European Commission

ISSN 1977-4559

EU energy in figures

STATISTICAL POCKETBOOK **2015**

Energy

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

Freephone number (*):

00800 67 89 10 11

(*) The information given is free, as are most calls (though some operators, phone boxes or hotels may charge you).

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

Print ISBN 978-92-79-48359-2 ISSN 1977-4559 doi:10.2833/105662 MJ-AB-15-001-EN-C
Epub ISBN 978-92-79-48360-8 ISSN 2363-247X doi:10.2833/467316 MJ-AB-15-001-EN-E
PDF ISBN 978-92-79-48358-5 ISSN 2363-247X doi:10.2833/77358 MJ-AB-15-001-EN-N

Luxembourg: Publications Office of the European Union, 2015

Printed in Belgium

Printed on elemental chlorine-free bleached paper (ECF)

Introduction

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

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.

The data contained in this pocketbook is drawn from several sources: from the European Commission's services; from international organisations such as the European Environment Agency and the International Energy Agency and also from the European Commission's estimates when other data is unavailable.

The publication is divided into five parts:

Part 1. Energy overview at global and EU levels.
Part 2. Main energy indicators, at EU and Member States levels.
Part 3. Socio-economic indicators in the EU.
Part 4. Impact of the energy sector on the environment.
Part 5. Country profiles – Main energy indicators.

Indicators have been calculated using the methodology established by the European Commission – DG Energy. The appendices include a glossary and methodological notes.

This publication was produced using the most recently available data. Corrections and updates will be published at:
http://ec.europa.eu/energy/en/statistics/country

Recommended sources of data:

European Commission websites:

DG Energy
Pocketbook: http://ec.europa.eu/energy/en/statistics/energy-statistical-pocketbook
Country statistics: http://ec.europa.eu/energy/en/statistics/country
Energy statistics data: http://ec.europa.eu/energy/en/statistics

Eurostat
Eurostat Database: http://ec.europa.eu/eurostat/data/database

DG Economic and Financial Affairs
AMECO: http://ec.europa.eu/economy_finance/db_indicators/ameco/index_en.htm

DG Climate Action
Climate strategies, targets and progress reports:
http://ec.europa.eu/clima/policies/strategies/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

Please send your comments on this publication and suggestions for improvement to ener-emos@ec.europa.eu, with the word 'Pocketbook' in the subject line.

Summary

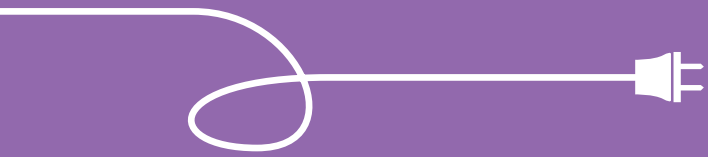
PART 1 Overview

PART 2 Energy in the EU

Appendices

Overview

PART 1



Summary

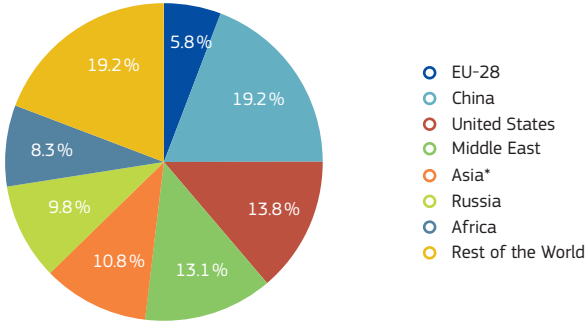
1.1 Energy in the World (Overview)

1.1.1 World Energy Production by Region

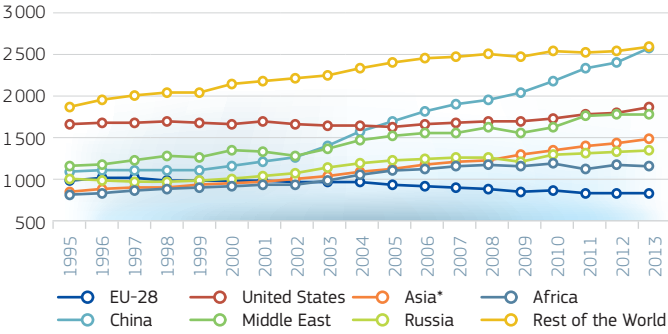
(Mtoe)

	1995	2000	2005	2010	2013	2013 (%)
EU-28	965	949	905	836	793	5.8%
China	1065	1129	1701	2204	2614	19.2%
United States	1659	1667	1631	1723	1881	13.8%
Middle East	1138	1327	1516	1629	1791	13.1%
Asia*	816	924	1107	1343	1473	10.8%
Russia	968	978	1203	1279	1340	9.8%
Africa	772	884	1083	1171	1129	8.3%
Rest of the World	1875	2170	2422	2566	2620	19.2%
World	9256	10027	11570	12752	13642	100.0%

TOTAL 2013: 13642 Mtoe



Mtoe



* Excluding China.

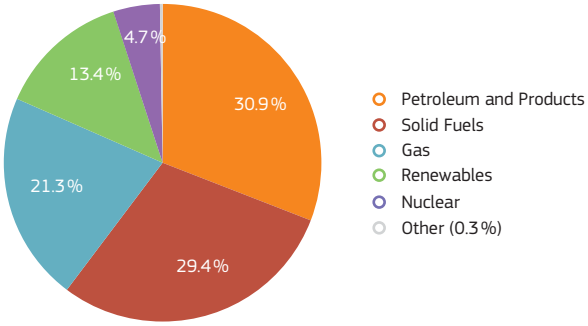
Source: IEA, August 2015
Methodology and Notes: **See Appendix 13 – No 1**

1.1.2 World Energy Production by Fuel

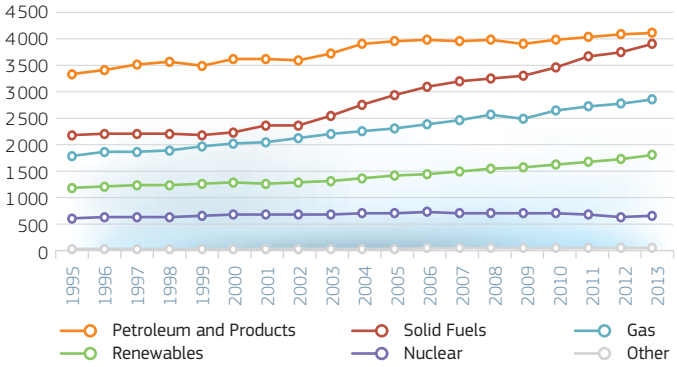
(Mtoe)

	1995	2000	2005	2010	2013	2013 (%)
Petroleum and Products	3395	3703	4046	4077	4216	30.9%
Solid Fuels	2220	2279	2989	3546	4006	29.4%
Gas	1812	2060	2363	2715	2909	21.3%
Renewables	1206	1289	1428	1663	1828	13.4%
Nuclear	608	676	722	719	646	4.7%
Other	17	21	22	32	37	0.3%
Total	9256	10027	11570	12752	13642	100.0%

TOTAL 2013: 13642 Mtoe



Mtoe



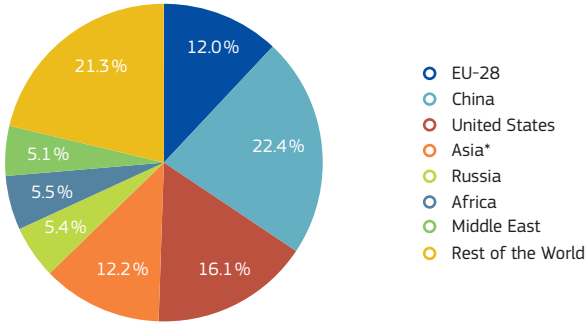
Source: IEA, August 2015
Methodology and Notes: See Appendix 13 – No 1

1.1.3 World Gross Inland Consumption by Region

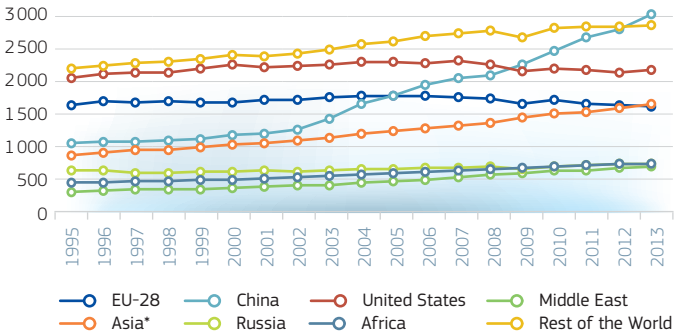
(Mtoe)

	1995	2000	2005	2010	2013	2013 (%)
EU-28	1645	1692	1787	1721	1626	12.0%
China	1055	1174	1788	2483	3036	22.4%
United States	2067	2273	2319	2215	2188	16.1%
Asia*	868	1039	1239	1523	1655	12.2%
Russia	637	619	652	690	731	5.4%
Africa	442	494	596	691	747	5.5%
Middle East	307	356	471	628	689	5.1%
Rest of the World	2199	2408	2629	2838	2883	21.3%
World	9219	10057	11481	12789	13555	100.0%

TOTAL 2013: 13555 Mtoe



Mtoe



* Excluding China.

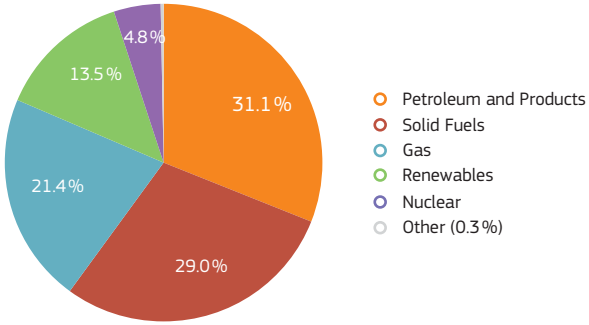
Source: IEA, August 2015
Methodology and Notes: **See Appendix 13 – No 1**

1.1.4 World Gross Inland Consumption by Fuel

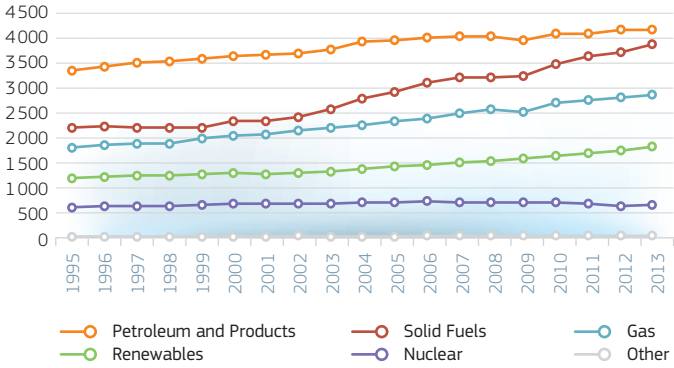
(Mtoe)

	1995	2000	2005	2010	2013	2013 (%)
Petroleum and Products	3372	3660	4007	4131	4210	31.1%
Solid Fuels	2208	2343	2950	3506	3928	29.0%
Gas	1807	2067	2352	2736	2902	21.4%
Renewables	1207	1290	1428	1664	1829	13.5%
Hydro*	213	225	252	296	326	2.4%
Geothermal*	39	52	54	65	66	0.5%
Solar/Wind/Other*	3	8	17	48	95	0.7%
Biofuels and Waste*	967	1025	1127	1287	1377	10.2%
Nuclear	608	676	722	719	646	4.8%
Other	17	22	22	33	40	0.3%
Total	9219	10057	11481	12789	13555	100.0%

TOTAL 2013: 13555 Mtoe



Mtoe



* Partial disaggregation of the Renewables group. Waste also includes non-RES wastes.

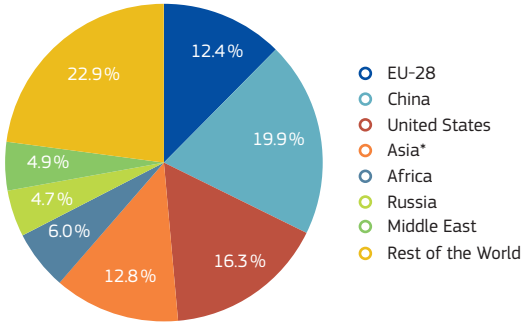
Source: IEA, August 2015
Methodology and Notes: **See Appendix 13 – No 1**

1.1.5 World Final Energy Consumption by Region

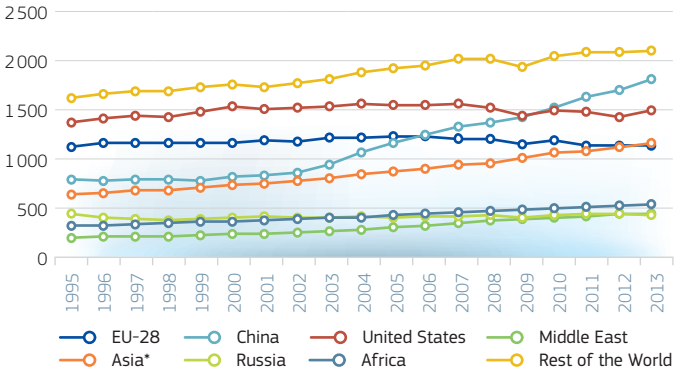
(Mtoe)

	1995	2000	2005	2010	2013	2013 (%)
EU-28	1127	1176	1235	1203	1139	12.4%
China	797	825	1171	1534	1823	19.9%
United States	1378	1546	1561	1501	1495	16.3%
Asia*	643	746	878	1067	1174	12.8%
Africa	325	370	436	508	555	6.0%
Russia	458	418	412	446	434	4.7%
Middle East	202	243	315	415	452	4.9%
Rest of the World	1623	1761	1920	2048	2101	22.9%
World	6554	7085	7928	8723	9173	100.0%

TOTAL 2013: 9173 Mtoe



Mtoe



* Excluding China.

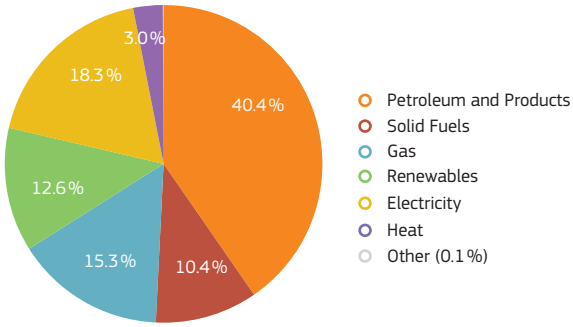
Source: IEA, August 2015
Methodology and Notes: **See Appendix 13 – No 1**

1.1.6 World Final Energy Consumption by Fuel

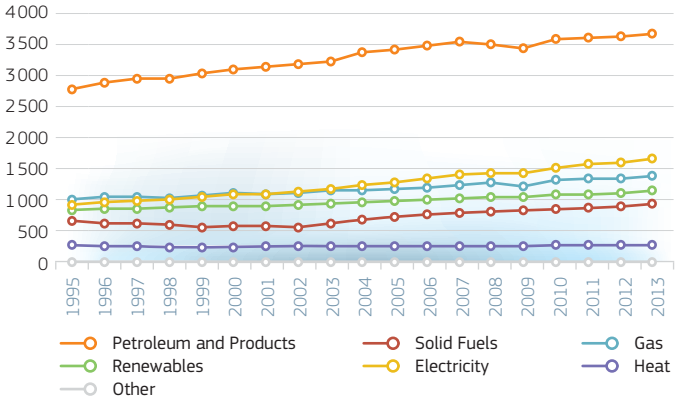
(Mtoe)

	1995	2000	2005	2010	2013	2013 (%)
Petroleum and Products	2805	3127	3455	3617	3704	40.4 %
Solid Fuels	673	578	739	868	954	10.4 %
Gas	1008	1121	1188	1328	1400	15.3 %
Renewables	844	913	981	1093	1156	12.6 %
Electricity	935	1091	1300	1537	1677	18.3 %
Heat	286	247	259	272	274	3.0 %
Other	3	7	5	8	8	0.1 %
Total	6554	7085	7928	8723	9173	100.0 %

TOTAL 2013: 9173 Mtoe



Mtoe



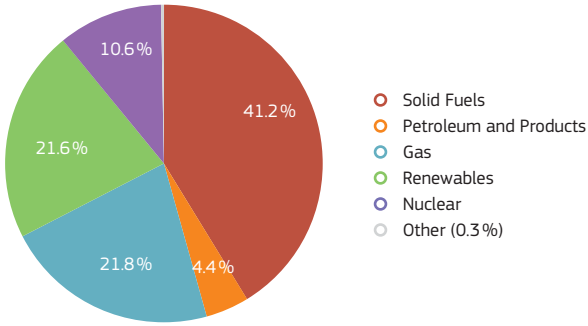
Source: IEA, August 2015
Methodology and Notes: See Appendix 13 – No 1

1.1.7 World Electricity Generation by Fuel

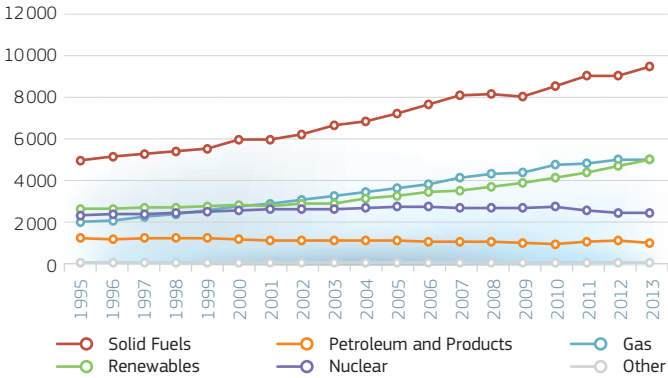
(TWh)

	1995	2000	2005	2010	2013	2013 (%)
Solid Fuels	4990	6002	7319	8666	9613	41.2%
Petroleum and Products	1231	1205	1146	959	1028	4.4%
Gas	2027	2752	3700	4807	5075	21.8%
Renewables	2639	2840	3299	4213	5046	21.6%
Hydro*	2480	2620	2932	3441	3790	16.3%
Solar/Wind/Other*	10	35	119	381	789	3.4%
Biofuels and Waste*	133	170	237	380	461	2.0%
Geothermal*	40	52	58	68	72	0.3%
Nuclear	2332	2591	2768	2756	2478	10.6%
Other	25	37	49	60	68	0.3%
Total	13244	15426	18282	21460	23307	100.0%

TOTAL 2013: 23307 TWh



TWh



* Partial disaggregation of the Renewables group. Waste also includes non-RES wastes.

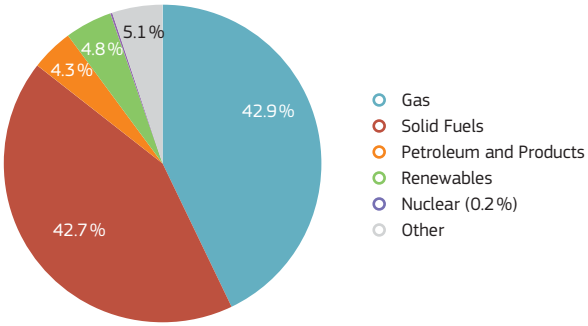
Source: IEA, August 2015
Methodology and Notes: **See Appendix 13 – No 1**

1.1.8 World Heat Generation by Fuel

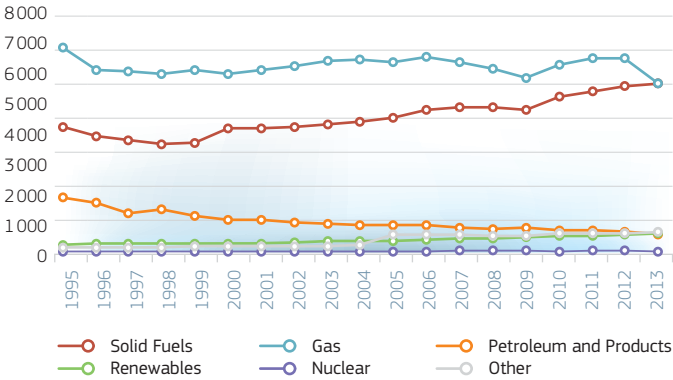
(PJ)

	1995	2000	2005	2010	2013	2013 (%)
Gas	7168	6249	6684	6580	5936	42.9%
Solid Fuels	4367	4332	4733	5463	5911	42.7%
Petroleum and Products	1905	1125	924	771	594	4.3%
Renewables	254	296	396	583	665	4.8%
Geothermal*	17	18	24	26	31	0.2%
Solar/Wind/Other*	9	12	386	345	344	2.5%
Biofuels and Waste*	345	415	531	780	893	6.4%
Nuclear	20	19	21	27	28	0.2%
Other	162	203	600	634	711	5.1%
Total	13877	12224	13356	14059	13845	100.0%

TOTAL 2013: 13845 PJ



PJ



* Partial disaggregation of the Renewables group. Waste also includes non-RES wastes.

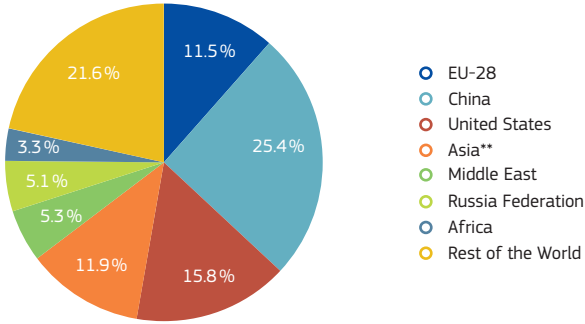
Source: IEA, August 2015
Methodology and Notes: See Appendix 13 – No 1

1.1.9 World CO_2 Emissions* by Region

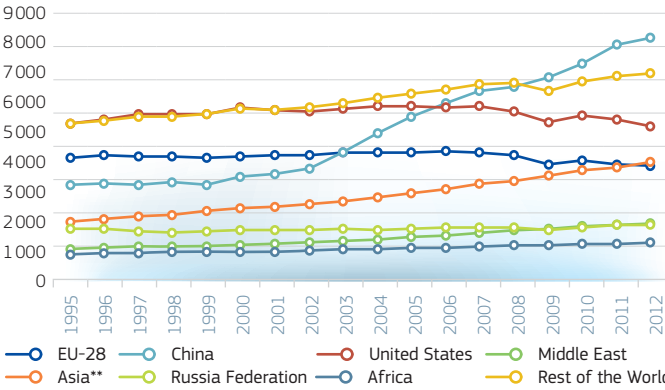
(Mio ton CO_2)

	1995	2000	2005	2010	2012	2012 (%)
EU-28	4063	4100	4276	3964	3780	11.5%
China	3085	3382	5503	7394	8342	25.4%
United States	5275	5844	5923	5574	5186	15.8%
Asia**	1793	2257	2789	3620	3915	11.9%
Middle East	835	970	1247	1624	1753	5.3%
Russian Federation	1573	1510	1527	1603	1684	5.1%
Africa	637	725	871	1027	1078	3.3%
Rest of the World	5291	5807	6343	6788	7075	21.6%
World	22551	24596	28479	31593	32814	100.0%

TOTAL 2012: 32814 Mio ton CO_2



Mio ton CO_2



* Sectoral Approach, Including Bunkers.
** Excluding China.

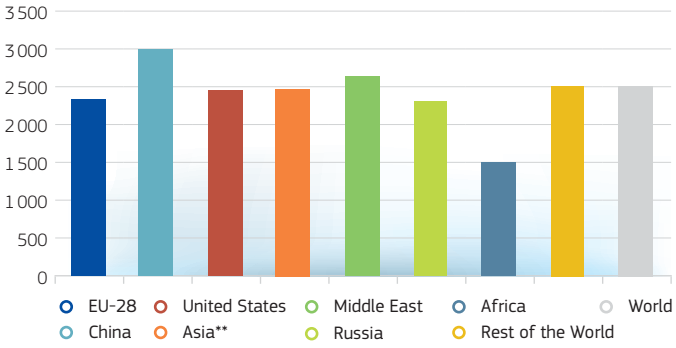
Source: IEA, August 2015
Methodology and Notes: **See Appendix 13 – No 1**

1.1.10 World CO_2 Intensity* by Region

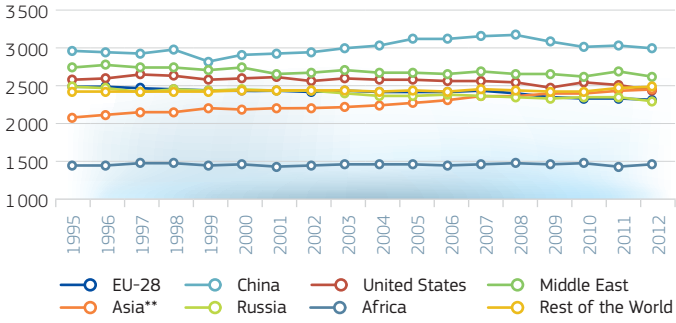
(Kg CO_2 per toe – AVERAGE)

	1995	2000	2005	2010	2012
EU-28	2470	2423	2392	2303	2296
China	2924	2880	3078	2978	2956
United States	2552	2571	2555	2516	2424
Asia**	2066	2173	2252	2377	2437
Middle East	2721	2723	2644	2587	2588
Russia	2470	2438	2343	2325	2273
Africa	1441	1467	1460	1485	1469
Rest of the World	2406	2411	2413	2392	2473
World	2446	2446	2481	2470	2481

AVERAGE 2012: 2473 Kg CO_2 per toe



Kg CO_2 per toe

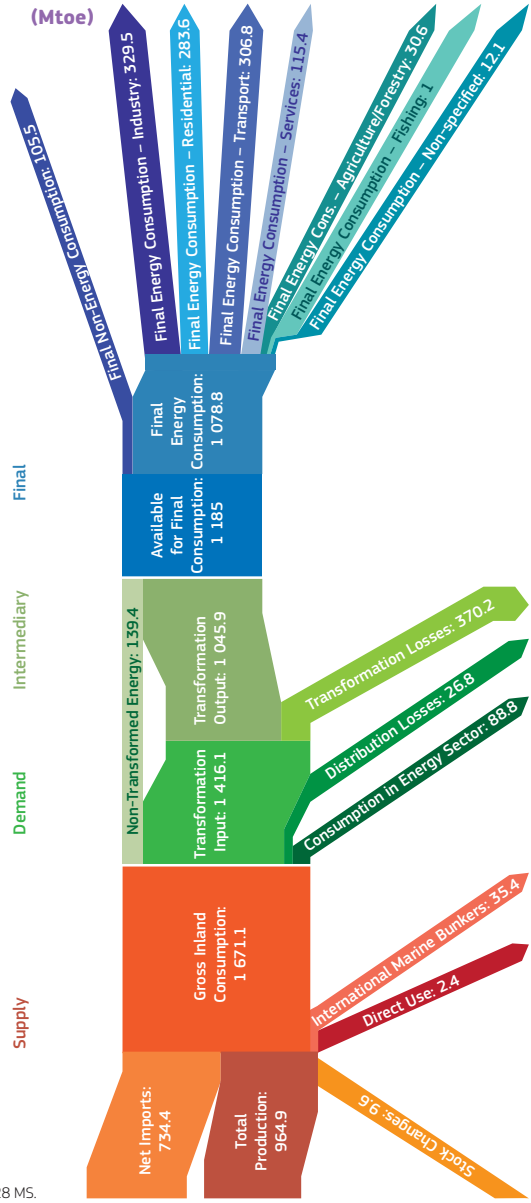


* Per Unit of Gross Inland Consumption.
** Excluding China.

Source: IEA, August 2015
Methodology and Notes: See Appendix 13 – No 1

1.2 Energy in the EU (Overview)

1.2.1 EU* Energy Flow – 1995

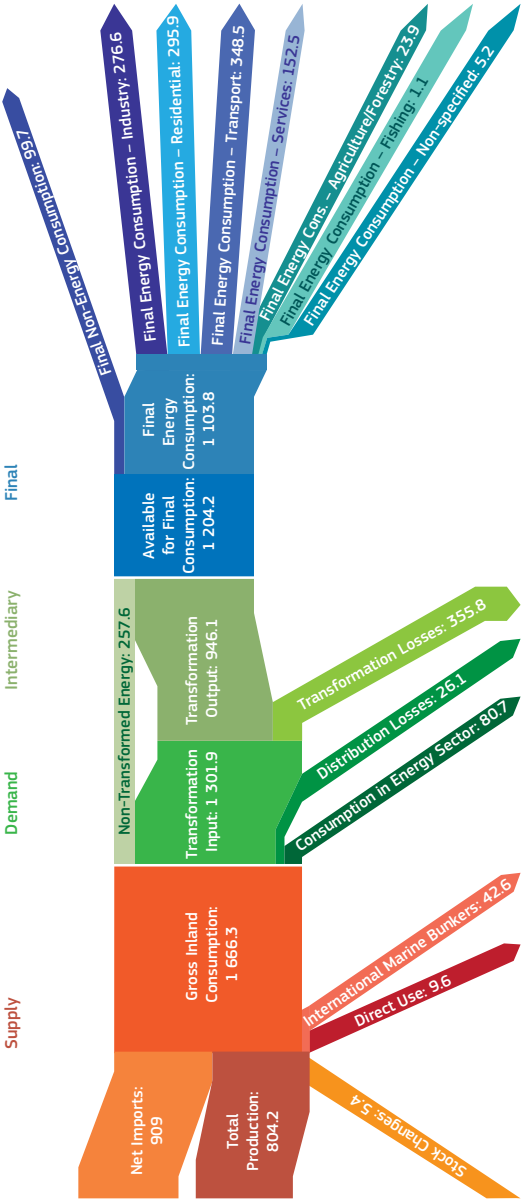


* Current 28 MS.

Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 1**

1.2.2 EU Energy Flow – 2013

(Mtoe)

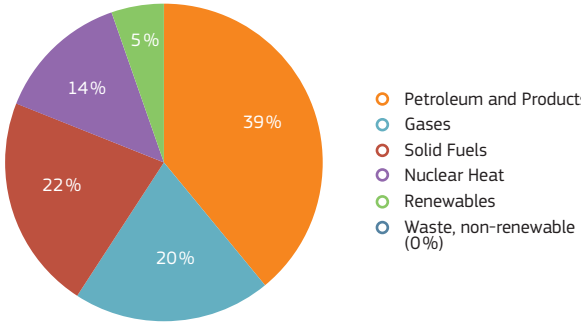


Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 1

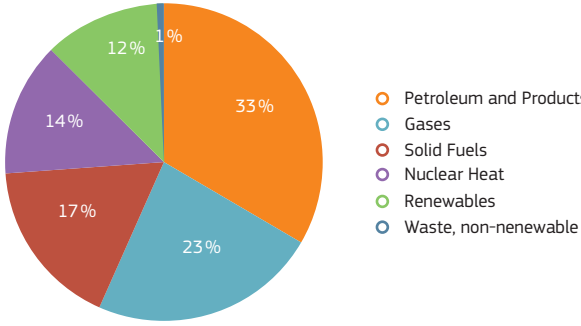
1.2.3 EU-28 Gross Inland Consumption

ENERGY MIX (%) – PRIMARY PRODUCTS ONLY

TOTAL PRIMARY 1995: 1 669 Mtoe
(Total Primary and Secondary 1995: 1 671 Mtoe)

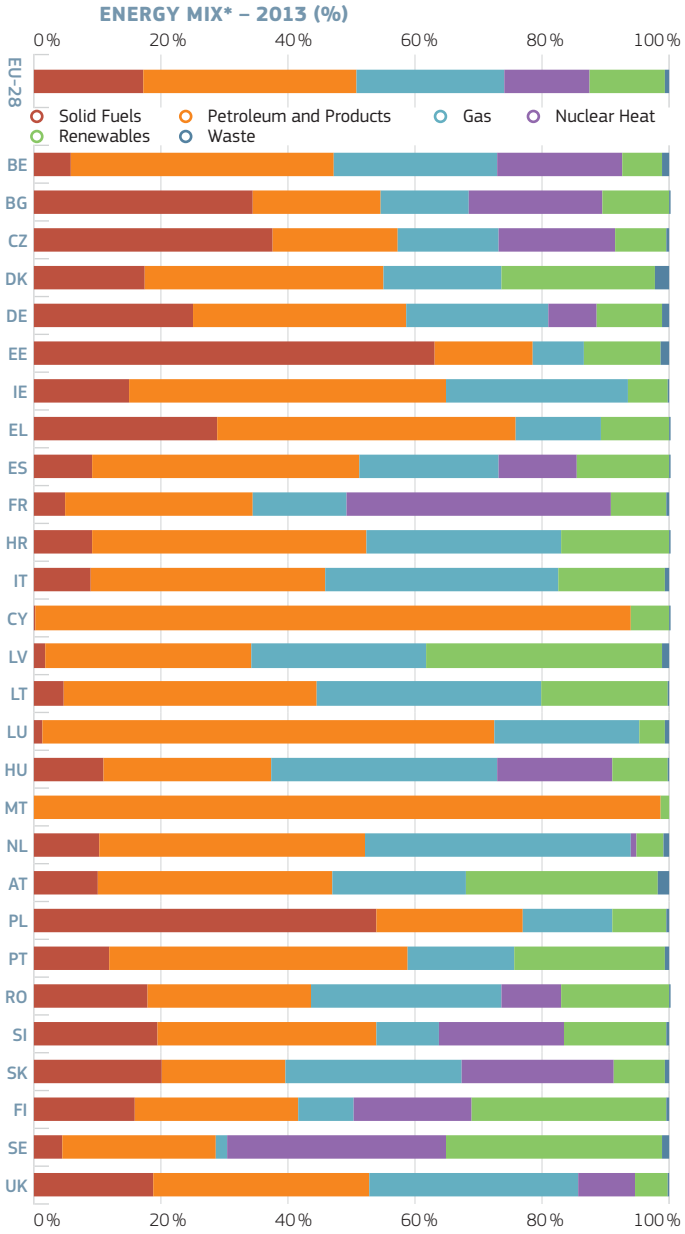


TOTAL PRIMARY 2013: 1 665 Mtoe
(Total Primary and Secondary 2013: 1 666 Mtoe)



Source: Eurostat, June 2015
Methodology and Notes: **See Appendix 13 – No 1**

1.2.3 EU-28 Gross Inland Consumption



* Primary Products Only.

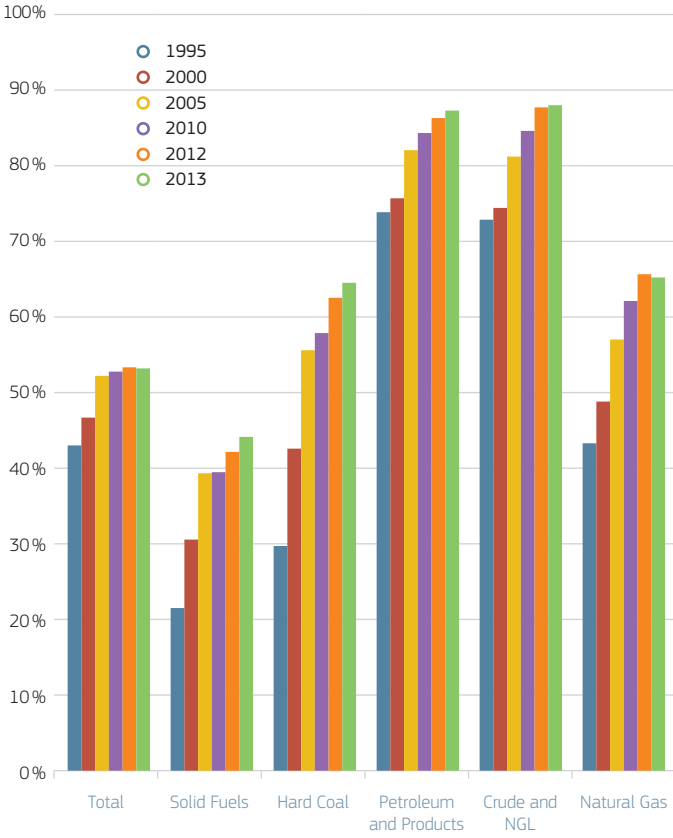
Source: Eurostat, June 2015
Methodology and Notes: See Appendix 13 – No 1

1.2.4 EU-28 Energy Import Dependency

BY FUEL – (%)

	1995	2000	2005	2010	2012	2013
Total	43.0	46.7	52.2	52.8	53.3	53.2
Solid Fuels	21.5	30.6	39.4	39.5	42.2	44.2
of which Hard Coal	29.7	42.6	55.7	57.9	62.6	64.6
Petroleum and Products	74.0	75.8	82.2	84.4	86.4	87.4
of which Crude and NGL	73.0	74.5	81.3	84.7	87.9	88.1
Natural Gas	43.4	48.9	57.1	62.2	65.8	65.3

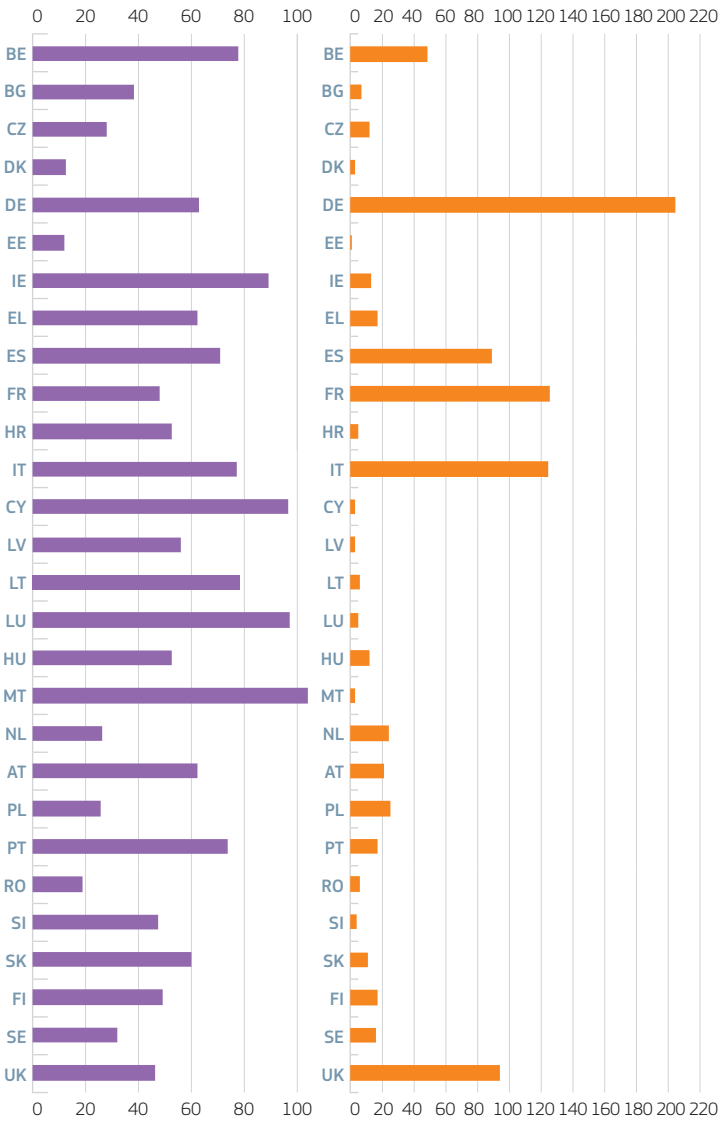
1995-2013 (%)



Source: Eurostat, June 2015
Methodology and Notes: **See Appendix 13 – No 1**

1.2.5 EU-28 Energy Import Dependency – Net Imports

2013

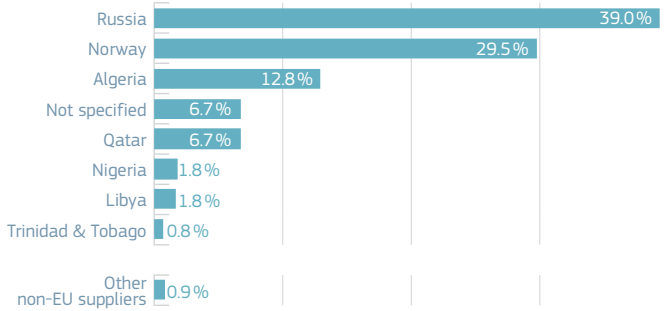


Source: Eurostat, June 2015
Methodology and Notes: See Appendix 13 – No 1

1.2.6 EU Imports by Country of Origin

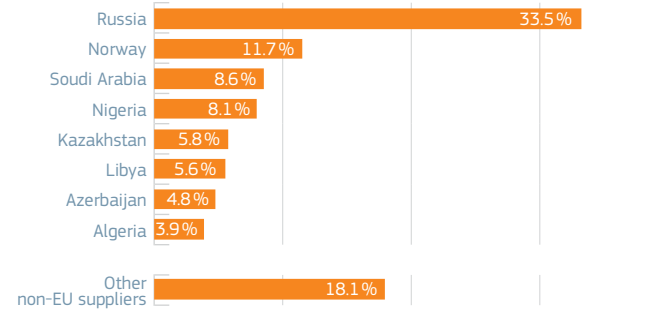
EU-28 IMPORTS* OF NATURAL GAS – 2013

Total = 12 408 433 TJ-GCV



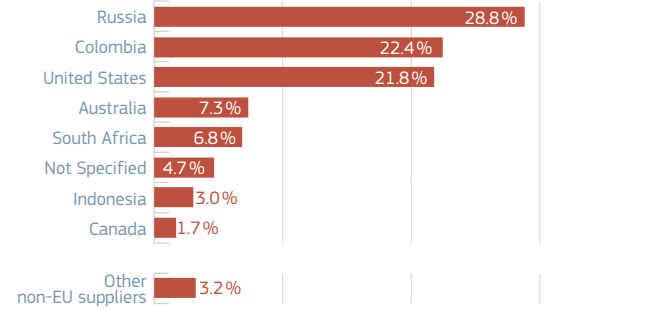
EU-28 IMPORTS* OF CRUDE OIL – 2013

Total = 498 838 kton



EU-28 IMPORTS* OF SOLID FUELS – 2013

Total = 236 977 kton



* From non-EU suppliers.

Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 1**

1.3 EU 2020 Targets

1.3.1 Renewable Energy*

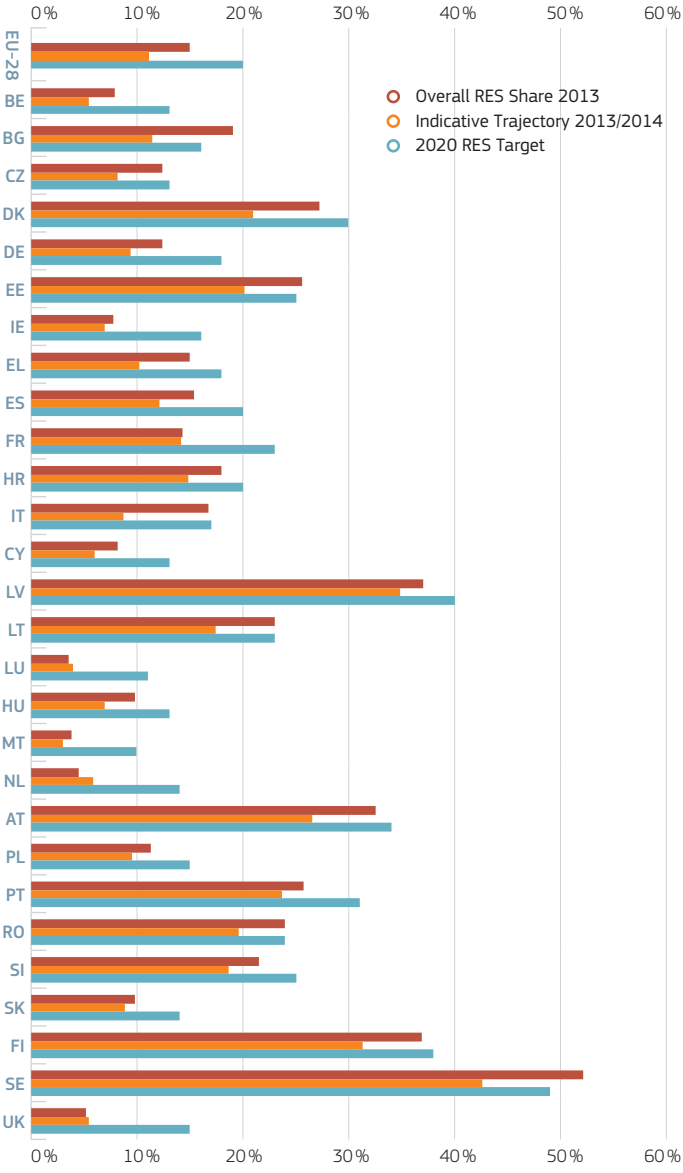
%	2013 Renewable Energy Shares				Indicative Trajectory 2013/2014	2020 RES Target
	RES in Transport	RES Electricity	RES Heating and Cooling	Overall RES Share		
EU-28	5.4	25.4	16.5	15.0	11.9	20.0
BE	4.3	12.3	8.1	7.9	5.4	13.0
BG	5.6	18.9	29.2	19.0	11.4	16.0
CZ	5.7	12.8	15.3	12.4	8.2	13.0
DK	5.7	43.1	34.8	27.2	20.9	30.0
DE	6.3	25.6	10.6	12.4	9.5	18.0
EE	0.2	13.0	43.1	25.6	20.1	25.0
IE	5.0	20.9	5.7	7.8	7.0	16.0
EL	1.1	21.2	26.5	15.0	10.2	18.0
ES	0.4	36.4	14.9	15.4	12.1	20.0
FR	7.2	16.9	18.3	14.2	14.1	23.0
HR	2.1	38.7	18.1	18.0	14.8	20.0
IT	5.0	31.3	18.0	16.7	8.7	17.0
CY	1.1	6.6	21.7	8.1	5.9	13.0
LV	3.1	48.8	49.7	37.1	34.8	40.0
LT	4.6	13.1	37.7	23.0	17.4	23.0
LU	3.9	5.3	5.6	3.6	3.9	11.0
HU	5.3	6.6	13.5	9.8	6.9	13.0
MT	3.3	1.6	23.7	3.8	3.0	10.0
NL	5.0	10.1	3.6	4.5	5.9	14.0
AT	7.5	68.1	33.5	32.6	26.5	34.0
PL	6.0	10.7	13.9	11.3	9.5	15.0
PT	0.7	49.2	34.5	25.7	23.7	31.0
RO	4.6	37.5	26.2	23.9	19.7	24.0
SI	3.4	32.8	31.7	21.5	18.7	25.0
SK	5.3	20.8	7.5	9.8	8.9	14.0
FI	9.9	31.1	50.9	36.8	31.4	38.0
SE	16.7	61.8	67.2	52.1	42.6	49.0
UK	4.4	13.9	2.6	5.1	5.4	15.0

* In % of the Gross Final Energy Consumption.

Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 1

1.3.1 Renewable Energy *

OVERALL RENEWABLE ENERGY SHARE 2013 (%)

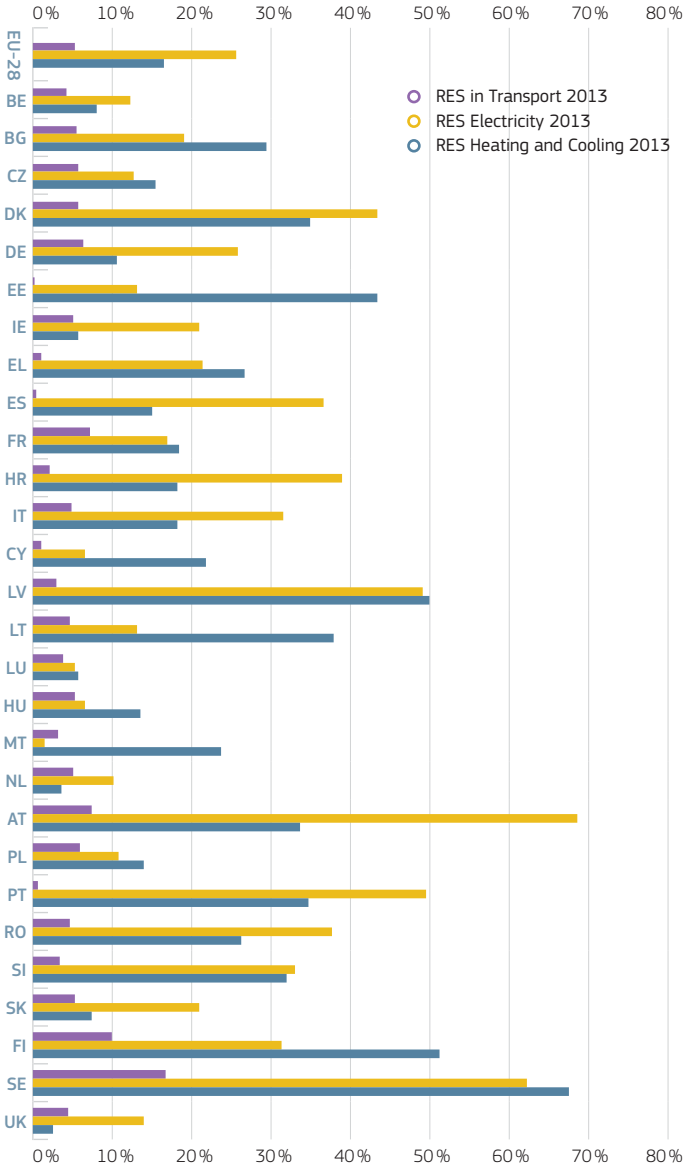


* In Gross Final Energy Consumption.

Source: Eurostat, April 2015
Methodology and Notes: **See Appendix 13 – No 1**

1.3.2 Renewable Energy Shares*

RES SHARES IN HEATING AND COOLING, ELECTRICITY, AND TRANSPORT – 2013 (%)



* In Gross Final Energy Consumption.

Source: Eurostat, April 2015
Methodology and Notes: See Appendix 13 – No 1

1.3.3 GHG Emissions *

EMISSIONS COMPARED TO 1990

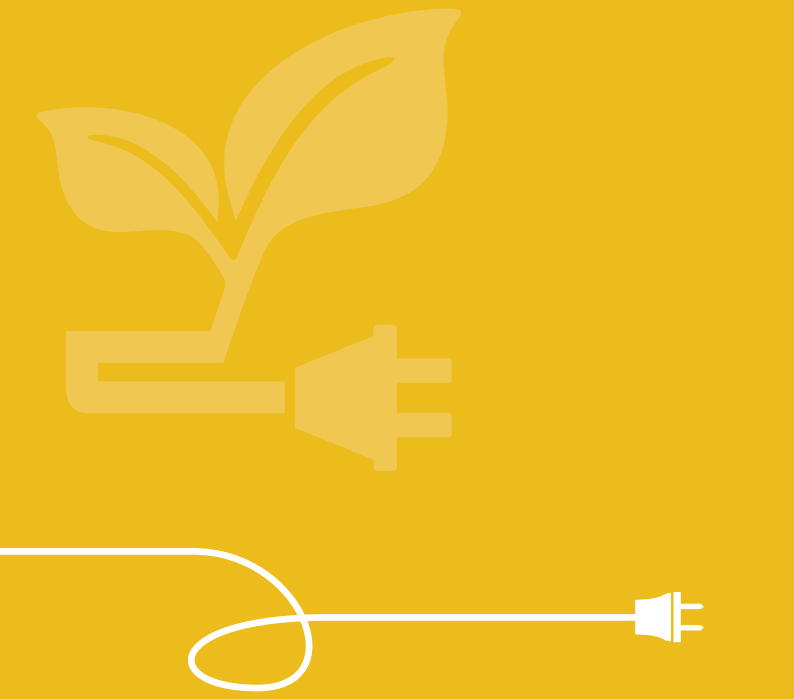
Index 100=1990	1990	1995	2000	2005	2010	2011	2012
EU-28	100	93.5	91.8	93.2	85.7	83.1	82.1
BE	100	104.9	103.1	100.4	93.0	85.1	82.6
BG	100	69.6	54.2	58.3	55.2	60.5	56.0
CZ	100	77.0	74.5	74.4	70.4	68.4	67.3
DK	100	110.7	100.2	94.4	90.3	83.4	76.9
DE	100	89.8	84.0	80.9	76.7	74.5	76.6
EE	100	49.4	42.3	45.8	49.5	51.8	47.4
IE	100	106.8	124.3	127.8	113.3	105.8	107.0
EL	100	104.5	120.3	128.3	111.5	109.6	105.7
ES	100	110.9	134.8	154.2	125.4	126.4	122.5
FR	100	99.5	101.5	101.6	93.9	88.9	89.5
HR	100	72.7	82.7	95.9	90.2	89.1	82.7
IT	100	102.4	106.9	111.6	97.5	95.3	89.7
CY	100	121.2	137.8	149.6	150.6	147.5	147.7
LV	100	47.7	38.2	42.5	46.7	44.7	42.9
LT	100	45.1	40.1	47.8	43.3	44.3	44.4
LU	100	80.8	80.7	108.3	101.9	100.2	97.5
HU	100	81.3	79.5	80.6	69.0	67.2	63.7
MT	100	122.8	130.2	147.4	149.7	151.3	156.9
NL	100	106.7	103.0	101.8	101.4	94.7	93.3
AT	100	102.6	103.6	120.0	110.2	107.6	104.0
PL	100	94.7	84.4	85.5	88.1	87.6	85.9
PT	100	117.3	138.2	144.7	118.6	116.5	114.9
RO	100	70.7	54.6	57.9	47.8	50.5	48.0
SI	100	100.5	102.7	110.2	105.8	105.9	102.6
SK	100	74.1	68.7	70.6	64.0	63.2	58.4
FI	100	100.5	98.5	98.0	106.7	96.6	88.1
SE	100	102.3	95.6	93.4	91.3	86.0	80.7
UK	100	93.1	89.9	88.6	79.9	74.8	77.5

* Emissions of the Kyoto basket of GHG.

Source: Eurostat, June 2015
Methodology and Notes: **See Appendix 13 – No 1**

Energy in the EU

PART 2



Summary

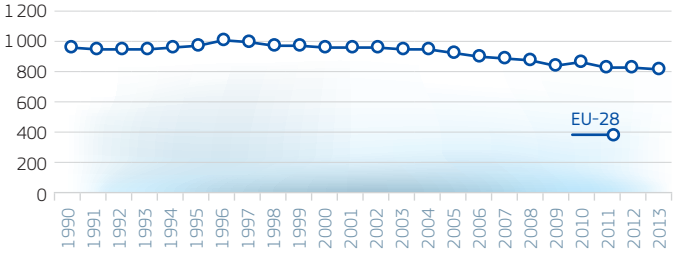
2.1 Energy Supply

2.1.1 Production*

ALL FUELS

Mtoe	1995	2000	2005	2010	2012	2013
EU-28	964.9	946.8	906.5	845.5	810.5	804.2
Index 1995	100 %	98 %	94 %	88 %	84 %	83 %
BE	11.83	13.61	13.72	15.99	14.61	15.29
BG	10.27	9.87	10.70	10.53	11.71	10.58
CZ	32.46	30.54	32.86	31.58	32.56	30.08
DK	16.26	28.77	30.78	22.92	18.64	16.64
DE	145.26	135.60	139.11	133.03	127.27	125.32
EE	3.89	3.55	4.39	5.60	5.83	6.37
IE	4.10	2.16	1.65	1.84	1.38	2.37
EL	9.36	10.01	10.33	9.46	10.44	9.33
ES	31.43	31.49	30.09	34.53	33.67	34.49
FR	127.36	130.14	136.34	135.50	134.18	135.94
HR	4.17	3.58	3.80	4.22	3.63	3.70
IT	29.83	28.49	27.84	29.56	35.05	36.87
CY	0.04	0.04	0.05	0.09	0.11	0.11
LV	1.43	1.47	1.87	1.98	2.34	2.14
LT	3.78	3.28	3.96	1.33	1.34	1.43
LU	0.05	0.06	0.11	0.12	0.13	0.14
HU	13.90	11.60	10.37	11.07	10.60	10.20
MT	0.00	0.00	0.00	0.00	0.01	0.01
NL	66.72	57.56	62.22	74.55	69.36	74.14
AT	8.76	9.78	10.01	12.11	12.86	12.10
PL	99.38	79.59	78.59	67.40	71.77	71.48
PT	3.39	3.89	3.62	5.80	4.85	5.77
RO	32.31	28.47	28.22	27.82	27.43	26.19
SI	2.96	3.09	3.49	3.70	3.54	3.55
SK	5.06	6.39	6.68	6.35	6.58	6.82
FI	13.13	15.16	16.95	18.00	17.76	18.69
SE	31.38	30.05	34.26	32.76	35.83	34.80
UK	256.46	268.55	204.44	147.63	117.04	109.62

PRODUCTION – ALL FUELS – 1990-2013 (Mtoe)



* Primary Production and Receipt, Production from Other Sources and Recycled Products.

Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.1.1 Production*

BY FUEL

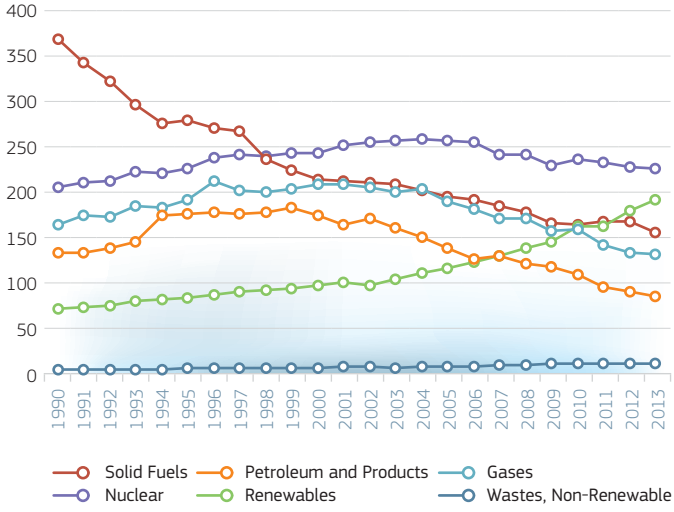
Mtoe	2013 Nuclear	Solid Fuels	Renewables	Gases	Petroleum and Products	Wastes, Non-Renewable
EU-28	226.3	156.5	192.0	132.0	85.5	11.9
Share (%)	28.1 %	19.5 %	23.9 %	16.4 %	10.6 %	1.5 %
BE	11.00	0.00	2.93	0.00	0.66	0.70
BG	3.67	4.79	1.83	0.22	0.06	0.01
CZ	7.96	17.77	3.64	0.21	0.29	0.22
DK	0.00	0.00	3.24	4.30	8.70	0.40
DE	25.10	45.06	33.68	8.87	8.52	4.11
EE	0.00	4.43	1.12	0.00	0.72	0.11
IE	0.00	1.29	0.77	0.15	0.10	0.06
EL	0.00	6.73	2.49	0.01	0.09	0.02
ES	14.63	1.76	17.38	0.05	0.52	0.15
FR	109.29	0.19	23.07	0.29	1.83	1.27
HR	0.00	0.00	1.50	1.51	0.68	0.01
IT	0.00	0.05	23.50	6.34	5.85	1.14
CY	0.00	0.00	0.11	0.00	0.00	0.00
LV	0.00	0.00	2.14	0.00	0.00	0.00
LT	0.00	0.02	1.29	0.00	0.11	0.02
LU	0.00	0.00	0.11	0.00	0.00	0.03
HU	3.98	1.61	2.07	1.54	0.94	0.05
MT	0.00	0.00	0.01	0.00	0.00	0.00
NL	0.75	0.00	4.29	61.95	6.50	0.65
AT	0.00	0.00	9.47	1.12	0.88	0.64
PL	0.00	57.14	8.51	3.83	1.56	0.45
PT	0.00	0.00	5.62	0.00	0.00	0.14
RO	3.00	4.66	5.56	8.60	4.33	0.04
SI	1.37	1.08	1.07	0.00	0.00	0.04
SK	4.11	0.58	1.47	0.10	0.43	0.13
FI	6.09	1.70	9.93	0.00	0.75	0.21
SE	17.14	0.19	16.77	0.01	0.11	0.59
UK	18.21	7.49	8.40	32.87	41.92	0.73

* Primary Production and Receipt, Production from Other Sources and Recycled Products.

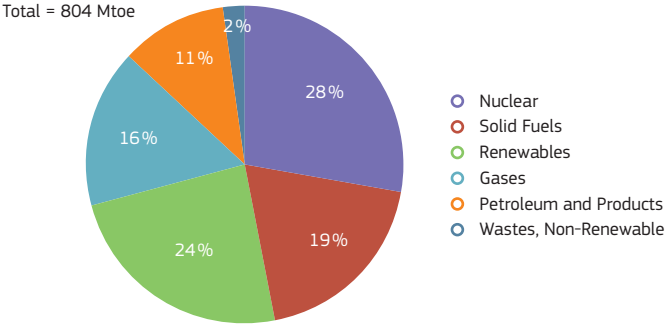
Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.1.1 Production*

BY FUEL – EU-28 – 1990-2013 (Mtoe)



PRODUCTION – BY FUEL – EU-28 – 2013 (% OF TOTAL)



* Primary Production and Receipt, Production from Other Sources and Recycled Products.

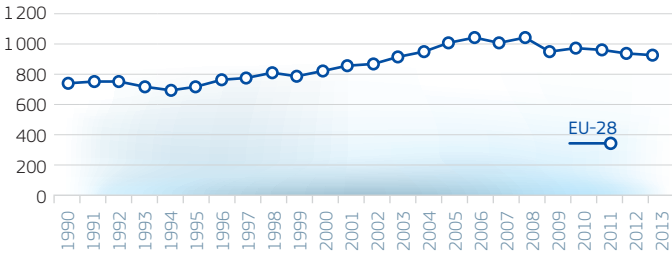
Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.1.2 Net Imports

ALL FUELS

Mtoe	1995	2000	2005	2010	2012	2013
EU-28	734.37	826.32	979.65	955.01	923.64	908.98
Index 1995	100 %	113 %	133 %	130 %	126 %	124 %
BE	46.75	50.50	53.40	53.75	46.27	48.75
BG	12.83	8.54	9.28	7.08	6.60	6.38
CZ	8.60	9.41	12.64	11.44	10.84	11.79
DK	7.27	-7.37	-10.13	-3.25	-0.55	2.30
DE	195.18	204.71	208.11	201.69	196.77	204.59
EE	1.81	1.63	1.50	0.87	1.11	0.85
IE	7.77	12.37	13.77	13.22	11.79	12.34
EL	18.29	22.15	23.50	21.71	19.87	16.43
ES	75.42	99.34	123.83	106.08	99.41	88.73
FR	117.06	134.08	144.10	132.15	125.17	125.09
HR	2.88	4.13	5.21	4.46	4.36	4.09
IT	134.50	152.07	160.24	149.80	133.81	124.72
CY	2.04	2.57	2.84	2.95	2.63	2.34
LV	3.36	2.36	3.10	2.22	2.69	2.63
LT	5.54	4.25	5.03	5.67	5.80	5.30
LU	3.25	3.64	4.67	4.50	4.35	4.20
HU	12.55	13.96	17.42	14.99	12.33	11.90
MT	0.84	1.46	1.63	2.36	2.19	2.14
NL	14.88	33.76	37.08	30.55	29.23	24.34
AT	17.98	18.97	24.52	21.58	21.48	21.04
PL	-1.16	8.77	15.93	31.57	30.06	25.34
PT	18.02	22.07	24.85	18.59	18.21	17.10
RO	14.03	7.99	10.84	7.83	8.02	6.02
SI	3.09	3.41	3.86	3.58	3.64	3.26
SK	12.14	12.00	12.43	11.23	10.00	10.28
FI	15.84	18.34	18.98	17.87	16.12	16.60
SE	20.43	20.44	19.46	19.29	14.75	16.02
UK	-36.83	-39.22	31.60	61.24	86.71	94.40

NET IMPORTS – ALL FUELS – 1990-2013 (Mtoe)



Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.1.2 Net Imports

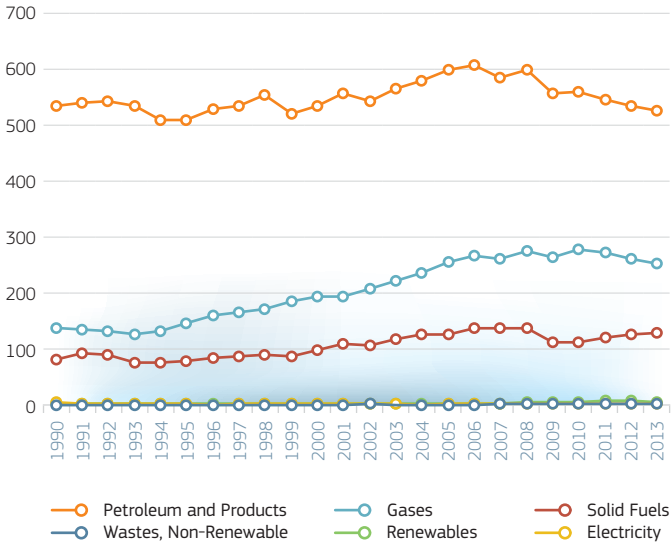
BY FUEL

Mtoe	2013 Net imports	Petroleum and Products	Gases	Solid Fuels	Renewables	Electricity
EU-28	909.0	523.6	252.6	126.6	4.9	1.1
Share (%)	100 %	58 %	28 %	14 %	1 %	0 %
BE	48.75	29.83	14.47	3.07	0.56	0.83
BG	6.38	3.72	2.23	0.97	-0.01	-0.53
CZ	11.79	8.26	6.96	-1.91	-0.08	-1.45
DK	2.30	-1.01	-0.77	2.85	1.14	0.09
DE	204.59	107.80	63.54	36.30	-0.28	-2.77
EE	0.85	0.90	0.56	-0.01	-0.29	-0.31
IE	12.34	6.90	3.71	1.47	0.09	0.18
EL	16.43	12.68	3.24	0.23	0.13	0.16
ES	88.73	55.96	25.72	7.57	0.06	-0.58
FR	125.09	79.36	38.01	11.63	0.25	-4.17
HR	4.09	2.47	0.73	0.74	-0.24	0.39
IT	124.72	54.15	50.56	13.46	2.93	3.62
CY	2.34	2.31	0.00	0.00	0.03	0.00
LV	2.63	1.65	1.39	0.06	-0.65	0.12
LT	5.30	2.34	2.17	0.28	-0.07	0.60
LU	4.20	2.79	0.89	0.05	0.05	0.43
HU	11.90	4.83	5.56	0.69	-0.19	1.02
MT	2.14	2.14	0.00	0.00	0.00	0.00
NL	24.34	43.32	-28.86	9.06	-0.89	1.57
AT	21.04	11.32	5.29	3.12	0.68	0.63
PL	25.34	20.99	10.18	-5.48	0.03	-0.39
PT	17.10	10.81	3.81	2.53	-0.32	0.24
RO	6.02	3.96	1.17	1.09	-0.02	-0.17
SI	3.26	2.35	0.69	0.26	0.06	-0.10
SK	10.28	2.96	4.60	2.78	-0.06	0.01
FI	16.60	9.05	2.86	3.35	-0.02	1.35
SE	16.02	13.78	0.96	1.83	0.31	-0.86
UK	94.40	27.98	32.92	30.56	1.70	1.24

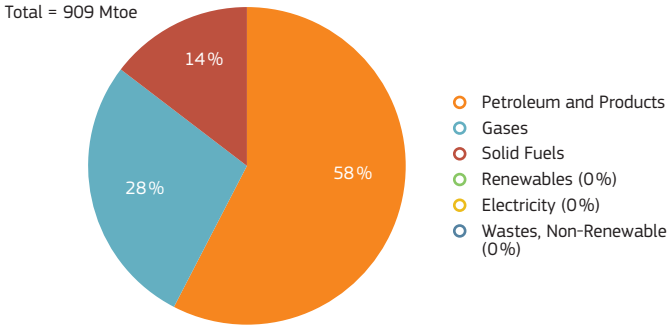
Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.1.2 Net Imports

BY FUEL – EU-28 – 1990-2013 (Mtoe)



NET IMPORTS – BY FUEL – EU-28 – 2013 (% TOTAL)



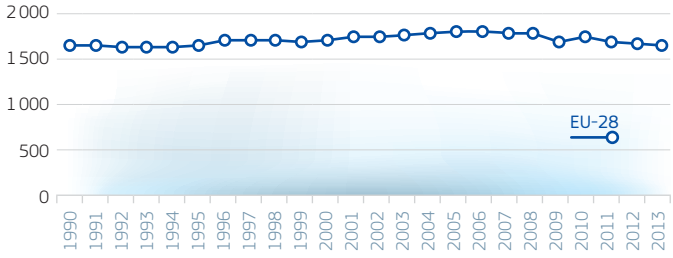
Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.1.3 Gross Inland Consumption

ALL FUELS

Mtoe	1995	2000	2005	2010	2012	2013
EU-28	1671.11	1726.84	1824.73	1760.61	1686.08	1666.32
Index 1995	100 %	103 %	109 %	105 %	101 %	100 %
BE	53.94	59.30	59.01	61.35	54.77	56.73
BG	22.69	18.52	19.75	17.77	18.23	16.76
CZ	41.71	41.09	45.12	44.68	42.82	42.19
DK	20.20	19.74	19.56	20.04	17.98	18.10
DE	341.64	342.33	341.91	332.97	318.62	324.27
EE	5.53	4.97	5.62	6.15	6.12	6.70
IE	11.06	14.43	15.27	15.19	13.80	13.74
EL	23.87	28.29	31.41	28.73	27.65	24.36
ES	102.08	123.64	144.22	130.00	127.84	118.78
FR	241.78	257.54	276.67	267.62	258.35	259.30
HR	7.07	7.79	8.89	8.56	8.12	7.83
IT	161.77	174.22	187.47	174.76	166.31	160.01
CY	1.97	2.41	2.54	2.74	2.52	2.19
LV	4.62	3.86	4.59	4.63	4.54	4.47
LT	8.64	7.06	8.71	6.79	7.10	6.69
LU	3.32	3.65	4.80	4.64	4.46	4.34
HU	26.18	25.30	27.61	25.81	23.55	22.74
MT	0.76	0.80	0.97	0.92	0.97	0.84
NL	72.67	75.57	81.47	86.61	81.78	81.17
AT	27.07	28.98	34.35	34.59	33.73	33.76
PL	98.83	88.65	92.23	100.73	97.75	98.16
PT	20.64	25.29	27.48	24.28	22.47	22.61
RO	46.31	36.65	39.21	35.80	35.37	32.35
SI	6.07	6.45	7.33	7.24	7.00	6.87
SK	17.72	18.30	19.03	17.86	16.70	17.26
FI	29.28	32.53	34.53	37.12	34.71	33.93
SE	51.47	48.90	50.99	50.78	49.81	49.13
UK	222.25	230.56	234.01	212.25	203.04	201.05

GROSS INLAND CONSUMPTION – ALL FUELS – 1990-2013 (Mtoe)



Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.1.3 Gross Inland Consumption

BY FUEL

Mtoe	2013						
	Petroleum and Products	Gases	Solid Fuels	Nuclear	Renewables	Waste, Non-Renewable	Electricity
EU-28	556.6	386.9	286.5	226.3	196.8	12.1	1.1
Share (%)	33.4 %	23.2 %	17.2 %	13.6 %	11.8 %	0.7 %	0.1 %
BE	23.09	14.40	3.22	11.00	3.49	0.70	0.83
BG	3.49	2.39	5.92	3.67	1.81	0.01	-0.53
CZ	8.58	6.95	16.38	7.96	3.57	0.22	-1.45
DK	6.75	3.33	3.14	0.00	4.38	0.40	0.09
DE	109.95	72.89	81.61	25.10	33.40	4.11	-2.77
EE	1.08	0.56	4.42	0.00	0.85	0.10	-0.31
IE	6.76	3.87	2.02	0.00	0.85	0.06	0.18
EL	11.34	3.24	6.98	0.00	2.62	0.02	0.16
ES	50.31	26.08	10.78	14.63	17.41	0.15	-0.58
FR	78.14	39.01	12.45	109.29	23.30	1.27	-4.17
HR	3.21	2.28	0.68	0.00	1.27	0.01	0.39
IT	57.50	57.39	13.99	0.00	26.37	1.14	3.62
CY	2.05	0.00	0.00	0.00	0.13	0.00	0.00
LV	1.41	1.21	0.07	0.00	1.61	0.05	0.12
LT	2.42	2.17	0.28	0.00	1.21	0.02	0.60
LU	2.78	0.89	0.05	0.00	0.16	0.03	0.43
HU	5.75	7.71	2.34	3.98	1.89	0.06	1.02
MT	0.83	0.00	0.00	0.00	0.01	0.00	0.00
NL	33.34	33.24	8.11	0.75	3.37	0.80	1.57
AT	12.17	7.01	3.33	0.00	9.99	0.64	0.63
PL	22.85	13.73	52.96	0.00	8.56	0.45	-0.39
PT	10.48	3.76	2.65	0.00	5.31	0.17	0.24
RO	8.38	9.79	5.76	3.00	5.55	0.04	-0.17
SI	2.40	0.69	1.35	1.37	1.13	0.04	-0.10
SK	3.34	4.81	3.45	4.11	1.41	0.13	0.01
FI	8.39	2.86	5.10	6.09	9.92	0.21	1.35
SE	12.00	0.96	2.22	17.14	17.08	0.59	-0.86
UK	67.83	65.68	37.26	18.21	10.10	0.73	1.24

Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.1.3 Gross Inland Consumption

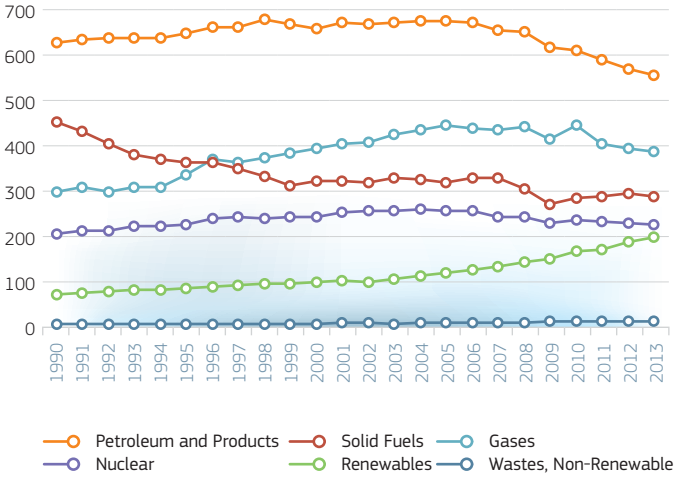
RENEWABLES

	2013						
Mtoe	Renewables	Biomass and Renewable Wastes	Hydro	Wind	Solar	Geothermal	Tide, Wave and Ocean
EU-28	196.8	128.1	31.9	20.2	10.6	5.9	0.0
Share (%)	11.8%	7.7%	1.9%	1.2%	0.6%	0.4%	0.0%
BE	3.49	2.90	0.03	0.31	0.25	0.00	0.00
BG	1.81	1.18	0.35	0.12	0.14	0.03	0.00
CZ	3.57	3.10	0.24	0.04	0.19	0.00	0.00
DK	4.38	3.35	0.00	0.96	0.07	0.01	0.00
DE	33.40	23.58	1.98	4.45	3.25	0.15	0.00
EE	0.85	0.80	0.00	0.05	0.00	0.00	0.00
IE	0.85	0.40	0.05	0.39	0.01	0.00	0.00
EL	2.62	1.20	0.55	0.36	0.50	0.01	0.00
ES	17.41	6.92	3.16	4.64	2.68	0.02	0.00
FR	23.30	15.12	6.06	1.38	0.49	0.23	0.04
HR	1.27	0.52	0.69	0.04	0.01	0.01	0.00
IT	26.37	13.51	4.54	1.28	2.02	5.02	0.00
CY	0.13	0.04	0.00	0.02	0.07	0.00	0.00
LV	1.61	1.35	0.25	0.01	0.00	0.00	0.00
LT	1.21	1.11	0.05	0.05	0.00	0.00	0.00
LU	0.16	0.13	0.01	0.01	0.01	0.00	0.00
HU	1.89	1.69	0.02	0.06	0.01	0.11	0.00
MT	0.01	0.01	0.00	0.00	0.01	0.00	0.00
NL	3.37	2.78	0.01	0.48	0.07	0.02	0.00
AT	9.99	5.85	3.61	0.27	0.23	0.04	0.00
PL	8.56	7.80	0.21	0.52	0.02	0.02	0.00
PT	5.31	2.81	1.18	1.03	0.11	0.18	0.00
RO	5.55	3.81	1.29	0.39	0.04	0.03	0.00
SI	1.13	0.67	0.40	0.00	0.03	0.04	0.00
SK	1.41	0.93	0.42	0.00	0.06	0.01	0.00
FI	9.92	8.75	1.10	0.07	0.00	0.00	0.00
SE	17.08	10.95	5.28	0.85	0.01	0.00	0.00
UK	10.10	6.89	0.40	2.45	0.37	0.00	0.00

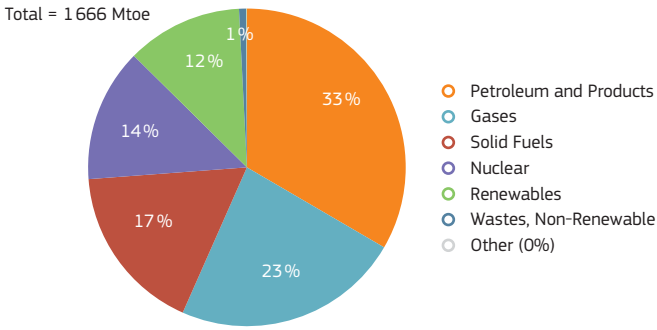
Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.1.3 Gross Inland Consumption

BY FUEL – EU-28 – 1990-2013 (Mtoe)



GROSS INLAND CONSUMPTION – BY FUEL – EU-28 – 2013 (% TOTAL)



Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

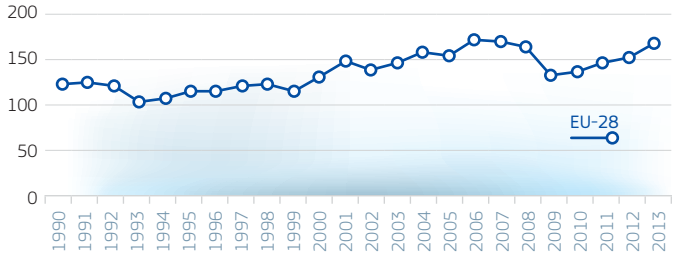
2.2 Imports

2.2.1 Imports – Solid Fuels

TOTAL

Mtoe	1995	2000	2005	2010	2012	2013
EU-28	116.2	131.7	153.5	136.5	150.9	165.3
Index 1995	100 %	113 %	132 %	117 %	130 %	142 %
BE	10.34	8.33	5.92	4.28	3.76	3.71
BG	2.42	2.38	2.57	1.75	1.55	1.01
CZ	1.84	1.04	1.35	2.23	1.84	2.00
DK	7.68	3.86	3.56	2.68	2.32	2.88
DE	12.26	22.20	26.57	32.55	33.27	37.43
EE	0.35	0.33	0.07	0.05	0.05	0.04
IE	1.90	1.70	1.91	0.96	1.34	1.48
EL	0.92	0.81	0.40	0.40	0.19	0.23
ES	8.67	13.35	14.83	7.85	12.96	8.08
FR	9.60	13.55	14.14	12.37	11.09	11.76
HR	0.15	0.49	0.62	0.70	0.56	0.75
IT	13.09	13.22	16.52	14.51	15.98	13.63
CY	0.01	0.03	0.04	0.01	0.00	0.00
LV	0.17	0.06	0.08	0.12	0.09	0.07
LT	0.16	0.08	0.18	0.22	0.24	0.31
LU	0.49	0.11	0.08	0.07	0.05	0.05
HU	1.65	1.21	1.45	1.41	1.27	1.12
MT	0.00	0.00	0.00	0.00	0.00	0.00
NL	11.52	14.06	13.02	12.82	14.98	28.06
AT	2.64	3.06	3.99	3.36	3.33	3.12
PL	1.08	1.02	2.15	8.27	6.13	6.46
PT	3.86	3.97	3.23	1.63	3.03	2.53
RO	3.07	1.93	2.96	1.28	1.27	1.09
SI	0.19	0.24	0.33	0.28	0.30	0.27
SK	4.18	3.47	3.90	3.22	3.20	2.87
FI	3.86	3.55	3.36	3.98	2.67	3.40
SE	2.80	2.43	2.58	2.57	1.73	1.85
UK	11.34	15.23	27.71	16.90	27.74	31.07

IMPORTS – SOLID FUELS – TOTAL – 1990-2013 (Mtoe)



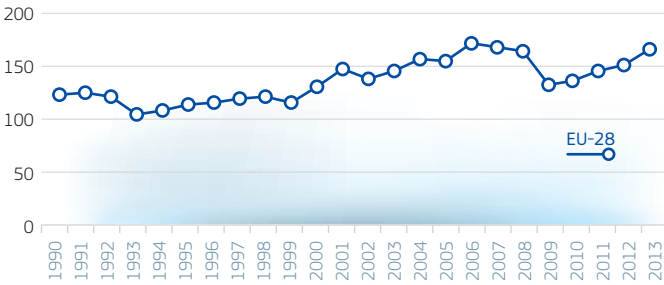
Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.2.1 Imports – Solid Fuels

HARD COAL

Mtoe	1995	2000	2005	2010	2012	2013
EU-28	105.8	120.7	144.1	127.4	143.9	157.1
Index 1995	100 %	114 %	136 %	120 %	136 %	148 %
BE	9.44	7.46	5.70	4.09	3.52	3.46
BG	2.35	2.25	2.49	1.70	1.51	0.96
CZ	1.63	0.63	0.76	1.29	1.11	1.27
DK	7.65	3.82	3.54	2.67	2.30	2.86
DE	9.50	17.39	23.93	29.33	30.93	34.92
EE	0.05	0.06	0.04	0.05	0.05	0.04
IE	1.87	1.68	1.88	0.95	1.33	1.46
EL	0.92	0.81	0.40	0.40	0.18	0.22
ES	8.09	13.25	14.74	7.71	12.84	7.96
FR	8.91	12.49	13.00	11.41	10.36	11.09
HR	0.07	0.44	0.57	0.66	0.52	0.71
IT	12.58	12.87	15.94	14.50	15.98	13.00
CY	0.01	0.03	0.04	0.01	0.00	0.00
LV	0.17	0.05	0.07	0.11	0.09	0.07
LT	0.16	0.07	0.16	0.18	0.19	0.25
LU	0.13	0.10	0.07	0.06	0.05	0.04
HU	1.23	1.12	1.30	1.40	1.26	1.11
MT	0.00	0.00	0.00	0.00	0.00	0.00
NL	11.00	13.63	12.69	12.54	14.77	27.93
AT	2.05	2.34	3.00	2.47	2.49	2.21
PL	1.05	1.01	2.05	8.16	5.98	6.27
PT	3.84	3.97	3.22	1.63	3.03	2.53
RO	3.01	1.65	2.42	0.52	0.76	0.56
SI	0.14	0.20	0.30	0.23	0.24	0.20
SK	3.10	3.15	3.48	2.57	2.80	2.58
FI	3.67	3.21	3.01	3.68	2.43	3.14
SE	2.37	2.14	2.22	2.29	1.56	1.74
UK	10.87	14.90	27.09	16.82	27.59	30.50

IMPORTS – SOLID FUELS – HARD COAL – 1990-2013 (Mtoe)



Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.2.1 Imports – Solid Fuels

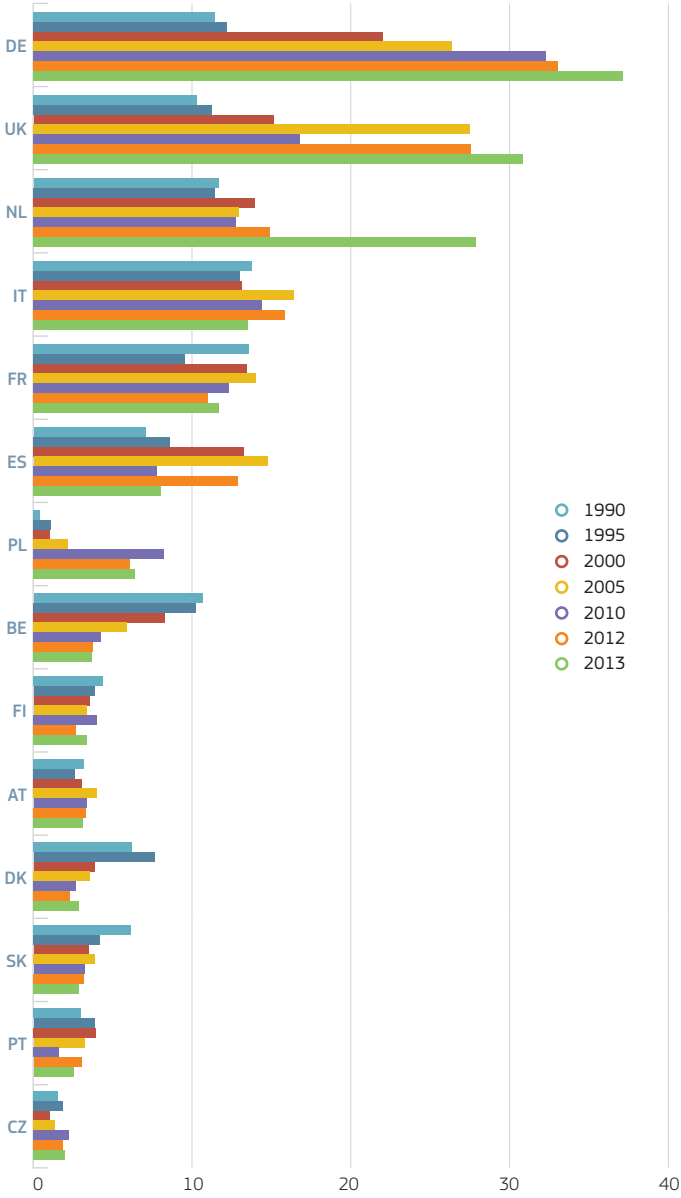
RANKING

Mtoe and %	1995			2013		
Top 10 Ranking	MS	Imports	EU-28 Share	MS	Imports	EU-28 Share
Solid Fuels						
1	IT	13.1	11.3%	DE	37.4	24.8%
2	DE	12.3	10.5%	UK	31.1	20.6%
3	NL	11.5	9.9%	NL	28.1	18.6%
4	UK	11.3	9.8%	IT	13.6	9.0%
5	BE	10.3	8.9%	FR	11.8	7.8%
6	FR	9.6	8.3%	ES	8.1	5.4%
7	ES	8.7	7.5%	PL	6.5	4.3%
8	DK	7.7	6.6%	BE	3.7	2.5%
9	SK	4.2	3.6%	FI	3.4	2.3%
10	PT	3.9	3.3%	AT	3.1	2.1%
Top 5 Total		58.5	50.4%		121.9	80.8%
Total		116.2	100.0%		150.9	100.0%
Of which: Hard Coal						
1	IT	12.6	11.9%	DE	34.9	24.3%
2	NL	11.0	10.4%	UK	30.5	21.2%
3	UK	10.9	10.3%	NL	27.9	19.4%
4	DE	9.5	9.0%	IT	13.0	9.0%
5	BE	9.4	8.9%	FR	11.1	7.7%
6	FR	8.9	8.4%	ES	8.0	5.5%
7	ES	8.1	7.6%	PL	6.3	4.4%
8	DK	7.6	7.2%	BE	3.5	2.4%
9	PT	3.8	3.6%	FI	3.1	2.2%
10	FI	3.7	3.5%	DK	2.9	2.0%
Top 5 Total		53.4	50.4%		117.4	81.6%
Total		105.8	100.0%		143.9	100.0%

Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.2.1 Imports – Solid Fuels

BY MEMBER STATE – TOP 14 IMPORTERS
1990-2013 (Mtoe)

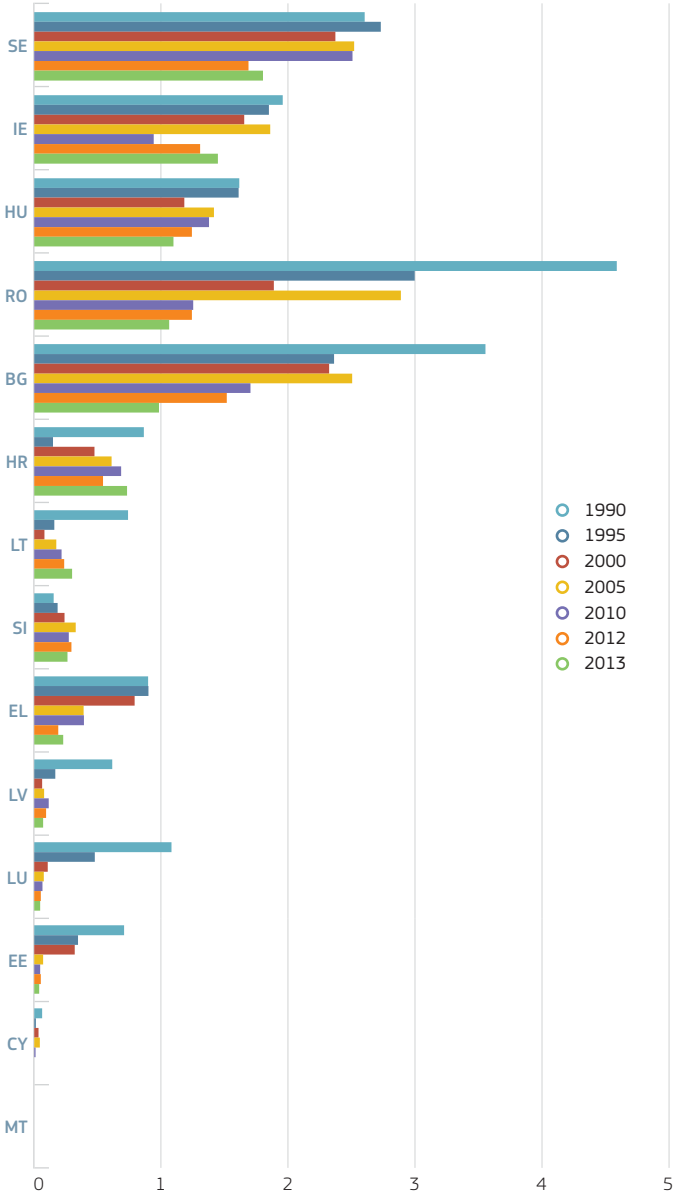


Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.2.1 Imports – Solid Fuels

BY MEMBER STATE – LEAST 14 IMPORTERS

1990-2013 (Mtoe)



Source: Eurostat, May 2015

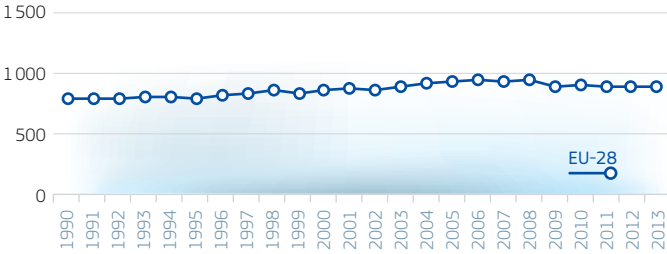
Methodology and Notes: See Appendix 13 – No 2

2.2.2 Imports – Petroleum and Products

TOTAL

Mtoe	1995	2000	2005	2010	2012	2013
EU-28	801.8	870.6	954.8	918.6	904.7	895.7
Index 1995	100 %	109 %	119 %	115 %	113 %	112 %
BE	44.80	53.06	58.48	56.62	54.47	56.90
BG	7.96	5.97	7.55	7.60	7.94	8.18
CZ	8.89	8.60	10.90	10.61	10.18	10.03
DK	10.32	9.88	8.69	9.38	9.96	12.32
DE	146.77	147.99	147.38	128.40	125.19	127.87
EE	1.17	0.93	1.16	1.16	2.26	1.68
IE	6.80	9.56	10.14	9.17	8.31	8.12
EL	21.43	23.81	26.44	27.04	28.28	26.99
ES	67.52	78.17	87.72	80.31	78.74	77.88
FR	102.35	114.09	122.89	106.18	101.40	98.66
HR	4.49	4.19	5.50	4.94	4.04	4.05
IT	106.72	109.37	108.86	97.92	86.63	79.04
CY	2.03	2.53	2.79	2.91	2.61	2.31
LV	2.14	1.35	2.28	1.94	2.18	2.35
LT	5.32	5.41	9.61	10.22	10.28	10.85
LU	1.78	2.39	3.16	2.86	2.85	2.80
HU	7.59	7.09	8.79	8.37	7.54	7.67
MT	0.84	1.46	1.63	2.38	2.19	2.29
NL	90.77	106.45	125.39	149.88	151.68	147.80
AT	11.04	12.31	15.38	13.71	13.47	13.80
PL	15.42	20.98	24.45	28.70	29.31	27.89
PT	17.96	17.48	19.55	15.30	14.45	16.42
RO	11.18	6.30	9.88	8.46	7.98	7.89
SI	2.35	2.69	2.85	3.28	3.49	3.31
SK	5.11	6.01	6.92	6.66	6.45	7.08
FI	12.48	15.52	15.75	16.06	16.66	18.24
SE	26.90	27.93	27.30	27.94	27.38	23.87
UK	59.68	69.14	83.33	80.59	88.79	89.41

IMPORTS – PETROLEUM AND PRODUCTS – TOTAL – 1990-2013 (Mtoe)



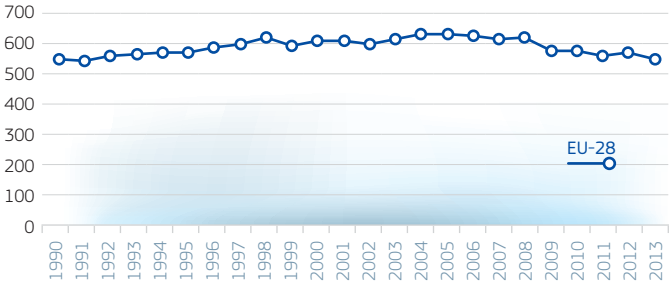
Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.2.2 Imports – Petroleum and Products

CRUDE AND NGL

Mtoe	1995	2000	2005	2010	2012	2013
EU-28	565.3	610.8	636.4	574.4	568.6	541.4
Index 1995	100 %	108 %	113 %	102 %	101 %	96 %
BE	26.34	34.19	31.88	33.28	31.54	28.03
BG	7.39	5.18	5.84	5.36	5.77	5.51
CZ	7.06	5.68	7.70	7.83	7.19	6.67
DK	5.43	3.77	2.71	2.69	3.72	4.68
DE	102.37	104.69	111.74	92.31	92.49	89.62
EE	0.00	0.00	0.00	0.00	0.00	0.00
IE	2.27	2.98	3.16	3.08	2.95	2.93
EL	15.51	19.60	18.92	20.39	21.29	19.58
ES	55.34	57.70	59.94	52.69	58.92	57.98
FR	78.65	86.84	85.36	65.14	57.46	56.59
HR	4.23	3.95	4.02	3.56	2.36	2.49
IT	73.82	83.27	89.91	79.64	70.02	59.42
CY	0.80	1.16	0.00	0.00	0.00	0.00
LV	0.00	0.00	0.00	0.00	0.00	0.00
LT	3.10	4.86	9.05	9.16	8.65	9.09
LU	0.00	0.00	0.00	0.00	0.00	0.00
HU	5.89	5.88	6.25	5.67	5.44	5.38
MT	0.00	0.00	0.00	0.00	0.00	0.00
NL	60.76	61.20	62.88	61.38	58.38	56.15
AT	7.57	7.29	7.86	6.69	7.54	7.86
PL	11.95	17.48	17.74	22.52	24.16	23.22
PT	13.04	11.63	13.46	11.39	11.25	12.49
RO	8.31	4.76	8.86	6.11	5.25	5.44
SI	0.49	0.13	0.00	0.00	0.00	0.00
SK	5.09	5.74	5.47	5.29	5.20	5.71
FI	8.51	11.74	10.57	11.21	11.86	12.09
SE	19.50	21.97	19.49	19.62	20.27	16.37
UK	41.91	49.11	53.56	49.38	56.96	54.08

IMPORTS – PETROLEUM AND PRODUCTS – CRUDE AND NGL – 1990-2013 (Mtoe)



Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.2.2 Imports – Petroleum and Products

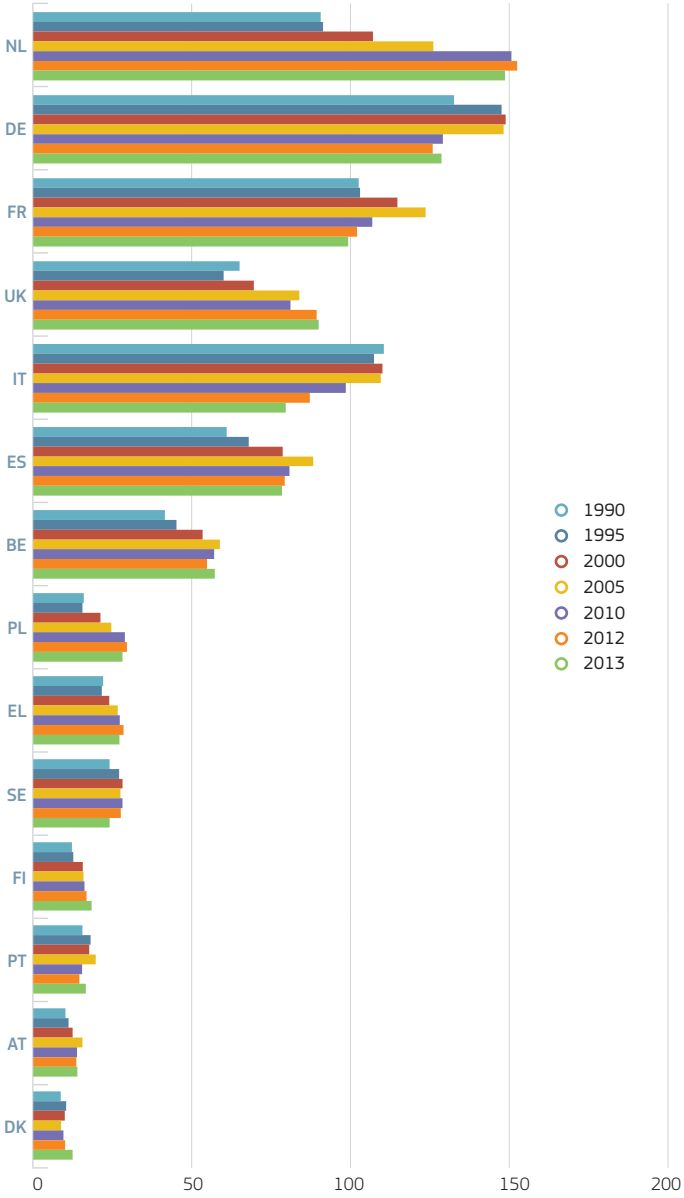
RANKING

Mtoe and %	1995			2013		
Top 10 Ranking	MS	Imports	EU-28 Share	MS	Imports	EU-28 Share
Petroleum and Products						
1	DE	146.8	18.3 %	NL	147.8	16.3 %
2	IT	106.7	13.3 %	DE	127.9	14.1 %
3	FR	102.3	12.8 %	FR	98.7	10.9 %
4	NL	90.8	11.3 %	UK	89.4	9.9 %
5	ES	67.5	8.4 %	IT	79.0	8.7 %
6	UK	59.7	7.4 %	ES	77.9	8.6 %
7	BE	44.8	5.6 %	BE	56.9	6.3 %
8	SE	26.9	3.4 %	PL	27.9	3.1 %
9	EL	21.4	2.7 %	EL	27.0	3.0 %
10	PT	18.0	2.2 %	SE	23.9	2.6 %
Top 5 Total		514.1	64.1 %		542.8	60.0 %
Total		801.8	100.0 %		904.7	100.0 %
Of which: Crude and NGL						
1	DE	102.4	18.1 %	DE	89.6	15.8 %
2	FR	78.7	13.9 %	IT	59.4	10.5 %
3	IT	73.8	13.1 %	ES	58.0	10.2 %
4	NL	60.8	10.7 %	NL	56.2	9.9 %
5	ES	55.3	9.8 %	FR	56.6	10.0 %
6	UK	41.9	7.4 %	UK	54.1	9.5 %
7	BE	26.3	4.7 %	BE	28.0	4.9 %
8	SE	19.5	3.4 %	PL	23.2	4.1 %
9	EL	15.5	2.7 %	EL	19.6	3.4 %
10	PT	13.0	2.3 %	SE	16.4	2.9 %
Top 5 Total		370.9	65.6 %		319.8	56.2 %
Total		565.3	100.0 %		568.6	100.0 %

Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.2.2 Imports – Petroleum and Products

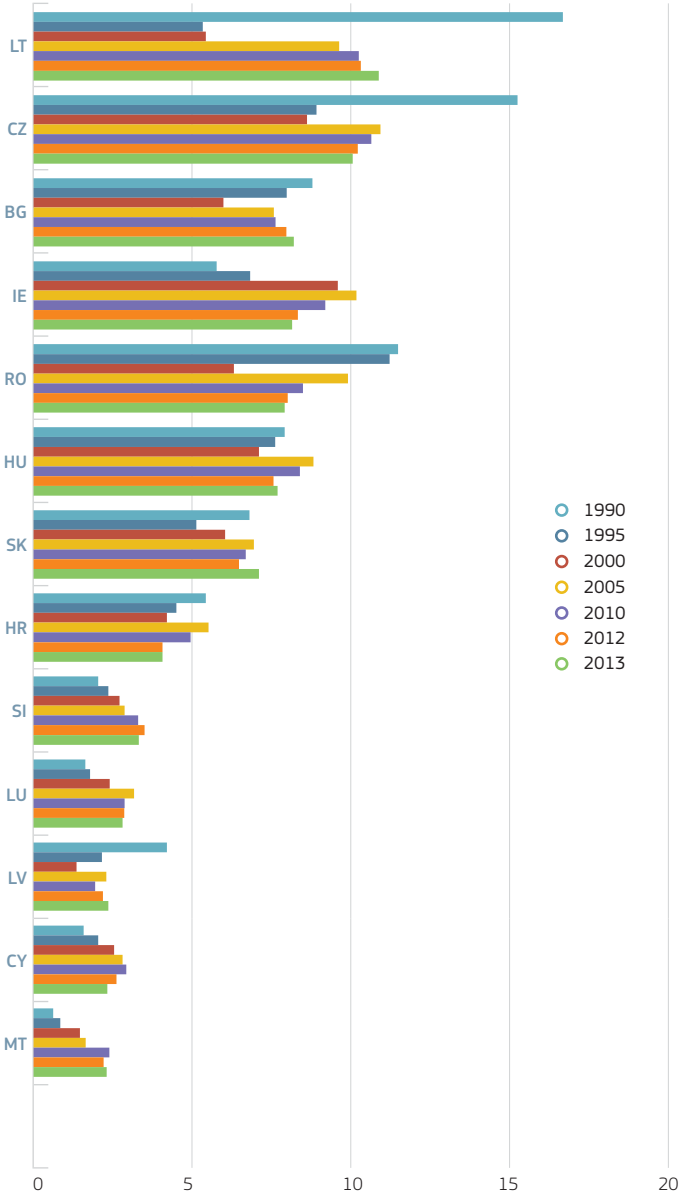
BY MEMBER STATE – TOP 14 IMPORTERS
1990-2013 (Mtoe)



Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.2.2 Imports – Petroleum and Products

BY MEMBER STATE – LEAST 14 IMPORTERS
1990-2013 (Mtoe)



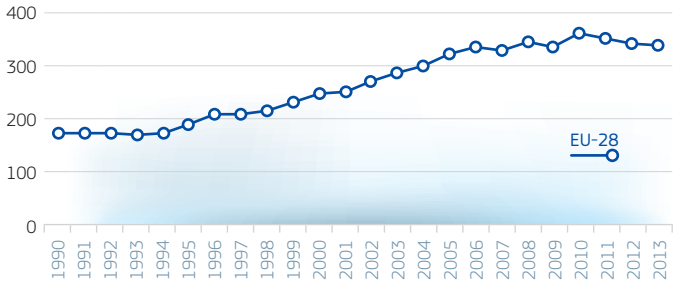
Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.2.3 Imports – Gases

TOTAL

Mtoe	1995	2000	2005	2010	2012	2013
EU-28	180.12	242.37	323.74	366.01	345.43	340.54
Index 1995	100 %	135 %	180 %	203 %	192 %	189 %
BE	10.42	13.28	14.82	19.55	15.25	15.26
BG	4.56	2.74	2.46	2.13	2.04	2.23
CZ	6.43	7.48	7.60	6.98	6.11	6.97
DK	0.00	0.00	0.00	0.14	0.82	1.20
DE	55.32	61.09	78.90	78.80	74.09	81.95
EE	0.58	0.66	0.80	0.56	0.55	0.56
IE	0.09	2.48	3.01	4.48	3.84	3.71
EL	0.00	1.69	2.33	3.23	3.67	3.24
ES	7.52	15.47	30.25	31.96	30.51	30.80
FR	28.11	36.46	41.62	42.11	42.36	38.01
HR	0.22	0.91	0.93	0.87	1.10	1.03
IT	28.56	47.05	60.16	61.72	55.47	50.75
CY	0.00	0.00	0.00	0.00	0.00	0.00
LV	1.00	1.11	1.43	0.90	1.38	1.39
LT	2.03	2.07	2.49	2.49	2.66	2.17
LU	0.56	0.67	1.18	1.20	1.05	0.89
HU	5.53	7.35	9.81	7.91	6.75	6.77
MT	0.00	0.00	0.00	0.00	0.00	0.00
NL	2.76	12.48	16.44	18.45	18.70	19.35
AT	5.42	5.27	8.03	10.30	11.63	8.53
PL	5.84	6.64	8.57	8.91	10.04	10.26
PT	0.00	2.04	3.89	4.51	3.92	3.81
RO	4.79	2.71	4.19	1.82	2.30	1.17
SI	0.75	0.82	0.93	0.86	0.71	0.69
SK	4.53	5.71	6.05	5.00	3.96	4.61
FI	2.84	3.42	3.60	3.84	3.01	2.86
SE	0.76	0.78	0.84	1.47	1.01	0.96
UK	1.51	2.01	13.42	45.86	42.53	41.41

IMPORTS – GASES – TOTAL – 1990-2013 (Mtoe)



Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.2.3 Imports – Gases

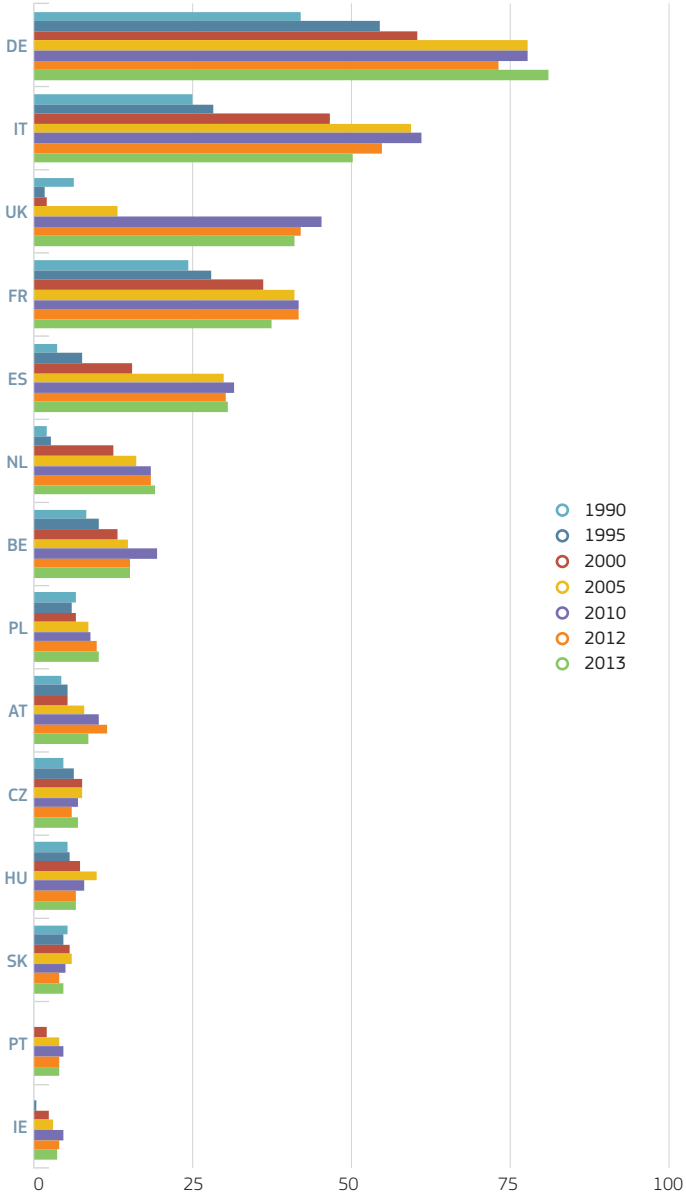
RANKING

Mtoe and %	1995			2013		
EU-28 Ranking	MS	Imports	EU-28 Share	MS	Imports	EU-28 Share
Gases						
1	DE	55.3	30.7 %	DE	81.9	23.7 %
2	IT	28.6	15.9 %	IT	50.8	14.7 %
3	FR	28.1	15.6 %	UK	41.4	12.0 %
4	BE	10.4	5.8 %	FR	38.0	11.0 %
5	ES	7.5	4.2 %	ES	30.8	8.9 %
6	CZ	6.4	3.6 %	NL	19.3	5.6 %
7	PL	5.8	3.2 %	BE	15.3	4.4 %
8	HU	5.5	3.1 %	AT	8.5	2.5 %
9	AT	5.4	3.0 %	PL	10.3	3.0 %
10	RO	4.8	2.7 %	HU	6.8	2.0 %
11	BG	4.6	2.5 %	CZ	7.0	2.0 %
12	SK	4.5	2.5 %	SK	4.6	1.3 %
13	FI	2.8	1.6 %	PT	3.8	1.1 %
14	NL	2.8	1.5 %	IE	3.7	1.1 %
15	LT	2.0	1.1 %	EL	3.2	0.9 %
16	UK	1.5	0.8 %	FI	2.9	0.8 %
17	LV	1.0	0.6 %	LT	2.2	0.6 %
18	SE	0.8	0.4 %	RO	1.2	0.3 %
19	SI	0.8	0.4 %	BG	2.2	0.6 %
20	EE	0.6	0.3 %	LV	1.4	0.4 %
21	LU	0.6	0.3 %	HR	1.0	0.3 %
22	HR	0.2	0.1 %	LU	0.9	0.3 %
23	IE	0.1	0.0 %	SE	1.0	0.3 %
24	DK	0.0	0.0 %	DK	1.2	0.3 %
25	EL	0.0	0.0 %	SI	0.7	0.2 %
26	CY	0.0	0.0 %	EE	0.6	0.2 %
27	MT	0.0	0.0 %	CY	0.0	0.0 %
28	PT	0.0	0.0 %	MT	0.0	0.0 %
Top 5 Total		129.9	72.1 %		242.9	70.3 %
Total		180.1	100.0 %		345.4	100.0 %

Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.2.3 Imports – Gases

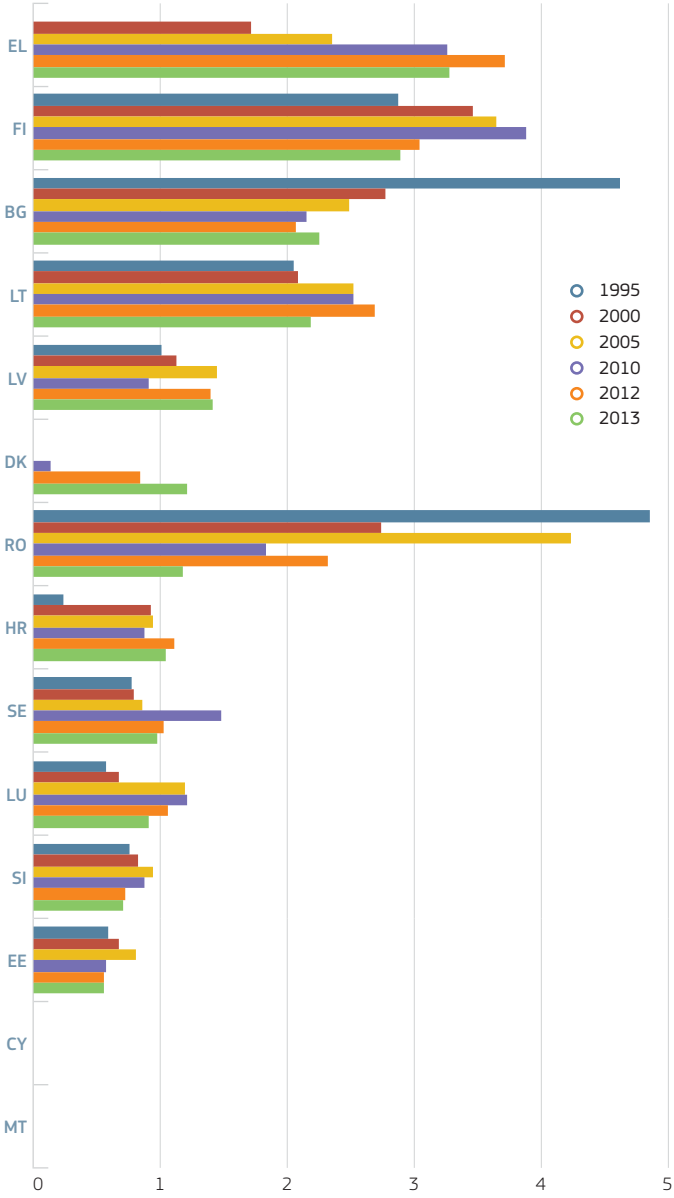
BY MEMBER STATE – TOP 14 IMPORTERS
1990-2013 (Mtoe)



Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.2.3 Imports – Gases

BY MEMBER STATE – LEAST 14 IMPORTERS
1990-2013 (Mtoe)



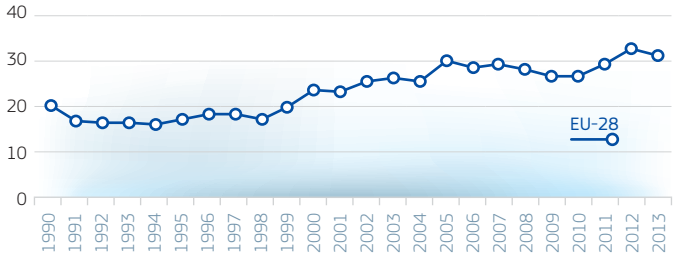
Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.2.4 Imports – Electricity

TOTAL

Mtoe	1995	2000	2005	2010	2012	2013
EU-28	17.0	22.9	28.8	25.7	31.2	30.1
Index 1995	100 %	135 %	170 %	151 %	184 %	177 %
BE	0.81	1.00	1.23	1.07	1.45	1.48
BG	0.17	0.08	0.07	0.10	0.20	0.29
CZ	0.58	0.75	1.06	0.57	1.00	0.91
DK	0.35	0.72	1.11	0.91	1.37	0.99
DE	3.42	3.88	4.89	3.69	3.98	3.37
EE	0.02	0.03	0.03	0.10	0.23	0.23
IE	0.00	0.02	0.18	0.07	0.07	0.22
EL	0.12	0.15	0.48	0.73	0.51	0.50
ES	0.66	1.06	0.88	0.45	0.67	0.85
FR	0.25	0.32	0.69	1.68	1.05	1.01
HR	0.38	0.38	0.75	1.07	1.13	0.97
IT	3.32	3.86	4.32	3.95	3.90	3.81
CY	0.00	0.00	0.00	0.00	0.00	0.00
LV	0.23	0.18	0.25	0.34	0.42	0.43
LT	0.45	0.44	0.49	0.70	0.69	0.69
LU	0.49	0.55	0.55	0.63	0.58	0.59
HU	0.28	0.82	1.35	0.85	1.46	1.43
MT	0.00	0.00	0.00	0.00	0.00	0.00
NL	1.03	1.97	2.04	1.34	2.77	2.86
AT	0.63	1.19	1.75	1.71	2.00	2.15
PL	0.38	0.28	0.43	0.54	0.84	0.67
PT	0.23	0.40	0.83	0.50	0.93	0.70
RO	0.07	0.07	0.20	0.07	0.34	0.24
SI	0.06	0.36	0.80	0.74	0.64	0.65
SK	0.30	0.51	0.69	0.63	1.16	0.92
FI	0.73	1.05	1.54	1.35	1.64	1.51
SE	0.66	1.57	1.25	1.28	1.00	1.09
UK	1.41	1.23	0.96	0.61	1.18	1.51

IMPORTS – ELECTRICITY – TOTAL – 1990-2013 (Mtoe)



Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.2.4 Imports – Electricity

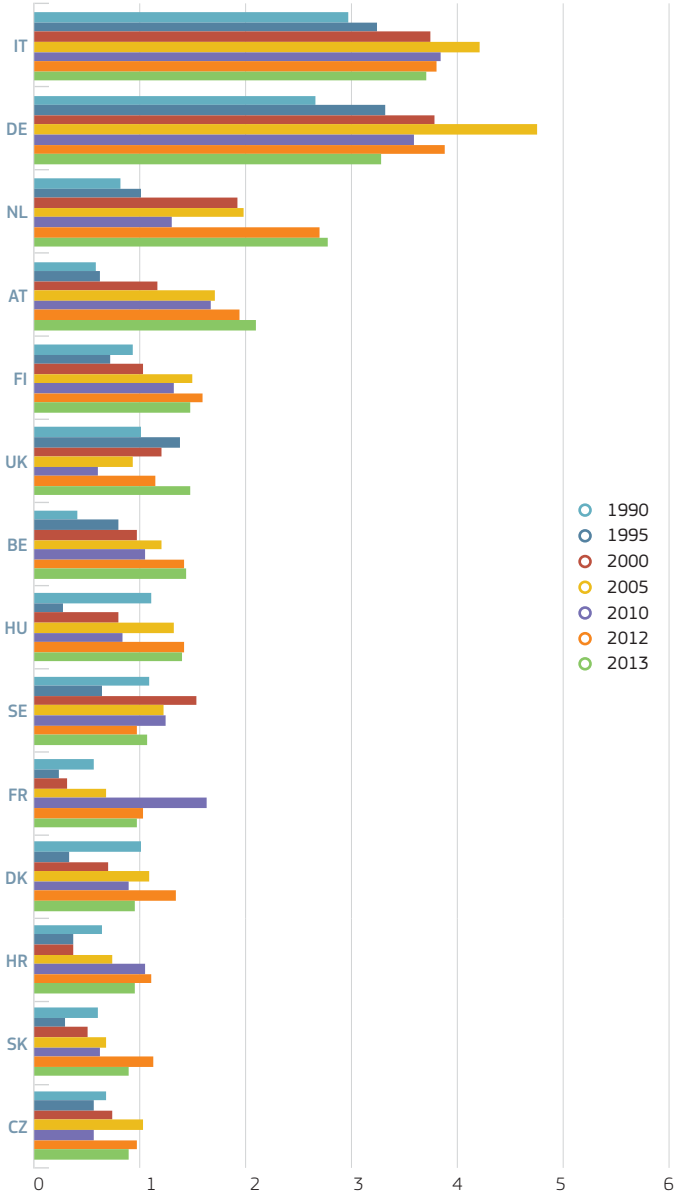
RANKING

Mtoe and %	1995			2013		
EU-28 Ranking	MS	Imports	EU-28 Share	MS	Imports	EU-28 Share
Electricity						
1	DE	3.4	20.1 %	DE	3.4	10.8 %
2	IT	3.3	19.6 %	IT	3.8	12.2 %
3	UK	1.4	8.3 %	NL	2.9	9.2 %
4	NL	1.0	6.1 %	AT	2.1	6.9 %
5	BE	0.8	4.8 %	FI	1.5	4.8 %
6	FI	0.7	4.3 %	HU	1.4	4.6 %
7	SE	0.7	3.9 %	BE	1.5	4.8 %
8	ES	0.7	3.9 %	DK	1.0	3.2 %
9	AT	0.6	3.7 %	UK	1.5	4.8 %
10	CZ	0.6	3.4 %	SK	0.9	3.0 %
11	LU	0.5	2.9 %	HR	1.0	3.1 %
12	LT	0.5	2.7 %	FR	1.0	3.2 %
13	HR	0.4	2.2 %	SE	1.1	3.5 %
14	PL	0.4	2.2 %	CZ	0.9	2.9 %
15	DK	0.3	2.0 %	PT	0.7	2.2 %
16	SK	0.3	1.7 %	PL	0.7	2.1 %
17	HU	0.3	1.6 %	LT	0.7	2.2 %
18	FR	0.2	1.4 %	ES	0.9	2.7 %
19	LV	0.2	1.3 %	SI	0.6	2.1 %
20	PT	0.2	1.3 %	LU	0.6	1.9 %
21	BG	0.2	1.0 %	EL	0.5	1.6 %
22	EL	0.1	0.7 %	LV	0.4	1.4 %
23	RO	0.1	0.4 %	RO	0.2	0.8 %
24	SI	0.1	0.4 %	EE	0.2	0.7 %
25	EE	0.0	0.1 %	BG	0.3	0.9 %
26	IE	0.0	0.0 %	IE	0.2	0.7 %
27	CY	0.0	0.0 %	CY	0.0	0.0 %
28	MT	0.0	0.0 %	MT	0.0	0.0 %
Top 5 Total		10.0	58.7 %		13.7	43.9 %
Total		17.0	100.0 %		31.2	100.0 %

Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.2.4 Imports – Electricity

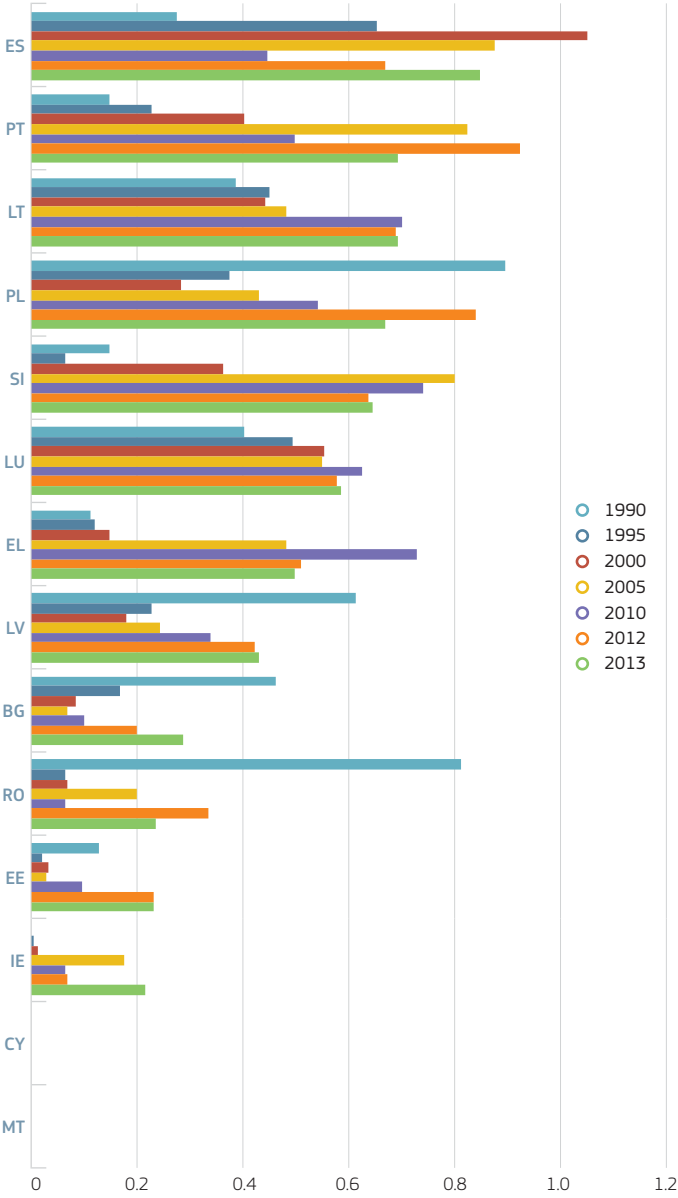
BY MEMBER STATE – TOP 14 IMPORTERS
1990-2013 (Mtoe)



Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.2.4 Imports – Electricity

BY MEMBER STATE – LEAST 14 IMPORTERS
1990-2013 (Mtoe)



Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

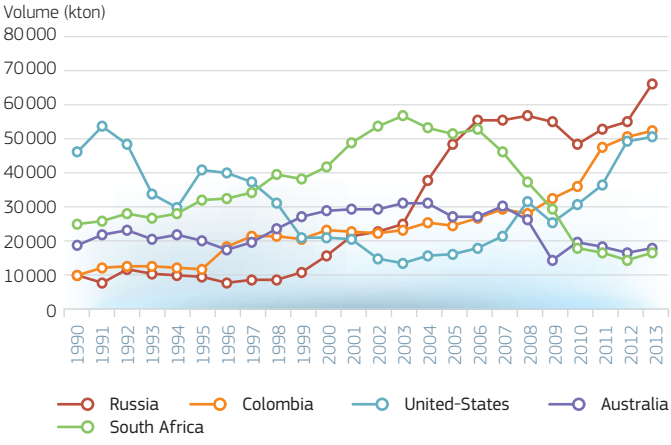
2.2.5 Imports by Country of Origin

EU-28 – HARD COAL

TOP 15 EXTRA-EU SUPPLIERS – (ORDERED BY 2013 VOLUME)

kton	1995	2000	2005	2010	2012	2013
Russia	8800	14971	48780	48674	55482	66836
Colombia	11161	22763	24236	36144	51235	52829
United States	41118	20665	15736	30518	49712	51110
Australia	19533	28608	27119	19251	16054	17368
South Africa	32091	41923	51970	17622	13702	16225
Not specified	6603	5229	3358	7594	10163	10676
Indonesia	3403	9102	14946	10158	9992	7201
Canada	4237	6378	6642	3637	3610	4094
Ukraine	348	2058	4229	3178	3217	3173
Norway	329	928	1124	1385	600	1335
Mozambique	0	107	0	0	99	657
Kazakhstan	262	0	932	332	615	569
Venezuela	2821	3621	2003	685	1079	541
China (except Hong Kong)	2443	1853	587	61	76	69
Bosnia and Herzegovina	0	0	0	27	14	4
Other	421	606	258	133	44	6
kton						
Extra-EU	133570	158812	201920	179399	215694	232693
Intra-EU	30108	31206	26520	21870	15669	19161
Total Extra and Intra-EU	163678	190018	228440	201269	231363	251854

EU-28 – HARD COAL – TOP 5 IMPORTS FROM EXTRA-EU SUPPLIERS (1990-2013)



Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

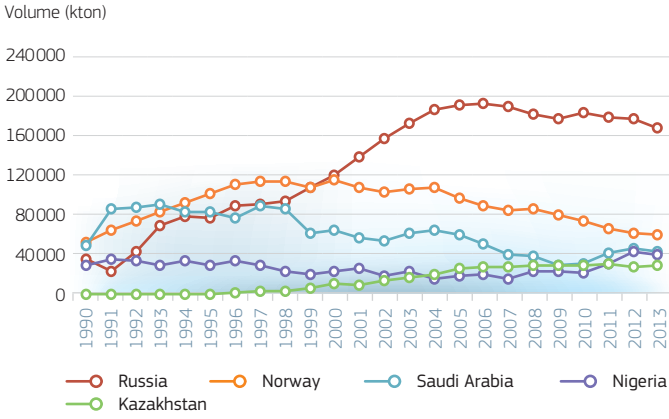
2.2.5 Imports by Country of Origin

EU-28 – CRUDE OIL AND NGL

TOP 15 EXTRA-EU SUPPLIERS – (ORDERED BY 2013 VOLUME)

kton	1995	2000	2005	2010	2012	2013
Russia	76319	120185	191514	182941	177747	167907
Norway	102203	115904	97610	73428	61293	60737
Saudi Arabia	82419	65143	60748	30774	46210	42962
Nigeria	28597	22532	18618	21796	42806	40295
Kazakhstan	78	9993	26386	29705	27424	29445
Libya	47978	45883	50681	53754	43740	28133
Azerbaijan	0	3712	7255	22922	20241	23929
Algeria	17031	21417	22776	8256	16876	21270
Iraq	0	31331	12290	16952	21536	18153
Angola	4756	3862	7065	8483	10563	14592
Mexico	7246	9770	10647	6783	9104	9300
Not specified	35509	11074	43	180	272	5805
Egypt	6950	5579	1716	4654	4366	5354
Venezuela	9923	6946	6989	5002	6195	5193
Colombia	0	0	0	721	4637	5090
Other	90789	70062	70204	64908	39629	29689
kton						
Extra-EU	509798	543393	584542	531259	532639	507854
Intra-EU	50291	62313	48272	39637	32570	29277
Total Extra and Intra-EU	560089	605706	632814	570896	565209	537131
Mio barrels						
Extra-EU	3738	3984	4285	3895	3905	3723
Intra-EU	369	457	354	291	239	215
Total Extra and Intra-EU	4106	4441	4639	4185	4144	3938

EU-28 – CRUDE OIL AND NGL – TOP 5 IMPORTS FROM EXTRA-EU SUPPLIERS (1990-2013)



Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

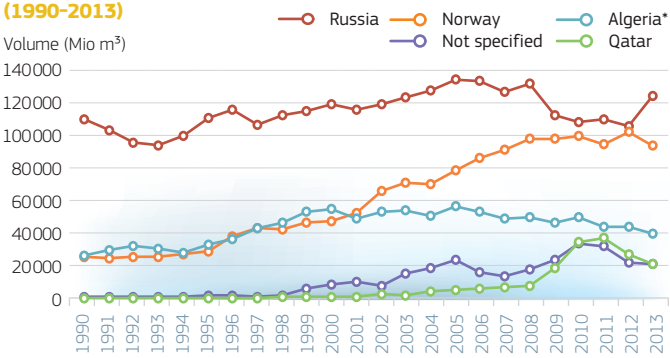
2.2.5 Imports by Country of Origin

EU-28 – NATURAL GAS

TOP 8 EXTRA-EU SUPPLIERS – (ORDERED BY 2013 VOLUME)

TJ (GCV)	1995	2000	2005	2010	2012	2013
Russia	4245121	4581814	5207204	4184223	4101726	4840727
Norway	1159830	1921081	3040181	3905622	3996516	3665682
Algeria	1362649	2203075	2256826	1986974	1737581	1593028
Not specified	58588	332289	937105	1334034	857649	831925
Qatar	0	12443	195713	1383263	1087554	828946
Nigeria	0	172020	436319	576236	455364	223039
Libya	54497	33442	209499	381660	246469	217361
Trinidad and Tobago	0	36334	29673	206167	112065	94606
Other	101764	290878	1151170	1399138	1033105	648125
Extra-EU	6927952	9341580	12788199	14193254	12814131	12408433
Intra-EU	1451229	1933316	2272283	2833535	3255086	3433489
Total Extra and Intra-EU	8379181	11274896	15060482	17026789	16069217	15841922
Mio m³						
Russia	112079	120688	136237	109870	106703	125745
Norway	28929	47813	79189	100801	103404	95216
Algeria*	33698	55607	57075	50360	44100	40011
Not specified	1473	8126	23827	33969	22254	21527
Qatar	0	309	4859	34834	27717	21067
Libya	1353	830	5445	9980	6469	5705
Nigeria	0	4385	10586	14022	11150	5509
Trinidad and Tobago	0	902	751	5142	2781	2361
Other	1184	1272	11962	5856	5472	2840
Extra-EU	178716	239932	329931	364834	330050	319981
Intra-EU	41164	54116	59648	74366	84764	89135
Total Extra and Intra-EU	219880	294048	389579	439200	414814	409116

EU-28 – NATURAL GAS – TOP 5 IMPORTS FROM EXTRA-EU SUPPLIERS (1990-2013)



* DG ENERGY calculations.

Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.3 Energy Import Dependency

2.3.1 Import Dependency – All Fuels (%)

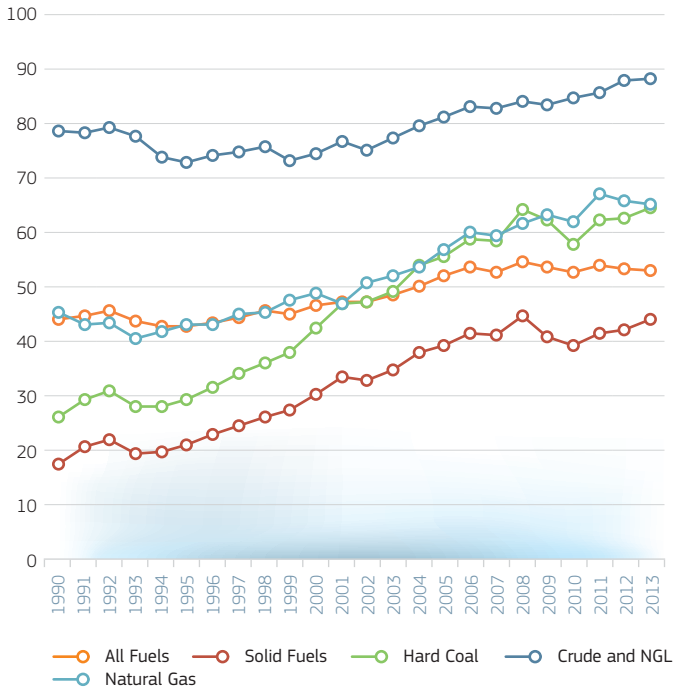
Imports from Extra-EU	1995	2000	2005	2010	2012	2013
EU-28	43.0	46.7	52.2	52.8	53.3	53.2
Index 1995	100.0	108.5	121.4	122.6	124.0	123.6
Imports from Intra and Extra-EU						
BE	80.9	78.1	80.1	78.0	76.1	77.5
BG	55.9	46.0	46.7	39.6	36.1	37.8
CZ	20.6	22.9	28.0	25.6	25.3	27.9
DK	33.4	-35.0	-49.8	-15.7	-3.0	12.3
DE	56.8	59.4	60.4	60.1	61.3	62.7
EE	32.3	32.2	26.1	13.6	17.0	11.9
IE	69.5	84.9	89.6	86.5	84.8	89.0
EL	66.7	69.5	68.6	69.1	66.5	62.1
ES	71.7	76.6	81.4	76.7	73.0	70.5
FR	48.0	51.5	51.6	49.0	48.0	47.9
HR	40.6	52.9	58.4	52.1	53.6	52.3
IT	81.9	86.5	84.5	84.3	79.3	76.9
CY	100.5	98.6	100.7	100.8	97.0	96.5
LV	70.4	61.0	63.9	45.5	56.4	55.8
LT	63.1	59.4	56.8	81.8	80.3	78.3
LU	97.7	99.6	97.3	97.0	97.4	96.9
HU	47.9	55.2	63.1	58.1	52.3	52.3
MT	104.8	100.3	100.0	99.0	101.0	104.1
NL	17.7	38.0	37.7	30.4	30.7	26.0
AT	66.4	65.4	71.3	62.4	63.7	62.3
PL	-1.2	9.9	17.2	31.3	30.7	25.8
PT	85.3	85.1	88.6	75.1	78.9	73.5
RO	30.3	21.8	27.6	21.9	22.7	18.6
SI	50.9	52.8	52.5	49.3	51.7	47.1
SK	68.5	65.6	65.3	62.9	59.9	59.6
FI	53.5	55.2	54.2	47.9	46.3	48.7
SE	38.9	40.7	36.8	36.6	28.6	31.6
UK	-16.4	-16.9	13.4	28.5	42.2	46.4

* Negative Rate Indicates a Net Exporter.
Values Over 100% Indicate Stocks Build Up.

Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.3.2 Import Dependency – By Fuel

EU-28 – IMPORTS FROM EXTRA-EU – 1990-2013 (%)



Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.3.3 Import Dependency – Solid Fuels
(%)

Imports from Extra-EU	1995	2000	2005	2010	2012	2013
EU-28	21.5	30.6	39.4	39.5	42.2	44.2
Index 1995	100.0	142.5	183.5	184.0	196.7	205.7
Imports from Intra and Extra-EU						
BE	108.9	91.1	101.4	97.8	94.4	95.1
BG	31.8	35.1	37.0	24.7	21.4	16.4
CZ	-25.5	-21.8	-16.1	-16.2	-13.0	-11.6
DK	117.9	94.9	94.4	69.4	93.6	90.7
DE	11.2	25.5	31.7	40.1	40.0	44.5
EE	8.4	9.1	0.8	-0.6	0.3	-0.1
IE	64.9	64.6	70.8	47.8	55.7	72.4
EL	11.0	8.5	4.1	5.1	2.3	3.2
ES	45.4	61.3	70.1	85.1	76.5	70.3
FR	56.8	86.4	94.5	101.0	95.1	93.4
HR	85.7	111.1	91.4	102.3	87.8	110.1
IT	105.9	104.6	99.4	100.9	96.7	96.2
CY	100.0	100.0	119.4	64.7		
LV	61.6	46.2	93.9	102.8	94.6	87.7
LT	64.4	87.0	94.6	92.0	89.3	99.6
LU	100.0	100.0	100.0	100.0	100.0	100.0
HU	29.5	28.2	42.8	41.9	36.8	29.5
MT						
NL	97.8	101.9	101.4	121.5	83.6	111.6
AT	75.7	83.9	99.3	99.8	103.4	93.8
PL	-30.2	-29.1	-23.9	-5.2	-6.5	-10.4
PT	105.8	102.9	96.3	98.3	103.3	95.4
RO	26.5	25.6	33.4	17.6	16.6	18.9
SI	13.6	18.7	21.0	19.2	21.5	19.5
SK	76.7	80.2	88.4	75.7	89.7	80.6
FI	63.4	68.9	67.7	57.8	57.7	65.7
SE	95.4	98.3	97.2	102.2	78.2	82.4
UK	22.2	39.6	72.1	52.2	69.5	82.0

* Negative Rate Indicates a Net Exporter.
Values Over 100% Indicate Stocks Build Up.

Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.3.4 Import Dependency – Hard Coal

(%)

Imports from Extra-EU	1995	2000	2005	2010	2012	2013
EU-28	29.7	42.6	55.7	57.9	62.6	64.6
Index 1995	100.0	143.2	187.4	195.0	210.7	217.3
Imports from Intra and Extra-EU						
BE	108.5	90.4	100.9	100.2	94.1	93.7
BG	73.0	100.5	94.7	88.2	107.2	89.0
CZ	-34.2	-56.1	-49.4	-58.0	-47.5	-40.6
DK	118.0	94.7	94.3	69.3	93.6	90.6
DE	17.1	39.2	57.5	73.7	79.1	86.0
EE	101.9	116.4	97.2	117.9	123.8	95.0
IE	105.9	93.2	100.8	79.3	90.5	111.1
EL	95.2	105.9	112.5	100.3	76.0	110.2
ES	48.5	66.8	74.4	85.0	77.6	70.3
FR	58.0	87.3	92.9	100.6	93.5	91.9
HR	73.9	112.9	90.5	102.7	87.3	110.7
IT	105.6	105.7	99.7	101.5	96.8	95.5
CY	100.0	100.0	119.4	64.7		
LV	93.6	81.8	97.3	106.7	98.9	91.4
LT	69.1	100.0	102.6	95.3	95.7	108.5
LU	100.0	100.0	100.0	100.0	100.0	100.0
HU	103.5	99.0	105.1	99.5	97.5	98.8
MT						
NL	97.4	101.5	100.3	122.3	83.9	113.3
AT	88.3	91.6	106.9	97.5	104.0	91.3
PL	-31.7	-29.9	-21.3	3.7	3.0	-1.8
PT	105.9	103.4	96.3	98.2	103.3	95.5
RO	81.7	96.0	102.2	100.9	97.4	100.4
SI	100.0	100.5	93.8	101.3	117.7	97.5
SK	92.9	103.8	105.2	91.9	105.9	98.4
FI	89.0	97.7	102.6	85.5	85.5	87.1
SE	101.6	107.7	104.3	115.2	81.5	89.4
UK	21.8	39.4	71.5	52.3	69.8	81.6

* Negative Rate Indicates a Net Exporter.
Values Over 100 % Indicate Stocks Build Up.

Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.3.5 Import Dependency – Petroleum and Products

(%)

Imports from Extra-EU	1995	2000	2005	2010	2012	2013
EU-28	74.0	75.8	82.2	84.4	86.4	87.4
Index 1995	100.0	102.4	111.0	114.1	116.8	118.1
Imports from Intra and Extra-EU						
BE	99.6	100.2	100.8	101.4	99.3	102.0
BG	99.6	95.4	102.2	101.0	96.9	103.7
CZ	98.0	95.3	97.5	96.4	95.3	96.4
DK	11.0	-80.8	-102.7	-43.4	-34.9	-13.7
DE	95.8	94.6	97.0	95.9	96.0	96.1
EE	80.2	77.4	70.8	57.5	60.1	60.0
IE	100.2	98.9	100.0	97.5	98.6	100.2
EL	98.4	100.2	97.7	98.6	101.2	94.2
ES	101.5	101.0	101.2	99.9	96.7	97.4
FR	96.9	99.5	99.3	97.6	97.8	98.9
HR	55.6	61.0	79.4	80.4	71.4	77.1
IT	93.3	96.1	91.8	93.5	90.1	90.7
CY	102.6	100.3	102.3	104.2	101.0	101.0
LV	102.6	94.8	102.2	94.4	101.7	100.3
LT	114.5	100.4	91.9	98.7	92.9	93.2
LU	98.2	102.1	99.4	99.4	100.5	100.3
HU	71.0	76.0	81.2	84.2	80.8	83.9
MT	104.8	100.3	100.1	99.2	101.4	104.5
NL	84.6	99.8	97.1	93.3	96.7	94.7
AT	89.3	89.1	91.4	89.7	91.9	92.9
PL	95.9	98.7	97.5	97.0	95.0	91.3
PT	100.6	99.4	102.3	97.5	99.2	97.2
RO	48.6	34.2	38.5	51.9	51.2	47.0
SI	97.8	101.5	101.2	100.0	105.0	95.8
SK	100.6	90.5	88.2	88.5	89.1	88.5
FI	94.8	103.5	98.4	89.4	92.9	106.2
SE	95.6	100.8	104.0	93.6	95.4	101.4
UK	-57.4	-54.9	-3.2	14.8	36.1	39.8

* Negative Rate Indicates a Net Exporter.
Values Over 100% Indicate Stocks Build Up.

Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.3.6 Import Dependency – Crude and NGL

(%)

Imports from Extra-EU	1995	2000	2005	2010	2012	2013
EU-28	73.0	74.5	81.3	84.7	87.9	88.1
Index 1995	100.0	102.1	111.4	116.0	120.4	120.7
Imports from Intra and Extra-EU						
BE	99.8	100.2	99.5	99.9	99.7	100.1
BG	99.7	98.7	97.7	99.1	99.9	100.3
CZ	100.2	95.2	99.3	97.5	97.3	98.0
DK	6.3	-120.5	-141.3	-68.8	-31.2	-20.9
DE	96.9	93.8	97.3	97.0	98.1	97.8
EE						
IE	100.2	89.8	98.8	101.6	95.8	103.3
EL	98.8	99.5	95.2	99.5	100.7	97.1
ES	99.1	100.6	100.1	99.3	99.3	99.5
FR	95.8	98.5	98.2	98.2	99.2	99.6
HR	69.2	72.1	78.9	82.2	74.3	81.1
IT	92.8	95.1	94.0	94.5	92.3	92.3
CY	96.3	98.5				
LV						
LT	99.5	94.5	95.3	99.0	98.8	98.7
LU						
HU	71.9	78.6	81.2	85.2	84.7	85.5
MT						
NL	93.8	97.7	96.7	97.6	97.2	97.0
AT	87.6	86.9	88.5	86.2	88.7	90.5
PL	97.1	99.1	97.3	98.4	97.4	94.8
PT	100.0	99.0	100.2	98.8	100.0	102.5
RO	54.9	43.5	61.3	56.5	56.6	55.8
SI	95.9	87.5				
SK	101.5	97.6	97.7	99.9	99.3	101.0
FI	94.1	101.5	97.5	101.1	100.9	100.7
SE	99.3	100.6	100.4	99.0	99.3	101.7
UK	-47.7	-48.0	-0.2	13.1	36.6	33.7

* Negative Rate Indicates a Net Exporter.
Values Over 100 % Indicate Stocks Build Up.

Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.3.7 Import Dependency – Natural Gas
(%)

Imports from Extra-EU	1995	2000	2005	2010	2012	2013
EU-28	43.4	48.9	57.1	62.2	65.8	65.3
Index 1995	100.0	112.7	131.6	143.4	151.7	150.6
Imports from Intra and Extra-EU						
BE	98.2	99.3	100.6	98.8	98.6	100.5
BG	99.5	93.6	87.7	92.7	83.4	93.2
CZ	98.0	99.8	97.8	84.8	89.0	100.2
DK	-47.2	-64.8	-113.9	-68.3	-53.1	-23.3
DE	78.6	79.1	79.6	81.2	85.7	87.2
EE	100.0	100.0	100.0	100.0	100.0	100.0
IE	3.6	72.1	86.7	95.7	95.6	95.9
EL	0.0	99.1	99.1	99.9	100.3	100.0
ES	97.4	101.6	101.4	99.4	98.2	98.6
FR	93.0	100.0	99.3	93.0	96.6	97.4
HR	11.6	41.0	23.7	18.1	37.0	31.9
IT	63.9	81.1	84.7	90.5	90.2	88.1
CY						
LV	98.9	101.9	105.6	61.8	113.8	115.5
LT	100.0	100.0	100.7	99.7	100.1	100.0
LU	100.0	100.0	100.0	100.0	99.6	99.6
HU	60.3	75.4	81.1	78.7	72.9	72.1
MT						
NL	-76.4	-49.1	-59.3	-61.6	-74.5	-86.8
AT	84.8	80.6	87.7	74.4	86.2	75.5
PL	64.6	66.3	69.7	69.3	73.4	74.2
PT		100.2	103.8	100.4	99.7	101.5
RO	24.9	19.8	30.1	16.8	21.3	11.9
SI	100.5	99.3	99.6	99.3	99.7	99.6
SK	86.8	98.8	97.5	99.9	89.8	95.6
FI	100.0	100.0	100.0	100.0	100.0	99.9
SE	100.0	100.0	100.0	100.0	100.0	100.0
UK	1.0	-10.7	7.0	37.9	47.2	50.1

* Negative Rate Indicates a Net Exporter.
Values Over 100% Indicate Stocks Build Up.

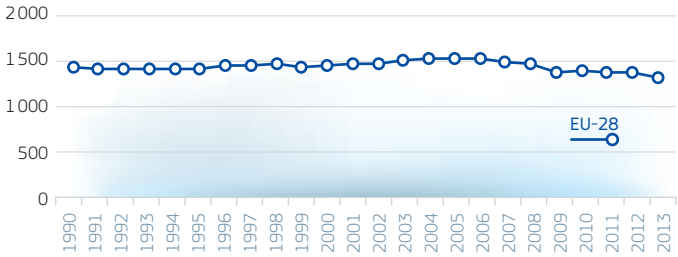
Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.4 Energy Transformation

2.4.1 Transformation Input – All Fuels

Mtoe	1995	2000	2005	2010	2012	2013
EU-28	1 416.1	1 455.5	1 529.0	1 397.5	1 358.6	1 301.9
Index 1995	100 %	103 %	108 %	99 %	96 %	92 %
BE	51.55	61.78	60.71	58.69	55.14	52.19
BG	23.49	18.20	20.19	18.85	19.19	18.22
CZ	33.11	30.61	35.46	35.04	34.34	33.22
DK	19.19	16.81	15.38	15.68	13.94	14.04
DE	268.82	264.63	276.12	250.75	242.61	239.09
EE	3.70	3.41	3.89	4.68	4.61	5.08
IE	6.30	8.33	8.06	7.65	7.38	6.77
EL	27.08	34.06	33.95	33.43	35.60	34.26
ES	94.09	106.42	114.63	102.18	110.32	102.04
FR	198.94	218.10	228.54	206.74	193.46	188.53
HR	6.50	6.64	6.81	5.68	5.32	4.78
IT	141.98	150.89	165.68	149.97	139.34	120.89
CY	1.48	2.07	1.08	1.18	1.09	0.88
LV	1.49	1.09	1.06	1.16	1.04	1.18
LT	8.46	8.85	13.94	11.29	10.79	11.11
LU	0.28	0.10	0.58	0.56	0.49	0.34
HU	20.05	18.95	18.80	19.50	18.12	16.83
MT	0.45	0.49	0.73	0.57	0.62	0.51
NL	101.47	104.09	111.18	85.78	81.29	79.00
AT	15.89	15.19	17.32	16.69	17.01	16.61
PL	68.92	69.51	69.90	76.00	77.30	77.03
PT	19.53	19.52	21.87	17.94	18.22	19.87
RO	36.90	26.90	29.77	23.88	23.18	21.66
SI	3.30	2.78	3.12	3.08	3.01	2.89
SK	14.26	15.55	16.64	15.02	14.89	15.48
FI	25.48	28.50	29.37	33.53	31.16	32.44
SE	45.28	44.24	46.58	45.86	46.55	43.08
UK	178.14	177.78	177.63	156.10	152.67	143.89

TRANSFORMATION INPUT – ALL FUELS – 1990-2013 (Mtoe)



Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.4.2 Transformation Input – By Fuel

	2013						
Mtoe	Total, All Products	Solid Fuels	Petroleum and Products	Gases	Nuclear	Renewables	Wastes non-RES
EU-28	1 301.9	269.4	630.1	111.5	226.3	54.4	9.1
Share (%)	100.0 %	20.7 %	48.4 %	8.6 %	17.4 %	4.2 %	0.7 %
BE	52.19	2.88	32.49	3.95	11.00	1.17	0.54
BG	18.22	6.83	6.71	0.96	3.67	0.05	0.00
CZ	33.22	15.39	7.14	1.68	7.96	1.00	0.05
DK	14.04	3.11	7.33	1.17	0.00	2.03	0.38
DE	239.09	80.29	101.34	17.99	25.10	11.29	3.10
EE	5.08	4.34	0.04	0.35	0.00	0.32	0.03
IE	6.77	1.60	2.88	2.15	0.00	0.12	0.02
EL	34.26	6.78	25.42	1.97	0.00	0.08	0.02
ES	102.04	11.04	63.96	9.05	14.63	3.22	0.15
FR	188.53	9.93	60.20	4.89	109.29	2.75	1.13
HR	4.78	0.56	3.50	0.67	0.00	0.05	0.00
IT	120.89	13.27	75.54	21.01	0.00	10.21	0.86
CY	0.88	0.00	0.87	0.00	0.00	0.01	0.00
LV	1.18	0.01	0.01	0.83	0.00	0.34	0.00
LT	11.11	0.02	9.79	0.85	0.00	0.38	0.02
LU	0.34	0.00	0.00	0.29	0.00	0.03	0.02
HU	16.83	2.72	7.61	1.89	3.98	0.59	0.05
MT	0.51	0.00	0.51	0.00	0.00	0.00	0.00
NL	79.00	7.98	56.98	10.32	0.75	1.87	0.80
AT	16.61	2.97	9.07	2.17	0.00	2.00	0.40
PL	77.03	46.38	25.74	2.66	0.00	2.21	0.02
PT	19.87	2.63	14.59	1.70	0.00	0.86	0.10
RO	21.66	5.11	10.69	2.77	3.00	0.10	0.00
SI	2.89	1.28	0.01	0.14	1.37	0.08	0.01
SK	15.48	3.01	6.72	1.09	4.11	0.53	0.02
FI	32.44	5.12	15.34	2.03	6.09	3.63	0.16
SE	43.08	1.83	18.00	0.50	17.14	4.91	0.59
UK	143.89	34.30	67.67	18.42	18.21	4.60	0.70

Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.4.3 Transformation Input – By Sector

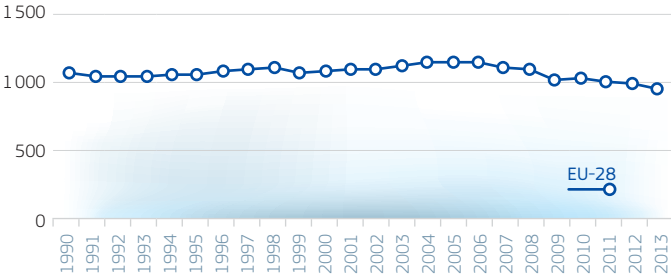
Mtoe	2013 Total, All Sectors	Conventional Thermal Power Stations	Nuclear Power Stations	District Heating Plants	Refineries, Petroleum and sub-products	Other Transformation Input Industry
EU-28	1 301.9	379.4	226.3	20.1	615.1	61.0
Share (%)	100.0 %	29.1 %	17.4 %	1.5 %	47.2 %	4.7 %
BE	52.19	6.52	11.00	0.01	32.47	2.18
BG	18.22	6.79	3.67	0.16	6.52	1.08
CZ	33.22	14.29	7.96	0.62	7.11	3.24
DK	14.04	5.94	0.00	0.90	7.18	0.02
DE	239.09	93.83	25.10	4.30	99.69	16.18
EE	5.08	3.42	0.00	0.38	0.00	1.28
IE	6.77	3.75	0.00	0.00	2.85	0.18
EL	34.26	9.89	0.00	0.00	24.36	0.01
ES	102.04	24.16	14.63	0.00	61.19	2.06
FR	188.53	13.32	109.29	1.74	59.49	4.69
HR	4.78	1.18	0.00	0.08	3.44	0.08
IT	120.89	47.01	0.00	0.13	71.03	2.73
CY	0.88	0.88	0.00	0.00	0.00	0.00
LV	1.18	0.92	0.00	0.25	0.00	0.01
LT	11.11	0.95	0.00	0.42	9.73	0.00
LU	0.34	0.33	0.00	0.01	0.00	0.00
HU	16.83	3.51	3.98	0.67	7.59	1.08
MT	0.51	0.51	0.00	0.00	0.00	0.00
NL	79.00	18.52	0.75	0.31	56.45	2.98
AT	16.61	4.48	0.00	1.03	9.01	2.10
PL	77.03	38.03	0.00	3.11	25.59	10.30
PT	19.87	5.54	0.00	0.00	14.30	0.04
RO	21.66	7.37	3.00	0.57	10.40	0.31
SI	2.89	1.46	1.37	0.06	0.00	0.00
SK	15.48	2.37	4.11	0.36	6.50	2.14
FI	32.44	8.23	6.09	1.37	15.14	1.62
SE	43.08	5.52	17.14	1.29	17.83	1.30
UK	143.89	50.74	18.21	2.37	67.19	5.38

Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.4.4 Transformation Output – All Fuels

Mtoe	1995	2000	2005	2010	2012	2013
EU-28	1 045.9	1 078.7	1 130.0	1 022.1	987.4	946.1
Index 1995	100 %	103 %	108 %	98 %	94 %	90 %
BE	40.04	49.79	48.56	46.55	44.82	41.91
BG	15.81	11.40	12.61	11.58	11.91	11.66
CZ	21.85	19.56	22.47	21.81	20.96	20.15
DK	15.83	14.01	13.32	13.47	12.66	12.42
DE	190.24	188.46	199.84	177.68	173.35	170.80
EE	1.70	1.52	1.66	1.91	1.77	1.84
IE	3.90	5.41	5.36	5.20	5.12	4.73
EL	21.19	26.84	26.24	26.55	28.62	28.09
ES	71.54	79.39	85.48	78.39	82.57	78.70
FR	127.19	140.68	142.56	123.24	110.89	107.47
HR	6.00	6.00	6.06	5.09	4.56	4.14
IT	114.66	119.80	133.23	120.58	111.40	96.03
CY	1.05	1.47	0.38	0.46	0.39	0.35
LV	1.19	0.87	0.88	0.95	0.85	0.91
LT	6.04	7.11	11.81	10.98	10.63	11.04
LU	0.18	0.04	0.35	0.34	0.29	0.21
HU	14.19	13.35	13.43	14.00	12.97	12.21
MT	0.14	0.17	0.19	0.18	0.20	0.19
NL	93.18	96.20	102.29	75.68	72.30	70.32
AT	13.46	13.37	14.87	14.39	14.77	14.74
PL	46.70	47.97	48.52	54.79	55.58	55.23
PT	16.15	15.79	17.69	15.06	14.92	17.00
RO	28.82	20.70	23.79	17.54	16.24	15.98
SI	1.65	1.24	1.24	1.24	1.21	1.17
SK	9.96	11.03	12.17	11.17	10.82	11.42
FI	19.64	22.59	23.23	26.19	25.01	25.65
SE	32.79	33.76	33.26	34.49	34.59	30.59
UK	130.84	130.20	128.51	112.58	107.98	101.13

TRANSFORMATION OUTPUT – ALL FUELS – 1990-2013 (Mtoe)



Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.4.5 Transformation Output – By Fuel

Mtoe	2013 Total, All Products	Solid Fuels	Petroleum and Products	Gases	Electricity	Derived Heat
EU-28	946.1	33.6	614.4	20.7	218.7	58.6
Share (%)	100.0 %	3.5 %	64.9 %	2.2 %	23.1 %	6.2 %
BE	41.91	1.20	32.47	0.89	6.49	0.86
BG	11.66	0.75	6.52	0.00	3.12	1.27
CZ	20.15	1.87	7.11	1.33	6.96	2.90
DK	12.42	0.00	7.18	0.00	1.99	3.26
DE	170.80	8.96	99.47	5.85	44.86	11.66
EE	1.84	0.04	0.00	0.16	1.09	0.55
IE	4.73	0.12	2.84	0.00	1.78	0.00
EL	28.09	0.00	24.35	0.00	3.70	0.04
ES	78.70	1.26	61.17	0.74	15.50	0.00
FR	107.47	2.34	59.41	1.84	40.91	2.97
HR	4.14	0.00	3.44	0.00	0.41	0.28
IT	96.03	1.81	70.97	1.00	17.08	5.17
CY	0.35	0.00	0.00	0.00	0.35	0.00
LV	0.91	0.00	0.00	0.00	0.27	0.63
LT	11.04	0.00	9.73	0.00	0.26	1.04
LU	0.21	0.00	0.00	0.00	0.14	0.08
HU	12.21	0.68	7.58	0.27	2.52	1.17
MT	0.19	0.00	0.00	0.00	0.19	0.00
NL	70.32	1.43	56.44	1.23	8.14	3.08
AT	14.74	0.96	8.99	1.07	1.62	2.10
PL	55.23	6.73	25.53	2.34	13.38	7.26
PT	17.00	0.00	14.28	0.00	2.09	0.61
RO	15.98	0.00	10.40	0.23	3.32	2.03
SI	1.17	0.00	0.00	0.00	0.94	0.23
SK	11.42	1.10	6.49	0.84	1.98	1.02
FI	25.65	0.63	15.13	0.50	4.95	4.43
SE	30.59	0.73	17.82	0.47	7.03	4.54
UK	101.13	2.97	67.12	1.99	27.61	1.45

Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.4.6 Transformation Output – By Sector

Mtoe	2013 Total, All Sectors	Conventional Thermal Power Stations	Nuclear Power Stations, Electricity	District Heating Plants, Heat	Refineries, Petroleum and sub-products	Other Transformation Output Industry
EU-28	946.1	185.1	75.4	16.7	614.4	54.5
Share (%)	100.0 %	19.6 %	8.0 %	1.8 %	64.9 %	5.8 %
BE	41.91	3.67	3.67	0.01	32.47	2.09
BG	11.66	2.96	1.22	0.19	6.52	0.77
CZ	20.15	6.65	2.64	0.54	7.11	3.22
DK	12.42	4.34	0.00	0.91	7.18	0.00
DE	170.80	44.82	8.37	3.33	99.47	14.81
EE	1.84	1.35	0.00	0.30	0.00	0.20
IE	4.73	1.78	0.00	0.00	2.84	0.11
EL	28.09	3.74	0.00	0.00	24.35	0.00
ES	78.70	10.63	4.88	0.00	61.17	2.02
FR	107.47	6.02	36.43	1.42	59.41	4.18
HR	4.14	0.63	0.00	0.06	3.44	0.01
IT	96.03	22.16	0.00	0.09	70.97	2.82
CY	0.35	0.35	0.00	0.00	0.00	0.00
LV	0.91	0.71	0.00	0.19	0.00	0.01
LT	11.04	0.85	0.00	0.46	9.73	0.00
LU	0.21	0.21	0.00	0.01	0.00	0.00
HU	12.21	1.76	1.32	0.59	7.58	0.96
MT	0.19	0.19	0.00	0.00	0.00	0.00
NL	70.32	10.67	0.25	0.30	56.44	2.66
AT	14.74	2.84	0.00	0.88	8.99	2.03
PL	55.23	17.99	0.00	2.65	25.53	9.06
PT	17.00	2.70	0.00	0.00	14.28	0.01
RO	15.98	3.97	1.00	0.38	10.40	0.23
SI	1.17	0.66	0.46	0.05	0.00	0.00
SK	11.42	1.29	1.35	0.31	6.49	1.99
FI	25.65	6.05	2.03	1.30	15.13	1.14
SE	30.59	4.61	5.71	1.26	17.82	1.20
UK	101.13	21.54	6.07	1.45	67.12	4.96

Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.5 Final Energy

2.5.1 Available for Final Consumption

Mtoe	1995	2000	2005	2010	2012	2013
EU-28	1 185.0	1 235.7	1 304.0	1 270.6	1 204.2	1 204.2
Index 1995	100 %	104 %	110 %	107 %	102 %	102 %
BE	40.04	44.78	44.35	46.70	41.88	44.00
BG	12.93	9.99	10.56	8.79	9.31	8.68
CZ	27.86	27.23	29.24	28.35	26.42	26.24
DK	15.03	15.02	15.47	15.68	14.67	14.51
DE	244.01	247.33	247.12	242.94	232.62	239.49
EE	3.05	2.70	3.00	3.02	2.89	3.05
IE	8.30	11.05	12.02	12.24	11.03	11.20
EL	16.40	19.08	21.39	19.66	18.36	15.68
ES	72.46	88.79	105.95	95.70	88.84	84.64
FR	156.87	166.23	177.21	171.25	164.68	167.28
HR	5.31	6.03	7.02	6.94	6.44	6.35
IT	124.85	133.74	142.62	133.51	127.41	125.36
CY	1.48	1.75	1.80	1.97	1.79	1.63
LV	3.94	3.28	4.11	4.17	4.11	3.96
LT	5.13	4.28	5.39	5.48	6.07	5.74
LU	3.17	3.56	4.53	4.36	4.22	4.16
HU	18.16	17.72	20.35	18.60	16.95	16.60
MT	0.41	0.44	0.40	0.51	0.52	0.49
NL	57.26	61.00	64.77	70.37	66.39	66.45
AT	22.74	25.43	29.90	30.29	29.40	29.86
PL	67.25	58.62	63.03	71.14	67.85	68.73
PT	15.92	20.22	21.69	19.81	17.57	17.23
RO	30.36	25.03	26.87	24.77	24.24	22.82
SI	4.23	4.70	5.23	5.17	4.98	4.93
SK	12.23	12.72	12.84	12.65	11.35	11.96
FI	21.84	24.93	26.54	27.60	26.39	25.02
SE	36.67	36.21	35.23	36.90	35.32	34.49
UK	157.11	163.83	165.36	152.05	142.54	143.65

Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.5.2 Final Energy Consumption

TOTAL

Mtoe	1995	2000	2005	2010	2012	2013
EU-28	1 078.8	1 130.6	1 186.4	1 157.2	1 102.4	1 103.8
Index 1995	100 %	105 %	110 %	107 %	102 %	102 %
BE	34.56	37.77	36.71	37.53	33.83	34.80
BG	11.42	9.11	10.19	8.84	9.24	8.77
CZ	26.09	24.80	26.03	24.85	23.68	23.86
DK	14.82	14.72	15.50	15.61	14.37	14.20
DE	221.62	219.99	218.46	219.72	212.10	217.25
EE	2.56	2.43	2.88	2.91	2.87	2.87
IE	7.99	10.78	12.60	11.96	10.65	10.74
EL	15.81	18.68	20.96	19.00	17.11	15.34
ES	64.03	79.90	97.77	89.08	83.15	81.14
FR	143.48	155.31	160.34	155.40	147.40	152.06
HR	4.49	5.37	6.34	6.35	5.91	5.81
IT	114.58	124.72	134.54	124.78	122.10	118.70
CY	1.43	1.65	1.83	1.93	1.76	1.62
LV	3.85	3.25	4.02	4.12	4.03	3.86
LT	4.60	3.77	4.60	4.76	4.84	4.74
LU	3.11	3.51	4.48	4.33	4.18	4.13
HU	16.23	16.14	18.22	16.60	14.82	15.02
MT	0.46	0.44	0.38	0.49	0.50	0.50
NL	48.02	50.51	51.65	53.94	51.13	51.16
AT	21.36	23.67	28.16	28.41	27.52	27.95
PL	62.94	55.26	58.99	66.35	64.49	63.41
PT	13.85	17.92	19.01	18.10	16.23	15.85
RO	26.97	22.77	24.71	22.59	22.80	21.76
SI	4.09	4.46	4.90	4.94	4.85	4.80
SK	11.03	10.98	11.56	11.55	10.35	10.86
FI	21.78	24.51	25.24	26.24	25.16	24.62
SE	35.05	34.97	33.66	34.08	32.38	31.59
UK	142.7	153.2	152.7	142.7	135.0	136.4

Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.5.2 Final Energy Consumption

BY SECTOR

Mtoe	2013					
	Transport	Households	Industry	Services	Agriculture and Fishing	Other
EU-28	348.5	295.9	276.6	152.5	25.0	5.2
Share (%)	31.6%	26.8%	25.1%	13.8%	2.3%	0.5%
BE	9.76	8.98	10.46	4.84	0.72	0.05
BG	2.78	2.25	2.59	0.96	0.19	0.00
CZ	6.04	6.30	7.53	3.11	0.61	0.27
DK	4.80	4.33	2.24	1.97	0.85	0.01
DE	62.62	59.70	60.74	34.05	0.00	0.15
EE	0.76	0.94	0.65	0.42	0.11	0.00
IE	4.21	2.81	2.18	1.30	0.23	0.00
EL	6.34	3.76	2.84	1.82	0.32	0.26
ES	31.96	15.01	20.98	9.56	2.80	0.83
FR	49.26	43.68	30.03	23.00	4.62	1.47
HR	2.04	1.72	1.12	0.71	0.23	0.00
IT	38.70	34.23	27.00	15.85	2.79	0.14
CY	0.87	0.30	0.19	0.20	0.04	0.02
LV	1.07	1.27	0.77	0.60	0.15	0.00
LT	1.57	1.48	0.98	0.60	0.11	0.01
LU	2.54	0.45	0.54	0.57	0.02	0.00
HU	3.70	4.84	3.52	2.44	0.51	0.01
MT	0.28	0.08	0.04	0.09	0.01	0.00
NL	14.57	10.78	13.58	8.79	3.45	0.00
AT	8.88	6.59	9.28	2.64	0.57	0.00
PL	16.27	20.41	15.10	8.06	3.58	0.00
PT	6.39	2.64	4.59	1.78	0.42	0.03
RO	5.28	7.72	6.31	1.79	0.47	0.19
SI	1.87	1.16	1.20	0.49	0.08	0.02
SK	2.35	2.15	4.27	1.97	0.13	0.00
FI	4.84	5.10	10.79	2.87	0.79	0.22
SE	8.34	7.02	11.46	4.42	0.36	0.00
UK	50.48	40.21	25.71	17.67	0.87	1.50

Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.5.2 Final Energy Consumption

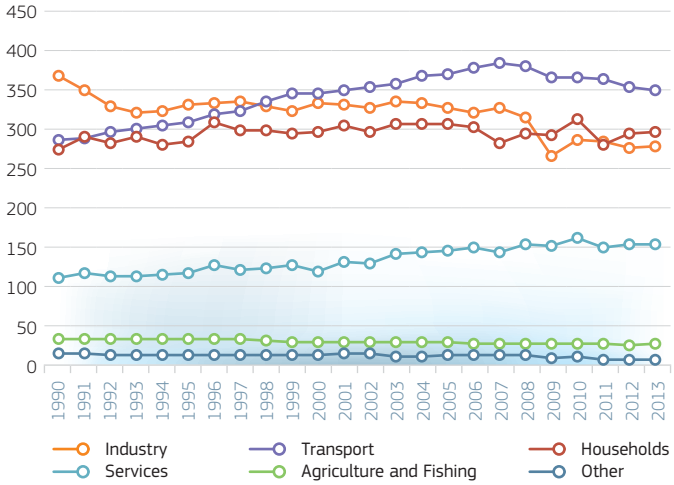
BY FUEL

	2013						
Mtoe	Petroleum and Products	Gases	Electricity	Renewables	Derived Heat	Solid Fuels	Wastes, Non-Renewable
EU-28	425.0	259.8	238.3	82.2	48.0	47.6	2.9
Share (%)	38.5 %	23.5 %	21.6 %	7.4 %	4.3 %	4.3 %	0.3 %
BE	13.92	9.96	6.96	1.73	0.55	1.54	0.14
BG	2.78	1.15	2.37	1.19	0.91	0.37	0.01
CZ	6.14	6.03	4.88	2.12	2.08	2.45	0.16
DK	5.80	1.61	2.71	1.35	2.55	0.16	0.02
DE	83.87	55.23	44.55	12.56	10.39	9.66	1.01
EE	0.95	0.25	0.59	0.48	0.47	0.09	0.06
IE	6.14	1.63	2.08	0.30	0.00	0.56	0.04
EL	8.66	0.91	4.20	1.32	0.04	0.21	0.00
ES	39.34	15.02	19.95	5.28	0.00	1.56	0.00
FR	62.05	33.07	37.89	12.67	2.34	3.91	0.12
HR	2.68	1.00	1.30	0.49	0.23	0.12	0.01
IT	43.76	35.39	24.71	8.50	3.70	2.36	0.28
CY	1.17	0.00	0.34	0.10	0.00	0.00	0.00
LV	1.30	0.34	0.57	1.02	0.52	0.06	0.05
LT	1.63	0.49	0.77	0.73	0.85	0.27	0.00
LU	2.75	0.60	0.54	0.11	0.08	0.05	0.02
HU	4.05	5.42	3.00	1.18	1.03	0.33	0.01
MT	0.33	0.00	0.16	0.01	0.00	0.00	0.00
NL	17.60	20.17	9.13	0.91	1.88	1.46	0.00
AT	10.11	5.05	5.41	4.06	1.93	1.15	0.24
PL	18.70	9.43	10.67	5.62	5.94	12.63	0.43
PT	7.73	1.57	3.89	2.21	0.35	0.02	0.07
RO	6.52	5.88	3.49	3.68	1.41	0.73	0.04
SI	2.28	0.54	1.08	0.64	0.18	0.05	0.03
SK	2.15	3.84	2.16	0.41	0.74	1.46	0.11
FI	7.07	0.90	6.87	5.02	4.06	0.64	0.05
SE	8.63	0.68	10.75	6.03	4.46	1.06	0.00
UK	56.95	43.62	27.30	2.48	1.29	4.77	0.03

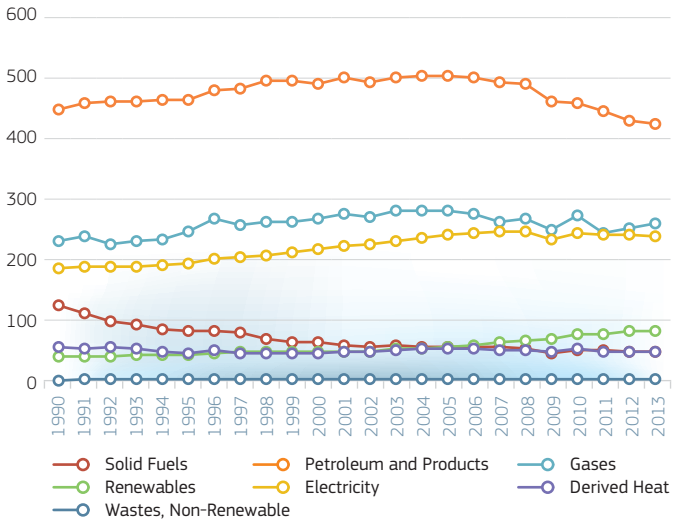
Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.5.2 Final Energy Consumption

BY SECTOR – EU-28 – 1990-2013 (Mtoe)



FINAL ENERGY CONSUMPTION – BY FUEL – 1990-2013 (Mtoe)



Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.5.3 Final Non-Energy Consumption

TOTAL

Mtoe	1995	2000	2005	2010	2012	2013
EU-28	105.5	110.4	115.9	108.1	101.8	99.7
Index 1995	100 %	105 %	110 %	103 %	97 %	95 %
BE	5.82	6.74	7.52	8.54	8.58	9.35
BG	1.23	0.98	0.85	0.42	0.47	0.46
CZ	2.32	2.09	2.95	2.78	2.71	2.60
DK	0.32	0.30	0.29	0.26	0.27	0.28
DE	23.62	25.06	24.66	22.58	21.82	21.73
EE	0.18	0.18	0.23	0.09	0.09	0.17
IE	0.57	0.68	0.52	0.34	0.28	0.29
EL	0.49	0.72	0.76	1.11	0.73	0.65
ES	7.87	9.40	8.35	7.03	5.98	5.02
FR	15.86	16.18	16.70	14.29	14.32	13.54
HR	0.81	0.66	0.68	0.60	0.53	0.54
IT	9.73	8.43	8.61	9.56	7.88	6.34
CY	0.06	0.09	0.07	0.09	0.04	0.03
LV	0.04	0.08	0.10	0.07	0.10	0.11
LT	0.54	0.66	0.80	0.71	1.23	1.01
LU	0.05	0.06	0.03	0.03	0.04	0.04
HU	1.63	1.59	2.17	1.97	1.88	1.77
MT	0.00	0.00	0.02	0.01	0.01	0.01
NL	9.25	10.49	13.01	15.48	14.67	15.23
AT	1.38	1.72	1.72	1.85	1.86	1.91
PL	3.71	4.36	4.57	4.96	4.90	4.95
PT	2.08	2.39	2.59	1.73	1.32	1.36
RO	1.24	1.88	2.47	1.47	1.73	1.46
SI	0.12	0.24	0.31	0.21	0.12	0.12
SK	0.93	1.37	1.28	1.05	0.97	1.07
FI	1.13	1.04	1.16	1.23	1.04	1.13
SE	1.99	1.73	2.29	2.11	1.82	2.07
UK	12.49	11.33	11.21	7.52	6.47	6.51

Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.5.4 Primary Energy Consumption

TOTAL

Mtoe	1995	2000	2005	2010	2012	2013
EU-28	1565.6	1616.4	1708.8	1652.5	1584.2	1566.6
Index 1995	100%	103%	109%	106%	101%	100%
BE	48.12	52.56	51.49	52.81	46.20	47.38
BG	21.46	17.54	18.91	17.35	17.77	16.30
CZ	39.39	39.00	42.17	41.90	40.10	39.59
DK	19.88	19.44	19.27	19.78	17.71	17.82
DE	318.02	317.27	317.25	310.39	296.80	302.54
EE	5.35	4.79	5.39	6.06	6.03	6.53
IE	10.49	13.75	14.75	14.85	13.51	13.45
EL	23.37	27.57	30.65	27.62	26.93	23.71
ES	94.20	114.25	135.87	122.97	121.86	113.76
FR	225.92	241.37	259.97	253.33	244.02	245.76
HR	6.26	7.14	8.21	7.97	7.59	7.29
IT	152.03	165.79	178.86	165.20	158.43	153.67
CY	1.90	2.33	2.47	2.66	2.48	2.16
LV	4.58	3.79	4.50	4.56	4.44	4.36
LT	8.10	6.40	7.91	6.07	5.87	5.68
LU	3.28	3.60	4.77	4.61	4.42	4.30
HU	24.55	23.71	25.44	23.84	21.68	20.97
MT	0.76	0.80	0.95	0.92	0.96	0.83
NL	63.42	65.08	68.46	71.13	67.11	65.94
AT	25.70	27.26	32.64	32.74	31.87	31.85
PL	95.12	84.29	87.65	95.77	92.86	93.21
PT	18.56	22.89	24.89	22.55	21.15	21.25
RO	45.07	34.77	36.74	34.33	33.64	30.89
SI	5.95	6.21	7.02	7.03	6.88	6.76
SK	16.79	16.94	17.75	16.81	15.74	16.19
FI	28.16	31.49	33.37	35.90	33.67	32.80
SE	49.48	47.17	48.70	48.67	47.99	47.07
UK	209.76	219.23	222.80	204.73	196.57	194.55

Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

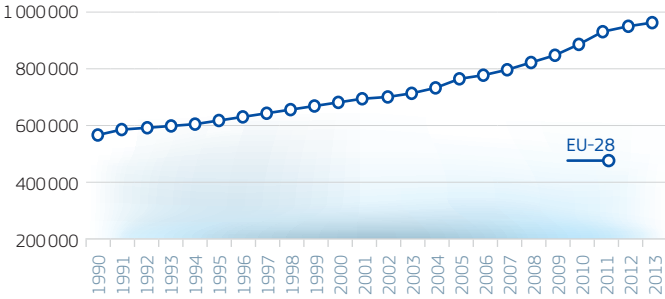
2.6 Electricity

2.6.1 Installed Electricity Capacity

TOTAL

MW	1995	2000	2005	2010	2012	2013
EU-28*	618507	681078	758192	883742	946482	958527
Index 1995	100%	110%	123%	143%	153%	155%
BE	14917	15685	16096	18690	20773	20840
BG	1975	11085	12260	10031	11637	11604
CZ	13803	15323	17406	19829	20447	21079
DK	10841	12316	13035	13438	14075	13547
DE	116226	118884	128612	162698	177291	186117
EE		2800	2559	2751	2923	2910
IE	4060	4711	6175	8310	8588	8796
EL	8942	10904	13306	15312	17751	18855
ES	45621	53924	76574	101788	105171	105838
FR	107616	114665	115925	124531	129347	130112
HR	2072	2079	3866	4121	4222	4312
IT	65923	75510	85498	106488	124234	124750
CY	690	988	1125	1560	1725	1819
LV	2068	2092	2166	2557	2660	2911
LT	5866	5716	4556	3570	4237	4323
LU	1250	1217	1682	1711	1788	1813
HU	7404	8282	8586	8993	9400	8418
MT			571	572	587	603
NL	19034	21062	21800	26686	29920	30532
AT	17394	17802	18898	21187	22917	23592
PL	29482	30559	32257	33360	35283	35815
PT	9384	10908	13374	18932	19752	18905
RO	5998	6120	18951	19912	21767	22948
SI	2518	2614	2992	3193	3351	3434
SK	7238	7454	8257	7873	8412	8513
FI	14434	16261	16468	15537	15758	16704
SE	33625	33724	33390	36454	37843	37915
UK	70125	78393	82378	93658	94623	91522

INSTALLED ELECTRICITY CAPACITY – TOTAL – 1990-2013 (MW)



* No complete EU-28 data available for 1990-2000.

Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.6.1 Installed Electricity Capacity

BY FUEL

	2013						
MW	Installed Electricity Capacity	Combustible Fuels	Hydro	Nuclear	Wind	Solar PV	Other Sources
EU-28	958527	482464	150145	122971	117936	79624	5387
Share (%)	100.0%	50.3%	15.7%	12.8%	12.3%	8.3%	0.6%
BE	20840	8910	1429	5927	1658	2912	4
BG	11604	4701	3202	1982	683	1036	0
CZ	21079	12211	2252	4290	262	2064	0
DK	13547	8157	9	0	4810	571	0
DE	186117	91368	11240	12068	34660	36335	446
EE	2910	2654	8	0	248	0	0
IE	8796	6326	529	0	1941	0	0
EL	18855	11229	3238	0	1809	2579	0
ES	105838	49786	19094	6984	22958	4766	2250
FR	130112	27200	25443	63130	8202	4625	1512
HR	4312	1849	2190	0	254	19	0
IT	124750	74733	22009	0	8542	18420	1046
CY	1819	1637	0	0	147	35	0
LV	2911	1255	1589	0	67	0	0
LT	4323	3075	876	0	279	68	25
LU	1813	526	1134	0	58	95	0
HU	8418	5987	57	2000	329	35	10
MT	603	571	0	0	0	32	0
NL	30532	26520	37	485	2713	739	38
AT	23592	8171	13149	0	1645	626	1
PL	35815	30027	2355	0	3429	2	2
PT	18905	8308	5666	0	4610	296	25
RO	22948	11393	6610	1411	2773	761	0
SI	3434	1256	1299	688	4	187	0
SK	8513	3432	2523	1940	5	588	25
FI	16704	10219	3276	2752	447	10	0
SE	37915	7776	16494	9408	4194	43	0
UK	91522	63187	4437	9906	11209	2780	3

Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.6.1 Installed Electricity Capacity*

RENEWABLES

	2013					
MW	Hydro	Wind	Solar PV	Solar Thermal	Geothermal	Tide, Wave and Ocean
EU-28	150145	117936	79624	2252	781	243
Share (%)	100.0%	78.5%	53.0%	1.5%	0.5%	0.2%
BE	1429	1658	2912	0	0	0
BG	3202	683	1036	0	0	0
CZ	2252	262	2064	0	0	0
DK	9	4810	571	0	0	0
DE	11240	34660	36335	2	24	0
EE	8	248	0	0	0	0
IE	529	1941	0	0	0	0
EL	3238	1809	2579	0	0	0
ES	19094	22958	4766	2250	0	0
FR	25443	8202	4625	0	2	240
HR	2190	254	19	0	0	0
IT	22009	8542	18420	0	729	0
CY	0	147	35	0	0	0
LV	1589	67	0	0	0	0
LT	876	279	68	0	0	0
LU	1134	58	95	0	0	0
HU	57	329	35	0	0	0
MT	0	0	32	0	0	0
NL	37	2713	739	0	0	0
AT	13149	1645	626	0	1	0
PL	2355	3429	2	0	0	0
PT	5666	4610	296	0	25	0
RO	6610	2773	761	0	0	0
SI	1299	4	187	0	0	0
SK	2523	5	588	0	0	0
FI	3276	447	10	0	0	0
SE	16494	4194	43	0	0	0
UK	4437	11209	2780	0	0	3

* Net maximum capacity.

Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.6.2 Gross Electricity Generation

TOTAL

TWh	1995	2000	2005	2010	2012	2013
EU-28	2743.0	3035.2	3325.1	3364.4	3296.6	3261.5
Index 1995	100%	111%	121%	123%	120%	119%
BE	74.41	84.01	87.03	95.12	83.08	83.46
BG	41.79	40.92	44.37	46.65	47.33	43.78
CZ	60.85	73.47	82.58	85.91	87.57	87.07
DK	36.76	36.05	36.25	38.86	30.73	34.75
DE	537.28	576.54	622.58	632.98	629.81	633.16
EE	8.69	8.51	10.21	12.96	11.97	13.28
IE	17.86	23.98	25.97	28.60	27.60	26.12
EL	41.55	53.84	60.02	57.39	60.96	57.15
ES	167.09	224.47	294.08	301.53	297.56	283.57
FR	494.27	539.98	576.23	569.25	565.77	572.52
HR	8.86	10.70	12.46	14.11	10.56	13.43
IT	241.49	276.64	303.70	302.06	299.28	289.81
CY	2.50	3.37	4.38	5.32	4.72	4.29
LV	3.98	4.14	4.91	6.63	6.17	6.21
LT	13.90	11.43	14.78	5.75	5.04	4.76
LU	1.23	1.17	4.13	4.59	3.82	2.89
HU	34.02	35.19	35.76	37.37	34.63	30.27
MT	1.63	1.92	2.24	2.11	2.29	2.25
NL	80.93	89.63	100.22	118.14	102.51	100.88
AT	56.23	61.26	66.41	71.13	72.62	68.30
PL	139.01	145.18	156.94	157.66	162.14	164.56
PT	33.27	43.76	46.58	54.09	46.61	51.67
RO	59.27	51.93	59.41	60.98	59.05	58.89
SI	12.91	13.62	15.12	16.43	15.73	16.09
SK	26.77	31.16	31.46	27.86	28.66	28.83
FI	64.04	69.97	70.57	80.67	70.40	71.25
SE	148.35	145.27	158.44	148.56	166.56	153.17
UK	334.04	377.07	398.36	381.71	363.41	359.15

Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.6.2 Gross Electricity Generation

BY FUEL

	2013						
TWh	Gross Electricity Generation	Solid Fuels	Nuclear	Renewables	Gases	Petroleum and Products	Wastes non-RES
EU-28	3.261.5	871.8	876.8	886.0	540.4	61.3	20.7
Share (%)	100.0 %	26.7 %	26.9 %	27.2 %	16.6 %	1.9 %	0.6 %
BE	83.46	3.01	42.64	12.91	23.07	0.16	1.36
BG	43.78	19.39	14.17	7.64	2.34	0.23	0.00
CZ	87.07	41.71	30.75	10.21	4.29	0.05	0.06
DK	34.75	14.29	0.00	15.99	3.40	0.35	0.72
DE	633.16	282.63	97.29	158.15	79.55	7.20	6.58
EE	13.28	11.49	0.00	1.22	0.37	0.13	0.06
IE	26.12	7.24	0.00	5.95	12.67	0.20	0.06
EL	57.15	26.41	0.00	14.39	10.86	5.41	0.09
ES	283.57	41.03	56.73	112.96	58.49	13.76	0.60
FR	572.52	21.94	423.69	101.68	20.05	2.49	1.99
HR	13.43	2.42	0.00	8.76	2.02	0.23	0.00
IT	289.81	45.11	0.00	113.91	112.26	15.48	2.29
CY	4.29	0.00	0.00	0.33	0.00	3.96	0.00
LV	6.21	0.00	0.00	3.53	2.67	0.00	0.00
LT	4.76	0.00	0.00	2.07	2.22	0.21	0.03
LU	2.89	0.00	0.00	1.41	1.42	0.00	0.06
HU	30.27	6.30	15.37	2.79	5.62	0.06	0.10
MT	2.25	0.00	0.00	0.04	0.00	2.22	0.00
NL	100.88	24.61	2.89	12.21	58.09	1.25	1.70
AT	68.30	4.20	0.00	54.11	8.55	0.69	0.73
PL	164.56	137.72	0.00	17.63	7.29	1.78	0.03
PT	51.67	11.84	0.00	30.61	7.23	1.70	0.30
RO	58.89	16.94	11.62	20.50	9.27	0.56	0.00
SI	16.09	4.88	5.30	5.39	0.51	0.01	0.01
SK	28.83	3.07	15.72	6.67	2.85	0.43	0.02
FI	71.25	13.86	23.61	25.61	7.30	0.23	0.34
SE	153.17	0.98	66.46	82.82	1.20	0.41	1.29
UK	359.15	130.77	70.61	56.57	96.78	2.14	2.30

Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.6.2 Gross Electricity Generation

RENEWABLES

	2013						
TWh	Renewables	Hydro	Wind	Biomass and Renewable	Solar	Geothermal	Tide, Wave and Ocean
EU-28	886.0	402.2	235.0	157.3	85.3	5.9	0.4
Share (%)	100.0 %	45.4 %	26.5 %	17.7 %	9.6 %	0.7 %	0.0 %
BE	12.91	1.72	3.64	4.91	2.64	0.00	0.00
BG	7.64	4.80	1.37	0.11	1.36	0.00	0.00
CZ	10.21	3.64	0.48	4.06	2.03	0.00	0.00
DK	15.99	0.01	11.12	4.34	0.52	0.00	0.00
DE	158.15	28.78	51.71	46.57	31.01	0.08	0.00
EE	1.22	0.03	0.53	0.67	0.00	0.00	0.00
IE	5.95	0.92	4.54	0.49	0.00	0.00	0.00
EL	14.39	6.38	4.14	0.22	3.65	0.00	0.00
ES	112.96	41.07	53.90	5.29	12.69	0.00	0.00
FR	101.68	75.64	16.03	4.93	4.66	0.00	0.41
HR	8.76	8.11	0.52	0.13	0.01	0.00	0.00
IT	113.91	54.67	14.90	17.09	21.59	5.66	0.00
CY	0.33	0.00	0.23	0.05	0.05	0.00	0.00
LV	3.53	2.91	0.12	0.50	0.00	0.00	0.00
LT	2.07	1.07	0.60	0.36	0.05	0.00	0.00
LU	1.41	1.16	0.08	0.09	0.07	0.00	0.00
HU	2.79	0.21	0.72	1.83	0.03	0.00	0.00
MT	0.04	0.00	0.00	0.01	0.03	0.00	0.00
NL	12.21	0.11	5.63	5.96	0.52	0.00	0.00
AT	54.11	45.74	3.15	4.64	0.58	0.00	0.00
PL	17.63	3.00	6.00	8.62	0.00	0.00	0.00
PT	30.61	14.87	12.01	3.05	0.48	0.20	0.00
RO	20.50	15.31	4.52	0.25	0.42	0.00	0.00
SI	5.39	4.91	0.00	0.26	0.22	0.00	0.00
SK	6.67	5.17	0.01	0.91	0.59	0.00	0.00
FI	25.61	12.84	0.77	11.99	0.01	0.00	0.00
SE	82.82	61.50	9.84	11.45	0.04	0.00	0.00
UK	56.57	7.60	28.43	18.50	2.04	0.00	0.01

Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.6.2 Gross Electricity Generation

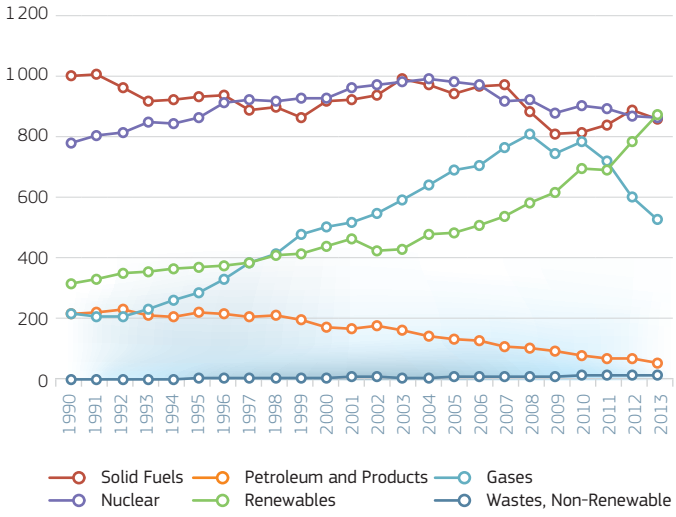
BY FUEL – EU-28

Share of Total (%)	Solid Fuels	Nuclear	Renewables	Gases	Petroleum and Products
1990	39.3	30.6	12.6	8.6	8.6
1991	38.7	31.1	12.9	8.2	8.8
1992	37.2	31.5	13.6	8.1	9.2
1993	35.5	32.8	13.9	9.1	8.3
1994	35.1	32.2	14.1	10.1	8.1
1995	34.5	32.1	13.9	10.7	8.4
1996	33.6	32.5	13.5	12.0	8.0
1997	31.6	32.8	13.9	13.8	7.5
1998	31.2	31.9	14.3	14.6	7.5
1999	29.8	31.9	14.4	16.6	6.9
2000	30.8	31.1	14.8	16.9	6.0
2001	30.2	31.4	15.3	17.0	5.6
2002	30.4	31.5	13.9	17.7	5.9
2003	31.1	30.8	13.6	18.7	5.3
2004	29.8	30.5	14.8	19.8	4.5
2005	28.9	30.0	14.9	21.2	4.3
2006	29.2	29.4	15.5	21.3	4.0
2007	29.1	27.6	16.2	23.0	3.4
2008	26.6	27.7	17.6	24.4	3.2
2009	25.5	27.8	19.5	23.5	3.1
2010	24.7	27.2	21.1	23.7	2.6
2011	25.8	27.5	21.4	22.3	2.2
2012	27.4	26.8	24.2	18.7	2.2
2013	26.7	26.9	27.2	16.6	1.9

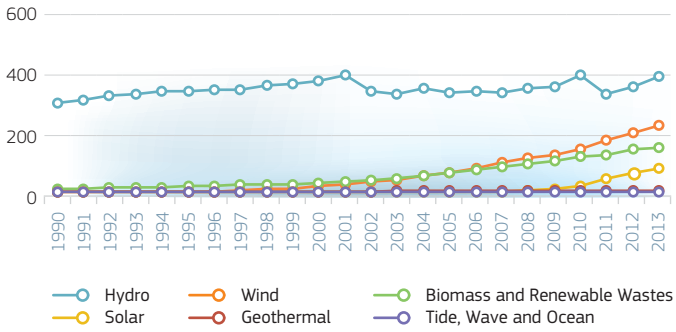
Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.6.2 Gross Electricity Generation

BY FUEL – EU-28 – 1990-2013 (TWh)



GROSS ELECTRICITY GENERATION – EU-28 – RENEWABLES – 1990-2013 (TWh)



Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.6.3 Market Share of the Largest Electricity Producer

%	1999	2000	2005	2010	2012	2013
BE	92.3	91.1	85.0	79.1	65.8	67.0
BG						
CZ	71.0	69.2	72.0	73.0	68.0	58.2
DK	40.0	36.0	33.0	46.0	37.0	41.0
DE	28.1	34.0	31.0	28.4		32.0
EE	93.0	91.0	92.0	89.0	88.0	87.0
IE	97.0	97.0	71.0	34.0	55.0	54.0
EL	98.0	97.0	97.0	85.1	77.0	70.0
ES	51.8	42.4	35.0	24.0	23.8	24.5
FR	93.8	90.2	89.1	86.5	86.0	83.8
HR			87.0	88.0	82.0	84.0
IT	71.1	46.7	38.6	28.0	26.0	27.0
CY	99.7	99.6	100.0	100.0	100.0	100.0
LV	96.5	95.8	92.7	88.0	89.0	79.8
LT	73.7	72.8	70.3	35.4	30.4	24.4
LU				85.4	81.8	70.4
HU	38.9	41.3	38.7	42.1	47.1	51.9
MT	100.0	100.0	100.0	100.0	100.0	100.0
NL						
AT	21.4	32.6			56.6	55.5
PL	20.8	19.5	18.5	17.4	16.4	17.3
PT	57.8	58.5	53.9	47.2	37.2	45.8
RO			36.4	33.6	26.7	26.8
SI			50.1	56.3	55.2	57.1
SK	83.6	85.1	83.6	80.9	78.9	83.8
FI	26.0	23.3	23.0	26.6	25.2	25.3
SE	52.8	49.5	47.0	42.0	44.0	44.8
UK	21.0	20.6	20.5	21.0	51.7	29.3

Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

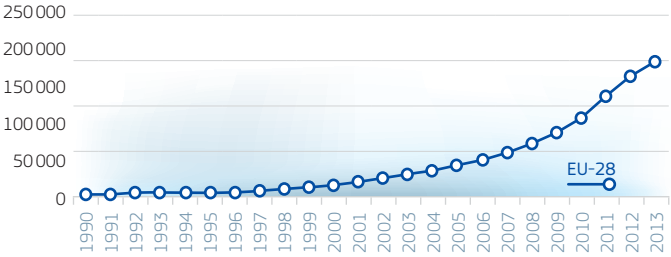
2.7 Solar and Wind Energy

2.7.1 Cumulative Solar and Wind Capacity

TOTAL

MW	1995	2000	2005	2010	2012	2013
EU-28	2496	12891	42866	114755	177210	199812
BE	5	14	169	1816	3951	4570
BG	0	0	8	513	1690	1719
CZ	0	1	23	1940	2280	2326
DK	617	2391	3130	3809	4565	5381
DE	1155	6209	20431	44734	63947	70997
EE	0	0	31	108	266	248
IE	6	119	517	1374	1764	1941
EL	27	226	492	1500	3289	4388
ES	105	2218	9978	25346	29435	29974
FR	5	45	873	7005	11575	12827
HR	0	0	6	79	184	273
IT	38	382	1669	9264	24522	26962
CY	0	0	1	89	164	182
LV	1	2	26	30	59	67
LT	0	0	1	133	282	347
LU	0	14	59	73	132	153
HU	0	0	17	295	337	364
MT	0	0	0	1	16	32
NL	252	460	1275	2325	2798	3452
AT	1	55	808	1135	1679	2271
PL	0	4	121	1108	2565	3431
PT	8	84	1066	3930	4650	4906
RO	0	0	1	389	1863	3534
SI	0	0	0	12	142	191
SK	0	0	5	22	516	593
FI	7	41	86	205	266	457
SE	69	212	497	2030	3631	4237
UK	200	414	1576	5490	10642	13989

CUMULATIVE SOLAR AND WIND CAPACITY – TOTAL – 1990-2013 (MW)



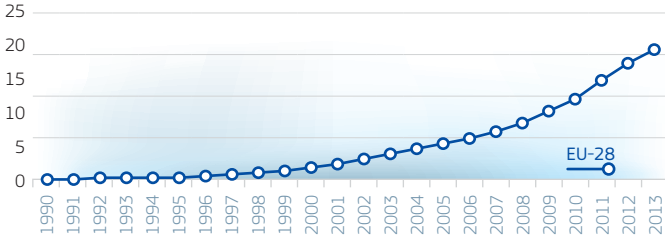
Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.7.1 Cumulative Solar and Wind Capacity

SHARE OF TOTAL

%	1995	2000	2005	2010	2012	2013
EU-28	0.4	1.9	5.7	13.0	18.7	20.8
BE	0.03	0.09	1.05	9.72	19.02	21.93
BG			0.07	5.11	14.52	14.81
CZ		0.01	0.13	9.78	11.15	11.03
DK	5.69	19.41	24.01	28.34	32.43	39.72
DE	0.99	5.22	15.89	27.50	36.07	38.15
EE			1.21	3.93	9.10	8.52
IE	0.15	2.53	8.37	16.53	20.54	22.07
EL	0.30	2.07	3.70	9.80	18.53	23.27
ES	0.23	4.11	13.03	24.90	27.99	28.32
FR	0.00	0.04	0.75	5.63	8.95	9.86
HR	0.00	0.00	0.16	1.92	4.36	6.33
IT	0.06	0.51	1.95	8.70	19.74	21.61
CY			0.09	5.71	9.51	10.01
LV	0.05	0.10	1.20	1.17	2.22	2.30
LT			0.02	3.73	6.66	8.03
LU		1.15	3.51	4.27	7.38	8.44
HU			0.20	3.28	3.59	4.32
MT						
NL	1.32	2.18	5.85	8.71	9.35	11.31
AT	0.01	0.31	4.28	5.36	7.33	9.63
PL		0.01	0.38	3.32	7.27	9.58
PT	0.09	0.77	7.97	20.76	23.54	25.95
RO				1.95	8.56	15.40
SI				0.38	4.24	5.56
SK			0.06	0.28	6.13	6.97
FI	0.05	0.25	0.52	1.32	1.69	2.74
SE	0.21	0.63	1.49	5.57	9.59	11.17
UK	0.29	0.53	1.91	5.86	11.25	15.28

CUMULATIVE SOLAR AND WIND CAPACITY – SHARE OF TOTAL – 1990-2013 (%)



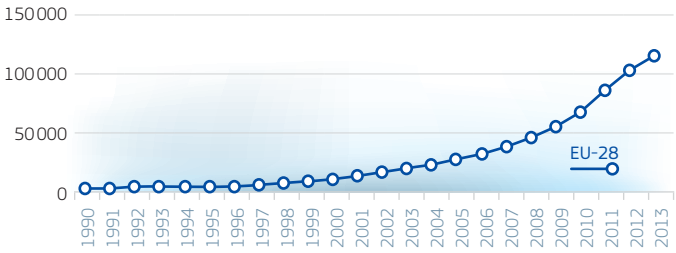
Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.7.2 Wind Cumulative Installed Capacity

TOTAL

MW	1995	2000	2005	2010	2012	2013
EU-28	2447	12711	40569	84624	106421	117936
BE	5	14	167	912	1370	1658
BG	0	0	8	488	677	683
CZ	0	1	22	213	258	262
DK	617	2390	3127	3802	4163	4810
DE	1137	6095	18375	27180	31304	34660
EE	0	0	31	108	266	248
IE	6	119	517	1374	1764	1941
EL	27	226	491	1298	1753	1809
ES	98	2206	9918	20693	22789	22958
FR	3	38	860	5975	7622	8202
HR	0	0	6	79	180	254
IT	22	363	1635	5794	8102	8542
CY	0	0	0	82	147	147
LV	1	2	26	30	59	67
LT	0	0	1	133	275	279
LU	0	14	35	44	58	58
HU	0	0	17	293	325	329
MT	0	0	0	0	0	0
NL	250	447	1224	2237	2433	2713
AT	0	50	778	981	1316	1645
PL	0	4	121	1108	2564	3429
PT	8	83	1064	3796	4412	4610
RO	0	0	1	389	1822	2773
SI	0	0	0	0	0	4
SK	0	0	5	3	3	5
FI	6	38	82	197	257	447
SE	67	209	493	2019	3607	4194
UK	200	412	1565	5396	8895	11209

WIND CUMULATIVE INSTALLED CAPACITY – TOTAL – 1990-2013 (MW)



Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.7.2 Wind Cumulative Installed Capacity

SHARE OF TOTAL

%	1995	2000	2005	2010	2012	2013
EU-28	0.4	1.9	5.4	9.6	11.2	12.3
BE	0.0	0.1	1.0	4.9	6.6	8.0
BG			0.1	4.9	5.8	5.9
CZ		0.0	0.1	1.1	1.3	1.2
DK	5.7	19.4	24.0	28.3	29.6	35.5
DE	1.0	5.1	14.3	16.7	17.7	18.6
EE			1.2	3.9	9.1	8.5
IE	0.1	2.5	8.4	16.5	20.5	22.1
EL	0.3	2.1	3.7	8.5	9.9	9.6
ES	0.2	4.1	13.0	20.3	21.7	21.7
FR	0.0	0.0	0.7	4.8	5.9	6.3
HR	0.0	0.0	0.2	1.9	4.3	5.9
IT	0.0	0.5	1.9	5.4	6.5	6.8
CY					8.5	8.1
LV	0.0	0.1	1.2	1.2	2.2	2.3
LT			0.0	3.7	6.5	6.5
LU		1.2	2.1	2.6	3.2	3.2
HU			0.2	3.3	3.5	3.9
MT						
NL	1.3	2.1	5.6	8.4	8.1	8.9
AT		0.3	4.1	4.6	5.7	7.0
PL		0.0	0.4	3.3	7.3	9.6
PT	0.1	0.8	8.0	20.1	22.3	24.4
RO				2.0	8.4	12.1
SI						
SK			0.1	0.0	0.0	0.1
FI	0.0	0.2	0.5	1.3	1.6	2.7
SE	0.2	0.6	1.5	5.5	9.5	11.1
UK	0.3	0.5	1.9	5.8	9.4	12.2

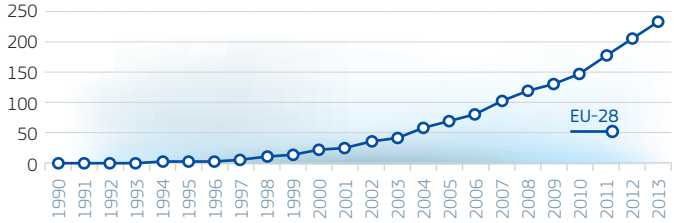
Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.7.3 Wind Gross Electricity Production

TOTAL

TWh	1995	2000	2005	2010	2012	2013
EU-28	4.1	22.3	70.5	149.3	206.0	235.0
BE	0.0	0.0	0.2	1.3	2.8	3.6
BG	0.0	0.0	0.0	0.7	1.2	1.4
CZ	0.0	0.0	0.0	0.3	0.4	0.5
DK	1.2	4.2	6.6	7.8	10.3	11.1
DE	1.7	9.4	27.2	37.8	50.7	51.7
EE	0.0	0.0	0.1	0.3	0.4	0.5
IE	0.0	0.2	1.1	2.8	4.0	4.5
EL	0.0	0.5	1.3	2.7	3.9	4.1
ES	0.3	4.7	21.2	44.3	49.5	53.9
FR	0.0	0.1	1.0	9.9	15.0	16.0
HR	0.0	0.0	0.0	0.1	0.3	0.5
IT	0.0	0.6	2.3	9.1	13.4	14.9
CY	0.0	0.0	0.0	0.0	0.2	0.2
LV	0.0	0.0	0.0	0.0	0.1	0.1
LT	0.0	0.0	0.0	0.2	0.5	0.6
LU	0.0	0.0	0.1	0.1	0.1	0.1
HU	0.0	0.0	0.0	0.5	0.8	0.7
MT	0.0	0.0	0.0	0.0	0.0	0.0
NL	0.3	0.8	2.1	4.0	5.0	5.6
AT	0.0	0.1	1.3	2.1	2.5	3.2
PL	0.0	0.0	0.1	1.7	4.7	6.0
PT	0.0	0.2	1.8	9.2	10.3	12.0
RO	0.0	0.0	0.0	0.3	2.6	4.5
SI	0.0	0.0	0.0	0.0	0.0	0.0
SK	0.0	0.0	0.0	0.0	0.0	0.0
FI	0.0	0.1	0.2	0.3	0.5	0.8
SE	0.1	0.5	0.9	3.5	7.2	9.8
UK	0.4	0.9	2.9	10.2	19.7	28.4

WIND GROSS ELECTRICITY PRODUCTION – TOTAL – 1990-2013 (TWh)



Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.7.3 Wind Gross Electricity Production

PENETRATION LEVEL

%	1995	2000	2005	2010	2012	2013
EU-28	0.1	0.7	2.1	4.4	6.2	7.2
BE	0.0	0.0	0.3	1.4	3.3	4.4
BG			0.0	1.5	2.6	3.1
CZ			0.0	0.4	0.5	0.6
DK	3.2	11.8	18.2	20.1	33.4	32.0
DE	0.3	1.6	4.4	6.0	8.0	8.2
EE			0.5	2.1	3.6	4.0
IE	0.1	1.0	4.3	9.8	14.5	17.4
EL	0.1	0.8	2.1	4.7	6.3	7.2
ES	0.2	2.1	7.2	14.7	16.6	19.0
FR	0.0	0.0	0.2	1.7	2.7	2.8
HR	0.0	0.0	0.1	1.0	3.1	3.8
IT	0.0	0.2	0.8	3.0	4.5	5.1
CY					3.9	5.4
LV		0.1	1.0	0.7	1.8	1.9
LT			0.0	3.9	10.7	12.7
LU		2.3	1.3	1.2	2.0	2.9
HU			0.0	1.4	2.2	2.4
MT						
NL	0.4	0.9	2.1	3.4	4.9	5.6
AT	0.0	0.1	2.0	2.9	3.4	4.6
PL	0.0	0.0	0.1	1.1	2.9	3.6
PT	0.0	0.4	3.8	17.0	22.0	23.3
RO				0.5	4.5	7.7
SI						
SK			0.0	0.0	0.0	0.0
FI	0.0	0.1	0.2	0.4	0.7	1.1
SE	0.1	0.3	0.6	2.4	4.3	6.4
UK	0.1	0.3	0.7	2.7	5.4	7.9

Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.7.4 Wind Capacity Factor

ANNUAL AVERAGE

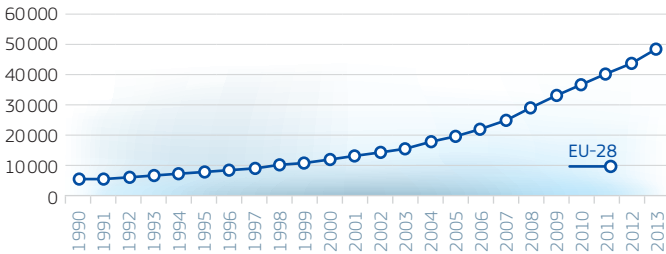
%	1995	2000	2005	2010	2012	2013
EU-28	19.0	20.0	19.8	20.1	22.1	22.7
BE	20.5	13.0	15.5	16.2	22.9	25.0
BG			7.1	15.9	20.6	22.9
CZ			10.9	17.9	18.4	20.9
DK	21.8	20.2	24.1	23.4	28.1	26.4
DE	17.2	17.5	16.9	15.9	18.5	17.0
EE			19.9	29.3	18.6	24.3
IE	30.4	23.4	24.5	23.4	25.9	26.7
EL	14.4	22.8	29.4	23.9	25.1	26.1
ES	31.4	24.4	24.4	24.4	24.8	26.8
FR	19.0	23.1	12.8	19.0	22.5	22.3
HR	0.0	0.0	19.0	20.1	20.9	23.2
IT	4.7	17.7	16.4	18.0	18.9	19.9
CY					14.4	17.9
LV		22.8	20.6	18.6	22.0	20.4
LT			22.8	19.2	22.4	24.7
LU		22.0	16.9	14.3	15.1	16.3
HU			6.7	20.8	27.0	24.9
MT						
NL	14.5	21.2	19.3	20.4	23.4	23.7
AT		15.3	19.5	24.0	21.3	21.9
PL		14.3	12.7	17.1	21.1	20.0
PT	22.8	23.1	19.0	27.6	26.5	29.7
RO				9.0	16.5	18.6
SI						
SK			13.7	22.8	22.8	13.7
FI	20.9	23.4	23.7	17.0	21.9	19.8
SE	16.9	24.9	21.7	19.8	22.7	26.8
UK	22.3	26.2	21.2	21.5	25.2	28.9

Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.7.5 Solar Collectors' Surface

1000 m²	1995	2000	2005	2010	2012	2013
EU-28	6566	11110	18842	37253	44469	49337
BE	36	41	77	371	527	577
BG	0	0	0	194	256	309
CZ	0	0	85	309	425	470
DK	144	237	279	474	668	868
DE	1166	3251	7099	14044	16309	17222
EE	0	0	0	0	0	0
IE	2	4	13	185	251	278
EL	2101	2941	3047	4100	4122	4181
ES	319	403	797	2373	2855	3088
FR	598	513	583	1447	1762	1916
HR	0	0	0	92	125	143
IT	174	271	680	2415	3018	3318
CY	0	0	730	909	959	977
LV	0	0	0	0	0	0
LT	0	0	0	0	0	0
LU	0	0	6	28	38	48
HU	27	36	45	140	150	158
MT	0	0	0	44	44	44
NL	162	360	620	811	865	880
AT	1241	2202	3083	4441	4929	5058
PL	0	0	95	656	1200	1470
PT	200	238	289	752	967	1024
RO	0	0	0	0	59	1087
SI	0	0	0	0	0	0
SK	0	0	64	123	154	160
FI	7	10	16	31	37	41
SE	135	207	371	510	322	475
UK	254	396	863	2804	4427	5545

SOLAR COLLECTORS' SURFACE – TOTAL – 1990-2013 (1 000 m²)



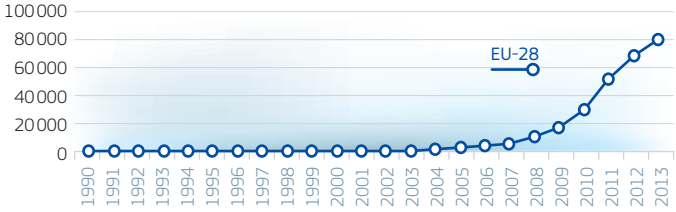
Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.7.6 Solar Installed Capacity

TOTAL

MW	1995	2000	2005	2010	2012	2013
EU-28	49	180	2297	30131	70789	81876
BE	0	0	2	904	2581	2912
BG	0	0	0	25	1013	1036
CZ	0	0	1	1727	2022	2064
DK	0	1	3	7	402	571
DE	18	114	2056	17554	32643	36337
EE	0	0	0	0	0	0
IE	0	0	0	0	0	0
EL	0	0	1	202	1536	2579
ES	7	12	60	4653	6646	7016
FR	2	7	13	1030	3953	4625
HR	0	0	0	0	4	19
IT	16	19	34	3470	16420	18420
CY	0	0	1	7	17	35
LV	0	0	0	0	0	0
LT	0	0	0	0	7	68
LU	0	0	24	29	74	95
HU	0	0	0	2	12	35
MT	0	0	0	1	16	32
NL	2	13	51	88	365	739
AT	1	5	30	154	363	626
PL	0	0	0	0	1	2
PT	0	1	2	134	238	296
RO	0	0	0	0	41	761
SI	0	0	0	12	142	187
SK	0	0	0	19	513	588
FI	1	3	4	8	9	10
SE	2	3	4	11	24	43
UK	0	2	11	94	1747	2780

SOLAR INSTALLED CAPACITY – TOTAL – 1990-2013 (MW)



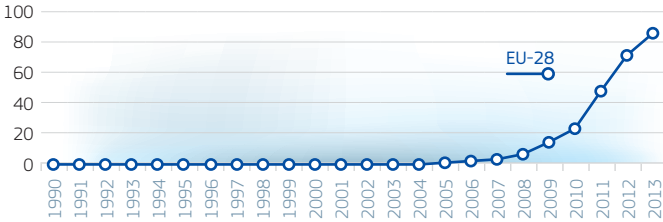
Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.7.7 Solar Gross Electricity Production

TOTAL

TWh	1995	2000	2005	2010	2012	2013
EU-28	0.0	0.1	1.5	23.3	71.2	85.3
BE	0.0	0.0	0.0	0.6	2.1	2.6
BG	0.0	0.0	0.0	0.0	0.8	1.4
CZ	0.0	0.0	0.0	0.6	2.1	2.0
DK	0.0	0.0	0.0	0.0	0.1	0.5
DE	0.0	0.1	1.3	11.7	26.4	31.0
EE	0.0	0.0	0.0	0.0	0.0	0.0
IE	0.0	0.0	0.0	0.0	0.0	0.0
EL	0.0	0.0	0.0	0.2	1.7	3.6
ES	0.0	0.0	0.0	7.2	12.0	12.7
FR	0.0	0.0	0.0	0.6	4.0	4.7
HR	0.0	0.0	0.0	0.0	0.0	0.0
IT	0.0	0.0	0.0	1.9	18.9	21.6
CY	0.0	0.0	0.0	0.0	0.0	0.0
LV	0.0	0.0	0.0	0.0	0.0	0.0
LT	0.0	0.0	0.0	0.0	0.0	0.0
LU	0.0	0.0	0.0	0.0	0.0	0.1
HU	0.0	0.0	0.0	0.0	0.0	0.0
MT	0.0	0.0	0.0	0.0	0.0	0.0
NL	0.0	0.0	0.0	0.1	0.3	0.5
AT	0.0	0.0	0.0	0.1	0.3	0.6
PL	0.0	0.0	0.0	0.0	0.0	0.0
PT	0.0	0.0	0.0	0.2	0.4	0.5
RO	0.0	0.0	0.0	0.0	0.0	0.4
SI	0.0	0.0	0.0	0.0	0.2	0.2
SK	0.0	0.0	0.0	0.0	0.4	0.6
FI	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0
UK	0.0	0.0	0.0	0.0	1.4	2.0

SOLAR GROSS ELECTRICITY PRODUCTION – TOTAL – 1990-2013 (TWh)



Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.7.8 Solar Penetration Level

IN TOTAL GROSS ELECTRICITY GENERATION

%	1995	2000	2005	2010	2012	2013
EU-28	0.0	0.0	0.0	0.7	2.2	2.6
BE	0.0	0.0	0.0	0.6	2.6	3.2
BG	0.0	0.0	0.0	0.0	1.7	3.1
CZ	0.0	0.0	0.0	0.7	2.5	2.3
DK	0.0	0.0	0.0	0.0	0.3	1.5
DE	0.0	0.0	0.2	1.9	4.2	4.9
EE	0.0	0.0	0.0	0.0	0.0	0.0
IE	0.0	0.0	0.0	0.0	0.0	0.0
EL	0.0	0.0	0.0	0.3	2.8	6.4
ES	0.0	0.0	0.0	2.4	4.0	4.5
FR	0.0	0.0	0.0	0.1	0.7	0.8
HR	0.0	0.0	0.0	0.0	0.0	0.1
IT	0.0	0.0	0.0	0.6	6.3	7.4
CY	0.0	0.0	0.0	0.1	0.5	1.1
LV	0.0	0.0	0.0	0.0	0.0	0.0
LT	0.0	0.0	0.0	0.0	0.0	0.9
LU	0.0	0.0	0.4	0.5	1.0	2.6
HU	0.0	0.0	0.0	0.0	0.0	0.1
MT	0.0	0.0	0.0	0.0	0.7	1.4
NL	0.0	0.0	0.0	0.1	0.2	0.5
AT	0.0	0.0	0.0	0.1	0.5	0.9
PL	0.0	0.0	0.0	0.0	0.0	0.0
PT	0.0	0.0	0.0	0.4	0.8	0.9
RO	0.0	0.0	0.0	0.0	0.0	0.7
SI	0.0	0.0	0.0	0.1	1.0	1.3
SK	0.0	0.0	0.0	0.1	1.5	2.0
FI	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0
UK	0.0	0.0	0.0	0.0	0.4	0.6

Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.8 CHP

2.8.1 CHP Electricity

GENERATION AND CAPACITY

	CHP Electricity Generation			CHP Electrical Capacity		
	TWh			GW		
	2005	2012	2013	2005	2012	2013
EU-28	363.6	386.7	382.0	99.3	111.4	113.0
BE	7.4	12.9	12.7	1.9	2.3	2.3
BG	2.7	2.8	3.7	1.2	1.2	1.2
CZ	13.9	11.5	12.0	5.2	4.6	4.6
DK	18.9	15.0	17.6	5.7	5.7	5.9
DE	77.9	79.3	78.7	20.8	26.9	27.3
EE	1.0	1.2	1.2	0.4	0.5	0.5
IE	0.6	2.1	2.0	0.1	0.3	0.3
EL	1.0	2.4	1.9	0.2	0.6	0.6
ES	22.9	26.4	24.1	3.1	4.0	3.4
FR	23.2	15.2	13.9	6.6	5.5	4.8
HR	0.0	2.1	1.7	0.0	0.7	0.7
IT	27.4	35.8	36.7	5.9	7.6	8.3
CY	0.0	0.0	0.1	0.0	0.0	0.0
LV	1.5	2.1	2.4	0.6	1.0	1.2
LT	2.3	1.8	1.7	1.0	1.2	1.2
LU	0.4	0.4	0.4	0.1	0.5	0.5
HU	6.8	4.6	3.9	2.0	1.6	1.7
MT	0.0	0.0	0.0	0.0	0.0	0.0
NL	29.5	34.5	34.8	7.2	9.2	9.4
AT	7.7	10.4	9.9	2.2	4.4	5.6
PL	26.3	27.0	26.1	8.3	8.3	8.3
PT	5.4	6.5	7.2	1.1	1.5	1.4
RO	15.5	6.7	6.6	5.2	2.2	2.1
SI	1.1	1.2	1.2	0.3	0.3	0.4
SK	4.8	22.5	22.2	5.4	4.4	4.4
FI	27.5	24.3	24.3	5.8	6.3	6.1
SE	10.7	15.9	15.6	3.5	4.5	4.8
UK	27.2	21.9	19.7	5.4	6.2	6.2

Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.8.2 CHP Heat

PRODUCTION AND CAPACITY

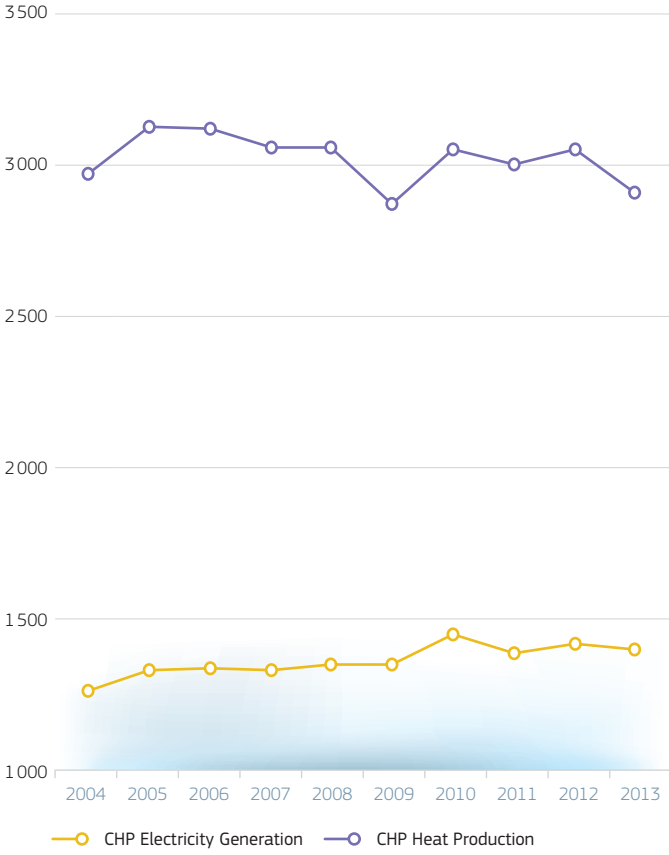
	CHP Heat Production			CHP Heat Capacity*		
	PJ			GW		
	2005	2012	2013	2009	2012	2013
EU-28	3116.7	3041.1	2899.6	296.0	284.7	279.7
BE	75.9	88.4	27.1	4.9	5.3	5.3
BG	50.4	41.6	40.4	5.8	4.1	4.1
CZ	150.7	126.6	120.9	19.0	20.8	21.0
DK	119.0	104.2	103.1	10.3	9.7	9.8
DE	652.5	648.3	654.0	50.1	66.1	73.1
EE	11.5	11.1	12.6	1.5	1.6	1.4
IE	4.4	12.5	12.4	0.7	0.7	0.7
EL	9.7	13.0	10.5	0.8	0.9	0.8
ES	192.5	219.1	174.9	10.8	17.2	5.6
FR	209.2	150.9	150.7	14.9	15.3	12.1
HR	0.0	14.0	13.3	1.5	1.7	1.7
IT	193.1	203.2	212.8	57.9	13.8	16.3
CY	0.1	0.0	0.2	0.0	0.0	0.0
LV	11.9	8.8	11.3	0.4	1.0	3.3
LT	19.9	15.4	15.3	2.4	2.4	2.4
LU	1.2	3.2	3.4	0.0	0.9	0.9
HU	47.4	26.0	27.0	3.4	3.0	3.2
MT	0.0	0.0	0.0	0.0	0.0	0.0
NL	220.3	224.6	217.9	19.2	18.9	18.3
AT	100.1	111.8	110.8	10.2	11.3	9.2
PL	275.4	260.6	257.4	24.8	24.6	24.6
PT	59.6	66.9	68.4	5.0	4.9	4.8
RO	95.4	66.1	57.9	10.3	10.5	10.1
SI	15.0	10.7	10.8	0.8	0.8	0.7
SK	33.7	28.8	27.8	9.4	15.7	15.5
FI	250.0	256.8	251.2	15.7	16.1	15.8
SE	132.7	173.8	165.1	8.8	9.8	11.4
UK	185.2	154.5	142.5	7.4	7.5	7.7

* Data on heat capacity before 2009 is not consistent across the EU-28.

Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.8.3 CHP Electricity and Heat

CHP ELECTRICITY AND HEAT GENERATION
EU-28 (PJ – GCV)



Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.9 Heat*

2.9.1 Gross Heat Generation

TOTAL

PJ (GCV)	1995	2000	2005	2010	2012	2013
EU-28	2264.3	2169.4	2592.4	2672.9	2479.6	2453.3
Index 1995	100%	96%	114%	118%	110%	108%
BE	10.0	23.2	22.4	38.3	37.0	36.1
BG	133.5	50.8	52.1	59.4	57.8	53.0
CZ	175.9	139.2	139.2	130.3	124.1	121.2
DK	119.1	119.2	129.0	152.1	137.1	135.9
DE	416.6	315.9	494.0	515.2	480.8	488.3
EE	31.1	27.0	26.8	25.5	24.5	23.0
IE	0.0	0.0	0.0	0.0	0.0	0.0
EL	0.0	1.2	2.0	1.9	1.9	1.7
ES	0.0	0.0	0.0	0.0	0.0	0.0
FR	23.0	135.5	178.3	161.7	125.8	124.2
HR	13.2	11.5	13.3	12.5	11.6	11.7
IT	0.0	0.0	193.1	205.3	207.0	216.4
CY	0.0	0.0	0.0	0.0	0.0	0.0
LV	46.1	31.9	31.1	28.7	26.9	26.2
LT	66.9	48.2	49.9	48.8	46.5	43.6
LU	0.0	0.5	3.2	3.1	3.1	3.3
HU	61.3	69.2	63.6	53.0	49.5	49.0
MT	0.0	0.0	0.0	0.0	0.0	0.0
NL	107.1	155.1	170.9	147.0	132.4	129.0
AT	39.2	47.9	61.6	83.7	84.0	87.9
PL	420.8	340.7	340.7	335.8	309.0	303.9
PT	1.5	5.6	13.7	21.1	21.5	25.6
RO	287.0	190.8	127.7	99.1	89.3	84.8
SI	8.9	9.4	10.1	9.8	9.5	9.4
SK	42.1	36.8	52.5	48.6	43.2	42.5
FI	97.7	149.9	178.9	210.8	196.4	185.5
SE	163.1	157.9	181.1	224.2	196.4	190.1
UK	0.0	102.1	57.2	57.0	64.2	60.8

* Only Heat sold, as considered currently in the energy balances.

Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.9.1 Gross Heat Generation

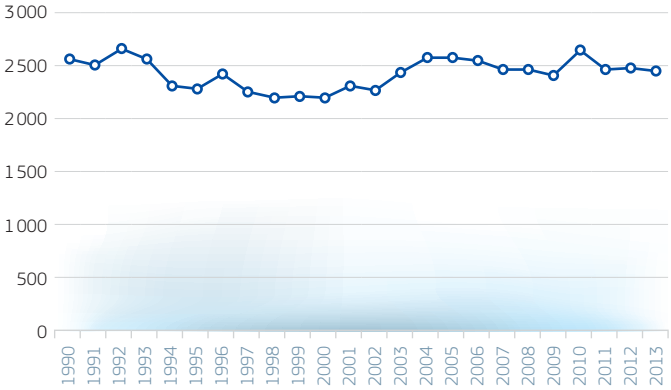
BY FUEL

	2013						
PJ (GCV)	Gross Heat Generation	Gases	Solid Fuels	Renewables	Petroleum and Products	Wastes non-RES	Nuclear
EU-28	2 453.3	986.7	699.4	503.4	107.6	95.0	4.3
Share (%)	100.0 %	40.2 %	28.5 %	20.5 %	4.4 %	3.9 %	0.2 %
BE	36.1	25.2	0.0	2.4	0.0	1.5	0.0
BG	53.0	23.7	21.6	0.1	4.9	0.0	0.7
CZ	121.2	34.6	74.9	7.0	0.6	1.3	1.0
DK	135.9	29.9	32.3	58.0	2.1	10.7	0.0
DE	488.3	213.8	167.9	57.7	5.6	35.9	0.0
EE	23.0	9.9	3.8	8.1	0.5	0.7	0.0
IE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EL	1.7	0.0	1.7	0.0	0.0	0.0	0.0
ES	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FR	124.2	65.0	10.2	33.1	9.5	6.3	0.0
HR	11.7	10.7	0.0	0.4	0.7	0.0	0.0
IT	216.4	131.3	1.5	35.2	44.9	3.6	0.0
CY	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LV	26.2	18.7	0.3	7.0	0.2	0.0	0.0
LT	43.6	20.4	0.4	11.6	1.6	0.3	0.0
LU	3.3	3.1	0.0	0.2	0.0	0.0	0.0
HU	49.0	39.8	2.2	4.8	0.2	0.5	0.5
MT	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NL	129.0	102.7	2.7	10.8	5.5	7.3	0.0
AT	87.9	36.7	2.7	37.8	4.5	6.1	0.0
PL	303.9	27.8	255.3	16.0	3.4	0.4	0.0
PT	25.6	24.7	0.0	0.0	0.8	0.0	0.0
RO	84.8	49.8	27.7	2.0	5.3	0.0	0.0
SI	9.4	2.6	5.3	1.2	0.2	0.1	0.0
SK	42.5	19.3	9.1	7.3	4.4	0.2	2.1
FI	185.5	35.5	57.4	75.2	6.5	3.5	0.0
SE	190.1	14.3	13.0	125.8	4.4	15.7	0.0
UK	60.8	47.4	9.3	1.7	1.7	0.7	0.0

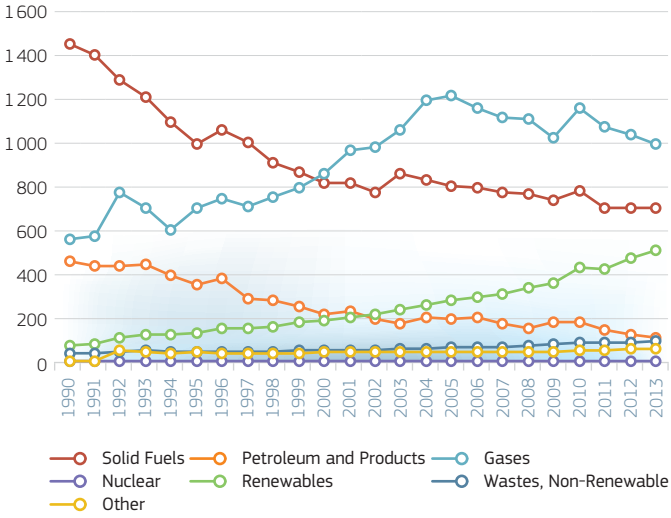
Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.9.1 Gross Heat Generation

TOTAL – EU-28 – 1990-2013 (PJ – GCV)



GROSS HEAT GENERATION – BY FUEL – 1990-2013 (PJ – GCV)



Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

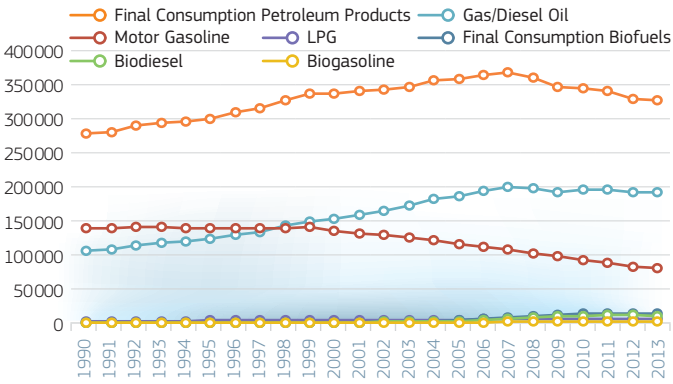
2.10 Transport

2.10.1 Fuels Final Consumption

PETROLEUM PRODUCTS AND BIOFUELS – EU-28

ktoe	Final Consumption Petroleum Products	Gas/Diesel Oil	Motor Gasoline	LPG	Final Consumption Biofuels	Biodiesel	Biogasoline
1990	278157	105883	138207	2706	6	6	0
1991	280278	108539	138682	2620	6	6	0
1992	289574	113975	140917	2477	22	15	5
1993	292980	116833	140392	2592	52	25	24
1994	296425	120165	138988	2773	139	111	25
1995	300217	123242	138156	3004	216	187	24
1996	310135	129853	139593	3135	317	274	39
1997	315817	133769	139108	3457	432	368	55
1998	327201	141983	139426	3557	408	335	63
1999	336603	148325	140082	3535	455	383	60
2000	337457	153228	134175	3662	709	636	58
2001	339879	158934	131828	3875	836	752	65
2002	342714	164099	129805	4119	1109	930	158
2003	347119	171887	124795	4286	1420	1168	241
2004	356234	181321	120889	4571	1927	1603	304
2005	357839	185938	115358	4714	3279	2565	560
2006	363309	193363	111319	4899	5459	4013	855
2007	367258	199214	107439	4909	7677	5891	1163
2008	359999	197888	101918	5047	9845	7773	1812
2009	345897	192193	97251	5257	11678	9357	2264
2010	343432	195434	91802	5292	13067	10222	2806
2011	340831	195318	88026	5499	13579	10721	2846
2012	329156	191173	82238	5458	14361	11492	2858
2013	326761	191628	79337	5763	13014	10293	2717

EU-28 – FUELS CONSUMPTION IN THE TRANSPORT SECTOR – 1990-2013 (ktoe)



Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.10.2 Biofuels

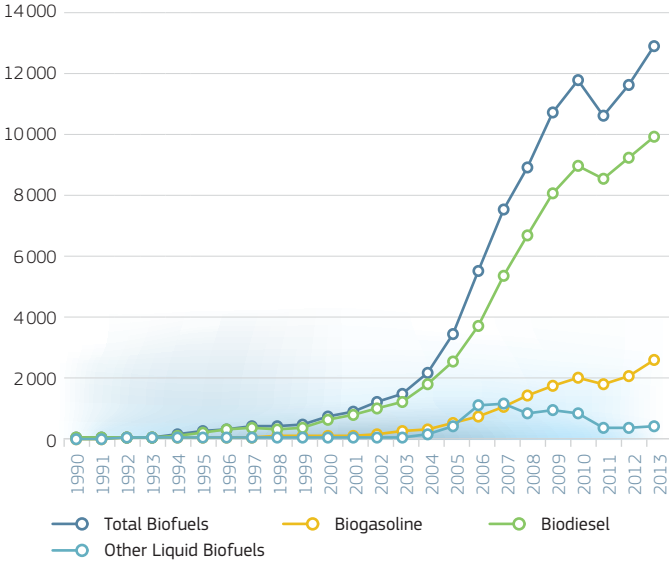
BY FUEL – EU-28

	Production			Share in Transport Fuels		
	Total Biofuels	Biodiesel	Biogasoline	Total Biofuels	of Biogasoline in Motor Gasoline	of Biodiesel in Gas/Diesel Oil
	ktoe			%		
1990	6	6	0	0.0%	0.0%	0.0%
1991	7	7	0	0.0%	0.0%	0.0%
1992	20	16	2	0.0%	0.0%	0.0%
1993	48	25	18	0.0%	0.0%	0.0%
1994	135	95	25	0.0%	0.0%	0.1%
1995	222	188	24	0.1%	0.0%	0.2%
1996	313	268	39	0.1%	0.0%	0.2%
1997	401	338	53	0.1%	0.0%	0.3%
1998	383	310	63	0.1%	0.0%	0.2%
1999	441	369	58	0.1%	0.0%	0.3%
2000	709	634	59	0.2%	0.0%	0.4%
2001	886	789	70	0.2%	0.0%	0.5%
2002	1186	997	159	0.3%	0.1%	0.6%
2003	1472	1183	239	0.4%	0.2%	0.7%
2004	2155	1780	266	0.5%	0.3%	0.9%
2005	3405	2531	480	0.9%	0.5%	1.4%
2006	5501	3689	741	1.5%	0.8%	2.0%
2007	7516	5351	1037	2.0%	1.1%	2.9%
2008	8905	6678	1404	2.7%	1.7%	3.8%
2009	10678	8013	1719	3.3%	2.3%	4.6%
2010	11748	8935	1991	3.7%	3.0%	5.0%
2011	10584	8494	1764	3.8%	3.1%	5.2%
2012	11590	9210	2056	4.2%	3.4%	5.7%
2013	12841	9869	2581	3.8%	3.3%	5.1%

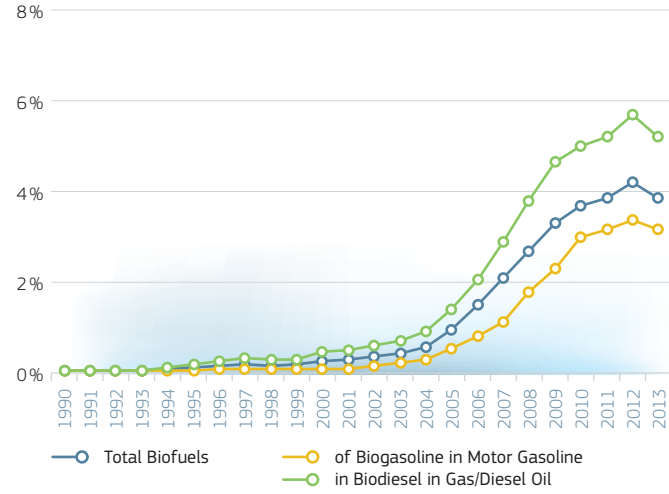
Source: Eurostat, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.10.2 Biofuels

PRODUCTION BIOFUELS – EU-28 – 1990-2013 (ktoe)



BIOFUELS SHARE IN TRANSPORT FUELS – EU-28 – 1990-2013 (%)



Source: Eurostat, May 2015
Methodology and Notes: **See Appendix 13 – No 2**

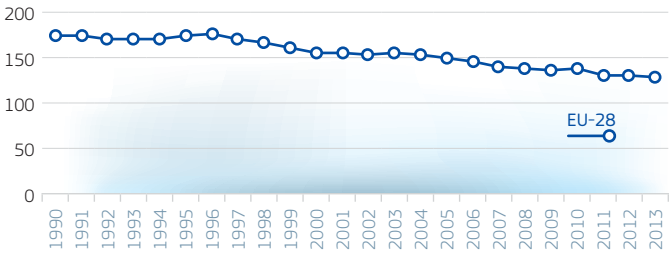
2.11 Energy Efficiency

2.11.1 Energy Intensity

ALL FUELS

toe/M€ '2010	1995	2000	2005	2010	2012	2013
EU-28	174	155	149	138	130	129
Index 1995	100%	90%	86%	79%	75%	74%
BE	198	188	172	168	147	152
BG	953	748	618	483	484	440
CZ	398	359	325	286	271	269
DK	104	88	81	83	74	75
DE	159	145	141	129	119	121
EE	722	470	376	418	367	396
IE	135	112	93	92	82	81
EL	151	149	137	127	144	132
ES	144	142	141	120	122	114
FR	158	145	144	134	126	126
HR	237	221	202	190	185	180
IT	115	112	115	109	106	104
CY	168	170	150	144	135	124
LV	485	318	252	257	229	216
LT	597	389	330	242	230	210
LU	148	121	136	118	111	105
HU	379	316	280	264	240	228
MT	175	149	163	140	141	118
NL	161	137	139	137	129	129
AT	124	114	124	118	110	110
PL	521	361	323	280	255	252
PT	151	151	157	135	133	136
RO	551	442	357	282	274	243
SI	269	231	220	200	197	196
SK	503	437	355	266	238	243
FI	237	206	192	198	183	182
SE	205	163	149	138	132	128
UK	169	151	132	117	109	106

ENERGY INTENSITY – ALL FUELS – 1990-2013 (toe/M€ '2010)



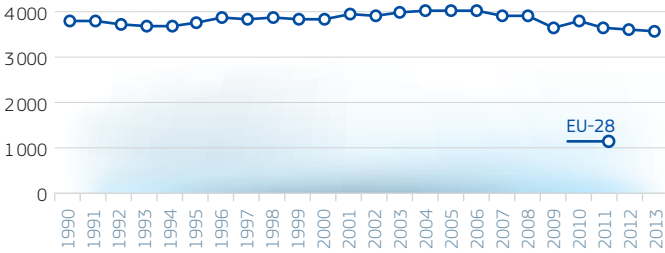
Source: Eurostat, DG Economic and Financial Affairs, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.11.2 Energy per Capita

ALL FUELS

kgoe/cap	1995	2000	2005	2010	2012	2013
EU-28	3457	3541	3678	3485	3322	3277
Index 1995	100%	102%	106%	101%	96%	95%
BE	5321	5788	5634	5637	4955	5108
BG	2699	2268	2553	2359	2496	2306
CZ	4038	4000	4409	4248	4074	4014
DK	3863	3697	3609	3613	3216	3225
DE	4184	4165	4146	4073	3890	3950
EE	3834	3549	4132	4613	4615	5077
IE	3072	3792	3669	3332	3005	2985
EL	2244	2591	2832	2575	2493	2209
ES	2592	3071	3303	2792	2734	2549
FR	4063	4231	4382	4119	3938	3935
HR	1520	1761	2061	1993	1902	1838
IT	2846	3060	3222	2921	2756	2638
CY	3019	3477	3438	3303	2913	2540
LV	1860	1632	2051	2207	2231	2219
LT	2380	2018	2622	2191	2375	2261
LU	8117	8362	10307	9145	8395	7953
HU	2535	2478	2737	2581	2374	2299
MT	1998	2054	2407	2229	2319	1986
NL	4700	4746	4993	5214	4882	4832
AT	3406	3617	4177	4137	4003	3983
PL	2582	2317	2417	2615	2537	2549
PT	2058	2457	2616	2297	2137	2162
RO	2042	1634	1839	1768	1763	1618
SI	3053	3243	3661	3534	3402	3336
SK	3304	3389	3532	3290	3089	3189
FI	5733	6285	6582	6922	6410	6238
SE	5831	5511	5647	5415	5232	5118
UK	3830	3915	3874	3382	3187	3136

ENERGY PER CAPITA – ALL FUELS – 1990-2013 (kgoe/cap)



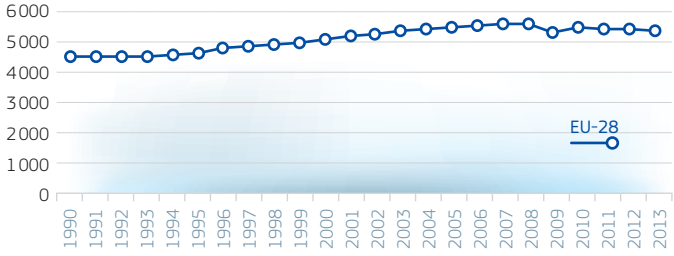
Source: Eurostat, DG Economic and Financial Affairs, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.11.3 Final Electricity per Capita

ALL FUELS

kWh/cap	1995	2000	2005	2010	2012	2013
EU-28	4674	5190	5615	5628	5511	5450
Index 1995	100%	111%	120%	120%	118%	117%
BE	6752	7568	7657	7655	7356	7293
BG	3413	2969	3323	3597	3811	3787
CZ	4654	4807	5403	5439	5391	5394
DK	5905	6080	6175	5835	5617	5609
DE	5525	5882	6333	6512	6419	6310
EE	3162	3579	4445	5181	5266	5166
IE	4124	5333	5854	5575	5264	5259
EL	3205	3952	4589	4763	4689	4424
ES	3578	4681	5548	5257	5137	4980
FR	5762	6323	6697	6835	6616	6688
HR	2133	2673	3344	3692	3596	3540
IT	4192	4794	5171	5003	4918	4739
CY	3416	4317	5362	5886	5103	4549
LV	1797	1891	2559	2963	3367	3267
LT	1751	1771	2401	2690	2986	3028
LU	12200	13215	13206	13015	11795	11425
HU	2686	2883	3206	3421	3308	3523
MT	3333	4018	4601	4343	4578	4475
NL	5349	6142	6405	6433	6356	6320
AT	5877	6433	7088	7453	7471	7425
PL	2343	2579	2762	3091	3184	3222
PT	2873	3729	4410	4718	4398	4328
RO	1603	1513	1823	2041	2113	2033
SI	4698	5289	6368	5840	6101	6113
SK	4052	4075	4242	4445	4428	4634
FI	12768	14620	15390	15565	14904	14694
SE	14112	14509	14474	13992	13371	13022
UK	5079	5601	5775	5242	4991	4952

FINAL ELECTRICITY PER CAPITA – ALL FUELS – 1990-2013 (kWh/cap)



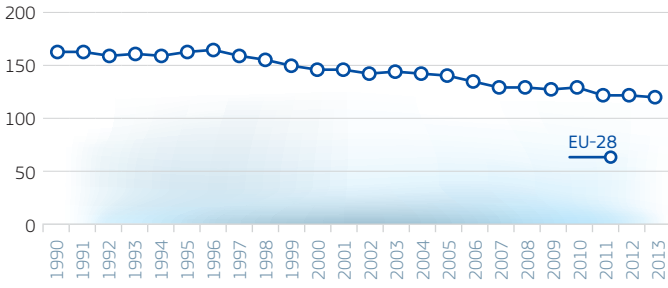
Source: Eurostat, DG Economic and Financial Affairs, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.11.4 Primary Energy Intensity

ALL FUELS

toe/M€ '2010	1995	2000	2005	2010	2012	2013
EU-28	163	145	140	129	122	121
Index 1995	100 %	89 %	86 %	79 %	75 %	74 %
BE	176	167	150	144	124	127
BG	901	709	592	472	472	428
CZ	376	341	304	268	254	252
DK	102	86	80	82	73	74
DE	148	135	131	120	111	113
EE	699	453	361	412	362	386
IE	128	106	90	90	80	79
EL	148	145	134	122	140	128
ES	133	132	133	114	116	110
FR	147	136	135	127	119	120
HR	210	202	187	177	173	168
IT	108	107	110	103	101	100
CY	162	164	146	139	133	122
LV	480	311	247	253	224	211
LT	560	352	299	217	190	178
LU	146	119	135	117	110	105
HU	355	296	258	244	221	211
MT	175	149	159	139	139	117
NL	140	118	117	113	106	105
AT	118	108	118	111	104	104
PL	501	344	307	266	242	239
PT	136	137	143	125	125	127
RO	536	419	335	271	261	232
SI	263	223	211	194	194	192
SK	477	404	331	250	224	228
FI	228	199	186	192	178	176
SE	197	157	143	132	127	123
UK	160	143	126	113	106	103

PRIMARY ENERGY INTENSITY – ALL FUELS – 1990-2013 (toe/M€ '2010)



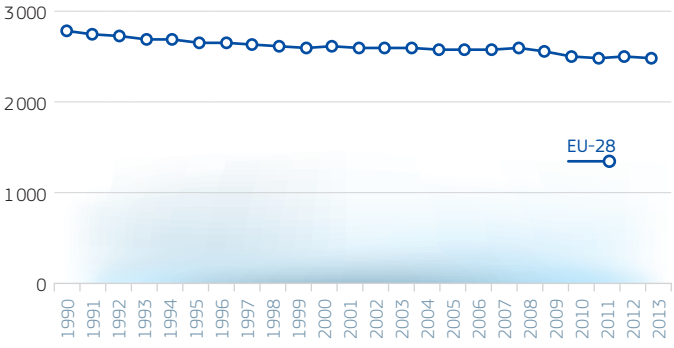
Source: Eurostat, DG Economic and Financial Affairs, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.11.5 Carbon Intensity

ALL FUELS

kg CO_2/toe	1995	2000	2005	2010	2012	2013
EU-28	2612	2539	2498	2382	2369	n.a.
Index 1995	100%	97%	96%	91%	91%	n.a.
BE	2599	2459	2590	2318	2269	n.a.
BG	2636	2482	2593	2731	2691	n.a.
CZ	3104	3084	2819	2644	2621	n.a.
DK	3358	3057	2872	2664	2416	n.a.
DE	2788	2682	2611	2591	2684	n.a.
EE	3318	3126	3018	3026	2900	n.a.
IE	3322	3257	3306	2899	2910	n.a.
EL	4205	4118	3961	3745	3626	n.a.
ES	2744	2727	2791	2460	2478	n.a.
FR	1708	1690	1612	1532	1499	n.a.
HR	2476	2608	2678	2522	2401	n.a.
IT	2811	2723	2689	2526	2415	n.a.
CY	3455	3505	3802	3370	3378	n.a.
LV	2074	1831	1905	2086	1886	n.a.
LT	1809	1727	1674	2104	2080	n.a.
LU	2941	2666	2792	2702	2686	n.a.
HU	2362	2322	2199	2028	1977	n.a.
MT	4023	4900	6938	6799	7003	n.a.
NL	2941	2942	2957	2710	2676	n.a.
AT	2412	2338	2370	2153	2071	n.a.
PL	3665	3615	3473	3294	3304	n.a.
PT	2765	2744	2658	2336	2453	n.a.
RO	2741	2545	2542	2246	2383	n.a.
SI	2481	2369	2297	2247	2272	n.a.
SK	2521	2244	2207	2103	2116	n.a.
FI	2044	1843	1721	1772	1527	n.a.
SE	1242	1244	1211	1203	1077	n.a.
UK	2606	2562	2568	2556	2567	n.a.

CARBON INTENSITY – ALL FUELS – 1990-2013 (kg CO_2/toe)



Source: EEA/UNFCCC May 2014, DG Economic and Financial Affairs, May 2015
Methodology and Notes: See Appendix 13 – No 2

2.12 RES Indicators

2.12.1 RES Shares*

OVERALL AND HEATING & COOLING

	Overall RES with Aviation Cap**				RES-H&C – Heating and Cooling			
%	2005	2010	2012	2013	2005	2010	2012	2013
EU-28	8.7	12.5	14.3	15.0	10.3	14.1	16.1	16.5
BE	2.3	5.7	7.4	7.9	3.4	6.1	7.7	8.1
BG	9.4	14.1	16.0	19.0	14.3	24.4	27.5	29.2
CZ	6.0	9.5	11.4	12.4	9.1	12.6	14.1	15.3
DK	15.6	22.0	25.6	27.2	22.1	30.7	33.5	34.8
DE	6.7	10.4	12.1	12.4	6.8	9.7	10.4	10.6
EE	17.5	24.6	25.8	25.6	32.2	43.3	43.1	43.1
IE	2.9	5.6	7.3	7.8	3.5	4.5	5.4	5.7
EL	7.0	9.8	13.4	15.0	12.8	17.8	23.4	26.5
ES	8.4	13.8	14.3	15.4	9.4	12.6	14.1	14.9
FR	9.6	12.8	13.6	14.2	12.4	16.4	17.3	18.3
HR	12.8	14.3	16.8	18.0	10.8	13.0	18.3	18.1
IT	5.8	10.5	15.4	16.7	4.6	10.4	16.9	18.0
CY	3.1	6.0	6.8	8.1	10.0	18.2	20.7	21.7
LV	32.3	30.4	35.8	37.1	42.7	40.7	47.4	49.7
LT	17.0	19.8	21.7	23.0	30.1	33.2	35.5	37.7
LU	1.4	2.9	3.1	3.6	3.6	4.8	5.0	5.6
HU	4.5	8.6	9.5	9.8	6.0	11.0	13.4	13.5
MT	0.2	1.0	2.7	3.8	2.2	8.4	16.7	23.7
NL	2.3	3.7	4.5	4.5	2.1	2.7	3.4	3.6
AT	23.9	30.8	32.1	32.6	22.6	30.5	32.4	33.5
PL	6.9	9.2	10.9	11.3	10.1	11.7	13.3	13.9
PT	19.5	24.2	25.0	25.7	32.1	33.9	34.0	34.5
RO	17.6	23.4	22.8	23.9	18.0	27.2	25.7	26.2
SI	16.0	19.3	20.2	21.5	18.9	25.7	30.2	31.7
SK	5.9	9.0	10.4	9.8	5.0	7.8	8.7	7.5
FI	28.8	32.5	34.5	36.8	39.2	44.4	48.4	50.9
SE	40.5	47.2	51.1	52.1	51.8	60.9	65.7	67.2
UK	1.4	3.3	4.2	5.1	0.8	1.8	2.3	2.6

* Of the Gross Final Energy.
** Break in Series Between 2010 and 2011 due to the Application of the Biofuels Compliance Rules.

Source: Eurostat, April 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.12.1 RES Shares*

ELECTRICITY AND TRANSPORT

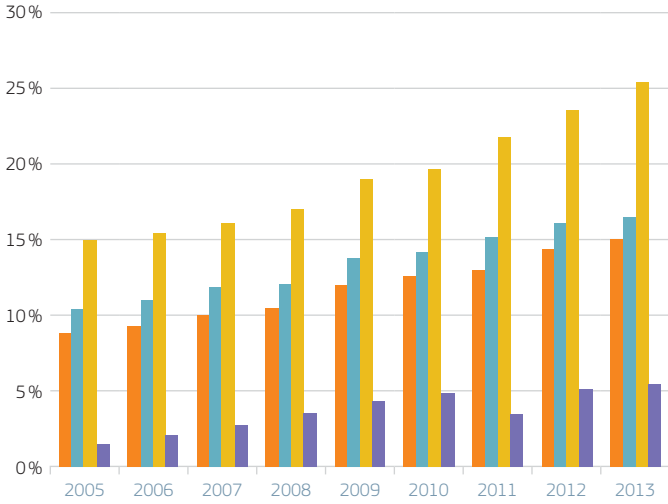
	RES-E – Electricity Generation				RES-T – Transport**			
%	2005	2010	2012	2013	2005	2010	2012	2013
EU-28	14.8	19.6	23.5	25.4	1.4	4.8	5.1	5.4
BE	2.4	7.1	11.3	12.3	0.2	4.2	4.4	4.3
BG	9.3	12.7	15.8	18.9	0.3	1.0	0.3	5.6
CZ	3.7	7.5	11.6	12.8	0.5	4.6	5.6	5.7
DK	24.7	32.7	38.7	43.1	0.2	0.9	5.5	5.7
DE	10.5	18.1	23.6	25.6	3.7	6.0	6.9	6.3
EE	1.1	10.4	15.8	13.0	0.2	0.2	0.3	0.2
IE	7.2	14.5	19.5	20.9	0.0	2.4	4.1	5.0
EL	8.2	12.3	16.4	21.2	0.0	1.9	1.0	1.1
ES	19.1	29.8	33.5	36.4	1.0	4.7	0.4	0.4
FR	13.8	14.7	16.4	16.9	1.7	6.1	7.1	7.2
HR	32.8	34.2	35.5	38.7	0.4	0.5	0.4	2.1
IT	16.3	20.1	27.4	31.3	0.8	4.6	5.8	5.0
CY	0.0	1.4	4.9	6.6	0.0	2.0	0.0	1.1
LV	43.0	42.1	44.9	48.8	1.3	3.3	3.1	3.1
LT	3.8	7.4	10.9	13.1	0.5	3.6	4.8	4.6
LU	3.2	3.8	4.6	5.3	0.1	2.0	2.2	3.9
HU	4.4	7.1	6.1	6.6	0.4	4.7	4.6	5.3
MT	0.0	0.1	1.0	1.6	0.0	0.5	3.1	3.3
NL	6.3	9.7	10.5	10.1	0.2	3.1	5.0	5.0
AT	62.4	65.7	66.5	68.1	2.8	8.7	7.8	7.5
PL	2.7	6.6	10.7	10.7	1.0	6.3	6.1	6.0
PT	27.7	40.7	47.6	49.2	0.2	5.3	0.4	0.7
RO	28.8	30.4	33.6	37.5	1.0	3.2	4.0	4.6
SI	28.7	32.1	31.4	32.8	0.3	2.8	2.9	3.4
SK	13.5	17.8	20.1	20.8	1.1	4.8	4.8	5.3
FI	26.9	27.6	29.5	31.1	0.4	3.8	0.4	9.9
SE	50.9	56.0	60.0	61.8	3.9	7.2	12.9	16.7
UK	4.1	7.4	10.8	13.9	0.3	3.1	3.7	4.4

* Of the Gross Final Energy.
** Break in Series Between 2010 and 2011 due to the Application of the Biofuels Compliance Rules.

Source: Eurostat, April 2015
Methodology and Notes: See Appendix 13 – No 2

2.12.1 RES Shares *

IN THE GROSS FINAL ENERGY – EU-28 (%)



* Break in Series Between 2010 and 2011 due to the Application of the Biofuels Compliance Rules.

Source: Eurostat, April 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.13 Energy Prices

2.13.1 Prices of Transport Fuels

AUTOMOTIVE DIESEL OIL – ALL TAXES INCLUDED

Current Prices (€/litre)	2006	2010	2011	2013	2014	2015*
BE	1.04	1.16	1.37	1.40	1.35	1.19
BG		1.02	1.18	1.33	1.30	1.14
CZ	1.04	1.21	1.39	1.39	1.32	1.16
DK	1.10	1.21	1.41	1.48	1.45	1.31
DE	1.11	1.20	1.38	1.43	1.36	1.21
EE	0.87	1.10	1.27	1.32	1.27	1.12
IE	1.10	1.22	1.41	1.51	1.46	1.28
EL	1.01	1.25	1.47	1.39	1.35	1.20
ES	1.00	1.08	1.27	1.36	1.31	1.15
FR	1.08	1.14	1.33	1.35	1.29	1.19
HR				1.30	1.30	1.17
IT	1.17	1.21	1.44	1.66	1.61	1.44
CY	0.90	1.07	1.25	1.41	1.42	1.25
LV	0.87	1.07	1.27	1.31	1.26	1.09
LT	0.89	1.04	1.23	1.32	1.27	1.09
LU	0.92	1.02	1.17	1.22	1.17	1.07
HU	1.03	1.16	1.36	1.44	1.35	1.20
MT	1.02	1.07	1.30	1.38	1.36	1.29
NL	1.08	1.15	1.35	1.42	1.41	1.27
AT	1.04	1.11	1.33	1.36	1.30	1.15
PL	1.02	1.08	1.22	1.31	1.25	1.11
PT	1.05	1.15	1.37	1.39	1.31	1.21
RO		1.05	1.24	1.32	1.37	1.23
SI	1.00	1.15	1.24	1.38	1.36	1.21
SK	1.06	1.11	1.34	1.39	1.34	1.17
FI	1.04	1.13	1.37	1.52	1.49	1.33
SE	1.15	1.25	1.51	1.65	1.54	1.40
UK	1.40	1.39	1.60	1.66	1.66	1.61

* Average 1 Jan –15 Jun.

Source: DG Energy, Member States
Methodology and Notes: See Appendix 13 – No 2

2.13.1 Prices of Transport Fuels

EURO-SUPER 95 – ALL TAXES INCLUDED

Current Prices (€/litre)	2006	2010	2011	2013	2014	2015*
BE	1.29	1.40	1.54	1.58	1.53	1.38
BG		1.03	1.17	1.32	1.28	1.12
CZ	1.07	1.25	1.41	1.40	1.32	1.14
DK	1.28	1.44	1.61	1.68	1.65	1.51
DE	1.28	1.39	1.53	1.60	1.54	1.41
EE	0.87	1.11	1.24	1.31	1.28	1.13
IE	1.12	1.30	1.48	1.59	1.53	1.37
EL	1.05	1.43	1.67	1.69	1.65	1.49
ES	1.07	1.16	1.32	1.43	1.39	1.24
FR	1.24	1.34	1.50	1.54	1.49	1.37
HR	0.00	0.00	0.00	1.37	1.38	1.25
IT	1.29	1.36	1.55	1.75	1.72	1.55
CY	1.03	1.06	1.21	1.38	1.41	1.22
LV	0.88	1.09	1.28	1.35	1.29	1.13
LT	0.90	1.18	1.32	1.38	1.32	1.15
LU	1.09	1.16	1.29	1.34	1.30	1.18
HU	1.06	1.22	1.37	1.41	1.33	1.17
MT	1.12	1.19	1.38	1.47	1.44	1.37
NL	1.41	1.49	1.64	1.74	1.70	1.57
AT	1.09	1.19	1.36	1.39	1.35	1.21
PL	1.07	1.13	1.24	1.31	1.26	1.11
PT	1.28	1.37	1.54	1.58	1.53	1.43
RO		1.07	1.23	1.28	1.34	1.21
SI	1.06	1.20	1.29	1.49	1.45	1.31
SK	1.06	1.25	1.44	1.49	1.45	1.29
FI	1.29	1.43	1.56	1.64	1.61	1.46
SE	1.23	1.34	1.54	1.67	1.57	1.43
UK	1.34	1.36	1.54	1.58	1.59	1.51

* Average 1 Jan – 15 Jun.

Source: DG Energy, Member States
Methodology and Notes: **See Appendix 13 – No 2**

2.13.1 Prices of Transport Fuels

CONSUMER PRICES OF PETROLEUM PRODUCTS
EU-28 WEIGHTED AVERAGE* (€ per LITRE)

*All Taxes Included.
Uncomplete EU-28 series for the period 2005-2013 due to later accesion to the EU of Bulgaria, Croatia and Romania.

Source: DG Energy, Member States
Methodology and Notes: See Appendix 13 – No 2

2.13.2 Fuel Prices* – Domestic Consumers

GAS – BAND D2

20GJ < CONSUMPTION < 200GJ – 2ND SEMESTER**

€/GJ (GCV)	2008	2009	2010	2012	2013	2014
EU-28	17.17	14.57	15.70	19.42	19.59	19.98
BE	20.24	14.33	16.78	20.39	18.55	18.06
BG	10.86	9.67	11.98	15.44	14.39	13.14
CZ	14.69	13.11	14.35	18.36	15.98	15.63
DK	27.21	23.64	26.81	26.53	27.14	24.38
DE	21.17	16.35	15.86	18.01	19.13	18.93
EE	10.30	10.07	11.14	14.38	13.21	13.71
IE	18.05	15.29	14.63	18.68	20.07	20.70
EL	0.00	0.00	0.00	28.25	24.66	22.16
ES	18.14	14.88	15.00	23.98	24.78	26.64
FR	16.06	16.20	15.98	18.95	20.24	21.16
HR	7.70	9.10	10.54	13.11	13.00	13.20
IT	13.88	10.52	11.28	15.57	13.99	13.56
CY						
LV	19.99	14.84	21.86	26.89	26.29	26.41
LT	10.63	11.29	12.59	16.97	17.05	13.87
LU	14.28	12.82	13.13	16.49	15.71	14.27
HU	12.93	13.23	15.38	14.36	11.67	9.74
MT						
NL	21.04	18.76	18.48	23.46	23.49	22.78
AT	17.11	17.23	16.71	21.20	20.96	20.28
PL	14.30	12.78	14.04	16.00	14.14	13.90
PT	17.48	16.52	17.49	23.69	25.93	28.87
RO	9.33	7.45	7.73	7.61	8.52	8.85
SI	19.77	14.96	18.68	20.28	19.71	17.61
SK	12.92	13.21	12.39	14.29	14.39	14.42
FI						
SE	28.22	26.12	29.48	35.22	34.01	31.63
UK	13.29	11.84	11.72	16.05	16.33	17.94

* All Taxes and levies Included.
** Prices from second semester each year.

Source: Eurostat, June 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.13.2 Fuel Prices* – Domestic Consumers

ELECTRICITY – BAND DC
2 500 kWh < CONSUMPTION < 5 000 kWh
2ND SEMESTER**

€/100 kWh	2008	2009	2010	2012	2013	2014
EU-28	16.63	16.36	17.26	19.54	20.21	20.79
BE	21.52	18.64	19.74	22.23	22.15	20.43
BG	8.23	8.18	8.30	9.55	8.82	8.95
CZ	12.99	13.94	13.92	15.01	14.93	12.74
DK	27.85	25.53	27.08	29.72	29.36	30.35
DE	21.95	22.94	24.38	26.76	29.21	29.74
EE	8.50	9.20	10.04	11.23	13.67	13.25
IE	20.33	18.55	18.75	22.89	24.05	25.36
EL	10.99	10.32	12.11	14.18	16.97	17.85
ES	15.57	16.84	18.51	22.75	22.73	23.67
FR	12.03	12.07	13.50	14.50	15.89	17.51
HR	11.84	11.64	11.53	13.84	13.50	13.24
IT	22.27	19.97	19.20	22.97	23.23	23.38
CY	20.40	16.42	20.21	29.09	24.81	23.56
LV	10.03	10.54	10.48	13.69	13.58	13.01
LT	8.65	9.26	12.16	12.68	13.91	13.19
LU	16.09	18.82	17.47	17.06	16.46	17.38
HU	15.53	16.62	15.74	16.18	13.26	11.46
MT	15.36	15.13	16.53	16.78	16.89	12.47
NL	17.98	18.87	17.62	18.95	19.15	17.32
AT	17.72	19.09	19.30	20.24	20.18	19.87
PL	12.95	12.91	13.82	15.29	14.37	14.08
PT	15.25	15.94	16.66	20.63	21.31	22.31
RO	11.03	9.79	10.52	10.75	12.79	12.48
SI	11.56	13.41	14.26	15.42	16.57	16.32
SK	15.26	15.60	16.37	17.22	16.78	15.23
FI	12.73	12.89	13.70	15.59	15.59	15.38
SE	17.46	16.46	19.58	20.83	20.46	18.67
UK	16.03	14.07	14.49	17.85	17.97	20.13

* All Taxes and levies Included.
** Prices from second semester each year.

Source: Eurostat, June 2015
Methodology and Notes: See Appendix 13 – No 2

2.13.3 Fuel Prices* – Industrial Consumers

GAS – BAND I3
10 000 GJ < CONSUMPTION < 100 000 GJ
2ND SEMESTER**

€/GJ (GCV)	2008	2009	2010	2012	2013	2014
EU-28	12.88	9.96	10.95	12.74	13.38	12.36
BE	13.04	10.14	9.91	11.65	11.52	9.83
BG	8.91	7.15	10.10	13.32	11.72	11.38
CZ	13.03	9.00	12.08	11.27	11.15	10.23
DK	18.10	18.36	19.64	21.80	23.76	21.73
DE	16.43	11.44	13.19	12.70	15.82	13.27
EE	10.34	7.66	9.43	11.93	11.76	12.29
IE	12.20	8.08	9.66	12.95	14.60	12.76
EL				18.12	15.81	14.49
ES	10.48	8.73	9.54	12.44	12.67	12.57
FR	12.84	10.34	11.46	13.28	12.71	12.36
HR	7.82	9.13	13.46	16.03	14.75	13.96
IT	12.45	8.62	9.19	12.26	11.69	10.72
CY						
LV	12.99	9.30	10.70	13.39	12.46	11.97
LT	14.33	9.09	11.37	15.49	13.73	12.59
LU	12.04	10.65	12.46	15.08	13.26	11.61
HU	14.06	12.57	12.42	16.42	16.87	13.82
MT						
NL	12.34	12.15	10.74	12.22	12.11	11.20
AT		12.59	13.42	14.48	14.28	13.35
PL	11.39	10.20	11.01	12.80	12.45	12.45
PT	9.67	7.59	9.82	14.35	14.34	15.16
RO	9.24	7.06	7.57	9.09	9.93	10.59
SI	15.19	11.54	14.17	18.36	16.26	14.83
SK	15.61	10.60	12.16	13.76	12.89	12.54
FI	11.40	9.70	11.23	16.26	16.13	19.26
SE	23.13	20.48	22.27	27.45	26.30	22.26
UK	10.21	6.96	7.43	11.26	11.94	11.57

* All Taxes and levies Included.
** Prices from second semester each year.

Source: Eurostat, June 2015
Methodology and Notes: **See Appendix 13 – No 2**

2.13.3 Fuel Prices* – Industrial Consumers

ELECTRICITY – BAND IC
500 MWh < CONSUMPTION < 2 000 MWh
2ND SEMESTER**

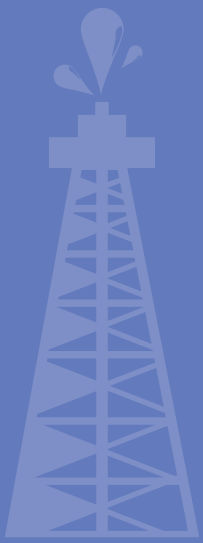
€/100 kWh	2008	2009	2010	2012	2013	2014
EU-28	12.48	12.53	12.84	14.38	14.67	14.90
BE	11.63	13.05	12.76	13.40	13.25	13.09
BG	7.82	7.67	7.98	9.35	8.71	10.10
CZ	13.35	13.35	12.97	12.34	11.98	9.91
DK	22.40	21.40	22.93	24.21	24.63	24.84
DE	14.28	15.15	15.62	17.27	19.02	19.92
EE	7.11	7.74	8.73	9.81	11.64	11.17
IE	16.04	13.27	12.77	15.75	15.41	14.88
EL	10.06	10.20	11.39	13.81	14.00	14.67
ES	12.38	12.99	12.90	14.47	14.54	14.12
FR	7.36	7.74	8.35	9.42	10.19	10.90
HR	11.42	11.10	11.12	11.75	11.80	11.48
IT	17.04	15.81	16.63	20.75	19.95	20.33
CY	20.75	17.15	19.84	27.32	23.67	22.56
LV	9.40	10.82	10.96	13.44	13.94	13.74
LT	9.90	9.54	12.65	13.84	14.85	14.17
LU	10.38	12.28	10.86	10.74	10.63	10.46
HU	14.61	16.18	13.12	12.55	12.29	11.23
MT	17.00	13.56	19.49	19.50	19.55	19.52
NL	12.34	13.12	11.61	11.59	11.38	10.74
AT	12.86	13.94	13.53	13.39	13.29	12.66
PL	11.10	11.39	12.04	11.76	10.79	10.25
PT	9.46	9.89	9.64	14.09	13.97	14.59
RO	11.34	9.90	10.08	10.91	11.85	10.01
SI	11.82	11.55	12.06	11.29	11.53	10.33
SK	15.33	16.70	14.26	15.25	15.23	14.09
FI	8.22	8.33	8.41	9.15	9.29	8.95
SE	9.65	8.61	10.50	9.70	9.34	8.33
UK	12.79	11.64	11.64	14.32	14.36	16.06

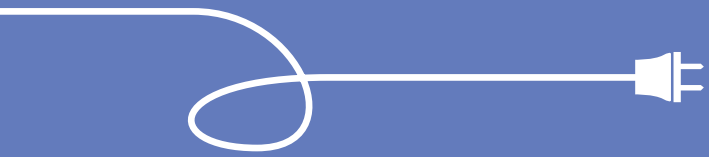
* All Taxes and levies Included.
** Prices from second semester each year.

Source: Eurostat, June 2015
Methodology and Notes: See Appendix 13 – No 2

Socio-economic indicators in the EU

PART 3





Summary

3.1 Classification of the Energy Sector*

3.1.1 Comparative Table

EUROSTAT (NACE) AND UN (ISIC) CLASSIFICATIONS

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

* Broad Definition, The Narrow Definition only Includes Division D35.

Source: Eurostat, UN, June 2014
Methodology and Notes: **See Annex 13 – No 3**

3.2 Employment

3.2.1 Total Persons Employed in the Energy Sector (15 years & over)

MEMBER STATES DATA* – EU-28

Thousands	2008	2010	2012	2013	2014
B05 Mining of coal and lignite	342.7	332.9	328.9	326.8	313.7
B06 Extraction of crude petroleum and natural gas	100.2	104.6	97.9	97.0	98.9
B0892 Extraction of peat	*12.5*	*12.1*	*11.6*	*11.6*	*11.7*
B091 Support activities for petroleum and natural gas extraction**	*47.3*	*50.6*	*53.2*	*56.7*	*56.0*
C19 Manufacture of coke and refined petroleum products**	244.4	221.3	208.2	208.9	200.1
D35 Electricity, gas, steam and air conditioning supply	1 555.4	1 659.4	1 664.7	1 629.1	1 594.7
Broad Sector Total Employment***	2 302.57	2 380.85	2 364.5	2 330.05	2 275.11

* According to the Labour Force Survey (LFS), 15 years or Over, June 2015.
** According to the Structural Business Survey (SBS) and DG ENERGY estimates.
*** Estimate of total employment as a sum of available and uncomplete figures presented in the table.
Italics: DG Energy Estimations

Source: Eurostat, LFS
Methodology and Notes: **See Annex 13 – No 3**

3.2.2 Employment Rate in all Economic Sectors

MEMBER STATES' DATA – ALL SECTORS (15-64 YEARS)

%	2000	2005	2010	2012	2013	2014
EU-28		63.4	64.1	64.1	64.1	64.9
BE	60.5	61.1	62.0	61.8	61.8	61.9
BG	50.4	55.8	59.7	58.8	59.5	61.0
CZ	65.0	64.8	65.0	66.5	67.7	69.0
DK	76.3	75.9	73.3	72.6	72.5	72.8
DE	65.6	65.5	71.1	73.0	73.5	73.8
EE	60.3	64.8	61.2	67.1	68.5	69.6
IE	65.2	67.6	59.6	58.8	60.5	61.7
EL	56.5	59.6	59.1	50.8	48.8	49.4
ES	56.3	63.6	58.8	55.8	54.8	56.0
FR	62.1	63.7	63.9	63.9	64.1	64.2
HR		55.0	57.4	53.5	52.5	54.6
IT	53.7	57.6	56.8	56.6	55.5	55.7
CY	65.7	68.5	68.9	64.6	61.7	62.1
LV	57.5	62.1	58.5	63.0	65.0	66.3
LT	59.1	62.9	57.6	62.0	63.7	65.7
LU	62.7	63.6	65.2	65.8	65.7	66.6
HU	56.3	56.9	54.9	56.7	58.1	61.8
MT	54.2	53.6	56.2	59.1	60.8	62.3
NL	72.9	73.2	74.7	75.1	74.3	73.9
AT	68.5	67.4	70.8	71.4	71.4	71.1
PL	55.0	52.8	58.9	59.7	60.0	61.7
PT	68.4	67.3	65.3	61.4	60.6	62.6
RO	63.0	57.6	60.2	60.2	60.1	61.0
SI	62.8	66.0	66.2	64.1	63.3	63.9
SK	56.8	57.7	58.8	59.7	59.9	61.0
FI	67.2	68.4	68.1	69.4	68.9	68.7
SE	73.0	72.5	72.1	73.8	74.4	74.9
UK	71.2	71.7	69.4	69.9	70.5	71.9

Source: Eurostat, LFS, June 2015
Methodology and Notes: **See Annex 13 – No 3**

3.2.3 Unemployment Rate in all Economic Sectors*

MEMBER STATES' DATA – ALL SECTORS (15-64 YEARS)

%	2000	2005	2010	2012	2013	2014
EU-28	8.9	9.0	9.6	10.5	10.9	10.2
BE	6.9	8.5	8.3	7.6	8.4	8.5
BG	16.4	10.1	10.3	12.3	13.0	11.4
CZ	8.8	7.9	7.3	7.0	7.0	6.1
DK	4.3	4.8	7.5	7.5	7.0	6.6
DE	7.9	11.2	7.0	5.4	5.2	5.0
EE	14.6	8.0	16.7	10.0	8.6	7.4
IE	4.3	4.4	13.9	14.7	13.1	11.3
EL	11.2	10.0	12.7	24.5	27.5	26.5
ES	11.9	9.2	19.9	24.8	26.1	24.5
FR	8.6	8.9	9.3	9.8	10.2	10.2
HR	15.8	13.0	11.7	16.0	17.3	17.3
IT	10.0	7.7	8.4	10.7	12.1	12.7
CY	4.8	5.3	6.3	11.9	15.9	16.1
LV	14.3	10.0	19.5	15.0	11.9	10.8
LT	16.4	8.3	17.8	13.4	11.8	10.7
LU	2.2	4.6	4.6	5.1	5.9	6.0
HU	6.3	7.2	11.2	11.0	10.2	7.7
MT	6.7	6.9	6.9	6.3	6.4	5.9
NL	3.7	5.9	5.0	5.8	7.3	7.4
AT	3.9	5.6	4.8	4.9	5.4	5.6
PL	16.1	17.9	9.7	10.1	10.3	9.0
PT	5.1	8.8	12.0	15.8	16.4	14.1
RO	7.6	7.1	7.0	6.8	7.1	6.8
SI	6.7	6.5	7.3	8.9	10.1	9.7
SK	18.9	16.4	14.5	14.0	14.2	13.2
FI	9.8	8.4	8.4	7.7	8.2	8.7
SE	5.6	7.7	8.6	8.0	8.0	7.9
UK	5.4	4.8	7.8	7.9	7.6	6.1

* Annual Average, Total.

Source: Eurostat, LFS, June 2015
Methodology and Notes: **See Annex 13 – No 3**

3.3 Enterprises in the Energy Sector

3.3.1 Number of Enterprises in the Energy Sector*

ENTERPRISES SURVEY – EU-28

	2011	2012	2013**
B05: Mining of Coal and Lignite	212	218	233
B06: Extraction of Crude Petroleum and Natural Gas	384	395	458
B07.21: Mining of Uranium and Thorium Ores	4	*1*	*1*
B08.92: Extraction of Peat	955	921	*862*
B09.1: Support Activities for Petroleum and Natural Gas Extraction	906	965	1205
C19: Manufacture of Coke and Refined Petroleum Products	1114	1153	1205
D35: Electricity, Gas, Steam and Air Conditioning Supply	63200	70066	97000
D35.1: Electricity	56429	63000	90097
35.11: Production of Electricity	50688	57739	*82573*
35.12: Transmission of Electricity	244	*229*	*327*
35.13: Distribution of Electricity	2583	2223	*3179*
35.14: Trade of Electricity	2914	3050	*4362*
D35.2: Gas	1817	1815	2000
35.21: Manufacture of Gas	248	287	*316*
35.22: Distribution of Gaseous Fuels through Mains	810	787	*867*
35.23: Trade of Gas through Mains	755	735	*810*
D35.3: Steam and Air Conditioning	4900	4980	5355
35.30: Steam and Air Conditioning Supply	*4900*	4980	*5355*
Broad Sector – Total	66771	73718	*100963*

* According to the Structural Business Statistics Survey (SBS).
** Provisional data.
Italics: DG Energy Estimations.

Source: Eurostat, June 2015
Methodology and Notes: **See Annex 13 – No 3**

3.3.1 Number of Enterprises in the Energy Sector*

ENTERPRISES SURVEY

	Mining of Coal and Lignite (B05)				Extraction of Crude Petroleum and Natural Gas (B06)			
	2008	2010	2012	2013**	2008	2010	2012	2013**
EU-28	*298*	*222*	218	233	*315*	*314*	395	458
BE	0			0		0	0	0
BG	23	23	24	24	9	7	7	6
CZ			11	12			5	5
DK	0	0	0	0	10	9	9	1
DE	7	6	5		4	4	4	
EE	0	0	0	0	1	1	2	2
IE								
EL	4							
ES	110	48	32	56	4	4		5
FR	10	6	0	0	61	32	57	58
HR	0	1	0	0	7	4	4	4
IT					5	3	12	
CY	0	0	0	0	0	0	0	0
LV	3	0	0	0	0	1	1	1
LT	0	0	0	0	4	4	4	4
LU	0	0	0	0	0	0	0	0
HU	12	9	17	14	10	13	11	10
MT	0	0	0		0	0	0	
NL		0	0	0	45	48	33	45
AT	0	0	0	0	2	2	2	
PL	44	48	59	57	28	54	53	52
PT	0	0	0	0	0	0	0	0
RO	38	35	37	35	10	21	30	34
SI	2	2	1	1	1	1	1	1
SK						0		
FI	0	0	0	0	0	0	0	0
SE				1				
UK	22	23			105	98	151	158

* According to the Structural Business Statistics Survey (SBS).
** Provisional data.
Italics: DG Energy Estimations.

Source: Eurostat, June 2015
Methodology and Notes: See Annex 13 – No 3

3.3.1 Number of Enterprises in the Energy Sector*

ENTERPRISES SURVEY

	Extraction of Peat** (B08.92)				Support Activities for Petroleum and Natural Gas Extraction (B09.1)			
	2008	2010	2011	2012	2008	2010	2012	2013***
EU-28	*1 011*	*936*	955	921	*830*	*896*	965	1 058
BE	0	0	0	0			9	
BG		10	10	8	4	6	12	11
CZ							5	5
DK	7	4	3	3	47	35	49	21
DE	90	74	103	81				
EE	38	39	40	41	0	0	0	0
IE			8			0	0	0
EL		0						
ES	6	6	4	5	24		38	48
FR		23	27	19		36	39	48
HR	2	0	0	0	8	7	8	6
IT	0	12	7	4			44	
CY	0	0	0	0	0	0		
LV	54	49	49	46	0	0	1	1
LT	20	24	27	25	0	0	0	0
LU	0	0	0	0	0	0	0	0
HU		15	13	15	29	40	36	35
MT	0	0	0	0				
NL	8	7	7	8	103	116	139	201
AT	7	7	8	8	6	8	4	6
PL	49	45	42	37	52	90	102	92
PT	0	0	0	0	1	1	0	0
RO	10	8	7	8	93	91	92	90
SI	0	0	0	0	3	3	3	4
SK								3
FI	519	463	463	471	0	0	0	0
SE	87	82	79	77	39	45	50	58
UK	24	25	23	22	267	270	251	286

* According to the Structural Business Statistics Survey (SBS).
** Data for 2013 on B08.92 is not released.
*** Provisional data.
Italics: DG Energy Estimations.

Source: Eurostat, June 2015
Methodology and Notes: **See Annex 13 – No 3**

3.3.1 Number of Enterprises in the Energy Sector*

ENTERPRISES SURVEY

	Manufacture of Coke and Refined Petroleum Products (C19)				Electricity, Gas, Steam and Air Conditioning Supply (D35)			
	2008	2010	2012	2013**	2008	2010	2012	2013**
EU-28	*1 274*	*1 168*	1 153	1 205	*33 758*	*52 106*	70 066	97 000
BE		22	22	16		301	533	581
BG	21	17	14	10	583	1 091	1 703	1 785
CZ	22		34	34	1 264		5 991	8 382
DK	4	5	6	0	1 692	1 681	1 902	1 820
DE	86	95	99	100	1 589	1 722	1 899	1 899
EE	9	5	6	7	181	223	231	225
IE						236	211	231
EL	7	7	55	61	5	10	18	18
ES	13	18	20	14	12 004	13 098	13 986	13 867
FR	88	52	67	60	3 866	14 337	18 554	20 423
HR	19	17	18	15	133	234	388	513
IT	353	328	320		2 472	4 028	8 926	
CY					1	4		
LV	3	13	10	9	279	381	454	480
LT	5	6	6	7	213	253	488	766
LU	0	0	0	0	60	67	74	72
HU	10	9	14	14	542	611	670	674
MT								
NL	37	42	35	38	558	678	765	950
AT	5	4	4	4	1 512	1 878	2 142	2 201
PL	158	165	146	175	1 788	2 047	2 730	2 547
PT	5	8	15	14	665	730	881	870
RO	33	54	38	42	506	885	1 050	1 345
SI	5	3	5	7	417	648	1 305	1 526
SK					203	294	358	430
FI	13	15	17	16	722	736	783	796
SE	44	45	40	39	1 528	1 828	2 182	2 268
UK	245	170	148	134	478	651	1 829	2 578

* According to the Structural Business Statistics Survey (SBS).
** Provisional data.
Italics: DG Energy Estimations.

Source: Eurostat, June 2015
Methodology and Notes: See Annex 13 – No 3

3.3.2 Turnover in the Energy Sector*

ENTERPRISES SURVEY – EU-28

Mio EUR	2011	2012	2013**
B05: Mining of Coal and Lignite	16 365.1	*15 314.2*	13 365.1
B06: Extraction of Crude Petroleum and Natural Gas	172 310.9	*173 009.3*	174 919.3
B07.21: Mining of Uranium and Thorium Ores			
B08.92: Extraction of Peat	1 848.0	*1 941.1*	*1 531.2*
B09.1: Support Activities for Petroleum and Natural Gas Extraction	13 604.3	*14 721.3*	17 363.8
C19: Manufacture of Coke and Refined Petroleum Products	608 648.9	*626 195.9*	690 112.4
D35: Electricity, Gas, Steam and Air Conditioning Supply	1 352 488.8	*1 439 488.1*	1 715 584.8
D35.1: Electricity	1 066 428.3	*1 099 629.0*	1 334 375.4
35.11: Production of Electricity	321 547.1	*331 557.7*	*402 337.9*
35.12: Transmission of Electricity	51 471.5	*53 073.9*	*64 404.1*
35.13: Distribution of Electricity	221 571.8	*228 469.9*	*277 243.2*
35.14: Trade of Electricity	471 837.8	*486 527.3*	*590 390.1*
D35.2: Gas	250 655.4	*302 609.0*	333 246.6
35.21: Manufacture of Gas	6051.5	*7 305.8*	*8 045.5*
35.22: Distribution of Gaseous Fuels through Mains	71 228.1	*85 991.6*	*94 697.8*
35.23: Trade of Gas through Mains	173 299.1	*209 219.0*	*230 401.3*
D35.3: Steam and Air Conditioning	36 000.0	*37 250.1*	47 962.8
35.30: Steam and Air Conditioning Supply	36 000.0	*37 250.1*	*47 962.8*
Broad Sector – Total	2 165 266.0	*2 270 669.9*	*2 612 876.6*

* According to the Structural Business Statistics Survey (SBS).
** Provisional data.
Italics: DG Energy Estimations.

Source: Eurostat, June 2015
Methodology and Notes: **See Annex 13 – No 3**

3.3.2 Turnover in the Energy Sector*

ENTERPRISES SURVEY

	Mining of Coal and Lignite (B05)				Extraction of Crude Petroleum and Natural Gas (B06)			
Mio EUR	2008	2010	2012	2013**	2008	2010	2012	2013**
EU-28	*16674.9*	*15273.8*	15212.1	13365.1	*176436.0*	*146788.7*	181263.9	174919.3
BE	0.0			0.0		0.0	0.0	0.0
BG	326.6	331.1	347.9	287.5	40.9	25.5	103.9	80.7
CZ			2464.4	2097.4				
DK	0.0	0.0	0.0	0.0	9239.9	7049.9	7303.3	6726.5
DE	4015.8	3921.4	2895.9		3829.2	2762.1	3229.1	
EE	0.0	0.0	0.0	0.0				
IE								
EL	82.0							
ES	858.2	595.6	580.0	433.8	77.9	79.7	*108.0*	116.4
FR	47.6		0.0	0.0	851.0	728.4	859.5	711.8
HR	0.0		0.0	0.0				
IT					48042.4	46241.0	67624.6	67394.7
CY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LV		0.0	0.0	0.0	0.0			
LT	0.0	0.0	0.0	0.0	91.2	68.5	95.1	76.7
LU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HU	53.2	7.0	10.9	13.1	89.1	81.1	108.1	135.1
MT	0.0	0.0	0.0		0.0	0.0	0.0	
NL		0.0	0.0	0.0	37828.5	34861.9	44547.8	46068.0
AT	0.0	0.0	0.0	0.0				
PL	7212.1	5974.2	6785.3	6669.3				
PT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RO	485.1	357.9	235.6	102.0	5472.7	4191.4	5301.5	5051.5
SI								
SK						0.0		
FI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE								
UK	1024.8	1112.4			65153.9	44979.9	46160.4	42555.1

* According to the Structural Business Statistics Survey (SBS).
** Provisional data.
Italics: DG Energy Estimations.

Source: Eurostat, June 2015
Methodology and Notes: See Annex 13 – No 3

3.3.2 Turnover in the Energy Sector*

ENTERPRISES SURVEY

	Extraction of Peat** (B08.92)				Support Activities for Petroleum and Natural Gas Extraction (B09.1)			
Mio EUR	2008	2010	2011	2012	2008	2010	2011	2013***
EU-28	*1651.4*	*1837.0*	1848.0	1738.1	*13587.4*	*14661.9*	15381.2	17363.8
BE	0.0	0.0	0.0	0.0			12.7	
BG		0.6	1.5	0.9			0.4	1.2
CZ								
DK					358.5		614.1	490.3
DE	348.8	417.5	386.5	370.8				
EE	71.5	77.3	92.9	83.5	0.0	0.0	0.0	0.0
IE			241.2			0.0	0.0	0.0
EL		0.0						
ES	11.6	10.5	10.2	9.2	60.1		123.2	226.1
FR		74.2	91.4	61.2		301.7	*491.0*	539.7
HR		0.0	0.0	0.0				
IT	0.0	11.8	8.6	3.8			510.2	422.7
CY	0.0	0.0	0.0	0.0	0.0	0.0		
LV		101.4	105.1	120.1	0.0	0.0		
LT	32.5	39.9	46.7	49.7	0.0	0.0	0.0	0.0
LU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HU		3.2	2.8	2.6	146.1	94.8	132.5	130.5
MT	0.0	0.0	0.0	0.0				
NL								
AT					11.3	13.6	16.0	26.9
PL	39.3		46.1	45.9	213.9	377.7	330.1	424.9
PT	0.0	0.0	0.0	0.0			0.0	0.0
RO	1.1	0.3	0.6	0.9	973.4	874.0	613.7	796.4
SI	0.0	0.0	0.0	0.0				
SK								205.2
FI	460.1	554.4	549.2	517.3	0.0	0.0	0.0	0.0
SE	38.3	30.7	34.2	34.7			*202.0*	182.3
UK			122.8	75.9	7537.0	8374.6	8806.2	9952.7

* According to the Structural Business Statistics Survey (SBS).
** Data for 2013 on B08.92 is not released.
*** Provisional data.
Italics: DG Energy Estimations.

Source: Eurostat, June 2015
Methodology and Notes: **See Annex 13 – No 3**

3.3.2 Turnover in the Energy Sector*

ENTERPRISES SURVEY

	Manufacture of Coke and Refined Petroleum Products (C19)				Electricity, Gas, Steam and Air Conditioning Supply (D35)			
Mio EUR	2008	2010	2012	2013**	2008	2010	2012	2013***
EU-28	*547992.2*	*524276.7*	685390.3	690112.4	*1149803.8*	*1352488.8*	1560892.2	1715584.8
BE		48074.1	63875.7	59251.3		43772.3	41575.2	39765.2
BG					7313.3	7279.0	8446.3	7995.2
CZ	5021.9		5489.3	4835.4	30927.4		47542.4	45252.0
DK					20410.1	20377.5	24271.7	25157.8
DE	134361.4	120831.6	147203.9	97440.3	357896.1	426881.7	588644.7	644751.0
EE	179.9	178.0	290.8	297.0	1542.3	1833.5	2067.3	2244.0
IE						6706.4	7862.4	8090.1
EL	17296.6	15339.6	21307.9	20331.1	5977.0	5942.7	11455.3	9844.0
ES	44349.3	34773.4	57630.2	53508.0	74338.8	59705.8	99459.6	93620.4
FR	69128.4	61248.1	70354.9	80537.3	106500.6	109648.6	119308.1	120089.2
HR			38.9		3147.9	3684.4	4113.8	4336.7
IT	48947.8	46037.6	71424.9	61141.0	156801.7	160950.4	220848.5	214414.2
CY					738.2	782.3		
LV		0.6	0.7		2390.8	2310.5	2780.0	1980.7
LT					2690.3	3279.1	3436.3	3125.0
LU	0.0	0.0	0.0	0.0	2252.1	1951.3	2643.2	3118.4
HU	9384.0	8297.8	9278.8	8728.3	26852.9	22059.2	20142.6	18334.0
MT								
NL		37272.3	56872.0	52344.4	38660.1	41196.8	40934.5	38759.4
AT			10579.0	9586.2	27553.5	29297.1	38575.0	37355.9
PL	28312.7	27575.0	37847.3	34880.3	44091.4	42566.6	48158.0	46297.7
PT		8253.7	10413.3	10893.3	16854.6	16166.0	18251.7	18106.9
RO	4112.9	3272.0	4727.5	4323.3	13180.6	12077.5	13391.7	12671.6
SI	14.6		3.6	8.1	3580.0	4034.3	6591.9	5949.9
SK					11021.1	11351.0	14001.3	12834.5
FI			*12179.0*	11912.0	12012.3	14454.6	13709.5	12563.2
SE	1526.2				24823.9	28485.9	30870.6	30374.3
UK	49837.4	44763.5	66213.8	57838.8	107875.7	109515.1	130074.0	131000.7

* According to the Structural Business Statistics Survey (SBS).
** Provisional data.
*** Data for 2013 on B08.92 is not released.
Italics: DG Energy Estimations.

Source: Eurostat, June 2015
Methodology and Notes: See Annex 13 – No 3

3.3.3 Number of Persons Declared as Employed in the Energy Sector*

ENTERPRISES SURVEY – EU-28

	2011	2012	2013**
B05: Mining of Coal and Lignite	222 400	215 100	196 700
B06: Extraction of Crude Petroleum and Natural Gas	78 600	79 200	77 900
B07.21: Mining of Uranium and Thorium Ores			
B08.92: Extraction of Peat	12 100	11 600	*11 600*
B09.1: Support Activities for Petroleum and Natural Gas Extraction	51 200	53 200	56 700
C19: Manufacture of Coke and Refined Petroleum Products	125 800	127 500	126 200
D35: Electricity, Gas, Steam and Air Conditioning Supply	1 230 000	1 227 300	1 200 000
D35.1: Electricity	916 300	916 800	902 200
35.11: Production of Electricity	437 700	438 800	*431 812*
35.12: Transmission of Electricity	49 700	52 400	*51 566*
35.13: Distribution of Electricity	326 600	327 700	*322 481*
35.14: Trade of Electricity	102 400	97 900	*96 341*
D35.2: Gas	158 800	158 100	152 300
35.21: Manufacture of Gas	*7 634*	7 600	*7 321*
35.22: Distribution of Gaseous Fuels through Mains	107 100	106 800	*102 882*
35.23: Trade of Gas through Mains	*43 994*	43 800	*42 193*
D35.3: Steam and Air Conditioning	*157 238*	152 300	*152 253*
35.30: Steam and Air Conditioning Supply	*157 238*	152 300	*152 253*
Broad Sector – Employment Reported	*1 720 100*	1 713 900	*1 669 100*

* According to the Structural Business Statistics Survey (SBS).
** Provisional data.
Italics: DG Energy Estimations.

Source: Eurostat, June 2015
Methodology and Notes: **See Annex 13 – No 3**

3.3.3 Number of Persons Declared as Employed in the Energy Sector*

ENTERPRISES SURVEY

	Mining of Coal and Lignite (B05)				Extraction of Crude Petroleum and Natural Gas (B06)			
	2008	2010	2012	2013**	2008	2010	2012	2013**
EU-28	*253883*	*231167*	215100	*192500*	*88205*	*81574*	79200	77900
BE	0			0		0	0	0
BG	13905	13269	12941	12534				
CZ			22482	21597				
DK	0	0	0	0	444	566	955	936
DE	38415	33672	27044	*25653*	3544	3754	3842	3644
EE	0	0	0	0				
IE								
EL	159							
ES	7311	6105	4755	4012	215	242	*326*	339
FR		28	0	0		814	692	656
HR	0		0	0				
IT					13047	12116	12898	12908
CY	0	0	0	0	0	0	0	0
LV	18	0	0	0	0	1	16	15
LT	0	0	0	0	351	252	279	269
LU	0	0	0	0	0	0	0	0
HU	121	111	215	228	36	75	84	82
MT	0	0	0		0	0	0	
NL		0	0	0	3076	3173	3386	3627
AT	0	0	0	0				
PL	138338	124925	121920	116763				
PT	0	0	0	0	0	0	0	0
RO	20804	18011	11488	5758	38538	30546	26549	25680
SI							1	1
SK						0		
FI	0	0	0	0	0	0	0	0
SE								
UK	5944	6023	7977		13405	15300	15099	14363

* According to the Structural Business Statistics Survey (SBS).
** Provisional data.
Italics: DG Energy Estimations.

Source: Eurostat, June 2015
Methodology and Notes: See Annex 13 – No 3

3.3.3 Number of Persons Declared as Employed in the Energy Sector*

ENTERPRISES SURVEY

	Extraction of Peat** (B08.92)				Support Activities for Petroleum and Natural Gas Extraction (B09.1)			
	2008	2010	2011	2012	2008	2010	2012	2013***
EU-28	*12537*	*12080*	12100	11600	*47333*	*50570*	53200	56700
BE	0	0	0	0			10	
BG		52	111	122		14	27	
CZ							547	
DK					1716		3529	2823
DE	1912	2003	1942	1881				
EE	1276	1153	1105	1057	0	0	0	0
IE			1511			0	0	0
EL		0						
ES	57	48	39	38	224		188	217
FR		248	283			110		
HR		0	0	0				
IT	0	12	19	16			1696	1789
CY	0	0	0	0	0	0		
LV	1970	1977	1972	2160	0	0	4	1
LT	1229	1126	1134	1091	0	0	0	0
LU	0	0	0	0	0	0	0	0
HU		116	113	109	1275	1089	1253	1207
MT	0	0		0				
NL	36	22	15	128	2270			
AT					19	27	17	84
PL	711		639	528	2181	4082	4513	5126
PT	0	0	0	0			0	0
RO	41	26	39	38	9882	6267	6641	7526
SI	0	0	0	0				69
SK								754
FI	1735	1845	1864	1696	0	0	0	0
SE	358	306	311	296				101
UK	634	355	383	544	18489	22879		

* According to the Structural Business Statistics Survey (SBS).
** Data for 2013 on B08.92 is not released.
*** Provisional data.
Italics: DG Energy Estimations.

Source: Eurostat, June 2015
Methodology and Notes: **See Annex 13 – No 3**

3.3.3 Number of Persons Declared as Employed in the Energy Sector*

ENTERPRISES SURVEY

	Manufacture of Coke and Refined Petroleum Products (C19)				Electricity, Gas, Steam and Air Conditioning Supply (D35)			
	2008	2010	2012	2013**	2008	2010	2012	2013**
EU-28	*135372*	*128671*	127500	*126200*	*1243616*	*1235936*	1227300	1200000
BE		4091	4124	4166		19193	18605	19232
BG			2357	2208	36197	34191	33243	32828
CZ	2926		2233	2171	32652		32886	33544
DK					13206	11235	11160	10389
DE	19611	19452	19106	*19325*	221450	221264	222351	223244
EE	1330	1406	1583	1644	6290	5681	5444	5215
IE						9206	10529	10316
EL	4557	4333	3885	4384	23955	22834	21478	21612
ES	8823	8954	9199	8855	47622	48687	50383	38976
FR		15095				170194	178012	
HR			415		16849	16619	16494	15483
IT	16383	16493	15852	15333	84224	86414	88208	87883
CY					1427	1503	*1463*	
LV	9	12	36	30	12185	10907	10792	11121
LT					18303	15876	12712	13002
LU	0	0	0	0	1094	1198	1341	1419
HU	6538	6329	6455	6106	27387	25715	25244	24310
MT								
NL	6652	5908	5586	5213	23869	22882	26458	27056
AT			1207	1138	28218	28685	29129	28849
PL	16606	13623	13503	13228	153286	162409	147917	139933
PT		1887	1861	1952	10151	9386	9194	9033
RO	5017	3960	2985	2516	89511	81111	79663	77393
SI	93		38		7828	8207	8713	8936
SK					21641	20034	18547	17885
FI				2480	13430	13463	13805	11064
SE	2748				31151	31115	31469	31788
UK	9998		9756		121447	123965	120535	129496

* According to the Structural Business Statistics Survey (SBS).
** Provisional data.
Italics: DG Energy Estimations.

Source: Eurostat, June 2015
Methodology and Notes: See Annex 13 – No 3

3.4 Economy

3.4.1 GDP at Current Market Prices

Mrd EUR*	1995	2000	2005	2010	2012	2013	2014
EU-28	7279.2	9552.2	11502.1	12789.8	13424.4	13518.1	13929.2
BE	221.1	257.6	311.2	365.7	388.3	395.3	402.3
BG	11.0	14.5	23.6	36.8	40.9	41.0	42.0
CZ	45.5	66.6	109.4	156.4	160.9	157.3	154.9
DK	141.4	178.0	212.9	241.5	250.8	252.9	257.4
DE	1981.2	2113.5	2297.8	2576.2	2749.9	2809.5	2903.8
EE	2.9	6.2	11.3	14.7	17.6	18.7	19.5
IE	52.8	107.8	169.2	164.9	172.8	174.8	185.4
EL	105.0	143.5	199.2	226.2	194.2	182.4	179.1
ES	468.9	646.3	930.6	1080.9	1055.2	1049.2	1058.5
FR	1231.4	1485.3	1772.0	1998.5	2091.1	2113.7	2142.0
HR	17.1	23.6	36.5	45.0	43.9	43.6	43.1
IT	895.7	1239.8	1490.4	1605.7	1615.1	1609.5	1616.0
CY	7.6	10.7	14.9	19.1	19.4	18.1	17.5
LV	4.1	8.5	13.7	18.0	22.2	23.3	24.1
LT	5.1	12.4	21.0	28.0	33.3	35.0	36.3
LU	16.6	23.1	29.8	39.4	43.8	45.3	47.1
HU	35.3	51.1	90.0	97.8	98.7	100.5	103.3
MT	2.8	4.4	5.1	6.6	7.2	7.6	8.0
NL	340.2	448.7	540.7	631.5	640.6	642.9	655.4
AT	183.9	213.2	253.0	294.2	317.2	322.6	329.0
PL	108.7	186.4	244.8	359.8	386.1	396.1	413.1
PT	91.0	128.5	158.7	179.9	168.4	169.4	173.1
RO	28.8	40.8	80.2	126.7	133.8	144.3	150.0
SI	16.3	21.9	29.2	36.2	36.0	36.1	37.2
SK	15.3	22.3	39.3	67.2	72.2	73.6	75.2
FI	102.7	136.3	164.4	187.1	199.8	202.0	204.0
SE	201.8	281.9	313.2	369.1	423.3	436.3	429.5
UK	944.7	1679.3	1940.1	1816.6	2041.5	2017.2	2222.4

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

Source: DG Economic and Financial Affairs, AMECO, June 2015
Methodology and Notes: **See Annex 13 – No 3**

3.4.2 GDP per Capita at Current Market Prices

Thousand EUR/cap*	1995	2000	2005	2010	2012	2013	2014
EU-28	15.1	19.6	23.2	25.3	26.5	26.6	27.3
BE	21.8	25.1	29.7	33.6	35.1	35.6	36.1
BG	1.3	1.8	3.0	4.9	5.6	5.6	5.8
CZ	4.4	6.5	10.7	14.9	15.3	15.0	14.7
DK	27.0	33.3	39.3	43.5	44.9	45.1	45.6
DE	24.3	25.7	27.9	31.5	33.6	34.2	35.2
EE	2.0	4.4	8.3	11.0	13.3	14.2	14.8
IE	14.7	28.3	40.7	36.2	37.6	38.0	40.2
EL	9.9	13.1	18.0	20.3	17.5	16.5	16.3
ES	11.9	16.1	21.3	23.2	22.6	22.5	22.8
FR	20.7	24.4	28.1	30.8	31.9	32.1	32.4
HR	3.7	5.3	8.5	10.5	10.3	10.2	10.2
IT	15.8	21.8	25.6	26.8	26.8	26.5	26.6
CY	11.6	15.5	20.2	23.0	22.5	21.0	20.5
LV	1.7	3.6	6.1	8.6	10.9	11.6	12.1
LT	1.4	3.6	6.3	9.0	11.2	11.8	12.4
LU	40.6	52.9	63.9	77.6	82.4	83.1	84.5
HU	3.4	5.0	8.9	9.8	9.9	10.2	10.5
MT	7.5	11.3	12.7	15.9	17.2	17.9	18.6
NL	22.0	28.2	33.1	38.0	38.2	38.3	38.9
AT	23.1	26.6	30.8	35.2	37.6	38.1	38.5
PL	2.8	4.9	6.4	9.3	10.0	10.3	10.7
PT	9.1	12.5	15.1	17.0	16.0	16.2	16.6
RO	1.3	1.8	3.8	6.3	6.7	7.2	7.5
SI	8.2	11.0	14.6	17.7	17.5	17.5	18.1
SK	2.8	4.1	7.3	12.4	13.4	13.6	13.9
FI	20.1	26.3	31.3	34.9	36.9	37.1	37.4
SE	22.9	31.8	34.7	39.4	44.5	45.5	44.3
UK	16.3	28.5	32.1	28.9	32.0	31.5	34.4

* 1 000 € per Capita.

Source: DG Economic and Financial Affairs, AMECO, June 2015
Methodology and Notes: **See Annex 13 – No 3**

3.4.3 GDP at 2010 Market Prices

Mrd EUR*	1995	2000	2005	2010	2012	2013	2014
EU-28	9628.8	11114.8	12218.7	12789.8	12946.3	12948.8	13122.8
BE	273.0	315.0	343.4	365.7	372.1	373.1	377.0
BG	23.8	24.8	31.9	36.8	37.7	38.1	38.7
CZ	104.7	114.4	138.7	156.4	158.2	157.0	160.2
DK	194.3	225.4	241.0	241.5	242.7	241.5	244.3
DE	2143.2	2355.4	2423.5	2576.2	2678.8	2681.6	2724.6
EE	7.6	10.6	14.9	14.7	16.7	16.9	17.3
IE	81.7	129.3	163.9	164.9	169.0	169.3	177.4
EL	158.3	189.9	229.4	226.2	192.6	185.1	186.5
ES	710.5	867.9	1025.4	1080.9	1051.8	1038.9	1053.3
FR	1535.1	1771.7	1923.2	1998.5	2046.9	2052.7	2060.4
HR	29.8	35.3	44.0	45.0	43.9	43.5	43.3
IT	1409.6	1556.2	1630.7	1605.7	1570.4	1543.7	1537.3
CY	11.7	14.2	16.9	19.1	18.7	17.7	17.3
LV	9.5	12.2	18.2	18.0	19.8	20.7	21.2
LT	14.5	18.2	26.4	28.0	30.9	31.9	32.8
LU	22.5	30.3	35.3	39.4	40.3	41.1	42.4
HU	69.1	80.2	98.5	97.8	98.1	99.6	103.2
MT	4.3	5.4	6.0	6.6	6.9	7.1	7.4
NL	451.7	551.5	585.1	631.5	631.8	627.3	632.7
AT	218.4	253.5	276.0	294.2	305.9	306.6	307.6
PL	189.8	245.3	285.8	359.8	383.6	390.2	403.7
PT	136.9	167.1	174.5	179.9	169.5	166.8	168.3
RO	84.0	83.0	109.8	126.7	128.9	133.3	137.0
SI	22.6	27.9	33.2	36.2	35.5	35.1	36.1
SK	35.2	41.9	53.6	67.2	70.1	71.1	72.8
FI	123.4	158.1	179.6	187.1	189.2	186.7	186.5
SE	251.4	299.7	341.2	369.1	377.8	382.7	390.8
UK	1312.1	1530.6	1768.7	1816.6	1858.7	1889.6	1942.9

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

Source: DG Economic and Financial Affairs, AMECO, June 2015
Methodology and Notes: **See Annex 13 – No 3**

3.4.4 GDP per Capita at 2010 Market Prices

Thousand EUR/cap*	1995	2000	2005	2010	2012	2013	2014
EU-28	19.9	22.8	24.6	25.3	25.5	25.5	25.8
BE	26.9	30.7	32.8	33.6	33.7	33.6	33.8
BG	2.8	3.0	4.1	4.9	5.2	5.2	5.4
CZ	10.1	11.1	13.5	14.9	15.0	14.9	15.2
DK	37.2	42.2	44.5	43.5	43.4	43.0	43.3
DE	26.2	28.7	29.4	31.5	32.7	32.7	33.1
EE	5.3	7.5	11.0	11.0	12.6	12.8	13.1
IE	22.7	34.0	39.4	36.2	36.8	36.8	38.4
EL	14.9	17.4	20.7	20.3	17.4	16.8	17.0
ES	18.0	21.6	23.5	23.2	22.5	22.3	22.7
FR	25.8	29.1	30.5	30.8	31.2	31.1	31.1
HR	6.4	8.0	10.2	10.5	10.3	10.2	10.2
IT	24.8	27.3	28.0	26.8	26.0	25.5	25.3
CY	18.0	20.4	22.9	23.0	21.6	20.5	20.2
LV	3.8	5.1	8.1	8.6	9.8	10.3	10.6
LT	4.0	5.2	8.0	9.0	10.3	10.8	11.2
LU	54.9	69.3	75.7	77.6	75.9	75.4	76.0
HU	6.7	7.9	9.8	9.8	9.9	10.1	10.5
MT	11.4	13.8	14.8	15.9	16.5	16.8	17.2
NL	29.2	34.6	35.9	38.0	37.7	37.3	37.5
AT	27.5	31.6	33.6	35.2	36.3	36.2	36.0
PL	5.0	6.4	7.5	9.3	10.0	10.1	10.5
PT	13.7	16.2	16.6	17.0	16.1	16.0	16.2
RO	3.7	3.7	5.1	6.3	6.4	6.7	6.9
SI	11.4	14.0	16.6	17.7	17.3	17.1	17.5
SK	6.6	7.8	9.9	12.4	13.0	13.1	13.4
FI	24.2	30.5	34.2	34.9	34.9	34.3	34.1
SE	28.5	33.8	37.8	39.4	39.7	39.9	40.3
UK	22.6	26.0	29.3	28.9	29.2	29.5	30.1

* 1 000 €' 2010 per Capita.

Source: DG Economic and Financial Affairs, AMECO, June 2015
Methodology and Notes: See Annex 13 – No 3

3.5 Demography

3.5.1 Population

ON 1ST JANUARY

Thousand Inhabitants	1995	2000	2005	2010	2012	2013*	2014*
EU-28	483400.5	487677.9	496098.9	505182.4	507513.8	508480.4	509572.1
BE	10137.0	10246.0	10474.0	10883.0	11054.0	11105.0	11157.0
BG	8405.1	8167.7	7738.9	7534.3	7305.9	7270.6	7232.8
CZ	10330.8	10272.5	10234.1	10517.3	10509.3	10510.7	10523.5
DK	5230.0	5338.0	5419.0	5547.0	5591.0	5613.0	5643.0
DE	81661.0	82188.0	82464.0	81757.0	81917.0	82103.0	82407.0
EE	1441.1	1401.3	1358.9	1333.3	1325.2	1320.2	1315.8
IE	3601.3	3804.3	4160.0	4559.8	4590.2	4601.8	4614.8
EL	10634.4	10917.5	11092.9	11153.5	11092.8	11027.7	10992.8
ES	39388.0	40264.2	43662.6	46562.5	46766.4	46591.9	46464.1
FR	59501.0	60872.0	63133.0	64974.0	65609.0	65899.0	66189.0
HR	4651.2	4426.2	4311.7	4296.0	4268.4	4257.5	4232.8
IT	56844.3	56942.1	58190.6	59829.6	60339.1	60646.4	60795.3
CY	650.9	694.0	738.5	829.5	864.0	861.9	855.9
LV	2485.1	2367.6	2238.8	2097.3	2033.7	2012.8	1995.1
LT	3629.1	3499.5	3322.5	3097.3	2987.8	2957.7	2928.9
LU	409.5	437.0	465.7	507.5	531.5	545.3	557.8
HU	10329.0	10211.0	10087.1	10000.0	9920.4	9893.1	9863.3
MT	377.8	390.0	403.8	414.5	419.6	422.5	427.1
NL	15460.0	15922.0	16317.0	16612.0	16752.0	16800.0	16864.0
AT	7948.3	8011.6	8225.3	8361.1	8426.3	8477.2	8537.1
PL	38275.0	38256.0	38161.0	38517.0	38534.0	38502.0	38484.0
PT	10026.2	10289.9	10503.3	10573.1	10514.8	10457.3	10394.1
RO	22672.9	22435.2	21319.7	20246.8	20060.2	19985.8	19947.3
SI	1988.7	1989.4	2000.8	2048.8	2056.8	2059.6	2061.8
SK	5363.4	5400.7	5387.1	5430.0	5406.2	5413.0	5418.6
FI	5107.8	5176.2	5246.1	5363.4	5414.0	5439.0	5462.1
SE	8826.9	8872.1	9029.6	9378.1	9519.4	9600.4	9696.1
UK	58025.0	58886.0	60413.0	62759.0	63705.0	64106.0	64511.0

* Preliminary Data.

Source: DG Economic and Financial Affairs, AMECO, June 2015
Methodology and Notes: **See Annex 13 – No 3**

Environment
indicators in the EU

PART 4

Summary

4.1 Gases Emissions

4.1.1 GHGs Emissions

EU-28 AND MEMBER STATES – TOTAL

Million ton CO_2 equiv.	1995	2000	2005	2010	2012
EU-28	5451	5372	5477	5039	4824
Index 1995	100%	99%	100%	92%	89%
BE	166.2	166.6	170.6	159.4	140.2
BG	77.7	59.9	64.6	61.1	61.8
CZ	152.4	147.0	147.0	138.0	132.4
DK	83.1	75.0	69.1	66.0	55.7
DE	1139.5	1067.1	1025.8	980.1	972.9
EE	20.4	17.6	18.9	20.7	19.8
IE	60.4	70.5	72.5	64.7	60.7
EL	124.1	140.9	147.1	128.9	121.0
ES	339.5	409.4	468.8	386.9	381.3
FR	571.0	584.5	583.4	540.5	514.5
HR	23.8	26.9	31.0	29.2	26.7
IT	540.1	563.6	590.4	515.9	475.2
CY	8.5	10.3	11.7	11.4	10.7
LV	13.1	10.1	12.1	13.2	12.1
LT	22.6	20.0	23.9	21.7	22.2
LU	10.7	10.7	14.4	13.5	13.0
HU	79.0	77.2	79.2	68.3	62.5
MT	3.3	4.1	7.1	6.7	7.2
NL	266.3	265.6	274.6	262.8	245.4
AT	81.1	82.1	94.6	86.9	82.2
PL	442.3	397.8	400.8	409.7	401.4
PT	74.1	87.8	91.5	74.9	73.6
RO	175.9	134.5	141.7	116.3	119.2
SI	18.6	19.0	20.5	19.6	19.2
SK	53.3	49.0	50.4	45.5	42.8
FI	72.7	72.3	71.6	76.7	63.2
SE	79.2	75.4	75.6	74.0	65.7
UK	751.8	727.4	718.0	646.6	622.0

Source: EEA, UNFCCC v_15, May 2014
Methodology and Notes: **See Annex 13 – No 4**

4.1.1 GHGs Emissions

EU-28 AND MEMBER STATES – FUEL COMBUSTION

Million ton CO_2 equiv.	2012							
	Fuel Combustion	Energy Industries	Manufacturing Industries and Construction	Transport	Commercial/ Institutional	Residential	Agriculture/ Forestry/ Fisheries	Other Combustion and Fugitive Emissions
EU-28	3604	1409	533	893	176	425	78	90
Share (%)	74.7%	29.2%	11.0%	18.5%	3.6%	8.8%	1.6%	1.9%
BE	94.4	22.9	21.0	24.9	5.9	17.0	2.2	0.5
BG	47.2	31.6	3.3	8.4	0.3	1.4	0.5	1.6
CZ	107.1	57.4	16.6	16.9	3.3	7.5	0.2	5.2
DK	39.0	16.8	4.3	12.2	0.8	2.3	2.1	0.4
DE	786.0	364.8	115.1	155.5	38.2	94.5	6.4	11.6
EE	16.9	13.1	0.8	2.3	0.0	0.3	0.3	0.1
IE	37.1	12.8	4.3	10.9	2.1	6.2	0.8	0.0
EL	87.2	54.7	5.5	16.1	1.3	7.1	1.0	1.5
ES	265.5	91.9	46.4	80.7	13.5	17.6	11.0	4.4
FR	351.4	52.7	63.5	132.5	29.1	57.5	11.4	4.6
HR	18.9	5.6	2.8	5.7	0.5	1.8	0.7	1.7
IT	379.9	126.3	54.9	106.1	28.2	49.3	7.5	7.6
CY	6.6	3.6	0.4	2.1	0.0	0.4	0.1	0.0
LV	7.2	1.9	1.0	2.8	0.5	0.7	0.4	0.1
LT	11.9	4.4	1.3	4.5	0.3	0.9	0.1	0.3
LU	10.5	1.0	1.3	6.5	0.6	0.9	0.1	0.0
HU	45.5	16.5	4.0	10.8	3.4	7.6	0.9	2.2
MT	2.8	2.1	0.1	0.6	0.1	0.0	0.0	
NL	161.9	60.3	25.9	34.0	11.2	18.3	10.1	2.2
AT	59.7	12.4	15.6	21.6	1.4	7.2	0.9	0.5
PL	319.7	169.6	30.9	46.8	9.2	36.1	11.0	16.0
PT	47.9	17.4	7.5	17.0	1.1	2.3	1.1	1.4
RO	82.2	32.5	15.4	15.1	2.0	7.6	1.2	8.5
SI	15.5	6.0	1.6	5.8	0.4	1.1	0.2	0.3
SK	29.3	9.5	7.2	6.6	0.7	3.1	0.1	2.1
FI	47.8	20.7	8.4	12.7	1.0	1.7	1.5	1.8
SE	42.1	10.3	8.5	19.1	0.5	1.1	1.6	1.1
UK	482.5	190.2	65.5	114.8	20.1	73.6	4.7	13.6

Source: EEA, UNFCCC v_15, May 2014
Methodology and Notes: See Annex 13 – No 4

4.1.1 GHGs Emissions

EU-28 AND MEMBER STATES – OTHER THAN FUEL COMBUSTION

Million ton CO_2 equiv.	2012				
	Industrial Processes and Solvent Use	Agriculture	Waste and Other	International Aviation	International Maritime Transport
EU-28	331	469	141	135	146
Share (%)	6.9%	9.7%	2.9%	2.8%	3.0%
BE	11.4	9.3	1.5	4.1	19.6
BG	3.9	6.3	3.6	0.5	0.2
CZ	12.6	8.1	3.8	1.0	
DK	1.9	9.6	1.1	2.5	1.5
DE	70.0	69.5	13.6	25.6	8.2
EE	0.7	1.3	0.3	0.1	0.5
IE	2.5	18.0	1.0	1.8	0.4
EL	9.9	9.1	4.7	2.5	7.4
ES	24.7	37.7	12.9	13.6	26.9
FR	36.8	89.3	12.6	16.3	8.0
HR	3.0	3.4	1.1	0.3	
IT	29.7	34.3	16.2	9.4	5.7
CY	0.9	0.8	1.0	0.8	0.6
LV	0.7	2.4	0.6	0.4	0.8
LT	3.7	5.1	1.0	0.2	0.4
LU	0.6	0.7	0.1	1.1	0.0
HU	4.6	8.7	3.2	0.5	
MT	0.2	0.1	0.1	0.3	3.7
NL	10.1	15.9	3.7	10.2	43.6
AT	11.2	7.5	1.7	2.1	0.1
PL	27.7	36.7	15.2	1.7	0.5
PT	5.4	7.2	8.2	2.7	2.1
RO	12.5	18.2	5.8	0.4	0.0
SI	1.1	1.9	0.5	0.1	0.2
SK	8.2	3.1	2.2	0.1	0.0
FI	5.4	5.7	2.1	1.9	0.4
SE	6.2	7.6	1.6	2.2	5.9
UK	24.9	51.8	21.6	32.3	8.8

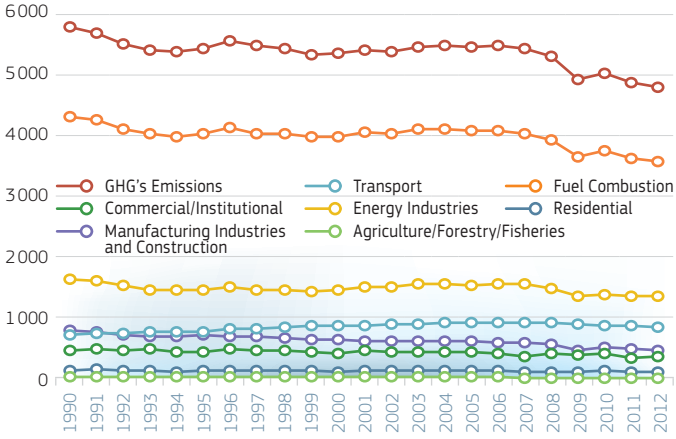
Source: EEA, UNFCCC v_15, May 2014
Methodology and Notes: See Annex 13 – No 4

4.1.1 GHGs Emissions

EU-28 – TOTAL AND FUEL COMBUSTION

Million ton CO_2 equiv.	GHG's Emissions	Fuel Combustion	Energy Industries	Manufacturing Industries and Construction	Transport	Commercial/ Institutional	Residential	Agriculture/ Forestry/ Fisheries
1990	5806	4325	1676	861	783	201	523	97
1991	5700	4287	1651	815	789	208	557	95
1992	5510	4133	1576	768	813	196	527	91
1993	5416	4062	1512	752	817	188	541	94
1994	5391	4017	1517	752	824	177	506	92
1995	5451	4058	1519	767	838	183	508	92
1996	5570	4166	1549	756	864	200	556	95
1997	5484	4066	1502	746	877	185	522	92
1998	5457	4057	1520	717	905	184	511	89
1999	5349	3994	1477	697	924	183	498	89
2000	5372	4004	1508	707	918	177	483	87
2001	5427	4080	1548	683	932	194	518	87
2002	5388	4050	1566	665	943	183	491	85
2003	5481	4136	1617	675	953	184	505	86
2004	5500	4130	1603	673	973	188	497	86
2005	5477	4103	1595	663	971	185	495	86
2006	5487	4107	1609	658	979	191	483	83
2007	5440	4044	1617	659	989	170	429	80
2008	5327	3961	1538	633	967	182	462	81
2009	4936	3678	1414	528	941	178	445	79
2010	5039	3783	1436	568	936	189	483	81
2011	4900	3642	1413	553	926	171	408	80
2012	4824	3604	1409	533	893	176	425	78

GHGs EMISSIONS – EU-28 – TOTAL AND FUEL COMBUSTION (MILLION ton CO_2 EQUIV.)



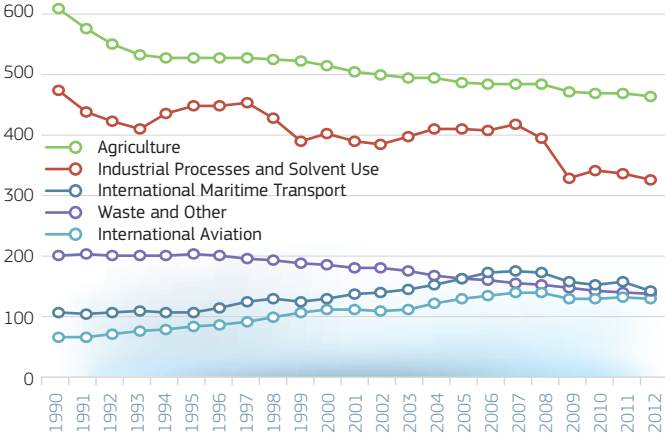
Source: EEA, UNFCCC v_15, May 2014
Methodology and Notes: See Annex 13 – No 4

4.1.1 GHGs Emissions

EU-28 – OTHER THAN FUEL COMBUSTION

Million ton CO_2 equiv.	Industrial Processes and Solvent Use	Agriculture	Waste and Other	International Aviation	International Maritime Transport
1990	479	617	206	70	110
1991	444	583	208	69	109
1992	428	558	206	74	110
1993	417	539	206	79	114
1994	441	533	206	82	110
1995	455	533	207	87	111
1996	454	535	205	91	118
1997	460	534	201	95	128
1998	434	532	199	102	133
1999	396	528	192	110	127
2000	407	521	190	116	134
2001	394	512	186	115	140
2002	390	507	185	112	144
2003	402	499	179	117	148
2004	417	500	171	125	157
2005	416	493	166	132	166
2006	413	490	164	138	176
2007	424	490	160	142	179
2008	400	489	156	143	177
2009	335	478	152	133	160
2010	345	475	147	132	156
2011	342	475	144	136	161
2012	331	469	141	135	146

GHGs EMISSIONS – EU-28 – OTHER THAN FUEL COMBUSTION (MILLION ton CO_2 EQUIV.)



Source: EEA, UNFCCC v_15, May 2014
Methodology and Notes: See Annex 13 – No 4

4.1.2 CO_2 Emissions

EU-28 AND MEMBER STATES – TOTAL

Million ton CO_2	1995	2000	2005	2010	2012
EU-28	4365	4384	4559	4194	3995
Index 1995	100%	100%	104%	96%	92%
BE	140.2	145.8	152.8	142.2	124.3
BG	59.8	46.0	51.2	48.5	49.1
CZ	129.5	126.7	127.2	118.1	112.2
DK	67.8	60.3	56.2	53.4	43.4
DE	952.6	918.0	892.8	862.8	855.2
EE	18.3	15.5	16.9	18.6	17.7
IE	36.8	47.0	50.5	44.0	40.2
EL	100.3	116.5	124.4	107.6	100.3
ES	280.1	337.1	402.5	319.7	316.8
FR	413.1	435.4	446.0	409.9	387.4
HR	17.5	20.3	23.8	21.6	19.5
IT	454.7	474.5	504.1	441.4	401.6
CY	6.8	8.5	9.7	9.2	8.5
LV	9.6	7.1	8.7	9.7	8.6
LT	15.6	12.2	14.6	14.3	14.8
LU	9.8	9.7	13.4	12.5	12.0
HU	61.9	58.7	60.7	52.3	46.6
MT	3.0	3.9	6.7	6.3	6.8
NL	213.7	222.4	240.9	234.7	218.8
AT	65.3	67.7	81.4	74.5	69.9
PL	362.2	320.5	320.3	331.8	323.0
PT	57.1	69.4	73.0	56.7	55.1
RO	126.9	93.3	99.7	80.4	84.3
SI	15.1	15.3	16.8	16.3	15.9
SK	44.7	41.1	42.0	37.6	35.3
FI	59.9	59.9	59.4	65.8	53.0
SE	63.9	60.8	61.8	61.1	53.6
UK	579.1	590.6	601.0	542.6	521.2

Source: EEA, UNFCCC v_15, May 2014
Methodology and Notes: See Annex 13 – No 4

4.1.2 CO_2 Emissions

EU-28 AND MEMBER STATES – FUEL COMBUSTION

Million ton CO_2	2012							
	Fuel Combustion	Energy Industries	Manufacturing Industries and Construction	Transport	Commercial/ Institutional	Residential	Agriculture/ Forestry/ Fisheries	Other Combustion and Fugitive Emissions
EU-28	3495	1396	526	882	174	410	74	32
Share (%)	87.5%	34.9%	13.2%	22.1%	4.4%	10.3%	1.9%	0.8%
BE	92.9	22.7	20.7	24.7	5.9	16.7	2.1	0.1
BG	45.0	31.4	3.3	8.3	0.3	1.1	0.5	0.0
CZ	101.6	57.1	16.5	16.2	3.3	6.9	0.2	1.4
DK	38.2	16.5	4.2	12.1	0.8	2.1	2.1	0.3
DE	768.0	360.1	114.1	153.9	38.0	93.3	6.2	2.4
EE	16.6	13.0	0.8	2.3	0.0	0.2	0.3	0.0
IE	36.5	12.6	4.3	10.8	2.1	6.0	0.7	
EL	85.0	54.5	5.5	15.8	1.3	6.9	0.9	0.0
ES	260.5	91.1	45.5	79.8	13.2	16.7	10.9	3.3
FR	344.3	52.1	62.6	130.9	28.7	55.4	11.3	3.4
HR	17.5	5.6	2.8	5.6	0.5	1.7	0.7	0.5
IT	368.5	125.6	53.7	104.8	27.7	47.3	6.8	2.5
CY	6.5	3.5	0.4	2.1	0.0	0.4	0.1	0.0
LV	6.8	1.9	0.9	2.7	0.4	0.5	0.4	0.0
LT	11.3	4.4	1.3	4.5	0.3	0.8	0.1	0.0
LU	10.3	1.0	1.3	6.4	0.6	0.9	0.1	0.0
HU	42.9	16.5	4.0	10.7	3.3	7.3	0.9	0.2
MT	2.8	2.1	0.1	0.5	0.1	0.0	0.0	
NL	159.0	59.9	25.8	33.7	11.1	17.9	9.2	1.4
AT	58.5	12.3	15.4	21.4	1.4	6.9	0.8	0.3
PL	302.1	168.6	30.6	46.1	9.1	33.5	10.4	3.7
PT	46.7	17.3	7.4	16.8	1.1	2.0	1.0	1.0
RO	73.4	32.4	15.3	14.9	2.0	6.5	1.2	1.2
SI	14.9	6.0	1.6	5.7	0.4	0.9	0.2	0.1
SK	28.0	9.4	7.2	6.5	0.7	3.1	0.1	1.0
FI	46.5	20.4	8.2	12.5	1.0	1.4	1.5	1.5
SE	40.6	9.7	8.2	18.9	0.5	0.8	1.5	1.0
UK	470.1	188.3	64.5	113.8	20.1	73.0	4.2	6.3

Source: EEA, UNFCCC v_15, May 2014
Methodology and Notes: See Annex 13 – No 4

4.1.2 CO_2 Emissions

EU-28 AND MEMBER STATES – OTHER THAN FUEL COMBUSTION

	2012			
Million ton CO_2	Industrial Processes and Solvent Use	Waste and Other	International Aviation	International Maritime Transport
EU-28	219	3	133	145
Share (%)	5.5%	0.1%	3.3%	3.6%
BE	7.2	0.5	4.0	19.6
BG	3.3	0.0	0.5	0.2
CZ	9.5	0.2	0.9	
DK	1.2	0.0	2.5	1.5
DE	53.7		25.3	8.2
EE	0.5	0.0	0.1	0.5
IE	1.5	0.0	1.7	0.4
EL	5.5	0.0	2.5	7.3
ES	16.1	0.0	13.5	26.6
FR	17.7	1.2	16.2	8.0
HR	1.8	0.0	0.3	
IT	18.0	0.2	9.3	5.6
CY	0.6		0.8	0.6
LV	0.6	0.0	0.4	0.8
LT	2.9	0.0	0.2	0.4
LU	0.5		1.1	0.0
HU	3.1	0.1	0.5	
MT	0.0	0.0	0.3	3.7
NL	6.2		10.1	43.4
AT	9.2	0.0	2.1	0.0
PL	18.5	0.3	1.7	0.5
PT	3.6	0.0	2.7	2.1
RO	10.5	0.0	0.4	0.0
SI	0.8	0.0	0.1	0.2
SK	7.3	0.0	0.1	0.0
FI	4.2		1.9	0.4
SE	5.0	0.1	2.2	5.8
UK	10.1	0.3	32.0	8.8

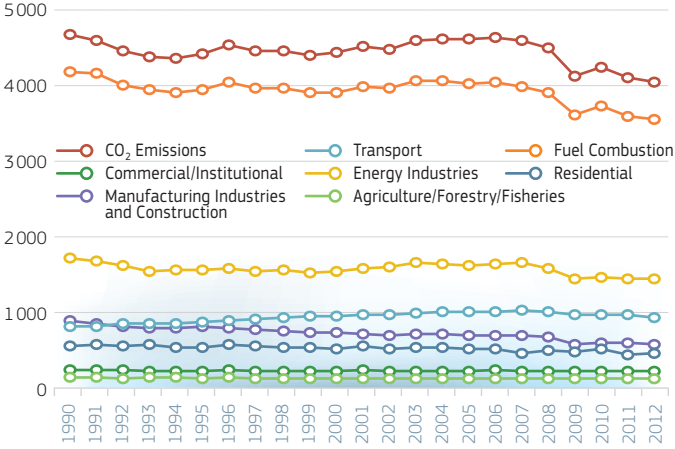
Source: EEA, UNFCCC v_15, May 2014
Methodology and Notes: See Annex 13 – No 4

4.1.2 CO_2 Emissions

EU-28 – TOTAL AND FUEL COMBUSTION

Million ton CO_2	CO_2 Emissions	Fuel Combustion	Energy Industries	Manufacturing Industries and Construction	Transport	Commercial/ Institutional	Residential	Agriculture/ Forestry/ Fisheries
1990	4615	4136	1665	852	769	199	504	93
1991	4555	4106	1640	807	777	206	537	92
1992	4403	3959	1566	760	799	194	508	87
1993	4333	3890	1502	744	804	187	522	90
1994	4311	3854	1507	744	810	175	489	89
1995	4365	3895	1508	759	822	181	492	89
1996	4477	4003	1539	748	847	198	538	91
1997	4400	3907	1492	738	860	183	505	88
1998	4409	3907	1509	709	887	183	495	85
1999	4345	3849	1467	689	907	182	483	85
2000	4384	3864	1498	699	903	175	468	83
2001	4459	3944	1537	675	918	192	503	83
2002	4434	3918	1555	657	929	182	478	82
2003	4539	4006	1606	667	940	183	491	82
2004	4567	4005	1592	665	960	187	483	82
2005	4559	3981	1583	655	959	183	481	83
2006	4586	3988	1597	650	967	189	469	80
2007	4542	3931	1605	651	977	168	415	76
2008	4441	3848	1526	625	955	181	447	77
2009	4078	3570	1402	522	930	176	431	75
2010	4194	3674	1423	560	925	187	468	77
2011	4062	3534	1401	546	915	169	394	75
2012	3995	3495	1396	526	882	174	410	74

CO_2 EMISSIONS – EU-28 – TOTAL AND FUEL COMBUSTION (MILLION ton CO_2)



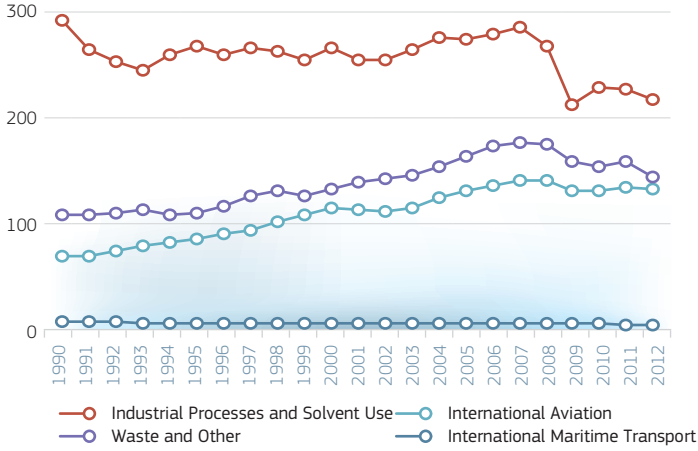
Source: EEA, UNFCCC v_15, May 2014
Methodology and Notes: See Annex 13 – No 4

4.1.2 CO_2 Emissions

EU-28 – OTHER THAN FUEL COMBUSTION

Million ton CO_2	Industrial Processes and Solvent Use	Waste and Other	International Aviation	International Maritime Transport
1990	296	4.9	69	109
1991	268	4.9	68	108
1992	256	5.0	74	109
1993	247	4.8	78	113
1994	262	4.6	81	109
1995	271	4.2	86	110
1996	263	4.1	90	117
1997	269	3.6	94	126
1998	266	3.6	101	132
1999	257	3.3	109	126
2000	269	3.3	115	133
2001	258	3.2	114	139
2002	258	3.5	111	143
2003	267	3.5	115	147
2004	279	3.4	124	156
2005	278	3.6	131	165
2006	282	3.5	137	175
2007	290	3.4	141	178
2008	272	3.4	142	176
2009	214	3.2	131	159
2010	231	3.3	131	155
2011	230	3.1	135	159
2012	219	2.9	133	145

CO_2 EMISSIONS – EU-28 – OTHER THAN FUEL COMBUSTION (MILLION ton CO_2)



Source: EEA, UNFCCC v_15, May 2014
Methodology and Notes: See Annex 13 – No 4

4.2 Main Emissions Indicators

4.2.1 CO_2 per Capita

kg CO_2/cap	1995	2000	2005	2010	2012
EU-28	9030	8990	9190	8301	7872
Index 1995	100.0%	99.6%	101.7%	91.9%	87.2%
BE	13827	14235	14591	13065	11245
BG	7115	5628	6635	6442	6715
CZ	12534	12338	12427	11232	10678
DK	12973	11303	10363	9627	7769
DE	11665	11170	10826	10553	10440
EE	12719	11093	12575	13959	13383
IE	10206	12349	12130	9658	8747
EL	9436	10670	11217	9645	9039
ES	7112	8373	9275	6867	6774
FR	6942	7152	7084	6308	5904
HR	3763	4592	5358	5026	4567
IT	7998	8333	8601	7378	6656
CY	10430	12188	13070	11134	9842
LV	3859	2988	3908	4604	4209
LT	4307	3485	4388	4611	4939
LU	23875	22289	28781	24711	22548
HU	5989	5753	6020	5235	4694
MT	8039	10065	16702	15158	16238
NL	13824	13965	14764	14129	13061
AT	8216	8456	9898	8906	8290
PL	9463	8377	8394	8614	8382
PT	5691	6742	6922	5364	5242
RO	5599	4158	4675	3971	4203
SI	7576	7681	8408	7941	7731
SK	8330	7606	7795	6919	6536
FI	11718	11581	11330	12268	9786
SE	7240	6856	6839	6515	5635
UK	9981	10030	9978	8646	8182

Source: EEA, UNFCCC v_15, May 2014, AMECO, May 2015
Methodology and Notes: **See Annex 13 – No 4**

4.2.2 Carbon GDP Intensity

ton CO_2/M€'10	1995	2000	2005	2010	2012
EU-28	453	394	373	328	309
Index 1995	100 %	87 %	82 %	72 %	68 %
BE	513	463	445	389	334
BG	2 512	1 856	1 603	1 320	1 302
CZ	1 237	1 108	917	755	710
DK	349	268	233	221	179
DE	444	390	368	335	319
EE	2 396	1 470	1 135	1 265	1 064
IE	450	363	308	267	238
EL	634	614	542	476	521
ES	394	388	393	296	301
FR	269	246	232	205	189
HR	586	576	542	480	444
IT	323	305	309	275	256
CY	579	596	571	484	456
LV	1 006	581	480	536	432
LT	1 081	671	552	510	478
LU	435	322	380	319	297
HU	895	733	616	535	475
MT	703	728	1 129	952	985
NL	473	403	412	372	346
AT	299	267	295	253	228
PL	1 908	1 306	1 121	922	842
PT	417	415	418	315	325
RO	1 510	1 124	908	634	654
SI	666	548	506	449	448
SK	1 268	980	784	559	504
FI	485	379	331	352	280
SE	254	203	181	166	142
UK	441	386	340	299	280

Source: EEA, UNFCCC v_15, May 2014, AMECO, May 2015
Methodology and Notes: **See Annex 13 – No 4**

Country Profiles

PART 5

Summary

5.0 European Union 28

Mtoe, unless otherwise stated	1995	2000	2005	2010	2012	2013
Production	**964.9**	**946.8**	**906.5**	**845.5**	**810.5**	**804.2**
Solid Fuels	279.8	214.6	196.0	164.8	167.5	156.5
of which Hard Coal	174.9	120.7	100.1	74.8	73.2	64.8
Petroleum and Products	177.5	175.7	138.0	109.9	89.9	85.5
of which Crude and NGL	172.3	169.9	129.9	94.2	74.1	69.5
Gases	191.4	209.4	190.8	159.9	133.4	132.0
of which Natural Gas	191.0	209.2	190.7	159.9	133.4	131.9
Nuclear	227.3	243.8	257.5	236.6	227.7	226.3
Renewables	83.2	97.1	116.3	163.3	180.1	192.0
Wastes, Non-Renewable	5.7	6.1	7.8	11.0	11.7	11.9
Net Imports	**734.4**	**826.3**	**979.7**	**955.0**	**923.6**	**909.0**
Solid Fuels	78.4	98.3	125.4	111.8	124.3	126.6
of which Hard Coal	76.6	94.3	122.8	111.2	125.5	126.5
Petroleum and Products	508.4	532.2	597.5	558.8	532.0	523.6
of which Crude and NGL	471.5	502.2	564.7	524.0	529.3	500.5
Gases	145.5	193.4	254.1	278.0	258.8	252.6
of which Natural Gas	145.5	193.4	254.1	278.0	258.8	252.6
Renewables	0.3	0.3	1.4	5.6	6.8	4.9
Electricity	1.8	2.0	1.4	0.7	1.6	1.1
Gross Inland Consumption	**1 671.1**	**1 726.8**	**1 824.7**	**1 760.6**	**1 686.1**	**1 666.3**
Solid Fuels	365.0	321.3	318.1	283.0	294.2	286.5
of which Hard Coal	257.6	221.5	220.4	192.0	200.4	195.8
Petroleum and Products	651.7	660.0	677.0	613.0	570.3	556.6
of which Crude and NGL	645.9	674.0	694.5	618.9	602.4	568.2
Gases	336.1	396.1	445.3	447.4	393.4	386.9
of which Natural Gas	335.6	395.9	445.2	447.3	393.4	386.8
Nuclear	227.3	243.8	257.5	236.6	227.7	226.3
Renewables	83.5	97.5	117.6	168.9	186.9	196.8
Electricity	1.8	2.0	1.4	0.7	1.6	1.1
Wastes, Non-Renewable	5.7	6.1	7.8	11.0	11.9	12.1
Primary Energy Consumption	**1 565.6**	**1 616.4**	**1 708.8**	**1 652.5**	**1 584.2**	**1 566.6**
Available for Final Consumption	**1 185.0**	**1 235.7**	**1 304.0**	**1 270.6**	**1 204.2**	**1 204.2**
Final Non-Energy Consumption	**105.5**	**110.4**	**115.9**	**108.1**	**101.8**	**99.7**
Final Energy Consumption	**1 078.8**	**1 130.6**	**1 186.4**	**1 157.2**	**1 102.4**	**1 103.8**
by Fuel/Product						
Solid Fuels	83.0	62.0	54.0	49.8	48.1	47.6
Petroleum and Products	464.2	489.7	502.6	457.4	429.2	425.0
Gases	247.2	267.6	281.2	273.2	252.1	259.8
Biomass and Renewable Wastes	42.5	47.2	54.1	74.9	79.2	79.7
Solar	0.3	0.4	0.7	1.5	1.8	1.9
Geothermal	0.4	0.4	0.4	0.4	0.5	0.5
Electricity	194.3	217.6	239.5	244.5	240.5	238.3
Derived heat	45.4	44.6	52.4	52.9	48.2	48.0
Wastes, Non-Renewable	1.6	1.0	1.4	2.6	2.8	2.9
by Sector						
Industry	329.5	331.9	326.9	285.7	274.6	276.6
Transport	306.8	345.2	369.5	364.6	352.0	348.5
Households	283.6	294.4	305.5	311.1	293.8	295.9
Services	115.4	117.7	144.3	159.9	151.8	152.5
Agriculture and Fishing	31.6	28.8	28.3	25.6	24.8	25.0
Other	12.1	12.6	11.9	10.3	5.5	5.2

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

	1995	2000	2005	2010	2012	2013
Installed Capacity (GW)	**618.5**	**681.1**	**758.2**	**883.7**	**946.5**	**958.5**
Combustible Fuels	353.3	391.5	435.1	487.9	494.1	482.5
Nuclear	128.4	136.6	135.0	131.7	123.2	123.0
Hydro	133.5	139.0	143.4	147.5	148.9	150.1
Wind	2.4	12.7	40.6	84.6	106.4	117.9
Solar PV	0.0	0.2	2.3	29.4	68.8	79.6
Geothermal	0.5	0.6	0.7	0.8	0.8	0.8
Tide, Wave and Ocean	0.2	0.2	0.2	0.2	0.2	0.2
Other Sources	0.1	0.2	0.9	0.9	2.0	2.1
Gross Electricity Generation (TWh)	**2 743.0**	**3 035.2**	**3 325.1**	**3 364.4**	**3 296.6**	**3 261.5**
Solid Fuels	945.9	933.9	960.6	830.2	901.7	871.8
Petroleum and Products	230.3	181.3	142.8	86.9	74.1	61.3
Gases	294.1	513.1	704.4	797.8	614.9	540.4
Nuclear	880.8	945.0	997.7	916.6	882.4	876.8
Renewables	382.1	448.0	495.1	709.8	798.5	886.0
Wastes, non-RES	8.7	12.1	14.2	18.9	20.4	20.7
Cogeneration Heat and Power						
CHP Electrical Capacity (GW)				108.5	111.4	113.0
CHP Electricity Generation (TWh)				395.4	386.7	382.0
CHP in Total Electricity Generation (%)				11.8 %	11.7 %	11.7 %
CHP Heat Production (PJ)				3 041.8	3 041.1	2 899.3
Transport Fuels (ktoe)						
Final Consumption Petroleum Products	300 217	337 457	357 839	343 432	329 156	326 761
Motor Gasoline	138 156	134 175	115 358	91 802	82 238	79 337
Gas/Diesel Oil	123 242	153 228	185 938	195 434	191 173	191 628
Final Consumption Biofuels	216	709	3 279	13 067	14 361	13 014
Biogasoline	24	58	560	2 806	2 858	2 717
Biodiesel	187	636	2 565	10 222	11 492	10 293
Main Energy Indicators						
Energy Intensity (toe/M€'10)	174	155	149	138	130	129
Energy per Capita (kgoe/cap)	3 457	3 541	3 678	3 485	3 322	3 277
Final Electricity per Capita (KWh/cap)	4 674	5 190	5 615	5 628	5 511	5 450
Primary Energy Intensity (toe/M€'10)	163	145	140	129	122	121
Import Dependency (%)	**43.0 %**	**46.7 %**	**52.2 %**	**52.8 %**	**53.3 %**	**53.2 %**
on Solid Fuels	21.5 %	30.6 %	39.4 %	39.5 %	42.2 %	44.2 %
on Hard Coal	29.7 %	42.6 %	55.7 %	57.9 %	62.6 %	64.6 %
on Petroleum Fuels	74.0 %	75.8 %	82.2 %	84.4 %	86.4 %	87.4 %
on Crude and NGL	73.0 %	74.5 %	81.3 %	84.7 %	87.9 %	88.1 %
on Natural Gas	43.4 %	48.9 %	57.1 %	62.2 %	65.8 %	65.3 %
RES of the Gross Final Energy (%)						
Overall RES with Aviation Cap				12.5 %	14.3 %	15.0 %
RES-H&C – Heating and Cooling				14.1 %	16.1 %	16.5 %
RES-E – Electricity Generation				19.6 %	23.5 %	25.4 %
RES-T – Transport				4.8 %	5.1 %	5.4 %
Gases emissions (Mio ton CO_2)						
CO_2 Emissions	4 365	4 384	4 559	4 194	3 995	
GHGs Emissions	5 451	5 372	5 477	5 039	4 824	
Main Emissions Indicators						
CO_2 per Capita (kg CO_2/cap)	9 030	8 990	9 189	8 301	7 872	
Carbon Intensity (kg CO_2/toe)	2 612	2 539	2 498	2 382	2 369	
CO_2 GDP Intensity (ton CO_2/M€'10)	453	394	373	328	309	

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

5.1 Belgium

Mtoe, unless otherwise stated	1995	2000	2005	2010	2012	2013
Production	**11.8**	**13.6**	**13.7**	**16.0**	**14.6**	**15.3**
Solid Fuels	0.3	0.2	0.1			
of which Hard Coal	0.3	0.2	0.1			
Petroleum and Products			0.0	0.6	0.6	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	12.4	10.4	11.0
Renewables	0.4	0.5	0.9	2.2	2.8	2.9
Wastes, Non-Renewable	0.4	0.4	0.5	0.8	0.8	0.7
Net Imports	**46.8**	**50.5**	**53.4**	**53.8**	**46.3**	**48.8**
Solid Fuels	9.4	7.2	5.2	3.6	2.9	3.1
of which Hard Coal	8.9	6.6	5.0	3.7	3.1	3.1
Petroleum and Products	26.5	29.5	32.6	32.8	27.8	29.8
of which Crude and NGL	26.3	34.2	31.9	33.3	31.5	28.0
Gases	10.4	13.3	14.8	16.8	14.2	14.5
of which Natural Gas	10.4	13.3	14.8	16.8	14.2	14.5
Renewables	0.1	0.1	0.3	0.6	0.5	0.6
Electricity	0.4	0.4	0.5	0.0	0.9	0.8
Gross Inland Consumption	**53.9**	**59.3**	**59.0**	**61.3**	**54.8**	**56.7**
Solid Fuels	8.7	7.9	5.1	3.7	3.1	3.2
of which Hard Coal	8.2	7.3	4.9	3.7	3.3	3.3
Petroleum and Products	22.7	24.1	24.7	24.7	21.9	23.1
of which Crude and NGL	26.4	34.1	32.0	33.3	31.6	28.0
Gases	10.6	13.4	14.7	17.0	14.4	14.4
of which Natural Gas	10.6	13.4	14.7	17.0	14.4	14.4
Nuclear	10.7	12.4	12.3	12.4	10.4	11.0
Renewables	0.5	0.6	1.2	2.8	3.4	3.5
Electricity	0.4	0.4	0.5	0.0	0.9	0.8
Wastes, Non-Renewable	0.4	0.4	0.5	0.8	0.8	0.7
Primary Energy Consumption	**48.1**	**52.6**	**51.5**	**52.8**	**46.2**	**47.4**
Available for Final Consumption	**40.0**	**44.8**	**44.4**	**46.7**	**41.9**	**44.0**
Final Non-Energy Consumption	**5.8**	**6.7**	**7.5**	**8.5**	**8.6**	**9.3**
Final Energy Consumption	**34.6**	**37.8**	**36.7**	**37.5**	**33.8**	**34.8**
by Fuel/Product						
Solid Fuels	3.3	3.4	2.0	1.6	1.4	1.5
Petroleum and Products	16.2	16.7	16.6	15.3	13.8	13.9
Gases	8.5	10.0	10.0	11.1	9.4	10.0
Biomass and Renewable Wastes	0.3	0.4	0.6	1.5	1.6	1.7
Solar	0.0	0.0	0.0	0.0	0.0	0.0
Geothermal				0.0	0.0	0.0
Electricity	5.9	6.7	6.9	7.2	7.0	7.0
Derived heat	0.2	0.5	0.4	0.6	0.5	0.6
Wastes, Non-Renewable	0.1	0.1	0.1	0.1	0.2	0.1
by Sector						
Industry	12.0	14.2	11.8	11.7	10.3	10.5
Transport	8.7	9.7	10.0	10.6	9.9	9.8
Households	9.3	9.5	9.9	9.3	8.4	9.0
Services	3.5	3.5	4.2	5.0	4.5	4.8
Agriculture and Fishing	1.1	0.8	0.8	0.9	0.7	0.7
Other	0.0	0.0	0.0	0.1	0.1	0.0

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

	1995	2000	2005	2010	2012	2013
Installed Capacity (GW)	**14.9**	**15.7**	**16.1**	**18.7**	**20.8**	**20.8**
Combustible Fuels	7.9	8.5	8.7	9.5	9.5	8.9
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
Wind	0.0	0.0	0.2	0.9	1.4	1.7
Solar PV			0.0	0.9	2.6	2.9
Geothermal						
Tide, Wave and Ocean						
Other Sources						
Gross Electricity Generation (TWh)	**74.4**	**84.0**	**87.0**	**95.1**	**83.1**	**83.5**
Solid Fuels	16.5	12.9	8.2	4.2	3.4	3.0
Petroleum and Products	1.3	0.8	1.7	0.4	0.3	0.2
Gases	12.9	19.1	25.1	33.2	25.6	23.1
Nuclear	41.4	48.2	47.6	47.9	40.3	42.6
Renewables	1.6	2.3	3.4	7.9	11.8	12.9
Wastes, non-RES	0.7	0.8	0.7	1.3	1.5	1.4
Cogeneration Heat and Power						
CHP Electrical Capacity (GW)			1.9	2.6	2.3	2.3
CHP Electricity Generation (TWh)			7.4	15.2	12.9	12.7
CHP in Total Electricity Generation (%)			8.5 %	16.0 %	15.5 %	15.2 %
CHP Heat Production (PJ)			75.9	0.0	88.4	27.1
Transport Fuels (ktoe)						
Final Consumption Petroleum Products	8531	9623	9828	10096	9376	9241
Motor Gasoline	3038	2408	1852	1260	1188	1193
Gas/Diesel Oil	4313	5454	6541	7399	6784	6726
Final Consumption Biofuels				352	346	329
Biogasoline				53	48	48
Biodiesel				299	298	281
Main Energy Indicators						
Energy Intensity (toe/M€'10)	198	188	172	168	147	152
Energy per Capita (kgoe/cap)	5321	5788	5634	5637	4955	5108
Final Electricity per Capita (KWh/cap)	6752	7568	7657	7655	7356	7293
Primary Energy Intensity (toe/M€'10)	176	167	150	144	124	127
Import Dependency (%)	**80.9 %**	**78.1 %**	**80.1 %**	**78.0 %**	**76.1 %**	**77.5 %**
on Solid Fuels	108.9 %	91.1 %	101.4 %	97.8 %	94.4 %	95.1 %
on Hard Coal	108.5 %	90.4 %	100.9 %	100.2 %	94.1 %	93.7 %
on Petroleum Fuels	99.6 %	100.2 %	100.8 %	101.4 %	99.3 %	102.0 %
on Crude and NGL	99.8 %	100.2 %	99.5 %	99.9 %	99.7 %	100.1 %
on Natural Gas	98.2 %	99.3 %	100.6 %	98.8 %	98.6 %	100.5 %
RES of the Gross Final Energy (%)						
Overall RES with Aviation Cap				5.7 %	7.4 %	7.9 %
RES-H&C – Heating and Cooling				6.1 %	7.7 %	8.1 %
RES-E – Electricity Generation				7.1 %	11.3 %	12.3 %
RES-T – Transport				4.2 %	4.4 %	4.3 %
Gases emissions (Mio ton CO_2)						
CO_2 Emissions	140	146	153	142	124	
GHGs Emissions	166	167	171	159	140	
Main Emissions Indicators						
CO_2 per Capita (kg CO_2/cap)	13827	14235	14591	13065	11245	
Carbon Intensity (kg CO_2/toe)	2599	2459	2590	2318	2269	
CO_2 GDP Intensity (ton CO_2/M€'10)	513	463	445	389	334	

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

5.2 Bulgaria

Mtoe, unless otherwise stated	1995	2000	2005	2010	2012	2013
Production	**10.3**	**9.9**	**10.7**	**10.5**	**11.7**	**10.6**
Solid Fuels	5.3	4.3	4.2	4.9	5.6	4.8
of which Hard Coal	1.0	0.0	0.0	0.0	0.0	0.0
Petroleum and Products	0.1	0.1	0.1	0.1	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	0.1	0.3	0.2
of which Natural Gas	0.0	0.0	0.4	0.1	0.3	0.2
Nuclear	4.5	4.7	4.8	4.0	4.1	3.7
Renewables	0.4	0.8	1.1	1.5	1.6	1.8
Wastes, Non-Renewable		0.0	0.1	0.0	0.0	0.0
Net Imports	**12.8**	**8.5**	**9.3**	**7.1**	**6.6**	**6.4**
Solid Fuels	2.4	2.3	2.6	1.7	1.5	1.0
of which Hard Coal	2.3	2.2	2.5	1.7	1.5	1.0
Petroleum and Products	5.9	3.9	4.9	4.0	3.8	3.7
of which Crude and NGL	7.4	5.2	5.8	5.4	5.8	5.5
Gases	4.6	2.7	2.5	2.1	2.0	2.2
of which Natural Gas	4.6	2.7	2.5	2.1	2.0	2.2
Renewables	0.0	0.0	0.0	-0.1	0.0	0.0
Electricity	0.0	-0.4	-0.7	-0.7	-0.7	-0.5
Gross Inland Consumption	**22.7**	**18.5**	**19.8**	**17.8**	**18.2**	**16.8**
Solid Fuels	7.6	6.4	6.9	6.9	6.9	5.9
of which Hard Coal	3.2	2.2	2.6	1.9	1.4	1.1
Petroleum and Products	5.6	4.1	4.7	3.9	3.8	3.5
of which Crude and NGL	7.4	5.3	6.0	5.4	5.8	5.5
Gases	4.6	2.9	2.8	2.3	2.5	2.4
of which Natural Gas	4.6	2.9	2.8	2.3	2.5	2.4
Nuclear	4.5	4.7	4.8	4.0	4.1	3.7
Renewables	0.4	0.8	1.1	1.5	1.6	1.8
Electricity	0.0	-0.4	-0.7	-0.7	-0.7	-0.5
Wastes, Non-Renewable		0.0	0.1	0.0	0.0	0.0
Primary Energy Consumption	**21.5**	**17.5**	**18.9**	**17.3**	**17.8**	**16.3**
Available for Final Consumption	**12.9**	**10.0**	**10.6**	**8.8**	**9.3**	**8.7**
Final Non-Energy Consumption	**1.2**	**1.0**	**0.8**	**0.4**	**0.5**	**0.5**
Final Energy Consumption	**11.4**	**9.1**	**10.2**	**8.8**	**9.2**	**8.8**
by Fuel/Product						
Solid Fuels	1.3	0.9	1.0	0.4	0.4	0.4
Petroleum and Products	2.9	3.0	3.7	3.1	3.1	2.8
Gases	1.8	1.7	1.6	1.1	1.2	1.2
Biomass and Renewable Wastes	0.2	0.5	0.7	0.9	1.1	1.1
Solar				0.0	0.0	0.0
Geothermal			0.0	0.0	0.0	0.0
Electricity	2.5	2.1	2.2	2.3	2.4	2.4
Derived heat	2.8	0.9	0.9	1.0	1.0	0.9
Wastes, Non-Renewable		0.0	0.1	0.0	0.0	0.0
by Sector						
Industry	6.0	4.0	4.0	2.6	2.6	2.6
Transport	1.8	2.0	2.9	2.9	3.1	2.8
Households	2.5	2.2	2.1	2.2	2.4	2.2
Services	0.2	0.6	0.8	1.0	1.0	1.0
Agriculture and Fishing	0.4	0.3	0.3	0.2	0.2	0.2
Other	0.5	0.0				

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

	1995	2000	2005	2010	2012	2013
Installed Capacity (GW)	**2.0**	**11.1**	**12.3**	**10.0**	**11.6**	**11.6**
Combustible Fuels		5.7	6.7	4.6	4.9	4.7
Nuclear		3.5	2.7	1.9	1.9	2.0
Hydro	2.0	1.9	2.8	3.0	3.1	3.2
Wind			0.0	0.5	0.7	0.7
Solar PV				0.0	1.0	1.0
Geothermal						
Tide, Wave and Ocean						
Other Sources						
Gross Electricity Generation (TWh)	**41.8**	**40.9**	**44.4**	**46.7**	**47.3**	**43.8**
Solid Fuels	17.3	16.9	18.5	22.6	22.9	19.4
Petroleum and Products	1.4	0.7	0.6	0.4	0.2	0.2
Gases	3.4	2.2	1.9	2.0	2.4	2.3
Nuclear	17.3	18.2	18.7	15.2	15.8	14.2
Renewables	2.3	3.0	4.7	6.4	6.1	7.6
Wastes, non-RES		0.0	0.0			
Cogeneration Heat and Power						
CHP Electrical Capacity (GW)			1.2	1.0	1.2	1.2
CHP Electricity Generation (TWh)			2.7	3.7	2.8	3.7
CHP in Total Electricity Generation (%)			6.1 %	8.0 %	5.9 %	8.5 %
CHP Heat Production (PJ)			50.4	40.4	41.6	40.4
Transport Fuels (ktoe)						
Final Consumption Petroleum Products	1 776	1 804	2 624	2 608	2 698	2 399
Motor Gasoline	1 161	707	571	611	540	442
Gas/Diesel Oil	278	779	1 416	1 441	1 612	1 387
Final Consumption Biofuels				13	86	104
Biogasoline						
Biodiesel				10	86	96
Main Energy Indicators						
Energy Intensity (toe/M€'10)	953	748	618	483	484	440
Energy per Capita (kgoe/cap)	2 699	2 268	2 553	2 359	2 496	2 306
Final Electricity per Capita (KWh/cap)	3 413	2 969	3 323	3 597	3 811	3 787
Primary Energy Intensity (toe/M€'10)	901	709	592	472	472	428
Import Dependency (%)	**55.9 %**	**46.0 %**	**46.7 %**	**39.6 %**	**36.1 %**	**37.8 %**
on Solid Fuels	31.8 %	35.1 %	37.0 %	24.7 %	21.4 %	16.4 %
on Hard Coal	73.0 %	100.5 %	94.7 %	88.2 %	107.2 %	89.0 %
on Petroleum Fuels	99.6 %	95.4 %	102.2 %	101.0 %	96.9 %	103.7 %
on Crude and NGL	99.7 %	98.7 %	97.7 %	99.1 %	99.9 %	100.3 %
on Natural Gas	99.5 %	93.6 %	87.7 %	92.7 %	83.4 %	93.2 %
RES of the Gross Final Energy (%)						
Overall RES with Aviation Cap				14.1 %	16.0 %	19.0 %
RES-H&C – Heating and Cooling				24.4 %	27.5 %	29.2 %
RES-E – Electricity Generation				12.7 %	15.8 %	18.9 %
RES-T – Transport				1.0 %	0.3 %	5.6 %
Gases emissions (Mio ton CO_2)						
CO_2 Emissions	60	46	51	49	49	
GHGs Emissions	78	60	65	61	62	
Main Emissions Indicators						
CO_2 per Capita (kg CO_2/cap)	7 115	5 628	6 618	6 442	6 715	
Carbon Intensity (kg CO_2/toe)	2 636	2 482	2 593	2 731	2 691	
CO_2 GDP Intensity (ton CO_2/M€'10)	2 512	1 856	1 603	1 320	1 302	

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

5.3 Czech Republic

Mtoe, unless otherwise stated	1995	2000	2005	2010	2012	2013
Production	**32.5**	**30.5**	**32.9**	**31.6**	**32.6**	**30.1**
Solid Fuels	27.6	25.0	23.6	20.7	20.7	17.8
of which Hard Coal	10.8	9.4	8.4	7.4	7.9	5.8
Petroleum and Products	0.3	0.4	0.6	0.3	0.4	0.3
of which Crude and NGL	0.1	0.2	0.3	0.2	0.2	0.2
Gases	0.2	0.2	0.2	0.2	0.2	0.2
of which Natural Gas	0.2	0.2	0.2	0.2	0.2	0.2
Nuclear	3.2	3.5	6.4	7.2	7.8	8.0
Renewables	1.2	1.3	2.0	2.9	3.2	3.6
Wastes, Non-Renewable	0.0	0.1	0.2	0.2	0.2	0.2
Net Imports	**8.6**	**9.4**	**12.6**	**11.4**	**10.8**	**11.8**
Solid Fuels	-5.8	-4.7	-3.3	-3.0	-2.2	-1.9
of which Hard Coal	-2.9	-3.5	-2.8	-2.9	-2.2	-1.9
Petroleum and Products	7.9	7.5	9.6	9.0	8.5	8.3
of which Crude and NGL	7.0	5.6	7.6	7.8	7.2	6.6
Gases	6.4	7.5	7.5	6.8	6.1	7.0
of which Natural Gas	6.4	7.5	7.5	6.8	6.1	7.0
Renewables	0.0	0.0	-0.2	-0.1	0.0	-0.1
Electricity	0.0	-0.9	-1.1	-1.3	-1.5	-1.5
Gross Inland Consumption	**41.7**	**41.1**	**45.1**	**44.7**	**42.8**	**42.2**
Solid Fuels	22.7	21.6	20.2	18.4	17.2	16.4
of which Hard Coal	8.4	6.3	5.6	4.9	4.6	4.6
Petroleum and Products	8.1	7.9	9.9	9.3	8.9	8.6
of which Crude and NGL	6.9	5.8	7.7	8.0	7.4	6.8
Gases	6.6	7.5	7.7	8.1	6.9	6.9
of which Natural Gas	6.6	7.5	7.7	8.1	6.9	6.9
Nuclear	3.2	3.5	6.4	7.2	7.8	8.0
Renewables	1.2	1.3	1.8	2.8	3.2	3.6
Electricity	0.0	-0.9	-1.1	-1.3	-1.5	-1.5
Wastes, Non-Renewable	0.0	0.1	0.2	0.2	0.2	0.2
Primary Energy Consumption	**39.4**	**39.0**	**42.2**	**41.9**	**40.1**	**39.6**
Available for Final Consumption	**27.9**	**27.2**	**29.2**	**28.4**	**26.4**	**26.2**
Final Non-Energy Consumption	**2.3**	**2.1**	**2.9**	**2.8**	**2.7**	**2.6**
Final Energy Consumption	**26.1**	**24.8**	**26.0**	**24.9**	**23.7**	**23.9**
by Fuel/Product						
Solid Fuels	6.1	5.1	3.8	2.4	2.4	2.4
Petroleum and Products	5.1	5.3	6.8	6.5	6.3	6.1
Gases	6.2	6.5	6.7	6.7	5.9	6.0
Biomass and Renewable Wastes	0.9	0.9	1.3	1.9	2.0	2.1
Solar			0.0	0.0	0.0	0.0
Geothermal						0.0
Electricity	4.1	4.2	4.8	4.9	4.9	4.9
Derived heat	3.7	2.6	2.5	2.2	2.1	2.1
Wastes, Non-Renewable		0.1	0.1	0.2	0.2	0.2
by Sector						
Industry	12.5	10.1	9.7	7.9	7.6	7.5
Transport	2.8	4.4	6.1	6.3	6.1	6.0
Households	6.4	6.1	6.3	6.7	6.1	6.3
Services	2.4	3.0	3.1	3.1	3.0	3.1
Agriculture and Fishing	1.2	0.7	0.5	0.6	0.6	0.6
Other	0.7	0.5	0.3	0.3	0.3	0.3

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

	1995	2000	2005	2010	2012	2013
Installed Capacity (GW)	**13.8**	**15.3**	**17.4**	**19.8**	**20.4**	**21.1**
Combustible Fuels	10.6	11.5	11.5	11.8	11.9	12.2
Nuclear	1.8	1.8	3.8	3.9	4.0	4.3
Hydro	1.4	2.1	2.2	2.2	2.2	2.3
Wind		0.0	0.0	0.2	0.3	0.3
Solar PV			0.0	1.7	2.0	2.1
Geothermal						
Tide, Wave and Ocean						
Other Sources						
Gross Electricity Generation (TWh)	**60.8**	**73.5**	**82.6**	**85.9**	**87.6**	**87.1**
Solid Fuels	44.3	52.8	49.5	47.1	44.4	41.7
Petroleum and Products	0.6	0.4	0.3	0.2	0.1	0.0
Gases	1.0	3.9	4.2	4.1	3.9	4.3
Nuclear	12.2	13.6	24.7	28.0	30.3	30.7
Renewables	2.7	2.8	3.8	6.5	8.8	10.2
Wastes, non-RES	0.0	0.0	0.0	0.0	0.1	0.1
Cogeneration Heat and Power						
CHP Electrical Capacity (GW)			5.2	4.8	4.6	4.6
CHP Electricity Generation (TWh)			13.9	12.2	11.5	12.0
CHP in Total Electricity Generation (%)			16.8%	14.2%	13.1%	13.7%
CHP Heat Production (PJ)			150.7	135.7	126.6	120.9
Transport Fuels (ktoe)						
Final Consumption Petroleum Products	2601	4076	5866	5783	5601	5533
Motor Gasoline	1694	1922	2125	1868	1674	1574
Gas/Diesel Oil	704	1886	3322	3492	3538	3584
Final Consumption Biofuels	16	63	3	231	275	277
Biogasoline				58	56	54
Biodiesel	16	63	3	173	219	224
Main Energy Indicators						
Energy Intensity (toe/M€'10)	398	359	325	286	271	269
Energy per Capita (kgoe/cap)	4038	4000	4409	4248	4074	4014
Final Electricity per Capita (KWh/cap)	4654	4807	5403	5439	5391	5394
Primary Energy Intensity (toe/M€'10)	376	341	304	268	254	252
Import Dependency (%)	**20.6%**	**22.9%**	**28.0%**	**25.6%**	**25.3%**	**27.9%**
on Solid Fuels	-25.5%	-21.8%	-16.1%	-16.2%	-13.0%	-11.6%
on Hard Coal	-34.2%	-56.1%	-49.4%	-58.0%	-47.5%	-40.6%
on Petroleum Fuels	98.0%	95.3%	97.5%	96.4%	95.3%	96.4%
on Crude and NGL	100.2%	95.2%	99.3%	97.5%	97.3%	98.0%
on Natural Gas	98.0%	99.8%	97.8%	84.8%	89.0%	100.2%
RES of the Gross Final Energy (%)						
Overall RES with Aviation Cap				9.5%	11.4%	12.4%
RES-H&C – Heating and Cooling				12.6%	14.1%	15.3%
RES-E – Electricity Generation				7.5%	11.6%	12.8%
RES-T – Transport				4.6%	5.6%	5.7%
Gases emissions (Mio ton CO_2)						
CO_2 Emissions	129	127	127	118	112	
GHGs Emissions	152	147	147	138	132	
Main Emissions Indicators						
CO_2 per Capita (kg CO_2/cap)	12534	12338	12427	11232	10678	
Carbon Intensity (kg CO_2/toe)	3104	3084	2819	2644	2621	
CO_2 GDP Intensity (ton CO_2/M€'10)	1237	1108	917	755	710	

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

5.4 Denmark

Mtoe, unless otherwise stated	1995	2000	2005	2010	2012	2013
Production	**16.3**	**28.8**	**30.8**	**22.9**	**18.6**	**16.6**
Solid Fuels						
of which Hard Coal						
Petroleum and Products	10.0	19.3	18.5	12.0	10.0	8.7
of which Crude and NGL	9.3	18.1	18.5	12.0	10.0	8.7
Gases	4.7	7.4	9.4	7.4	5.2	4.3
of which Natural Gas	4.7	7.4	9.4	7.3	5.2	4.3
Nuclear						
Renewables	1.3	1.7	2.5	3.1	3.1	3.2
Wastes, Non-Renewable	0.2	0.3	0.4	0.4	0.4	0.4
Net Imports	**7.3**	**-7.4**	**-10.1**	**-3.3**	**-0.5**	**2.3**
Solid Fuels	7.7	3.8	3.5	2.6	2.3	2.8
of which Hard Coal	7.6	3.8	3.5	2.6	2.3	2.8
Petroleum and Products	1.2	-8.4	-9.1	-3.6	-2.6	-1.0
of which Crude and NGL	0.6	-9.9	-10.9	-4.9	-2.3	-1.5
Gases	-1.5	-2.9	-5.0	-3.0	-1.9	-0.8
of which Natural Gas	-1.5	-2.9	-5.0	-3.0	-1.9	-0.8
Renewables	0.0	0.1	0.3	0.8	1.1	1.1
Electricity	-0.1	0.1	0.1	-0.1	0.4	0.1
Gross Inland Consumption	**20.2**	**19.7**	**19.6**	**20.0**	**18.0**	**18.1**
Solid Fuels	6.5	4.0	3.7	3.8	2.5	3.1
of which Hard Coal	6.5	4.0	3.7	3.8	2.5	3.1
Petroleum and Products	9.0	9.1	8.1	7.6	6.9	6.8
of which Crude and NGL	9.8	8.2	7.7	7.2	7.5	7.2
Gases	3.2	4.5	4.4	4.4	3.5	3.3
of which Natural Gas	3.2	4.4	4.4	4.4	3.5	3.3
Nuclear						
Renewables	1.3	1.8	2.8	3.9	4.2	4.4
Electricity	-0.1	0.1	0.1	-0.1	0.4	0.1
Wastes, Non-Renewable	0.2	0.3	0.4	0.4	0.4	0.4
Primary Energy Consumption	**19.9**	**19.4**	**19.3**	**19.8**	**17.7**	**17.8**
Available for Final Consumption	**15.0**	**15.0**	**15.5**	**15.7**	**14.7**	**14.5**
Final Non-Energy Consumption	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**
Final Energy Consumption	**14.8**	**14.7**	**15.5**	**15.6**	**14.4**	**14.2**
by Fuel/Product						
Solid Fuels	0.4	0.3	0.3	0.2	0.1	0.2
Petroleum and Products	7.3	7.1	7.3	6.8	6.0	5.8
Gases	1.7	1.7	1.7	1.8	1.6	1.6
Biomass and Renewable Wastes	0.6	0.6	0.9	1.3	1.3	1.3
Solar	0.0	0.0	0.0	0.0	0.0	0.0
Geothermal						0.0
Electricity	2.7	2.8	2.9	2.8	2.7	2.7
Derived heat	2.2	2.3	2.4	2.8	2.6	2.5
Wastes, Non-Renewable	0.0	0.0	0.0	0.0	0.0	0.0
by Sector						
Industry	3.0	2.9	2.9	2.4	2.3	2.2
Transport	4.5	4.8	5.3	5.2	4.9	4.8
Households	4.5	4.2	4.5	4.9	4.4	4.3
Services	1.8	1.8	2.0	2.1	2.0	2.0
Agriculture and Fishing	0.9	1.0	0.9	1.0	0.9	0.9
Other	0.0	0.0	0.0	0.0	0.0	0.0

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

	1995	2000	2005	2010	2012	2013
Installed Capacity (GW)	**10.8**	**12.3**	**13.0**	**13.4**	**14.1**	**13.5**
Combustible Fuels	10.2	9.9	9.9	9.6	9.5	8.2
Nuclear						
Hydro	0.0	0.0	0.0	0.0	0.0	0.0
Wind	0.6	2.4	3.1	3.8	4.2	4.8
Solar PV		0.0	0.0	0.0	0.4	0.6
Geothermal						
Tide, Wave and Ocean						
Other Sources						
Gross Electricity Generation (TWh)	**36.8**	**36.1**	**36.2**	**38.9**	**30.7**	**34.7**
Solid Fuels	27.4	16.7	15.5	17.0	10.6	14.3
Petroleum and Products	3.6	4.4	1.4	0.8	0.4	0.4
Gases	3.6	8.8	8.8	7.9	4.2	3.4
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0
Renewables	1.9	5.6	9.8	12.4	14.8	16.0
Wastes, non-RES	0.3	0.6	0.8	0.7	0.7	0.7
Cogeneration Heat and Power						
CHP Electrical Capacity (GW)			5.7	5.8	5.7	5.9
CHP Electricity Generation (TWh)			18.9	19.1	15.0	17.6
CHP in Total Electricity Generation (%)			52.1 %	49.1 %	48.8 %	50.6 %
CHP Heat Production (PJ)			119.0	124.7	104.2	103.1
Transport Fuels (ktoe)						
Final Consumption Petroleum Products	4522	4786	5292	5118	4601	4536
Motor Gasoline	1944	2019	1922	1574	1383	1336
Gas/Diesel Oil	1814	1863	2372	2649	2310	2291
Final Consumption Biofuels				27	227	227
Biogasoline				27		
Biodiesel					227	227
Main Energy Indicators						
Energy Intensity (toe/M€'10)	104	88	81	83	74	75
Energy per Capita (kgoe/cap)	3863	3697	3609	3613	3216	3225
Final Electricity per Capita (KWh/cap)	5905	6080	6175	5835	5617	5609
Primary Energy Intensity (toe/M€'10)	102	86	80	82	73	74
Import Dependency (%)	**33.4 %**	**-35.0 %**	**-49.8 %**	**-15.7 %**	**-3.0 %**	**12.3 %**
on Solid Fuels	117.9 %	94.9 %	94.4 %	69.4 %	93.6 %	90.7 %
on Hard Coal	118.0 %	94.7 %	94.3 %	69.3 %	93.6 %	90.6 %
on Petroleum Fuels	11.0 %	-80.8 %	-102.7 %	-43.4 %	-34.9 %	-13.7 %
on Crude and NGL	6.3 %	-120.5 %	-141.3 %	-68.8 %	-31.2 %	-20.9 %
on Natural Gas	-47.2 %	-64.8 %	-113.9 %	-68.3 %	-53.1 %	-23.3 %
RES of the Gross Final Energy (%)						
Overall RES with Aviation Cap				22.0 %	25.6 %	27.2 %
RES-H&C – Heating and Cooling				30.7 %	33.5 %	34.8 %
RES-E – Electricity Generation				32.7 %	38.7 %	43.1 %
RES-T – Transport				0.9 %	5.5 %	5.7 %
Gases emissions (Mio ton CO_2)						
CO_2 Emissions	68	60	56	53	43	
GHGs Emissions	83	75	69	66	56	
Main Emissions Indicators						
CO_2 per Capita (kg CO_2/cap)	12973	11303	10363	9627	7769	
Carbon Intensity (kg CO_2/toe)	3358	3057	2872	2664	2416	
CO_2 GDP Intensity (ton CO_2/M€'10)	349	268	233	221	179	

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

5.5 Germany

Mtoe, unless otherwise stated	1995	2000	2005	2010	2012	2013
Production	**145.3**	**135.6**	**139.1**	**133.0**	**127.3**	**125.3**
Solid Fuels	78.9	60.6	56.5	45.9	47.6	45.1
of which Hard Coal	38.1	24.2	18.0	9.2	7.6	5.5
Petroleum and Products	4.3	4.7	7.5	8.1	8.3	8.5
of which Crude and NGL	3.0	3.2	3.5	2.5	2.6	2.6
Gases	15.1	15.8	14.3	11.1	9.6	8.9
of which Natural Gas	15.1	15.8	14.3	11.1	9.6	8.9
Nuclear	39.5	43.8	42.1	36.3	25.7	25.1
Renewables	6.0	9.0	16.9	27.7	32.1	33.7
Wastes, Non-Renewable	1.4	1.7	1.8	3.9	4.0	4.1
Net Imports	**195.2**	**204.7**	**208.1**	**201.7**	**196.8**	**204.6**
Solid Fuels	10.3	21.7	26.0	31.6	32.1	36.3
of which Hard Coal	8.2	17.2	23.8	29.1	30.7	34.7
Petroleum and Products	131.6	125.9	120.2	109.8	106.4	107.8
of which Crude and NGL	101.6	101.4	111.0	91.6	92.3	89.6
Gases	52.9	56.9	61.9	61.6	59.8	63.5
of which Natural Gas	52.9	56.9	61.9	61.6	59.8	63.5
Renewables			0.4	-0.1	0.2	-0.3
Electricity	0.4	0.3	-0.4	-1.3	-1.8	-2.8
Gross Inland Consumption	**341.6**	**342.3**	**341.9**	**333.0**	**318.6**	**324.3**
Solid Fuels	91.6	84.8	82.0	78.8	80.4	81.6
of which Hard Coal	47.7	43.8	41.3	39.6	38.8	40.4
Petroleum and Products	135.4	131.0	121.5	111.8	108.3	109.9
of which Crude and NGL	104.8	108.1	114.1	94.5	94.1	91.6
Gases	67.3	71.9	77.8	75.9	69.8	72.9
of which Natural Gas	67.3	71.9	77.8	75.9	69.8	72.9
Nuclear	39.5	43.8	42.1	36.3	25.7	25.1
Renewables	6.0	9.0	17.2	27.6	32.3	33.4
Electricity	0.4	0.3	-0.4	-1.3	-1.8	-2.8
Wastes, Non-Renewable	1.4	1.7	1.8	3.9	4.0	4.1
Primary Energy Consumption	**318.0**	**317.3**	**317.2**	**310.4**	**296.8**	**302.5**
Available for Final Consumption	**244.0**	**247.3**	**247.1**	**242.9**	**232.6**	**239.5**
Final Non-Energy Consumption	**23.6**	**25.1**	**24.7**	**22.6**	**21.8**	**21.7**
Final Energy Consumption	**221.6**	**220.0**	**218.5**	**219.7**	**212.1**	**217.3**
by Fuel/Product						
Solid Fuels	13.9	11.0	8.2	9.4	9.6	9.7
Petroleum and Products	105.6	99.7	90.3	83.2	81.0	83.9
Gases	51.8	56.1	55.1	56.5	52.9	55.2
Biomass and Renewable Wastes	2.7	4.7	8.5	12.1	11.6	11.9
Solar	0.0	0.1	0.3	0.5	0.6	0.6
Geothermal			0.0	0.1	0.1	0.1
Electricity	38.8	41.6	44.9	45.8	45.2	44.5
Derived heat	8.7	6.8	10.8	11.3	10.3	10.4
Wastes, Non-Renewable			0.3	1.0	0.9	1.0
by Sector						
Industry	60.1	57.6	59.1	60.6	60.6	60.7
Transport	63.7	66.8	62.3	61.2	61.5	62.6
Households	66.3	65.2	63.5	62.5	56.6	59.7
Services	25.9	25.8	33.2	35.4	33.3	34.0
Agriculture and Fishing	2.0	0.3	0.0			
Other	3.7	4.3	0.3	0.2	0.2	0.1

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

	1995	2000	2005	2010	2012	2013
Installed Capacity (GW)	**116.2**	**118.9**	**128.6**	**162.7**	**177.3**	**186.1**
Combustible Fuels	83.4	80.8	76.4	85.8	89.6	91.4
Nuclear	22.8	22.4	20.4	20.5	12.1	12.1
Hydro	8.9	9.5	10.9	11.2	11.3	11.2
Wind	1.1	6.1	18.4	27.2	31.3	34.7
Solar PV	0.0	0.1	2.1	17.6	32.6	36.3
Geothermal				0.0	0.0	0.0
Tide, Wave and Ocean						
Other Sources			0.6	0.4	0.4	0.4
Gross Electricity Generation (TWh)	**537.3**	**576.5**	**622.6**	**633.0**	**629.8**	**633.2**
Solid Fuels	289.1	296.7	288.1	262.9	277.1	282.6
Petroleum and Products	9.0	4.8	12.0	8.7	7.6	7.2
Gases	50.4	60.0	83.6	100.9	87.5	79.5
Nuclear	153.1	169.6	163.1	140.6	99.5	97.3
Renewables	30.4	39.7	69.3	111.2	149.6	158.2
Wastes, non-RES	5.3	5.8	3.3	6.4	6.6	6.6
Cogeneration Heat and Power						
CHP Electrical Capacity (GW)			20.8	24.6	26.9	27.3
CHP Electricity Generation (TWh)			77.9	83.2	79.3	78.7
CHP in Total Electricity Generation (%)			12.5%	13.1%	12.6%	12.4%
CHP Heat Production (PJ)			652.5	675.8	648.3	654.0
Transport Fuels (ktoe)						
Final Consumption Petroleum Products	62229	65139	58489	56660	56972	58396
Motor Gasoline	32059	30651	23722	18859	17618	17591
Gas/Diesel Oil	24099	27047	26364	28449	29832	31183
Final Consumption Biofuels	36	236	1859	2884	2913	2658
Biogasoline			153	749	792	765
Biodiesel	31	222	1552	2104	2114	1893
Main Energy Indicators						
Energy Intensity (toe/M€'10)	159	145	141	129	119	121
Energy per Capita (kgoe/cap)	4184	4165	4146	4073	3890	3950
Final Electricity per Capita (KWh/cap)	5525	5882	6333	6512	6419	6310
Primary Energy Intensity (toe/M€'10)	148	135	131	120	111	113
Import Dependency (%)	**56.8%**	**59.4%**	**60.4%**	**60.1%**	**61.3%**	**62.7%**
on Solid Fuels	11.2%	25.5%	31.7%	40.1%	40.0%	44.5%
on Hard Coal	17.1%	39.2%	57.5%	73.7%	79.1%	86.0%
on Petroleum Fuels	95.8%	94.6%	97.0%	95.9%	96.0%	96.1%
on Crude and NGL	96.9%	93.8%	97.3%	97.0%	98.1%	97.8%
on Natural Gas	78.6%	79.1%	79.6%	81.2%	85.7%	87.2%
RES of the Gross Final Energy (%)						
Overall RES with Aviation Cap				10.4%	12.1%	12.4%
RES-H&C – Heating and Cooling				9.7%	10.4%	10.6%
RES-E – Electricity Generation				18.1%	23.6%	25.6%
RES-T – Transport				6.0%	6.9%	6.3%
Gases emissions (Mio ton CO_2)						
CO_2 Emissions	953	918	893	863	855	
GHGs Emissions	1140	1067	1026	980	973	
Main Emissions Indicators						
CO_2 per Capita (kg CO_2/cap)	11665	11170	10826	10553	10440	
Carbon Intensity (kg CO_2/toe)	2788	2682	2611	2591	2684	
CO_2 GDP Intensity (ton CO_2/M€'10)	444	390	368	335	319	

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

5.6 Estonia

Mtoe, unless otherwise stated	1995	2000	2005	2010	2012	2013
Production	**3.9**	**3.5**	**4.4**	**5.6**	**5.8**	**6.4**
Solid Fuels	3.1	2.7	3.2	3.9	4.0	4.4
of which Hard Coal						
Petroleum and Products	0.5	0.4	0.5	0.7	0.7	0.7
of which Crude and NGL						
Gases						
of which Natural Gas						
Nuclear						
Renewables	0.4	0.5	0.7	1.0	1.1	1.1
Wastes, Non-Renewable						0.1
Net Imports	**1.8**	**1.6**	**1.5**	**0.9**	**1.1**	**0.8**
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	0.1	0.0
Petroleum and Products	1.0	0.8	0.9	0.8	0.9	0.9
of which Crude and NGL						0.0
Gases	0.6	0.7	0.8	0.6	0.5	0.6
of which Natural Gas	0.6	0.7	0.8	0.6	0.5	0.6
Renewables	0.0	0.0	-0.1	-0.2	-0.2	-0.3
Electricity	-0.1	-0.1	-0.1	-0.3	-0.2	-0.3
Gross Inland Consumption	**5.5**	**5.0**	**5.6**	**6.2**	**6.1**	**6.7**
Solid Fuels	3.5	3.0	3.2	3.9	3.8	4.4
of which Hard Coal	0.1	0.1	0.0	0.0	0.0	0.0
Petroleum and Products	1.2	0.9	1.2	1.1	1.1	1.1
of which Crude and NGL						0.0
Gases	0.6	0.7	0.8	0.6	0.5	0.6
of which Natural Gas	0.6	0.7	0.8	0.6	0.5	0.6
Nuclear						
Renewables	0.3	0.5	0.6	0.8	0.9	0.9
Electricity	-0.1	-0.1	-0.1	-0.3	-0.2	-0.3
Wastes, Non-Renewable						0.1
Primary Energy Consumption	**5.3**	**4.8**	**5.4**	**6.1**	**6.0**	**6.5**
Available for Final Consumption	**3.0**	**2.7**	**3.0**	**3.0**	**2.9**	**3.0**
Final Non-Energy Consumption	**0.2**	**0.2**	**0.2**	**0.1**	**0.1**	**0.2**
Final Energy Consumption	**2.6**	**2.4**	**2.9**	**2.9**	**2.9**	**2.9**
by Fuel/Product						
Solid Fuels	0.2	0.1	0.1	0.1	0.1	0.1
Petroleum and Products	0.8	0.8	1.0	0.9	1.0	0.9
Gases	0.3	0.2	0.3	0.2	0.2	0.3
Biomass and Renewable Wastes	0.3	0.4	0.4	0.6	0.5	0.5
Solar						0.0
Geothermal						0.0
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
Wastes, Non-Renewable						0.1
by Sector						
Industry	0.8	0.6	0.7	0.6	0.6	0.6
Transport	0.5	0.6	0.8	0.8	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 and Fishing	0.1	0.1	0.1	0.1	0.1	0.1
Other	0.0					

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

	1995	2000	2005	2010	2012	2013
Installed Capacity (GW)	**0.0**	**2.8**	**2.6**	**2.8**	**2.9**	**2.9**
Combustible Fuels		2.8	2.5	2.6	2.6	2.7
Nuclear						
Hydro	0.0	0.0	0.0	0.0	0.0	0.0
Wind			0.0	0.1	0.3	0.2
Solar PV						
Geothermal						
Tide, Wave and Ocean						
Other Sources						
Gross Electricity Generation (TWh)	**8.7**	**8.5**	**10.2**	**13.0**	**12.0**	**13.3**
Solid Fuels	8.3	7.7	9.3	11.2	9.8	11.5
Petroleum and Products	0.1	0.1	0.0	0.0	0.1	0.1
Gases	0.3	0.8	0.8	0.7	0.6	0.4
Nuclear						
Renewables	0.0	0.0	0.1	1.0	1.5	1.2
Wastes, non-RES						0.1
Cogeneration Heat and Power						
CHP Electrical Capacity (GW)			0.4	0.4	0.5	0.5
CHP Electricity Generation (TWh)			1.0	1.3	1.2	1.2
CHP in Total Electricity Generation (%)			10.2 %	10.3 %	9.7 %	9.3 %
CHP Heat Production (PJ)			11.5	12.3	11.1	12.6
Transport Fuels (ktoe)						
Final Consumption Petroleum Products	487	578	765	778	780	753
Motor Gasoline	264	299	309	289	256	241
Gas/Diesel Oil	204	257	408	451	486	484
Final Consumption Biofuels					4	3
Biogasoline					4	3
Biodiesel						
Main Energy Indicators						
Energy Intensity (toe/M€'10)	722	470	376	418	367	396
Energy per Capita (kgoe/cap)	3834	3549	4132	4613	4615	5077
Final Electricity per Capita (KWh/cap)	3162	3579	4445	5181	5266	5166
Primary Energy Intensity (toe/M€'10)	699	453	361	412	362	386
Import Dependency (%)	**32.3 %**	**32.2 %**	**26.1 %**	**13.6 %**	**17.0 %**	**11.9 %**
on Solid Fuels	8.4 %	9.1 %	0.8 %	-0.6 %	0.3 %	-0.1 %
on Hard Coal	101.9 %	116.4 %	97.2 %	117.9 %	123.8 %	95.0 %
on Petroleum Fuels	80.2 %	77.4 %	70.8 %	57.5 %	60.1 %	60.0 %
on Crude and NGL						
on 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				24.6 %	25.8 %	25.6 %
RES-H&C – Heating and Cooling				43.3 %	43.1 %	43.1 %
RES-E – Electricity Generation				10.4 %	15.8 %	13.0 %
RES-T – Transport				0.2 %	0.3 %	0.2 %
Gases emissions (Mio ton CO_2)						
CO_2 Emissions	18	16	17	19	18	
GHGs Emissions	20	18	19	21	20	
Main Emissions Indicators						
CO_2 per Capita (kg CO_2/cap)	12719	11093	12470	13959	13383	
Carbon Intensity (kg CO_2/toe)	3318	3126	3018	3026	2900	
CO_2 GDP Intensity (ton CO_2/M€'10)	2396	1470	1135	1265	1064	

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

5.7 Ireland

Mtoe, unless otherwise stated	1995	2000	2005	2010	2012	2013
Production	**4.1**	**2.2**	**1.6**	**1.8**	**1.4**	**2.4**
Solid Fuels	1.7	1.0	0.8	1.0	0.3	1.3
of which Hard Coal	0.0					
Petroleum and Products	0.0	0.0	0.0	0.0	0.1	0.1
of which Crude and NGL						
Gases	2.2	1.0	0.5	0.2	0.2	0.2
of which Natural Gas	2.2	1.0	0.5	0.2	0.2	0.2
Nuclear						
Renewables	0.2	0.2	0.4	0.6	0.7	0.8
Wastes, Non-Renewable				0.0	0.0	0.1
Net Imports	**7.8**	**12.4**	**13.8**	**13.2**	**11.8**	**12.3**
Solid Fuels	1.9	1.7	1.9	0.9	1.3	1.5
of which Hard Coal	1.9	1.7	1.9	0.9	1.3	1.5
Petroleum and Products	5.8	8.2	8.7	7.7	6.5	6.9
of which Crude and NGL	2.3	3.0	3.2	3.0	2.9	2.9
Gases	0.1	2.5	3.0	4.5	3.8	3.7
of which Natural Gas	0.1	2.5	3.0	4.5	3.8	3.7
Renewables			0.0	0.0	0.1	0.1
Electricity	0.0	0.0	0.2	0.0	0.0	0.2
Gross Inland Consumption	**11.1**	**14.4**	**15.3**	**15.2**	**13.8**	**13.7**
Solid Fuels	2.9	2.6	2.7	2.0	2.4	2.0
of which Hard Coal	1.8	1.8	1.9	1.2	1.5	1.3
Petroleum and Products	5.7	8.1	8.6	7.8	6.5	6.8
of which Crude and NGL	2.3	3.3	3.2	2.9	3.1	2.8
Gases	2.3	3.4	3.5	4.7	4.0	3.9
of which Natural Gas	2.3	3.4	3.5	4.7	4.0	3.9
Nuclear						
Renewables	0.2	0.2	0.4	0.7	0.8	0.9
Electricity	0.0	0.0	0.2	0.0	0.0	0.2
Wastes, Non-Renewable				0.0	0.0	0.1
Primary Energy Consumption	**10.5**	**13.8**	**14.7**	**14.9**	**13.5**	**13.4**
Available for Final Consumption	**8.3**	**11.1**	**12.0**	**12.2**	**11.0**	**11.2**
Final Non-Energy Consumption	**0.6**	**0.7**	**0.5**	**0.3**	**0.3**	**0.3**
Final Energy Consumption	**8.0**	**10.8**	**12.6**	**12.0**	**10.6**	**10.7**
by Fuel/Product						
Solid Fuels	0.9	0.7	0.8	0.6	0.5	0.6
Petroleum and Products	4.9	7.0	8.2	7.3	6.1	6.1
Gases	0.8	1.2	1.4	1.6	1.6	1.6
Biomass and Renewable Wastes	0.1	0.1	0.2	0.3	0.3	0.3
Solar	0.0	0.0	0.0	0.0	0.0	0.0
Geothermal						
Electricity	1.3	1.7	2.1	2.2	2.1	2.1
Derived heat						
Wastes, Non-Renewable				0.0	0.0	0.0
by Sector						
Industry	2.0	2.5	2.6	2.1	2.2	2.2
Transport	2.4	4.1	5.1	4.7	4.1	4.2
Households	2.2	2.5	3.0	3.3	2.7	2.8
Services	1.1	1.4	1.6	1.5	1.3	1.3
Agriculture and Fishing	0.3	0.3	0.3	0.3	0.2	0.2
Other						

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

	1995	2000	2005	2010	2012	2013
Installed Capacity (GW)	**4.1**	**4.7**	**6.2**	**8.3**	**8.6**	**8.8**
Combustible Fuels	3.5	4.1	5.1	6.4	6.3	6.3
Nuclear						
Hydro	0.5	0.5	0.5	0.5	0.5	0.5
Wind	0.0	0.1	0.5	1.4	1.8	1.9
Solar PV						
Geothermal						
Tide, Wave and Ocean						
Other Sources						
Gross Electricity Generation (TWh)	**17.9**	**24.0**	**26.0**	**28.6**	**27.6**	**26.1**
Solid Fuels	9.0	8.6	8.8	6.4	8.1	7.2
Petroleum and Products	2.7	4.6	3.3	0.6	0.2	0.2
Gases	5.2	9.3	11.6	17.7	13.7	12.7
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0
Renewables	1.0	1.5	2.2	3.9	5.5	6.0
Wastes, non-RES	0.0	0.0	0.0	0.0	0.0	0.1
Cogeneration Heat and Power						
CHP Electrical Capacity (GW)			0.1	0.3	0.3	0.3
CHP Electricity Generation (TWh)			0.6	1.9	2.1	2.0
CHP in Total Electricity Generation (%)			2.3%	6.7%	7.6%	7.8%
CHP Heat Production (PJ)			4.4	12.0	12.5	12.4
Transport Fuels (ktoe)						
Final Consumption Petroleum Products	2386	4082	5075	4618	4045	4136
Motor Gasoline	1104	1590	1823	1527	1282	1186
Gas/Diesel Oil	851	1833	2370	2304	2156	2282
Final Consumption Biofuels				93	60	72
Biogasoline				30	28	28
Biodiesel				63	31	45
Main Energy Indicators						
Energy Intensity (toe/M€'10)	135	112	93	92	82	81
Energy per Capita (kgoe/cap)	3072	3792	3669	3332	3005	2985
Final Electricity per Capita (KWh/cap)	4124	5333	5854	5575	5264	5259
Primary Energy Intensity (toe/M€'10)	128	106	90	90	80	79
Import Dependency (%)	**69.5%**	**84.9%**	**89.6%**	**86.5%**	**84.8%**	**89.0%**
on Solid Fuels	64.9%	64.6%	70.8%	47.8%	55.7%	72.4%
on Hard Coal	105.9%	93.2%	100.8%	79.3%	90.5%	111.1%
on Petroleum Fuels	100.2%	98.9%	100.0%	97.5%	98.6%	100.2%
on Crude and NGL	100.2%	89.8%	98.8%	101.6%	95.8%	103.3%
on Natural Gas	3.6%	72.1%	86.7%	95.7%	95.6%	95.9%
RES of the Gross Final Energy (%)						
Overall RES with Aviation Cap				5.6%	7.3%	7.8%
RES-H&C – Heating and Cooling				4.5%	5.4%	5.7%
RES-E – Electricity Generation				14.5%	19.5%	20.9%
RES-T – Transport				2.4%	4.1%	5.0%
Gases emissions (Mio ton CO_2)						
CO_2 Emissions	37	47	50	44	40	
GHGs Emissions	60	71	73	65	61	
Main Emissions Indicators						
CO_2 per Capita (kg CO_2/cap)	10206	12349	12130	9658	8747	
Carbon Intensity (kg CO_2/toe)	3322	3257	3306	2899	2910	
CO_2 GDP Intensity (ton CO_2/M€'10)	450	363	308	267	238	

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

5.8 Greece

Mtoe, unless otherwise stated	1995	2000	2005	2010	2012	2013
Production	**9.4**	**10.0**	**10.3**	**9.5**	**10.4**	**9.3**
Solid Fuels	7.5	8.2	8.5	7.3	8.0	6.7
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	2.0	2.3	2.5
Wastes, Non-Renewable	0.0	0.1	0.0	0.0	0.0	0.0
Net Imports	**18.3**	**22.2**	**23.5**	**21.7**	**19.9**	**16.4**
Solid Fuels	0.9	0.8	0.4	0.4	0.2	0.2
of which Hard Coal	0.9	0.8	0.4	0.4	0.2	0.2
Petroleum and Products	17.3	19.7	20.5	17.4	15.7	12.7
of which Crude and NGL	14.9	19.6	18.0	19.5	21.0	19.4
Gases		1.7	2.3	3.2	3.7	3.2
of which Natural Gas		1.7	2.3	3.2	3.7	3.2
Renewables				0.2	0.2	0.1
Electricity	0.1	0.0	0.3	0.5	0.2	0.2
Gross Inland Consumption	**23.9**	**28.3**	**31.4**	**28.7**	**27.7**	**24.4**
Solid Fuels	8.4	9.0	8.9	7.9	8.1	7.0
of which Hard Coal	1.0	0.7	0.3	0.4	0.2	0.2
Petroleum and Products	14.0	16.1	18.1	15.0	13.2	11.3
of which Crude and NGL	15.1	19.7	18.9	19.6	20.9	20.0
Gases	0.1	1.7	2.4	3.2	3.7	3.2
of which Natural Gas	0.0	1.7	2.4	3.2	3.7	3.2
Nuclear						
Renewables	1.3	1.4	1.6	2.1	2.5	2.6
Electricity	0.1	0.0	0.3	0.5	0.2	0.2
Wastes, Non-Renewable	0.0	0.1	0.0	0.0	0.0	0.0
Primary Energy Consumption	**23.4**	**27.6**	**30.6**	**27.6**	**26.9**	**23.7**
Available for Final Consumption	**16.4**	**19.1**	**21.4**	**19.7**	**18.4**	**15.7**
Final Non-Energy Consumption	**0.5**	**0.7**	**0.8**	**1.1**	**0.7**	**0.7**
Final Energy Consumption	**15.8**	**18.7**	**21.0**	**19.0**	**17.1**	**15.3**
by Fuel/Product						
Solid Fuels	1.0	0.9	0.5	0.3	0.2	0.2
Petroleum and Products	10.8	12.7	14.4	12.1	9.9	8.7
Gases	0.0	0.3	0.6	0.8	1.0	0.9
Biomass and Renewable Wastes	0.9	0.9	1.0	1.0	1.3	1.1
Solar	0.1	0.1	0.1	0.2	0.2	0.2
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	2.9	3.7	4.4	4.6	4.5	4.2
Derived heat		0.0	0.0	0.0	0.0	0.0
Wastes, Non-Renewable						
by Sector						
Industry	4.0	4.5	4.2	3.5	3.0	2.8
Transport	6.5	7.3	8.2	8.2	6.4	6.3
Households	3.3	4.5	5.5	4.6	5.1	3.8
Services	0.9	1.3	1.9	2.0	1.9	1.8
Agriculture and Fishing	1.0	1.1	1.2	0.8	0.3	0.3
Other		0.0			0.4	0.3

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

	1995	2000	2005	2010	2012	2013
Installed Capacity (GW)	**8.9**	**10.9**	**13.3**	**15.3**	**17.8**	**18.9**
Combustible Fuels	6.4	7.6	9.7	10.6	11.2	11.2
Nuclear						
Hydro	2.5	3.1	3.1	3.2	3.2	3.2
Wind	0.0	0.2	0.5	1.3	1.8	1.8
Solar PV			0.0	0.2	1.5	2.6
Geothermal	0.0					
Tide, Wave and Ocean					0.0	0.0
Other Sources					0.0	0.0
Gross Electricity Generation (TWh)	**41.6**	**53.8**	**60.0**	**57.4**	**61.0**	**57.2**
Solid Fuels	28.7	34.3	35.5	30.8	31.1	26.4
Petroleum and Products	8.9	8.9	9.2	6.1	6.1	5.4
Gases	0.1	5.9	8.2	9.8	13.4	10.9
Nuclear						
Renewables	3.8	4.6	7.0	10.5	10.3	14.4
Wastes, non-RES	0.1	0.2	0.1	0.1	0.1	0.1
Cogeneration Heat and Power						
CHP Electrical Capacity (GW)			0.2	0.6	0.6	0.6
CHP Electricity Generation (TWh)			1.0	2.5	2.4	1.9
CHP in Total Electricity Generation (%)			1.7%	4.3%	3.9%	3.4%
CHP Heat Production (PJ)			9.7	12.7	13.0	10.5
Transport Fuels (ktoe)						
Final Consumption Petroleum Products	6504	7278	8157	8004	6239	6182
Motor Gasoline	2921	3464	4170	3867	3097	2834
Gas/Diesel Oil	2037	2247	2483	2730	1886	2043
Final Consumption Biofuels				124	103	121
Biogasoline						
Biodiesel				124	103	121
Main Energy Indicators						
Energy Intensity (toe/M€'10)	151	149	137	127	144	132
Energy per Capita (kgoe/cap)	2244	2591	2832	2575	2493	2209
Final Electricity per Capita (KWh/cap)	3205	3952	4589	4763	4689	4424
Primary Energy Intensity (toe/M€'10)	148	145	134	122	140	128
Import Dependency (%)	**66.7%**	**69.5%**	**68.6%**	**69.1%**	**66.5%**	**62.1%**
on Solid Fuels	11.0%	8.5%	4.1%	5.1%	2.3%	3.2%
on Hard Coal	95.2%	105.9%	112.5%	100.3%	76.0%	110.2%
on Petroleum Fuels	98.4%	100.2%	97.7%	98.6%	101.2%	94.2%
on Crude and NGL	98.8%	99.5%	95.2%	99.5%	100.7%	97.1%
on Natural Gas	0.0%	99.1%	99.1%	99.9%	100.3%	100.0%
RES of the Gross Final Energy (%)						
Overall RES with Aviation Cap				9.8%	13.4%	15.0%
RES-H&C – Heating and Cooling				17.8%	23.4%	26.5%
RES-E – Electricity Generation				12.3%	16.4%	21.2%
RES-T – Transport				1.9%	1.0%	1.1%
Gases emissions (Mio ton CO_2)						
CO_2 Emissions	100	116	124	108	100	
GHGs Emissions	124	141	147	129	121	
Main Emissions Indicators						
CO_2 per Capita (kg CO_2/cap)	9436	10670	11217	9645	9039	
Carbon Intensity (kg CO_2/toe)	4205	4118	3961	3745	3626	
CO_2 GDP Intensity (ton CO_2/M€'10)	634	614	542	476	521	

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

5.9 Spain

Mtoe, unless otherwise stated	1995	2000	2005	2010	2012	2013
Production	**31.4**	**31.5**	**30.1**	**34.5**	**33.7**	**34.5**
Solid Fuels	10.2	8.0	6.3	3.3	2.5	1.8
of which Hard Coal	8.3	6.5	5.1	3.3	2.5	1.8
Petroleum and Products	0.8	0.2	0.2	0.4	0.5	0.5
of which Crude and NGL	0.8	0.2	0.2	0.1	0.1	0.4
Gases	0.4	0.2	0.2	0.1	0.1	0.1
of which Natural Gas	0.4	0.1	0.1	0.0	0.1	0.1
Nuclear	14.3	16.0	14.8	16.0	15.9	14.6
Renewables	5.5	6.8	8.4	14.6	14.6	17.4
Wastes, Non-Renewable	0.2	0.2	0.2	0.2	0.2	0.1
Net Imports	**75.4**	**99.3**	**123.8**	**106.1**	**99.4**	**88.7**
Solid Fuels	8.6	12.8	14.4	6.7	11.6	7.6
of which Hard Coal	8.1	13.3	14.7	6.8	11.8	7.6
Petroleum and Products	58.9	70.7	79.3	68.7	59.2	56.0
of which Crude and NGL	55.3	57.7	59.9	52.7	58.9	58.0
Gases	7.5	15.5	30.2	31.0	28.1	25.7
of which Natural Gas	7.5	15.5	30.2	31.0	28.1	25.7
Renewables				0.4	1.5	0.1
Electricity	0.4	0.4	-0.1	-0.7	-1.0	-0.6
Gross Inland Consumption	**102.1**	**123.6**	**144.2**	**130.0**	**127.8**	**118.8**
Solid Fuels	19.0	20.9	20.6	7.9	15.1	10.8
of which Hard Coal	16.7	19.8	19.8	8.0	15.2	10.8
Petroleum and Products	54.9	64.0	70.5	60.4	52.9	50.3
of which Crude and NGL	55.8	57.3	59.9	53.0	59.4	58.3
Gases	7.8	15.3	29.9	31.2	28.6	26.1
of which Natural Gas	7.7	15.2	29.8	31.1	28.6	26.1
Nuclear	14.3	16.0	14.8	16.0	15.9	14.6
Renewables	5.5	6.8	8.4	15.0	16.1	17.4
Electricity	0.4	0.4	-0.1	-0.7	-1.0	-0.6
Wastes, Non-Renewable	0.2	0.2	0.2	0.2	0.2	0.1
Primary Energy Consumption	**94.2**	**114.2**	**135.9**	**123.0**	**121.9**	**113.8**
Available for Final Consumption	**72.5**	**88.8**	**106.0**	**95.7**	**88.8**	**84.6**
Final Non-Energy Consumption	**7.9**	**9.4**	**8.3**	**7.0**	**6.0**	**5.0**
Final Energy Consumption	**64.0**	**79.9**	**97.8**	**89.1**	**83.2**	**81.1**
by Fuel/Product						
Solid Fuels	2.2	1.8	1.7	1.3	1.3	1.6
Petroleum and Products	39.5	46.3	53.5	46.8	40.1	39.3
Gases	6.8	12.1	18.0	14.6	14.9	15.0
Biomass and Renewable Wastes	3.2	3.4	3.7	5.1	6.0	5.0
Solar	0.0	0.0	0.1	0.2	0.2	0.2
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	12.1	16.2	20.8	21.0	20.7	19.9
Derived heat						0.0
Wastes, Non-Renewable	0.1					0.0
by Sector						
Industry	20.5	25.4	31.0	21.4	20.8	21.0
Transport	26.4	33.2	39.9	37.2	33.3	32.0
Households	10.0	12.0	15.1	16.9	15.5	15.0
Services	4.3	6.7	8.4	9.8	10.0	9.6
Agriculture and Fishing	2.2	2.6	3.1	2.2	2.7	2.8
Other	0.5	0.0	0.2	1.5	0.7	0.8

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

	1995	2000	2005	2010	2012	2013
Installed Capacity (GW)	**45.6**	**53.9**	**76.6**	**101.8**	**105.2**	**105.8**
Combustible Fuels	21.9	26.2	40.8	50.5	49.7	49.8
Nuclear	7.1	7.5	7.6	7.5	7.5	7.0
Hydro	16.5	18.0	18.2	18.5	18.6	19.1
Wind	0.1	2.2	9.9	20.7	22.8	23.0
Solar PV	0.0	0.0	0.1	3.9	4.6	4.8
Geothermal						
Tide, Wave and Ocean						
Other Sources						
Gross Electricity Generation (TWh)	**167.1**	**224.5**	**294.1**	**301.5**	**297.6**	**283.6**
Solid Fuels	65.9	79.1	79.1	25.3	55.1	41.0
Petroleum and Products	14.6	22.6	24.4	16.6	15.3	13.8
Gases	4.9	21.9	80.7	95.8	74.2	58.5
Nuclear	55.5	62.2	57.5	62.0	61.5	56.7
Renewables	25.9	38.0	46.9	101.0	90.6	113.0
Wastes, non-RES	0.3	0.6	0.5	0.7	0.7	0.6
Cogeneration Heat and Power						
CHP Electrical Capacity (GW)			3.1	3.4	4.0	3.4
CHP Electricity Generation (TWh)			22.9	22.4	26.4	24.1
CHP in Total Electricity Generation (%)			7.8%	7.4%	8.9%	8.5%
CHP Heat Production (PJ)			192.5	153.3	219.1	174.9
Transport Fuels (ktoe)						
Final Consumption Petroleum Products	26101	32791	39227	35409	30755	30586
Motor Gasoline	9152	9141	7786	5696	4778	4666
Gas/Diesel Oil	13373	18859	25977	24171	20419	20619
Final Consumption Biofuels		70	256	1412	2087	883
Biogasoline			113	230	198	167
Biodiesel		70	142	1181	1889	716
Main Energy Indicators						
Energy Intensity (toe/M€'10)	144	142	141	120	122	114
Energy per Capita (kgoe/cap)	2592	3071	3303	2792	2734	2549
Final Electricity per Capita (KWh/cap)	3578	4681	5548	5257	5137	4980
Primary Energy Intensity (toe/M€'10)	133	132	133	114	116	110
Import Dependency (%)	**71.7%**	**76.6%**	**81.4%**	**76.7%**	**73.0%**	**70.5%**
on Solid Fuels	45.4%	61.3%	70.1%	85.1%	76.5%	70.3%
on Hard Coal	48.5%	66.8%	74.4%	85.0%	77.6%	70.3%
on Petroleum Fuels	101.5%	101.0%	101.2%	99.9%	96.7%	97.4%
on Crude and NGL	99.1%	100.6%	100.1%	99.3%	99.3%	99.5%
on Natural Gas	97.4%	101.6%	101.4%	99.4%	98.2%	98.6%
RES of the Gross Final Energy (%)						
Overall RES with Aviation Cap				13.8%	14.3%	15.4%
RES-H&C – Heating and Cooling				12.6%	14.1%	14.9%
RES-E – Electricity Generation				29.8%	33.5%	36.4%
RES-T – Transport				4.7%	0.4%	0.4%
Gases emissions (Mio ton CO_2)						
CO_2 Emissions	280	337	403	320	317	
GHGs Emissions	340	409	469	387	381	
Main Emissions Indicators						
CO_2 per Capita (kg CO_2/cap)	7112	8373	9219	6867	6774	
Carbon Intensity (kg CO_2/toe)	2744	2727	2791	2460	2478	
CO_2 GDP Intensity (ton CO_2/M€'10)	394	388	393	296	301	

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

5.10 France

Mtoe, unless otherwise stated	1995	2000	2005	2010	2012	2013
Production	**127.4**	**130.1**	**136.3**	**135.5**	**134.2**	**135.9**
Solid Fuels	6.0	2.5	0.4	0.2	0.2	0.2
of which Hard Coal	5.4	2.4	0.4	0.2	0.2	0.2
Petroleum and Products	3.5	2.4	1.6	1.9	1.8	1.8
of which Crude and NGL	3.0	1.7	1.2	0.9	0.8	0.8
Gases	2.8	1.5	0.9	0.6	0.5	0.3
of which Natural Gas	2.8	1.5	0.9	0.6	0.5	0.3
Nuclear	97.3	107.1	116.5	110.5	109.7	109.3
Renewables	17.0	15.7	15.9	21.1	20.8	23.1
Wastes, Non-Renewable	0.7	0.9	1.1	1.2	1.3	1.3
Net Imports	**117.1**	**134.1**	**144.1**	**132.1**	**125.2**	**125.1**
Solid Fuels	9.1	13.0	13.5	12.2	10.9	11.6
of which Hard Coal	8.7	12.4	12.8	11.3	10.2	11.0
Petroleum and Products	86.4	91.3	95.1	82.9	80.9	79.4
of which Crude and NGL	78.7	86.8	85.4	65.1	57.3	56.5
Gases	27.5	35.8	40.7	39.6	36.9	38.0
of which Natural Gas	27.5	35.8	40.7	39.6	36.9	38.0
Renewables		0.0	-0.1	0.2	0.3	0.3
Electricity	-6.0	-6.0	-5.2	-2.6	-3.8	-4.2
Gross Inland Consumption	**241.8**	**257.5**	**276.7**	**267.6**	**258.3**	**259.3**
Solid Fuels	16.1	15.0	14.3	12.1	11.5	12.5
of which Hard Coal	14.9	14.2	13.8	11.2	10.9	11.9
Petroleum and Products	87.1	88.9	93.2	82.7	80.4	78.1
of which Crude and NGL	82.1	88.2	86.9	66.3	57.7	56.7
Gases	29.6	35.8	41.0	42.5	38.2	39.0
of which Natural Gas	29.6	35.8	41.0	42.5	38.2	39.0
Nuclear	97.3	107.1	116.5	110.5	109.7	109.3
Renewables	17.0	15.7	15.8	21.2	21.1	23.3
Electricity	-6.0	-6.0	-5.2	-2.6	-3.8	-4.2
Wastes, Non-Renewable	0.7	0.9	1.1	1.2	1.3	1.3
Primary Energy Consumption	**225.9**	**241.4**	**260.0**	**253.3**	**244.0**	**245.8**
Available for Final Consumption	**156.9**	**166.2**	**177.2**	**171.2**	**164.7**	**167.3**
Final Non-Energy Consumption	**15.9**	**16.2**	**16.7**	**14.3**	**14.3**	**13.5**
Final Energy Consumption	**143.5**	**155.3**	**160.3**	**155.4**	**147.4**	**152.1**
by Fuel/Product						
Solid Fuels	6.5	5.8	5.2	4.5	4.0	3.9
Petroleum and Products	69.8	73.2	71.4	64.6	62.2	62.1
Gases	27.3	30.9	33.7	32.4	29.6	33.1
Biomass and Renewable Wastes	9.7	8.8	9.3	11.9	11.5	12.6
Solar	0.0	0.0	0.0	0.1	0.1	0.1
Geothermal	0.1	0.1	0.0	0.0	0.0	0.0
Electricity	29.5	33.1	36.4	38.2	37.3	37.9
Derived heat	0.6	3.2	4.2	3.5	2.5	2.3
Wastes, Non-Renewable	0.1	0.2	0.1	0.1	0.1	0.1
by Sector						
Industry	36.2	37.3	33.5	28.5	27.0	30.0
Transport	45.9	50.6	50.5	49.7	49.6	49.3
Households	35.8	45.3	43.2	43.5	41.9	43.7
Services	20.6	13.6	20.6	23.0	22.6	23.0
Agriculture and Fishing	4.1	4.3	4.7	4.5	4.4	4.6
Other	1.0	4.1	7.9	6.3	1.8	1.5

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

	1995	2000	2005	2010	2012	2013
Installed Capacity (GW)	**107.6**	**114.7**	**115.9**	**124.5**	**129.3**	**130.1**
Combustible Fuels	23.9	26.1	26.4	28.8	27.8	27.2
Nuclear	58.5	63.2	63.3	63.1	63.1	63.1
Hydro	25.0	25.1	25.1	25.3	25.4	25.4
Wind	0.0	0.0	0.9	6.0	7.6	8.2
Solar PV	0.0	0.0	0.0	1.0	4.0	4.6
Geothermal					0.0	0.0
Tide, Wave and Ocean	0.2	0.2	0.2	0.2	0.2	0.2
Other Sources					1.3	1.3
Gross Electricity Generation (TWh)	**494.3**	**540.0**	**576.2**	**569.2**	**565.8**	**572.5**
Solid Fuels	24.2	27.0	27.5	23.4	18.9	21.9
Petroleum and Products	7.7	7.2	7.9	5.5	6.2	2.5
Gases	6.2	15.4	26.3	26.7	24.5	20.0
Nuclear	377.2	415.2	451.5	428.5	425.4	423.7
Renewables	78.5	74.2	61.3	83.2	88.1	101.7
Wastes, non-RES	0.4	1.1	1.7	2.0	2.0	2.0
Cogeneration Heat and Power						
CHP Electrical Capacity (GW)			6.6	4.6	5.5	4.8
CHP Electricity Generation (TWh)			23.2	15.7	15.2	13.9
CHP in Total Electricity Generation (%)			4.0 %	2.8 %	2.7 %	2.4 %
CHP Heat Production (PJ)			209.2	173.9	150.9	150.7
Transport Fuels (ktoe)						
Final Consumption Petroleum Products	44879	49276	48733	46140	45720	45365
Motor Gasoline	16711	14655	11470	7855	6958	6739
Gas/Diesel Oil	23352	28172	30705	31767	32058	31986
Final Consumption Biofuels	154	325	651	2397	2655	2690
Biogasoline	24	58	75	405	400	392
Biodiesel	130	266	576	1993	2255	2298
Main Energy Indicators						
Energy Intensity (toe/M€'10)	158	145	144	134	126	126
Energy per Capita (kgoe/cap)	4063	4231	4382	4119	3938	3935
Final Electricity per Capita (KWh/cap)	5762	6323	6697	6835	6616	6688
Primary Energy Intensity (toe/M€'10)	147	136	135	127	119	120
Import Dependency (%)	**48.0 %**	**51.5 %**	**51.6 %**	**49.0 %**	**48.0 %**	**47.9 %**
on Solid Fuels	56.8 %	86.4 %	94.5 %	101.0 %	95.1 %	93.4 %
on Hard Coal	58.0 %	87.3 %	92.9 %	100.6 %	93.5 %	91.9 %
on Petroleum Fuels	96.9 %	99.5 %	99.3 %	97.6 %	97.8 %	98.9 %
on Crude and NGL	95.8 %	98.5 %	98.2 %	98.2 %	99.2 %	99.6 %
on Natural Gas	93.0 %	100.0 %	99.3 %	93.0 %	96.6 %	97.4 %
RES of the Gross Final Energy (%)						
Overall RES with Aviation Cap				12.8 %	13.6 %	14.2 %
RES-H&C – Heating and Cooling				16.4 %	17.3 %	18.3 %
RES-E – Electricity Generation				14.7 %	16.4 %	16.9 %
RES-T – Transport				6.1 %	7.1 %	7.2 %
Gases emissions (Mio ton CO_2)						
CO_2 Emissions	413	435	446	410	387	
GHGs Emissions	571	584	583	541	514	
Main Emissions Indicators						
CO_2 per Capita (kg CO_2/cap)	6942	7152	7065	6308	5904	
Carbon Intensity (kg CO_2/toe)	1708	1690	1612	1532	1499	
CO_2 GDP Intensity (ton CO_2/M€'10)	269	246	232	205	189	

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

5.11 Croatia

Mtoe, unless otherwise stated	1995	2000	2005	2010	2012	2013
Production	**4.2**	**3.6**	**3.8**	**4.2**	**3.6**	**3.7**
Solid Fuels	0.0					0.0
of which Hard Coal	0.0					0.0
Petroleum and Products	1.8	1.3	1.0	0.8	0.8	0.7
of which Crude and NGL	1.8	1.3	1.0	0.8	0.6	0.6
Gases	1.6	1.4	1.9	2.2	1.6	1.5
of which Natural Gas	1.6	1.4	1.9	2.2	1.6	1.5
Nuclear						
Renewables	0.7	0.9	0.9	1.2	1.2	1.5
Wastes, Non-Renewable	0.0	0.0	0.0	0.0	0.0	0.0
Net Imports	**2.9**	**4.1**	**5.2**	**4.5**	**4.4**	**4.1**
Solid Fuels	0.2	0.5	0.6	0.7	0.6	0.7
of which Hard Coal	0.1	0.4	0.6	0.7	0.5	0.7
Petroleum and Products	2.2	2.4	3.6	3.0	2.4	2.5
of which Crude and NGL	4.0	3.9	4.0	3.6	2.4	2.5
Gases	0.2	0.9	0.6	0.5	0.9	0.7
of which Natural Gas	0.2	0.9	0.6	0.5	0.9	0.7
Renewables				-0.1	-0.2	-0.2
Electricity	0.3	0.3	0.4	0.4	0.7	0.4
Gross Inland Consumption	**7.1**	**7.8**	**8.9**	**8.6**	**8.1**	**7.8**
Solid Fuels	0.2	0.4	0.7	0.7	0.6	0.7
of which Hard Coal	0.1	0.4	0.6	0.6	0.6	0.6
Petroleum and Products	3.9	3.9	4.5	3.7	3.4	3.2
of which Crude and NGL	5.8	5.4	5.1	4.3	3.2	3.1
Gases	1.9	2.2	2.4	2.6	2.4	2.3
of which Natural Gas	1.9	2.2	2.4	2.6	2.4	2.3
Nuclear						
Renewables	0.7	0.9	0.9	1.1	1.0	1.3
Electricity	0.3	0.3	0.4	0.4	0.7	0.4
Wastes, Non-Renewable		0.0	0.0	0.0	0.0	0.0
Primary Energy Consumption	**6.3**	**7.1**	**8.2**	**8.0**	**7.6**	**7.3**
Available for Final Consumption	**5.3**	**6.0**	**7.0**	**6.9**	**6.4**	**6.4**
Final Non-Energy Consumption	**0.8**	**0.7**	**0.7**	**0.6**	**0.5**	**0.5**
Final Energy Consumption	**4.5**	**5.4**	**6.3**	**6.3**	**5.9**	**5.8**
by Fuel/Product						
Solid Fuels	0.1	0.1	0.1	0.2	0.1	0.1
Petroleum and Products	2.1	2.7	3.1	2.9	2.7	2.7
Gases	0.9	1.0	1.2	1.3	1.1	1.0
Biomass and Renewable Wastes	0.3	0.4	0.4	0.4	0.5	0.5
Solar				0.0	0.0	0.0
Geothermal				0.0	0.0	0.0
Electricity	0.9	1.0	1.2	1.4	1.3	1.3
Derived heat	0.2	0.2	0.3	0.2	0.2	0.2
Wastes, Non-Renewable		0.0	0.0	0.0	0.0	0.0
by Sector						
Industry	1.3	1.4	1.6	1.4	1.1	1.1
Transport	1.2	1.5	1.9	2.1	2.0	2.0
Households	1.4	1.7	1.9	1.9	1.8	1.7
Services	0.4	0.5	0.7	0.8	0.7	0.7
Agriculture and Fishing	0.2	0.3	0.2	0.2	0.2	0.2
Other						

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

	1995	2000	2005	2010	2012	2013
Installed Capacity (GW)	**2.1**	**2.1**	**3.9**	**4.1**	**4.2**	**4.3**
Combustible Fuels			1.8	1.9	1.9	1.8
Nuclear						
Hydro	2.1	2.1	2.1	2.1	2.1	2.2
Wind			0.0	0.1	0.2	0.3
Solar PV					0.0	0.0
Geothermal						
Tide, Wave and Ocean						
Other Sources						
Gross Electricity Generation (TWh)	**8.9**	**10.7**	**12.5**	**14.1**	**10.6**	**13.4**
Solid Fuels	0.2	1.6	2.3	2.4	2.2	2.4
Petroleum and Products	2.5	1.7	1.9	0.6	0.6	0.2
Gases	0.9	1.6	1.8	2.6	2.5	2.0
Nuclear						
Renewables	5.3	5.9	6.5	8.6	5.2	8.8
Wastes, non-RES	0.0	0.0	0.0	0.0	0.0	0.0
Cogeneration Heat and Power						
CHP Electrical Capacity (GW)				0.7	0.7	0.7
CHP Electricity Generation (TWh)				2.0	2.1	1.7
CHP in Total Electricity Generation (%)				14.3%	19.9%	12.6%
CHP Heat Production (PJ)				14.9	14.0	13.3
Transport Fuels (ktoe)						
Final Consumption Petroleum Products	1 186	1 526	1 901	2 042	1 947	1 983
Motor Gasoline	594	815	739	678	616	602
Gas/Diesel Oil	477	623	1 038	1 186	1 148	1 187
Final Consumption Biofuels				3	37	33
Biogasoline					1	1
Biodiesel				3	36	31
Main Energy Indicators						
Energy Intensity (toe/M€'10)	237	221	202	190	185	180
Energy per Capita (kgoe/cap)	1 520	1 761	2 061	1 993	1 902	1 838
Final Electricity per Capita (KWh/cap)	2 133	2 673	3 344	3 692	3 596	3 540
Primary Energy Intensity (toe/M€'10)	210	202	187	177	173	168
Import Dependency (%)	**40.6%**	**52.9%**	**58.4%**	**52.1%**	**53.6%**	**52.3%**
on Solid Fuels	85.7%	111.1%	91.4%	102.3%	87.8%	110.1%
on Hard Coal	73.9%	112.9%	90.5%	102.7%	87.3%	110.7%
on Petroleum Fuels	55.6%	61.0%	79.4%	80.4%	71.4%	77.1%
on Crude and NGL	69.2%	72.1%	78.9%	82.2%	74.3%	81.1%
on Natural Gas	11.6%	41.0%	23.7%	18.1%	37.0%	31.9%
RES of the Gross Final Energy (%)						
Overall RES with Aviation Cap				14.3%	16.8%	18.0%
RES-H&C – Heating and Cooling				13.0%	18.3%	18.1%
RES-E – Electricity Generation				34.2%	35.5%	38.7%
RES-T – Transport				0.5%	0.4%	2.1%
Gases emissions (Mio ton CO_2)						
CO_2 Emissions	18	20	24	22	19	
GHGs Emissions	24	27	31	29	27	
Main Emissions Indicators						
CO_2 per Capita (kg CO_2/cap)	3763	4592	5521	5026	4567	
Carbon Intensity (kg CO_2/toe)	2476	2608	2678	2522	2401	
CO_2 GDP Intensity (ton CO_2/M€'10)	586	576	542	480	444	

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

5.12 Italy

Mtoe, unless otherwise stated	1995	2000	2005	2010	2012	2013
Production	**29.8**	**28.5**	**27.8**	**29.6**	**35.0**	**36.9**
Solid Fuels	0.0	0.0	0.1	0.1	0.1	0.0
of which Hard Coal			0.1	0.1	0.1	0.0
Petroleum and Products	5.6	5.0	6.4	5.7	5.7	5.8
of which Crude and NGL	5.3	4.6	6.2	5.1	5.5	5.6
Gases	16.6	13.6	9.9	6.9	7.0	6.3
of which Natural Gas	16.3	13.6	9.9	6.9	7.0	6.3
Nuclear						
Renewables	7.5	9.6	10.8	15.9	21.1	23.5
Wastes, Non-Renewable	0.2	0.3	0.7	1.0	1.1	1.1
Net Imports	**134.5**	**152.1**	**160.2**	**149.8**	**133.8**	**124.7**
Solid Fuels	13.0	13.1	16.4	14.3	15.8	13.5
of which Hard Coal	12.6	12.9	15.9	14.5	15.9	13.0
Petroleum and Products	89.5	87.6	79.2	67.8	56.2	54.2
of which Crude and NGL	73.7	83.3	89.1	79.3	69.1	58.9
Gases	28.5	47.0	59.8	61.6	55.4	50.6
of which Natural Gas	28.5	47.0	59.8	61.6	55.4	50.6
Renewables	0.2	0.5	0.7	2.3	2.8	2.9
Electricity	3.2	3.8	4.2	3.8	3.7	3.6
Gross Inland Consumption	**161.8**	**174.2**	**187.5**	**174.8**	**166.3**	**160.0**
Solid Fuels	12.3	12.6	16.5	14.2	16.3	14.0
of which Hard Coal	11.9	12.2	16.0	14.3	16.5	13.6
Petroleum and Products	93.5	89.5	84.0	69.6	59.9	57.5
of which Crude and NGL	79.4	87.5	94.8	83.9	74.9	63.8
Gases	44.9	57.9	70.7	68.1	61.4	57.4
of which Natural Gas	44.7	57.9	70.7	68.1	61.4	57.4
Nuclear						
Renewables	7.7	10.1	11.5	18.1	23.9	26.4
Electricity	3.2	3.8	4.2	3.8	3.7	3.6
Wastes, Non-Renewable	0.2	0.3	0.7	1.0	1.1	1.1
Primary Energy Consumption	**152.0**	**165.8**	**178.9**	**165.2**	**158.4**	**153.7**
Available for Final Consumption	**124.9**	**133.7**	**142.6**	**133.5**	**127.4**	**125.4**
Final Non-Energy Consumption	**9.7**	**8.4**	**8.6**	**9.6**	**7.9**	**6.3**
Final Energy Consumption	**114.6**	**124.7**	**134.5**	**124.8**	**122.1**	**118.7**
by Fuel/Product						
Solid Fuels	3.9	3.6	4.0	2.9	3.4	2.4
Petroleum and Products	54.1	57.8	59.0	48.7	45.2	43.8
Gases	34.7	38.0	40.6	38.5	35.7	35.4
Biomass and Renewable Wastes	1.1	1.5	1.7	5.1	8.3	8.2
Solar	0.0	0.0	0.0	0.1	0.2	0.2
Geothermal	0.2	0.2	0.2	0.1	0.1	0.1
Electricity	20.5	23.5	25.9	25.7	25.5	24.7
Derived heat			3.1	3.3	3.4	3.7
Wastes, Non-Renewable	0.1	0.1	0.1	0.2	0.3	0.3
by Sector						
Industry	36.0	39.7	39.9	31.3	29.4	27.0
Transport	38.6	42.5	44.8	41.7	39.4	38.7
Households	26.3	27.6	31.3	31.7	34.3	34.2
Services	9.8	11.5	15.1	17.0	15.9	15.8
Agriculture and Fishing	3.3	3.2	3.3	2.9	2.8	2.8
Other	0.6	0.2	0.2	0.2	0.2	0.1

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

	1995	2000	2005	2010	2012	2013
Installed Capacity (GW)	**65.9**	**75.5**	**85.5**	**106.5**	**124.2**	**124.8**
Combustible Fuels	45.5	54.0	61.9	74.7	76.8	74.7
Nuclear						
Hydro	19.8	20.3	21.0	21.5	21.9	22.0
Wind	0.0	0.4	1.6	5.8	8.1	8.5
Solar PV	0.0	0.0	0.0	3.5	16.4	18.4
Geothermal	0.5	0.6	0.7	0.7	0.7	0.7
Tide, Wave and Ocean						
Other Sources	0.1	0.2	0.2	0.3	0.3	0.3
Gross Electricity Generation (TWh)	**241.5**	**276.6**	**303.7**	**302.1**	**299.3**	**289.8**
Solid Fuels	24.1	26.3	43.6	39.7	49.1	45.1
Petroleum and Products	120.8	85.9	47.1	21.7	18.9	15.5
Gases	50.4	105.6	155.1	157.4	134.0	112.3
Nuclear						
Renewables	45.6	57.6	55.3	80.3	94.2	113.9
Wastes, non-RES	0.2	0.5	1.5	2.1	2.3	2.3
Cogeneration Heat and Power						
CHP Electrical Capacity (GW)			5.9	7.4	7.6	8.3
CHP Electricity Generation (TWh)			27.4	34.7	35.8	36.7
CHP in Total Electricity Generation (%)			9.0%	11.5%	12.0%	12.7%
CHP Heat Production (PJ)			193.1	202.5	203.2	212.8
Transport Fuels (ktoe)						
Final Consumption Petroleum Products	37665	41461	43427	38702	36271	35495
Motor Gasoline	18279	17556	14175	10276	8770	8399
Gas/Diesel Oil	15238	18415	23793	22703	21910	21435
Final Consumption Biofuels			177	1419	1368	1251
Biogasoline				122	105	74
Biodiesel			177	1297	1263	1176
Main Energy Indicators						
Energy Intensity (toe/M€'10)	115	112	115	109	106	104
Energy per Capita (kgoe/cap)	2846	3060	3222	2921	2756	2638
Final Electricity per Capita (KWh/cap)	4192	4794	5171	5003	4918	4739
Primary Energy Intensity (toe/M€'10)	108	107	110	103	101	100
Import Dependency (%)	**81.9%**	**86.5%**	**84.5%**	**84.3%**	**79.3%**	**76.9%**
on Solid Fuels	105.9%	104.6%	99.4%	100.9%	96.7%	96.2%
on Hard Coal	105.6%	105.7%	99.7%	101.5%	96.8%	95.5%
on Petroleum Fuels	93.3%	96.1%	91.8%	93.5%	90.1%	90.7%
on Crude and NGL	92.8%	95.1%	94.0%	94.5%	92.3%	92.3%
on Natural Gas	63.9%	81.1%	84.7%	90.5%	90.2%	88.1%
RES of the Gross Final Energy (%)						
Overall RES with Aviation Cap				10.5%	15.4%	16.7%
RES-H&C – Heating and Cooling				10.4%	16.9%	18.0%
RES-E – Electricity Generation				20.1%	27.4%	31.3%
RES-T – Transport				4.6%	5.8%	5.0%
Gases emissions (Mio ton CO_2)						
CO_2 Emissions	455	474	504	441	402	
GHGs Emissions	540	564	590	516	475	
Main Emissions Indicators						
CO_2 per Capita (kg CO_2/cap)	7998	8333	8663	7378	6656	
Carbon Intensity (kg CO_2/toe)	2811	2723	2689	2526	2415	
CO_2 GDP Intensity (ton CO_2/M€'10)	323	305	309	275	256	

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

5.13 Cyprus

Mtoe, unless otherwise stated	1995	2000	2005	2010	2012	2013
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
Wastes, Non-Renewable			0.0	0.0	0.0	0.0
Net Imports	**2.0**	**2.6**	**2.8**	**2.9**	**2.6**	**2.3**
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		
Petroleum and Products	2.0	2.5	2.8	2.9	2.6	2.3
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	**2.0**	**2.4**	**2.5**	**2.7**	**2.5**	**2.2**
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		
Petroleum and Products	1.9	2.3	2.4	2.6	2.4	2.1
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
Electricity						
Wastes, Non-Renewable			0.0	0.0	0.0	0.0
Primary Energy Consumption	**1.9**	**2.3**	**2.5**	**2.7**	**2.5**	**2.2**
Available for Final Consumption	**1.5**	**1.7**	**1.8**	**2.0**	**1.8**	**1.6**
Final Non-Energy Consumption	**0.1**	**0.1**	**0.1**	**0.1**	**0.0**	**0.0**
Final Energy Consumption	**1.4**	**1.6**	**1.8**	**1.9**	**1.8**	**1.6**
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	1.3	1.2
Gases						
Biomass and Renewable Wastes	0.0	0.0	0.0	0.0	0.0	0.0
Solar	0.0	0.0	0.0	0.1	0.1	0.1
Geothermal				0.0	0.0	0.0
Electricity	0.2	0.3	0.3	0.4	0.4	0.3
Derived heat				0.0	0.0	0.0
Wastes, Non-Renewable			0.0	0.0	0.0	0.0
by Sector						
Industry	0.4	0.4	0.3	0.2	0.2	0.2
Transport	0.8	0.9	1.0	1.1	1.0	0.9
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 and Fishing	0.0	0.0	0.0	0.0	0.0	0.0
Other	0.1	0.1	0.0	0.0	0.0	0.0

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

	1995	2000	2005	2010	2012	2013
Installed Capacity (GW)	**0.7**	**1.0**	**1.1**	**1.6**	**1.7**	**1.8**
Combustible Fuels	0.7	1.0	1.1	1.5	1.6	1.6
Nuclear						
Hydro						
Wind				0.1	0.1	0.1
Solar PV			0.0	0.0	0.0	0.0
Geothermal				0.0	0.0	0.0
Tide, Wave and Ocean						
Other Sources						
Gross Electricity Generation (TWh)	**2.5**	**3.4**	**4.4**	**5.3**	**4.7**	**4.3**
Solid Fuels						
Petroleum and Products	2.5	3.4	4.4	5.2	4.5	4.0
Gases						
Nuclear						
Renewables			0.0	0.1	0.3	0.3
Wastes, non-RES						0.0
Cogeneration Heat and Power						
CHP Electrical Capacity (GW)			0.0	0.0	0.0	0.0
CHP Electricity Generation (TWh)			0.0	0.1	0.0	0.1
CHP in Total Electricity Generation (%)			0.3 %	1.1 %	0.6 %	1.4 %
CHP Heat Production (PJ)			0.1	0.1	0.0	0.2
Transport Fuels (ktoe)						
Final Consumption Petroleum Products	760	860	982	1 035	951	854
Motor Gasoline	194	218	321	413	394	369
Gas/Diesel Oil	293	359	355	338	279	237
Final Consumption Biofuels				15	16	15
Biogasoline						
Biodiesel				15	16	15
Main Energy Indicators						
Energy Intensity (toe/M€'10)	168	170	150	144	135	124
Energy per Capita (kgoe/cap)	3 019	3 477	3 438	3 303	2 913	2 540
Final Electricity per Capita (KWh/cap)	3 416	4 317	5 362	5 886	5 103	4 549
Primary Energy Intensity (toe/M€'10)	162	164	146	139	133	122
Import Dependency (%)	**100.5 %**	**98.6 %**	**100.7 %**	**100.8 %**	**97.0 %**	**96.5 %**
on Solid Fuels	100.0 %	100.0 %	119.4 %	64.7 %		
on Hard Coal	100.0 %	100.0 %	119.4 %	64.7 %		
on Petroleum Fuels	102.6 %	100.3 %	102.3 %	104.2 %	101.0 %	101.0 %
on Crude and NGL	96.3 %	98.5 %				
on Natural Gas						
RES of the Gross Final Energy (%)						
Overall RES with Aviation Cap				6.0 %	6.8 %	8.1 %
RES-H&C – Heating and Cooling				18.2 %	20.7 %	21.7 %
RES-E – Electricity Generation				1.4 %	4.9 %	6.6 %
RES-T – Transport				2.0 %	0.0 %	1.1 %
Gases emissions (Mio ton CO_2)						
CO_2 Emissions	7	8	10	9	9	
GHGs Emissions	9	10	12	11	11	
Main Emissions Indicators						
CO_2 per Capita (kg CO_2/cap)	10 430	12 188	13 070	11 134	9842	
Carbon Intensity (kg CO_2/toe)	3 455	3 505	3 802	3 370	3 378	
CO_2 GDP Intensity (ton CO_2/M€'10)	579	596	571	484	456	

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

5.14 Latvia

Mtoe, unless otherwise stated	1995	2000	2005	2010	2012	2013
Production	**1.4**	**1.5**	**1.9**	**2.0**	**2.3**	**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	0.1	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	2.0	2.3	2.1
Wastes, Non-Renewable			0.0	0.0	0.0	0.0
Net Imports	**3.4**	**2.4**	**3.1**	**2.2**	**2.7**	**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	1.2	1.8	1.7	1.6	1.7
of which Crude and NGL						
Gases	1.0	1.1	1.4	0.9	1.4	1.4
of which Natural Gas	1.0	1.1	1.4	0.9	1.4	1.4
Renewables	-0.1	-0.2	-0.4	-0.6	-0.6	-0.6
Electricity	0.2	0.2	0.2	0.1	0.1	0.1
Gross Inland Consumption	**4.6**	**3.9**	**4.6**	**4.6**	**4.5**	**4.5**
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	1.3	1.5	1.5	1.4	1.4
of which Crude and NGL						
Gases	1.0	1.1	1.4	1.5	1.2	1.2
of which Natural Gas	1.0	1.1	1.4	1.5	1.2	1.2
Nuclear						
Renewables	1.3	1.2	1.5	1.4	1.7	1.6
Electricity	0.2	0.2	0.2	0.1	0.1	0.1
Wastes, Non-Renewable			0.0	0.0	0.1	0.1
Primary Energy Consumption	**4.6**	**3.8**	**4.5**	**4.6**	**4.4**	**4.4**
Available for Final Consumption	**3.9**	**3.3**	**4.1**	**4.2**	**4.1**	**4.0**
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**	**4.1**	**4.0**	**3.9**
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	1.3	1.3
Gases	0.4	0.3	0.5	0.5	0.4	0.3
Biomass and Renewable Wastes	0.9	0.8	1.0	0.9	1.1	1.0
Solar						
Geothermal						
Electricity	0.4	0.4	0.5	0.5	0.6	0.6
Derived heat	0.9	0.6	0.6	0.6	0.5	0.5
Wastes, Non-Renewable			0.0	0.0	0.1	0.1
by Sector						
Industry	0.7	0.6	0.7	0.8	0.8	0.8
Transport	0.7	0.7	1.1	1.2	1.1	1.1
Households	1.6	1.3	1.5	1.4	1.4	1.3
Services	0.7	0.5	0.6	0.6	0.6	0.6
Agriculture and Fishing	0.2	0.1	0.2	0.2	0.1	0.2
Other	0.0		0.0	0.0	0.0	0.0

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

	1995	2000	2005	2010	2012	2013
Installed Capacity (GW)	**2.1**	**2.1**	**2.2**	**2.6**	**2.7**	**2.9**
Combustible Fuels	0.6	0.6	0.6	1.0	1.0	1.3
Nuclear						
Hydro	1.5	1.5	1.5	1.6	1.6	1.6
Wind	0.0	0.0	0.0	0.0	0.1	0.1
Solar PV						
Geothermal						
Tide, Wave and Ocean						
Other Sources					0.0	
Gross Electricity Generation (TWh)	**4.0**	**4.1**	**4.9**	**6.6**	**6.2**	**6.2**
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	3.0	2.1	2.7
Nuclear						
Renewables	2.9	2.8	3.4	3.6	4.1	3.5
Wastes, non-RES						
Cogeneration Heat and Power						
CHP Electrical Capacity (GW)			0.6	0.9	1.0	1.2
CHP Electricity Generation (TWh)			1.5	3.0	2.1	2.4
CHP in Total Electricity Generation (%)			30.7 %	45.0 %	34.1 %	38.3 %
CHP Heat Production (PJ)			11.9	10.4	8.8	11.3
Transport Fuels (ktoe)						
Final Consumption Petroleum Products	699	734	1 050	1 163	1 018	1 033
Motor Gasoline	430	347	352	294	232	210
Gas/Diesel Oil	242	340	613	728	621	642
Final Consumption Biofuels			3	27	22	22
Biogasoline				8	6	6
Biodiesel			3	19	15	15
Main Energy Indicators						
Energy Intensity (toe/M€'10)	485	318	252	257	229	216
Energy per Capita (kgoe/cap)	1 860	1 632	2 051	2 207	2 231	2 219
Final Electricity per Capita (KWh/cap)	1 797	1 891	2 559	2 963	3 367	3 267
Primary Energy Intensity (toe/M€'10)	480	311	247	253	224	211
Import Dependency (%)	**70.4 %**	**61.0 %**	**63.9 %**	**45.5 %**	**56.4 %**	**55.8 %**
on Solid Fuels	61.6 %	46.2 %	93.9 %	102.8 %	94.6 %	87.7 %
on Hard Coal	93.6 %	81.8 %	97.3 %	106.7 %	98.9 %	91.4 %
on Petroleum Fuels	102.6 %	94.8 %	102.2 %	94.4 %	101.7 %	100.3 %
on Crude and NGL						
on Natural Gas	98.9 %	101.9 %	105.6 %	61.8 %	113.8 %	115.5 %
RES of the Gross Final Energy (%)						
Overall RES with Aviation Cap				30.4 %	35.8 %	37.1 %
RES-H&C – Heating and Cooling				40.7 %	47.4 %	49.7 %
RES-E – Electricity Generation				42.1 %	44.9 %	48.8 %
RES-T – Transport				3.3 %	3.1 %	3.1 %
Gases emissions (Mio ton CO_2)						
CO_2 Emissions	10	7	9	10	9	
GHGs Emissions	13	10	12	13	12	
Main Emissions Indicators						
CO_2 per Capita (kg CO_2/cap)	3 859	2 988	3 908	4 604	4 209	
Carbon Intensity (kg CO_2/toe)	2 074	1 831	1 905	2 086	1 886	
CO_2 GDP Intensity (ton CO_2/M€'10)	1 006	581	480	536	432	

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

5.15 Lithuania

Mtoe, unless otherwise stated	1995	2000	2005	2010	2012	2013
Production	**3.8**	**3.3**	**4.0**	**1.3**	**1.3**	**1.4**
Solid Fuels	0.0	0.0	0.0	0.0	0.0	0.0
of which Hard Coal						
Petroleum and Products	0.2	0.4	0.3	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			
Renewables	0.5	0.7	0.9	1.2	1.2	1.3
Wastes, Non-Renewable						0.0
Net Imports	**5.5**	**4.2**	**5.0**	**5.7**	**5.8**	**5.3**
Solid Fuels	0.2	0.1	0.2	0.2	0.2	0.3
of which Hard Coal	0.2	0.1	0.2	0.2	0.2	0.2
Petroleum and Products	3.6	2.2	2.6	2.6	2.4	2.3
of which Crude and NGL	3.1	4.6	8.9	9.0	8.6	9.0
Gases	2.0	2.1	2.5	2.5	2.7	2.2
of which Natural Gas	2.0	2.1	2.5	2.5	2.7	2.2
Renewables	0.0	0.0	0.0	-0.1	-0.1	-0.1
Electricity	-0.2	-0.1	-0.3	0.5	0.6	0.6
Gross Inland Consumption	**8.6**	**7.1**	**8.7**	**6.8**	**7.1**	**6.7**
Solid Fuels	0.2	0.1	0.2	0.2	0.2	0.3
of which Hard Coal	0.2	0.1	0.2	0.2	0.2	0.2
Petroleum and Products	3.0	2.1	2.7	2.5	2.5	2.4
of which Crude and NGL	3.1	4.8	9.3	9.1	8.7	9.1
Gases	2.0	2.1	2.5	2.5	2.7	2.2
of which Natural Gas	2.0	2.1	2.5	2.5	2.7	2.2
Nuclear	3.1	2.2	2.7			
Renewables	0.5	0.7	0.9	1.1	1.2	1.2
Electricity	-0.2	-0.1	-0.3	0.5	0.6	0.6
Wastes, Non-Renewable	0.0	0.0	0.0	0.0	0.0	0.0
Primary Energy Consumption	**8.1**	**6.4**	**7.9**	**6.1**	**5.9**	**5.7**
Available for Final Consumption	**5.1**	**4.3**	**5.4**	**5.5**	**6.1**	**5.7**
Final Non-Energy Consumption	**0.5**	**0.7**	**0.8**	**0.7**	**1.2**	**1.0**
Final Energy Consumption	**4.6**	**3.8**	**4.6**	**4.8**	**4.8**	**4.7**
by Fuel/Product						
Solid Fuels	0.2	0.1	0.2	0.2	0.2	0.3
Petroleum and Products	1.7	1.4	1.6	1.6	1.6	1.6
Gases	0.5	0.4	0.5	0.6	0.5	0.5
Biomass and Renewable Wastes	0.4	0.6	0.7	0.7	0.8	0.7
Solar						
Geothermal						
Electricity	0.5	0.5	0.7	0.7	0.8	0.8
Derived heat	1.2	0.8	0.9	0.9	0.9	0.8
Wastes, Non-Renewable						
by Sector						
Industry	1.0	0.8	1.0	0.9	1.0	1.0
Transport	1.0	1.1	1.4	1.5	1.6	1.6
Households	1.6	1.4	1.5	1.6	1.5	1.5
Services	0.7	0.5	0.6	0.6	0.6	0.6
Agriculture and Fishing	0.2	0.1	0.1	0.1	0.1	0.1
Other			0.0	0.0	0.0	0.0

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

	1995	2000	2005	2010	2012	2013
Installed Capacity (GW)	**5.9**	**5.7**	**4.6**	**3.6**	**4.2**	**4.3**
Combustible Fuels	2.5	2.5	2.5	2.5	3.1	3.1
Nuclear	2.7	2.4	1.2			
Hydro	0.7	0.9	0.9	0.9	0.9	0.9
Wind			0.0	0.1	0.3	0.3
Solar PV					0.0	0.1
Geothermal						
Tide, Wave and Ocean						
Other Sources	0.0	0.0	0.0	0.0	0.0	0.0
Gross Electricity Generation (TWh)	**13.9**	**11.4**	**14.8**	**5.7**	**5.0**	**4.8**
Solid Fuels						
Petroleum and Products	1.1	0.7	0.4	0.6	0.2	0.2
Gases	0.2	1.6	3.0	3.2	2.9	2.2
Nuclear	11.8	8.4	10.3			
Renewables	0.8	0.6	0.8	1.7	1.7	2.1
Wastes, non-RES						0.0
Cogeneration Heat and Power						
CHP Electrical Capacity (GW)			1.0	1.1	1.2	1.2
CHP Electricity Generation (TWh)			2.3	2.0	1.8	1.7
CHP in Total Electricity Generation (%)			15.5%	34.6%	36.1%	35.0%
CHP Heat Production (PJ)			19.9	19.3	15.4	15.3
Transport Fuels (ktoe)						
Final Consumption Petroleum Products	1031	1050	1405	1469	1473	1478
Motor Gasoline	618	390	351	296	231	210
Gas/Diesel Oil	346	513	779	951	1026	1052
Final Consumption Biofuels			3	45	61	58
Biogasoline			1	10	8	6
Biodiesel			3	34	52	51
Main Energy Indicators						
Energy Intensity (toe/M€'10)	597	389	330	242	230	210
Energy per Capita (kgoe/cap)	2380	2018	2622	2191	2375	2261
Final Electricity per Capita (KWh/cap)	1751	1771	2401	2690	2986	3028
Primary Energy Intensity (toe/M€'10)	560	352	299	217	190	178
Import Dependency (%)	**63.1%**	**59.4%**	**56.8%**	**81.8%**	**80.3%**	**78.3%**
on Solid Fuels	64.4%	87.0%	94.6%	92.0%	89.3%	99.6%
on Hard Coal	69.1%	100.0%	102.6%	95.3%	95.7%	108.5%
on Petroleum Fuels	114.5%	100.4%	91.9%	98.7%	92.9%	93.2%
on Crude and NGL	99.5%	94.5%	95.3%	99.0%	98.8%	98.7%
on Natural Gas	100.0%	100.0%	100.7%	99.7%	100.1%	100.0%
RES of the Gross Final Energy (%)						
Overall RES with Aviation Cap				19.8%	21.7%	23.0%
RES-H&C – Heating and Cooling				33.2%	35.5%	37.7%
RES-E – Electricity Generation				7.4%	10.9%	13.1%
RES-T – Transport				3.6%	4.8%	4.6%
Gases emissions (Mio ton CO_2)						
CO_2 Emissions	16	12	15	14	15	
GHGs Emissions	23	20	24	22	22	
Main Emissions Indicators						
CO_2 per Capita (kg CO_2/cap)	4307	3485	4388	4611	4939	
Carbon Intensity (kg CO_2/toe)	1809	1727	1674	2104	2080	
CO_2 GDP Intensity (ton CO_2/M€'10)	1081	671	552	510	478	

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

5.16 Luxembourg

Mtoe, unless otherwise stated	1995	2000	2005	2010	2012	2013
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	0.0
of which Natural Gas					0.0	0.0
Nuclear						
Renewables	0.0	0.0	0.1	0.1	0.1	0.1
Wastes, Non-Renewable	0.0	0.0	0.0	0.0	0.0	0.0
Net Imports	**3.2**	**3.6**	**4.7**	**4.5**	**4.3**	**4.2**
Solid Fuels	0.5	0.1	0.1	0.1	0.1	0.0
of which Hard Coal	0.1	0.1	0.1	0.1	0.0	0.0
Petroleum and Products	1.8	2.4	3.1	2.9	2.8	2.8
of which Crude and NGL						
Gases	0.6	0.7	1.2	1.2	1.1	0.9
of which Natural Gas	0.6	0.7	1.2	1.2	1.1	0.9
Renewables		0.0	0.0	0.0	0.0	0.1
Electricity	0.4	0.5	0.3	0.3	0.4	0.4
Gross Inland Consumption	**3.3**	**3.7**	**4.8**	**4.6**	**4.5**	**4.3**
Solid Fuels	0.5	0.1	0.1	0.1	0.1	0.0
of which Hard Coal	0.1	0.1	0.1	0.1	0.0	0.0
Petroleum and Products	1.8	2.3	3.2	2.9	2.8	2.8
of which Crude and NGL						
Gases	0.6	0.7	1.2	1.2	1.1	0.9
of which Natural Gas	0.6	0.7	1.2	1.2	1.1	0.9
Nuclear						
Renewables	0.0	0.0	0.1	0.1	0.1	0.2
Electricity	0.4	0.5	0.3	0.3	0.4	0.4
Wastes, Non-Renewable	0.0	0.0	0.0	0.0	0.0	0.0
Primary Energy Consumption	**3.3**	**3.6**	**4.8**	**4.6**	**4.4**	**4.3**
Available for Final Consumption	**3.2**	**3.6**	**4.5**	**4.4**	**4.2**	**4.2**
Final Non-Energy Consumption	**0.0**	**0.1**	**0.0**	**0.0**	**0.0**	**0.0**
Final Energy Consumption	**3.1**	**3.5**	**4.5**	**4.3**	**4.2**	**4.1**
by Fuel/Product						
Solid Fuels	0.3	0.1	0.1	0.1	0.1	0.0
Petroleum and Products	1.7	2.3	3.1	2.8	2.8	2.7
Gases	0.6	0.6	0.6	0.7	0.6	0.6
Biomass and Renewable Wastes	0.0	0.0	0.0	0.1	0.1	0.1
Solar			0.0	0.0	0.0	0.0
Geothermal						
Electricity	0.4	0.5	0.5	0.6	0.5	0.5
Derived heat		0.0	0.1	0.1	0.1	0.1
Wastes, Non-Renewable		0.0	0.0	0.0	0.0	0.0
by Sector						
Industry	1.2	0.7	0.8	0.7	0.6	0.5
Transport	1.3	1.9	2.8	2.6	2.6	2.5
Households	0.6	0.5	0.5	0.5	0.5	0.5
Services	0.1	0.4	0.4	0.4	0.5	0.6
Agriculture and Fishing	0.0	0.0	0.0	0.0	0.0	0.0
Other	0.0	0.0				

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

	1995	2000	2005	2010	2012	2013
Installed Capacity (GW)	**1.3**	**1.2**	**1.7**	**1.7**	**1.8**	**1.8**
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
Wind		0.0	0.0	0.0	0.1	0.1
Solar PV			0.0	0.0	0.1	0.1
Geothermal						
Tide, Wave and Ocean						
Other Sources						
Gross Electricity Generation (TWh)	**1.2**	**1.2**	**4.1**	**4.6**	**3.8**	**2.9**
Solid Fuels						
Petroleum and Products	0.0		0.0	0.0	0.0	0.0
Gases	0.3	0.2	3.1	2.9	2.4	1.4
Nuclear						
Renewables	0.9	0.9	1.0	1.6	1.4	1.4
Wastes, non-RES	0.0	0.0	0.0	0.0	0.1	0.1
Cogeneration Heat and Power						
CHP Electrical Capacity (GW)			0.1	0.1	0.5	0.5
CHP Electricity Generation (TWh)			0.4	0.4	0.4	0.4
CHP in Total Electricity Generation (%)			10.1 %	9.6 %	11.7 %	14.6 %
CHP Heat Production (PJ)			1.2	3.2	3.2	3.4
Transport Fuels (ktoe)						
Final Consumption Petroleum Products	1 291	1 909	2 772	2 552	2 519	2 474
Motor Gasoline	529	595	514	360	359	327
Gas/Diesel Oil	569	990	1 823	1 760	1 786	1 772
Final Consumption Biofuels			1	42	49	55
Biogasoline				1	1	1
Biodiesel				41	47	55
Main Energy Indicators						
Energy Intensity (toe/M€'10)	148	121	136	118	111	105
Energy per Capita (kgoe/cap)	8 117	8 362	10 307	9 145	8 395	7 953
Final Electricity per Capita (KWh/cap)	12 200	13 215	13 206	13 015	11 795	11 425
Primary Energy Intensity (toe/M€'10)	146	119	135	117	110	105
Import Dependency (%)	**97.7 %**	**99.6 %**	**97.3 %**	**97.0 %**	**97.4 %**	**96.9 %**
on Solid Fuels	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %
on Hard Coal	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %
on Petroleum Fuels	98.2 %	102.1 %	99.4 %	99.4 %	100.5 %	100.3 %
on Crude and NGL						
on Natural Gas	100.0 %	100.0 %	100.0 %	100.0 %	99.6 %	99.6 %
RES of the Gross Final Energy (%)						
Overall RES with Aviation Cap				2.9 %	3.1 %	3.6 %
RES-H&C – Heating and Cooling				4.8 %	5.0 %	5.6 %
RES-E – Electricity Generation				3.8 %	4.6 %	5.3 %
RES-T – Transport				2.0 %	2.2 %	3.9 %
Gases emissions (Mio ton CO_2)						
CO_2 Emissions	10	10	13	13	12	
GHGs Emissions	11	11	14	14	13	
Main Emissions Indicators						
CO_2 per Capita (kg CO_2/cap)	23 875	22 289	28 781	24 711	22 548	
Carbon Intensity (kg CO_2/toe)	2 941	2 666	2 792	2 702	2 686	
CO_2 GDP Intensity (ton CO_2/M€'10)	435	322	380	319	297	

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

5.17 Hungary

Mtoe, unless otherwise stated	1995	2000	2005	2010	2012	2013
Production	**13.9**	**11.6**	**10.4**	**11.1**	**10.6**	**10.2**
Solid Fuels	3.3	2.9	1.7	1.6	1.6	1.6
of which Hard Coal						0.0
Petroleum and Products	2.3	1.7	1.5	1.2	1.1	0.9
of which Crude and NGL	2.3	1.7	1.4	1.1	0.9	0.9
Gases	3.8	2.5	2.3	2.2	1.8	1.5
of which Natural Gas	3.8	2.5	2.3	2.2	1.8	1.5
Nuclear	3.6	3.7	3.6	4.1	4.1	4.0
Renewables	0.9	0.8	1.2	1.9	2.0	2.1
Wastes, Non-Renewable	0.0	0.0	0.1	0.1	0.1	0.1
Net Imports	**12.5**	**14.0**	**17.4**	**15.0**	**12.3**	**11.9**
Solid Fuels	1.4	1.1	1.3	1.1	1.0	0.7
of which Hard Coal	1.2	1.1	1.3	1.4	1.3	1.1
Petroleum and Products	5.4	5.3	5.8	5.6	4.8	4.8
of which Crude and NGL	5.9	5.9	5.9	5.7	5.4	5.3
Gases	5.5	7.3	9.8	7.7	6.1	5.6
of which Natural Gas	5.5	7.3	9.8	7.7	6.1	5.6
Renewables				0.0	-0.2	-0.2
Electricity	0.2	0.3	0.5	0.4	0.7	1.0
Gross Inland Consumption	**26.2**	**25.3**	**27.6**	**25.8**	**23.6**	**22.7**
Solid Fuels	4.6	3.9	3.0	2.7	2.7	2.3
of which Hard Coal	1.2	1.1	1.2	1.4	1.3	1.1
Petroleum and Products	7.7	7.0	7.1	6.7	5.9	5.8
of which Crude and NGL	8.2	7.5	7.3	6.6	6.4	6.2
Gases	9.2	9.7	12.1	9.8	8.3	7.7
of which Natural Gas	9.2	9.7	12.1	9.8	8.3	7.7
Nuclear	3.6	3.7	3.6	4.1	4.1	4.0
Renewables	0.9	0.8	1.2	2.0	1.8	1.9
Electricity	0.2	0.3	0.5	0.4	0.7	1.0
Wastes, Non-Renewable	0.0	0.0	0.1	0.1	0.1	0.1
Primary Energy Consumption	**24.6**	**23.7**	**25.4**	**23.8**	**21.7**	**21.0**
Available for Final Consumption	**18.2**	**17.7**	**20.4**	**18.6**	**17.0**	**16.6**
Final Non-Energy Consumption	**1.6**	**1.6**	**2.2**	**2.0**	**1.9**	**1.8**
Final Energy Consumption	**16.2**	**16.1**	**18.2**	**16.6**	**14.8**	**15.0**
by Fuel/Product						
Solid Fuels	1.2	0.7	0.7	0.5	0.5	0.3
Petroleum and Products	4.2	4.2	4.9	4.6	4.1	4.1
Gases	6.4	6.5	7.9	6.3	5.1	5.4
Biomass and Renewable Wastes	0.7	0.7	0.6	1.1	1.1	1.1
Solar			0.0	0.0	0.0	0.0
Geothermal	0.1	0.1	0.1	0.1	0.1	0.1
Electricity	2.4	2.5	2.8	2.9	2.8	3.0
Derived heat	1.3	1.4	1.3	1.1	1.0	1.0
Wastes, Non-Renewable			0.0	0.0	0.0	0.0
by Sector						
Industry	3.8	3.5	3.4	2.9	2.6	3.5
Transport	2.7	3.3	4.3	4.3	4.0	3.7
Households	6.3	5.6	6.5	5.7	5.1	4.8
Services	2.6	3.0	3.5	3.1	2.8	2.4
Agriculture and Fishing	0.7	0.7	0.6	0.5	0.4	0.5
Other	0.1	0.0				0.0

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

	1995	2000	2005	2010	2012	2013
Installed Capacity (GW)	**7.4**	**8.3**	**8.6**	**9.0**	**9.4**	**8.4**
Combustible Fuels	5.5	6.4	6.7	6.6	7.0	6.0
Nuclear	1.8	1.9	1.9	2.0	2.0	2.0
Hydro	0.0	0.0	0.0	0.1	0.1	0.1
Wind			0.0	0.3	0.3	0.3
Solar PV				0.0	0.0	0.0
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0
Tide, Wave and Ocean						
Other Sources						0.0
Gross Electricity Generation (TWh)	**34.0**	**35.2**	**35.8**	**37.4**	**34.6**	**30.3**
Solid Fuels	9.1	9.6	7.0	6.2	6.3	6.3
Petroleum and Products	5.3	4.4	0.5	0.5	0.2	0.1
Gases	5.4	6.7	12.5	11.7	9.5	5.6
Nuclear	14.0	14.2	13.8	15.8	15.8	15.4
Renewables	0.2	0.2	1.9	3.0	2.6	2.8
Wastes, non-RES	0.0	0.1	0.1	0.2	0.1	0.1
Cogeneration Heat and Power						
CHP Electrical Capacity (GW)			2.0	1.9	1.6	1.7
CHP Electricity Generation (TWh)			6.8	7.3	4.6	3.9
CHP in Total Electricity Generation (%)			19.1%	19.6%	13.4%	12.8%
CHP Heat Production (PJ)			47.4	42.2	26.0	27.0
Transport Fuels (ktoe)						
Final Consumption Petroleum Products	2609	3220	4208	4070	3718	3415
Motor Gasoline	1530	1433	1589	1381	1283	1193
Gas/Diesel Oil	897	1553	2323	2430	2244	2026
Final Consumption Biofuels			3	175	155	143
Biogasoline			3	57	52	37
Biodiesel				118	103	106
Main Energy Indicators						
Energy Intensity (toe/M€'10)	379	316	280	264	240	228
Energy per Capita (kgoe/cap)	2535	2478	2737	2581	2374	2299
Final Electricity per Capita (KWh/cap)	2686	2883	3206	3421	3308	3523
Primary Energy Intensity (toe/M€'10)	355	296	258	244	221	211
Import Dependency (%)	**47.9%**	**55.2%**	**63.1%**	**58.1%**	**52.3%**	**52.3%**
on Solid Fuels	29.5%	28.2%	42.8%	41.9%	36.8%	29.5%
on Hard Coal	103.5%	99.0%	105.1%	99.5%	97.5%	98.8%
on Petroleum Fuels	71.0%	76.0%	81.2%	84.2%	80.8%	83.9%
on Crude and NGL	71.9%	78.6%	81.2%	85.2%	84.7%	85.5%
on Natural Gas	60.3%	75.4%	81.1%	78.7%	72.9%	72.1%
RES of the Gross Final Energy (%)						
Overall RES with Aviation Cap				8.6%	9.5%	9.8%
RES-H&C – Heating and Cooling				11.0%	13.4%	13.5%
RES-E – Electricity Generation				7.1%	6.1%	6.6%
RES-T – Transport				4.7%	4.6%	5.3%
Gases emissions (Mio ton CO_2)						
CO_2 Emissions	62	59	61	52	47	
GHGs Emissions	79	77	79	68	62	
Main Emissions Indicators						
CO_2 per Capita (kg CO_2/cap)	5989	5753	6020	5235	4694	
Carbon Intensity (kg CO_2/toe)	2362	2322	2199	2028	1977	
CO_2 GDP Intensity (ton CO_2/M€'10)	895	733	616	535	475	

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

5.18 Malta

Mtoe, unless otherwise stated	1995	2000	2005	2010	2012	2013
Production						
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	0.0	0.0	0.0	0.0
Wastes, Non-Renewable						
Net Imports	**0.8**	**1.5**	**1.6**	**2.4**	**2.2**	**2.1**
Solid Fuels						
of which Hard Coal						
Petroleum and Products	0.8	1.5	1.6	2.4	2.2	2.1
of which Crude and NGL						
Gases						
of which Natural Gas						
Renewables				0.0	0.0	0.0
Electricity						
Gross Inland Consumption	**0.8**	**0.8**	**1.0**	**0.9**	**1.0**	**0.8**
Solid Fuels						
of which Hard Coal						
Petroleum and Products	0.8	0.8	1.0	0.9	1.0	0.8
of which Crude and NGL						
Gases						
of which Natural Gas						
Nuclear						
Renewables	0.0	0.0	0.0	0.0	0.0	0.0
Electricity						
Wastes, Non-Renewable						
Primary Energy Consumption	**0.8**	**0.8**	**1.0**	**0.9**	**1.0**	**0.8**
Available for Final Consumption	**0.4**	**0.4**	**0.4**	**0.5**	**0.5**	**0.5**
Final Non-Energy Consumption	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Final Energy Consumption	**0.5**	**0.4**	**0.4**	**0.5**	**0.5**	**0.5**
by Fuel/Product						
Solid Fuels						
Petroleum and Products	0.3	0.3	0.2	0.3	0.3	0.3
Gases						
Biomass and Renewable Wastes	0.0	0.0	0.0	0.0	0.0	0.0
Solar			0.0	0.0	0.0	0.0
Geothermal						
Electricity	0.1	0.1	0.2	0.2	0.2	0.2
Derived heat					0.0	0.0
Wastes, Non-Renewable						
by Sector						
Industry	0.0	0.0	0.0	0.0	0.0	0.0
Transport	0.3	0.3	0.2	0.3	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 and Fishing				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**

	1995	2000	2005	2010	2012	2013
Installed Capacity (GW)	**0.0**	**0.0**	**0.0**	**0.6**	**0.6**	**0.6**
Combustible Fuels				0.6	0.6	0.6
Nuclear						
Hydro						
Wind						
Solar PV				0.0	0.0	0.0
Geothermal						
Tide, Wave and Ocean						
Other Sources						
Gross Electricity Generation (TWh)	**1.6**	**1.9**	**2.2**	**2.1**	**2.3**	**2.3**
Solid Fuels	0.1					
Petroleum and Products	1.5	1.9	2.2	2.1	2.3	2.2
Gases						
Nuclear						
Renewables				0.0	0.0	0.0
Wastes, non-RES						
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	308	277	199	278	271	277
Motor Gasoline	129	76	73	74	73	74
Gas/Diesel Oil	106	78	38	103	98	98
Final Consumption Biofuels				1	3	3
Biogasoline						
Biodiesel				1	3	3
Main Energy Indicators						
Energy Intensity (toe/M€'10)	175	149	163	140	141	118
Energy per Capita (kgoe/cap)	1998	2054	2407	2229	2319	1986
Final Electricity per Capita (KWh/cap)	3333	4018	4601	4343	4578	4475
Primary Energy Intensity (toe/M€'10)	175	149	159	139	139	117
Import Dependency (%)	**104.8%**	**100.3%**	**100.0%**	**99.0%**	**101.0%**	**104.1%**
on Solid Fuels						
on Hard Coal						
on Petroleum Fuels	104.8%	100.3%	100.1%	99.2%	101.4%	104.5%
on Crude and NGL						
on Natural Gas						
RES of the Gross Final Energy (%)						
Overall RES with Aviation Cap				1.0%	2.7%	3.8%
RES-H&C – Heating and Cooling				8.4%	16.7%	23.7%
RES-E – Electricity Generation				0.1%	1.0%	1.6%
RES-T – Transport				0.5%	3.1%	3.3%
Gases emissions (Mio ton CO_2)						
CO_2 Emissions	3	4	7	6	7	
GHGs Emissions	3	4	7	7	7	
Main Emissions Indicators						
CO_2 per Capita (kg CO_2/cap)	8039	10065	16702	15158	16238	
Carbon Intensity (kg CO_2/toe)	4023	4900	6938	6799	7003	
CO_2 GDP Intensity (ton CO_2/M€'10)	703	728	1129	952	985	

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

5.19 Netherlands

Mtoe, unless otherwise stated	1995	2000	2005	2010	2012	2013
Production	**66.7**	**57.6**	**62.2**	**74.5**	**69.4**	**74.1**
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	6.3	6.2	6.5
of which Crude and NGL	3.6	2.4	2.3	1.4	1.5	1.6
Gases	60.9	52.2	56.3	63.5	57.7	61.9
of which Natural Gas	60.9	52.2	56.3	63.5	57.7	61.9
Nuclear	1.0	1.0	1.0	1.0	1.0	0.7
Renewables	0.9	1.3	1.9	2.9	3.8	4.3
Wastes, Non-Renewable	0.3	0.6	0.7	0.7	0.7	0.7
Net Imports	**14.9**	**33.8**	**37.1**	**30.5**	**29.2**	**24.3**
Solid Fuels	8.8	8.0	8.3	9.2	6.9	9.1
of which Hard Coal	9.0	8.0	8.2	9.1	6.7	9.1
Petroleum and Products	31.5	41.4	47.8	45.2	45.7	43.3
of which Crude and NGL	59.5	61.0	61.7	60.9	57.9	55.6
Gases	-26.4	-17.2	-20.9	-24.2	-24.6	-28.9
of which Natural Gas	-26.4	-17.2	-20.9	-24.2	-24.6	-28.9
Renewables	0.0	-0.1	0.3	0.1	-0.3	-0.9
Electricity	1.0	1.6	1.6	0.2	1.5	1.6
Gross Inland Consumption	**72.7**	**75.6**	**81.5**	**86.6**	**81.8**	**81.2**
Solid Fuels	9.0	7.9	8.2	7.6	8.2	8.1
of which Hard Coal	9.2	7.8	8.2	7.4	7.9	8.0
Petroleum and Products	26.0	28.2	32.5	34.6	33.9	33.3
of which Crude and NGL	63.5	62.5	63.8	62.3	59.6	57.3
Gases	34.5	35.0	35.3	39.3	33.0	33.2
of which Natural Gas	34.5	35.0	35.3	39.3	33.0	33.2
Nuclear	1.0	1.0	1.0	1.0	1.0	0.7
Renewables	0.9	1.2	2.2	3.1	3.5	3.4
Electricity	1.0	1.6	1.6	0.2	1.5	1.6
Wastes, Non-Renewable	0.3	0.6	0.7	0.7	0.7	0.8
Primary Energy Consumption	**63.4**	**65.1**	**68.5**	**71.1**	**67.1**	**65.9**
Available for Final Consumption	**57.3**	**61.0**	**64.8**	**70.4**	**66.4**	**66.4**
Final Non-Energy Consumption	**9.2**	**10.5**	**13.0**	**15.5**	**14.7**	**15.2**
Final Energy Consumption	**48.0**	**50.5**	**51.7**	**53.9**	**51.1**	**51.2**
by Fuel/Product						
Solid Fuels	1.5	1.3	1.5	1.3	1.5	1.5
Petroleum and Products	14.1	16.5	17.4	18.2	17.9	17.6
Gases	23.0	21.0	20.3	22.4	19.7	20.2
Biomass and Renewable Wastes	0.4	0.3	0.4	0.7	0.9	0.9
Solar	0.0	0.0	0.0	0.0	0.0	0.0
Geothermal				0.0	0.0	0.0
Electricity	7.1	8.4	9.0	9.2	9.2	9.1
Derived heat	1.9	2.9	3.0	2.1	1.9	1.9
Wastes, Non-Renewable						
by Sector						
Industry	14.0	14.8	14.8	14.3	13.9	13.6
Transport	12.4	14.3	15.2	15.0	14.8	14.6
Households	10.9	10.3	10.1	11.5	10.3	10.8
Services	7.0	7.2	8.0	9.8	8.8	8.8
Agriculture and Fishing	3.7	3.9	3.5	3.3	3.4	3.5
Other						

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

	1995	2000	2005	2010	2012	2013
Installed Capacity (GW)	**19.0**	**21.1**	**21.8**	**26.7**	**29.9**	**30.5**
Combustible Fuels	18.2	20.1	20.0	23.7	26.5	26.5
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
Wind	0.3	0.4	1.2	2.2	2.4	2.7
Solar PV	0.0	0.0	0.1	0.1	0.4	0.7
Geothermal						
Tide, Wave and Ocean						
Other Sources	0.0	0.0	0.1	0.1	0.1	0.0
Gross Electricity Generation (TWh)	**80.9**	**89.6**	**100.2**	**118.1**	**102.5**	**100.9**
Solid Fuels	27.4	24.3	23.5	22.6	24.2	24.6
Petroleum and Products	2.8	2.6	2.3	1.3	1.1	1.2
Gases	44.4	54.4	61.3	77.4	58.8	58.1
Nuclear	4.0	3.9	4.0	4.0	3.9	2.9
Renewables	1.4	3.0	7.4	11.2	12.5	12.2
Wastes, non-RES	0.6	1.2	1.4	1.6	1.8	1.7
Cogeneration Heat and Power						
CHP Electrical Capacity (GW)			7.2	9.3	9.2	9.4
CHP Electricity Generation (TWh)			29.5	39.2	34.5	34.8
CHP in Total Electricity Generation (%)			29.4%	33.2%	33.7%	34.5%
CHP Heat Production (PJ)			220.3	233.6	224.6	217.9
Transport Fuels (ktoe)						
Final Consumption Petroleum Products	12282	14157	15059	14596	14294	14076
Motor Gasoline	4228	4236	4306	4167	4151	3956
Gas/Diesel Oil	4604	5921	6651	6638	6379	6304
Final Consumption Biofuels				230	335	320
Biogasoline				135	124	125
Biodiesel				95	210	194
Main Energy Indicators						
Energy Intensity (toe/M€'10)	161	137	139	137	129	129
Energy per Capita (kgoe/cap)	4700	4746	4993	5214	4882	4832
Final Electricity per Capita (KWh/cap)	5349	6142	6405	6433	6356	6320
Primary Energy Intensity (toe/M€'10)	140	118	117	113	106	105
Import Dependency (%)	**17.7%**	**38.0%**	**37.7%**	**30.4%**	**30.7%**	**26.0%**
on Solid Fuels	97.8%	101.9%	101.4%	121.5%	83.6%	111.6%
on Hard Coal	97.4%	101.5%	100.3%	122.3%	83.9%	113.3%
on Petroleum Fuels	84.6%	99.8%	97.1%	93.3%	96.7%	94.7%
on Crude and NGL	93.8%	97.7%	96.7%	97.6%	97.2%	97.0%
on Natural Gas	-76.4%	-49.1%	-59.3%	-61.6%	-74.5%	-86.8%
RES of the Gross Final Energy (%)						
Overall RES with Aviation Cap				3.7%	4.5%	4.5%
RES-H&C – Heating and Cooling				2.7%	3.4%	3.6%
RES-E – Electricity Generation				9.7%	10.5%	10.1%
RES-T – Transport				3.1%	5.0%	5.0%
Gases emissions (Mio ton CO_2)						
CO_2 Emissions	214	222	241	235	219	
GHGs Emissions	266	266	275	263	245	
Main Emissions Indicators						
CO_2 per Capita (kg CO_2/cap)	13824	13965	14764	14129	13061	
Carbon Intensity (kg CO_2/toe)	2941	2942	2957	2710	2676	
CO_2 GDP Intensity (ton CO_2/M€'10)	473	403	412	372	346	

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

5.20 Austria

Mtoe, unless otherwise stated	1995	2000	2005	2010	2012	2013
Production	**8.8**	**9.8**	**10.0**	**12.1**	**12.9**	**12.1**
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	1.0	0.9	0.9
of which Crude and NGL	1.1	1.1	1.0	1.0	0.9	0.9
Gases	1.3	1.5	1.4	1.5	1.6	1.1
of which Natural Gas	1.3	1.5	1.4	1.5	1.6	1.1
Nuclear						
Renewables	5.8	6.6	7.2	8.9	9.7	9.5
Wastes, Non-Renewable	0.2	0.3	0.4	0.7	0.7	0.6
Net Imports	**18.0**	**19.0**	**24.5**	**21.6**	**21.5**	**21.0**
Solid Fuels	2.6	3.0	4.0	3.4	3.3	3.1
of which Hard Coal	2.0	2.3	3.0	2.5	2.5	2.2
Petroleum and Products	10.1	10.9	13.2	11.5	11.1	11.3
of which Crude and NGL	7.6	7.2	7.9	6.7	7.5	7.9
Gases	5.4	5.3	7.2	6.1	6.4	5.3
of which Natural Gas	5.4	5.3	7.2	6.1	6.4	5.3
Renewables	0.0	0.0	0.0	0.4	0.5	0.7
Electricity	-0.2	-0.1	0.2	0.2	0.2	0.6
Gross Inland Consumption	**27.1**	**29.0**	**34.4**	**34.6**	**33.7**	**33.8**
Solid Fuels	3.5	3.6	4.0	3.4	3.2	3.3
of which Hard Coal	2.3	2.6	2.8	2.5	2.4	2.4
Petroleum and Products	11.3	12.2	14.4	12.8	12.0	12.2
of which Crude and NGL	8.6	8.3	8.9	7.8	8.5	8.7
Gases	6.4	6.5	8.2	8.2	7.4	7.0
of which Natural Gas	6.4	6.5	8.2	8.2	7.4	7.0
Nuclear						
Renewables	5.9	6.6	7.1	9.3	10.1	10.0
Electricity	-0.2	-0.1	0.2	0.2	0.2	0.6
Wastes, Non-Renewable	0.2	0.3	0.4	0.7	0.7	0.6
Primary Energy Consumption	**25.7**	**27.3**	**32.6**	**32.7**	**31.9**	**31.9**
Available for Final Consumption	**22.7**	**25.4**	**29.9**	**30.3**	**29.4**	**29.9**
Final Non-Energy Consumption	**1.4**	**1.7**	**1.7**	**1.8**	**1.9**	**1.9**
Final Energy Consumption	**21.4**	**23.7**	**28.2**	**28.4**	**27.5**	**28.0**
by Fuel/Product						
Solid Fuels	1.6	1.4	1.5	1.2	1.1	1.2
Petroleum and Products	8.9	9.8	12.1	10.5	9.8	10.1
Gases	3.8	4.5	5.1	5.3	5.1	5.0
Biomass and Renewable Wastes	2.1	2.3	2.8	3.8	3.8	3.9
Solar	0.0	0.1	0.1	0.2	0.2	0.2
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	4.0	4.4	5.0	5.4	5.4	5.4
Derived heat	0.8	1.0	1.4	1.8	1.8	1.9
Wastes, Non-Renewable	0.1	0.1	0.3	0.3	0.3	0.2
by Sector						
Industry	6.4	7.3	8.8	9.2	9.2	9.3
Transport	5.8	7.0	9.1	8.7	8.5	8.9
Households	6.3	6.3	6.8	6.8	6.5	6.6
Services	2.3	2.5	2.9	3.1	2.7	2.6
Agriculture and Fishing	0.5	0.5	0.5	0.6	0.6	0.6
Other						

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

	1995	2000	2005	2010	2012	2013
Installed Capacity (GW)	**17.4**	**17.8**	**18.9**	**21.2**	**22.9**	**23.6**
Combustible Fuels	6.1	6.1	6.5	7.3	8.2	8.2
Nuclear						
Hydro	11.3	11.6	11.6	12.7	13.1	13.1
Wind		0.1	0.8	1.0	1.3	1.6
Solar PV	0.0	0.0	0.0	0.2	0.4	0.6
Geothermal			0.0	0.0	0.0	0.0
Tide, Wave and Ocean						
Other Sources						
Gross Electricity Generation (TWh)	**56.2**	**61.3**	**66.4**	**71.1**	**72.6**	**68.3**
Solid Fuels	4.3	5.7	7.2	4.9	4.4	4.2
Petroleum and Products	2.1	1.7	1.6	1.3	0.7	0.7
Gases	9.8	8.9	14.3	16.1	11.5	8.6
Nuclear						
Renewables	40.0	44.8	43.0	48.2	55.1	54.1
Wastes, non-RES	0.1	0.1	0.3	0.6	0.8	0.7
Cogeneration Heat and Power						
CHP Electrical Capacity (GW)			2.2	4.0	4.4	5.6
CHP Electricity Generation (TWh)			7.7	11.8	10.4	9.9
CHP in Total Electricity Generation (%)			11.6%	16.6%	14.4%	14.4%
CHP Heat Production (PJ)			100.1	114.0	111.8	110.8
Transport Fuels (ktoe)						
Final Consumption Petroleum Products	5460	6531	8561	7792	7564	7852
Motor Gasoline	2429	2016	2109	1700	1608	1561
Gas/Diesel Oil	2553	3907	5744	5359	5211	5580
Final Consumption Biofuels	10	16	50	495	490	490
Biogasoline				79	77	67
Biodiesel	10	16	50	417	413	423
Main Energy Indicators						
Energy Intensity (toe/M€'10)	124	114	124	118	110	110
Energy per Capita (kgoe/cap)	3406	3617	4177	4137	4003	3983
Final Electricity per Capita (KWh/cap)	5877	6433	7088	7453	7471	7425
Primary Energy Intensity (toe/M€'10)	118	108	118	111	104	104
Import Dependency (%)	**66.4%**	**65.4%**	**71.3%**	**62.4%**	**63.7%**	**62.3%**
on Solid Fuels	75.7%	83.9%	99.3%	99.8%	103.4%	93.8%
on Hard Coal	88.3%	91.6%	106.9%	97.5%	104.0%	91.3%
on Petroleum Fuels	89.3%	89.1%	91.4%	89.7%	91.9%	92.9%
on Crude and NGL	87.6%	86.9%	88.5%	86.2%	88.7%	90.5%
on Natural Gas	84.8%	80.6%	87.7%	74.4%	86.2%	75.5%
RES of the Gross Final Energy (%)						
Overall RES with Aviation Cap				30.8%	32.1%	32.6%
RES-H&C – Heating and Cooling				30.5%	32.4%	33.5%
RES-E – Electricity Generation				65.7%	66.5%	68.1%
RES-T – Transport				8.7%	7.8%	7.5%
Gases emissions (Mio ton CO_2)						
CO_2 Emissions	65	68	81	74	70	
GHGs Emissions	81	82	95	87	82	
Main Emissions Indicators						
CO_2 per Capita (kg CO_2/cap)	8216	8456	9898	8906	8290	
Carbon Intensity (kg CO_2/toe)	2412	2338	2370	2153	2071	
CO_2 GDP Intensity (ton CO_2/M€'10)	299	267	295	253	228	

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

5.21 Poland

Mtoe, unless otherwise stated	1995	2000	2005	2010	2012	2013
Production	**99.4**	**79.6**	**78.6**	**67.4**	**71.8**	**71.5**
Solid Fuels	91.1	71.3	68.9	55.4	57.8	57.1
of which Hard Coal	78.2	59.2	56.1	43.8	45.1	44.0
Petroleum and Products	0.4	1.1	1.1	1.1	1.1	1.6
of which Crude and NGL	0.3	0.6	0.8	0.7	0.7	1.0
Gases	3.2	3.3	3.9	3.7	3.9	3.8
of which Natural Gas	3.2	3.3	3.9	3.7	3.9	3.8
Nuclear						
Renewables	3.9	3.8	4.5	6.9	8.5	8.5
Wastes, Non-Renewable	0.8	0.1	0.2	0.4	0.4	0.5
Net Imports	**-1.2**	**8.8**	**15.9**	**31.6**	**30.1**	**25.3**
Solid Fuels	-21.2	-16.4	-13.0	-2.8	-3.3	-5.5
of which Hard Coal	-18.9	-13.9	-9.7	1.8	1.3	-0.8
Petroleum and Products	14.5	19.1	21.5	25.2	23.4	21.0
of which Crude and NGL	11.9	17.4	17.5	22.3	24.0	22.8
Gases	5.8	6.6	8.5	8.9	10.0	10.2
of which Natural Gas	5.8	6.6	8.5	8.9	10.0	10.2
Renewables			-0.1	0.4	0.2	0.0
Electricity	-0.2	-0.5	-1.0	-0.1	-0.2	-0.4
Gross Inland Consumption	**98.8**	**88.6**	**92.2**	**100.7**	**97.8**	**98.2**
Solid Fuels	70.3	56.3	54.6	54.6	50.8	53.0
of which Hard Coal	59.7	46.4	45.6	47.9	42.6	44.4
Petroleum and Products	15.0	19.0	21.7	25.7	24.5	22.9
of which Crude and NGL	12.3	17.5	18.0	22.7	24.6	24.1
Gases	9.0	10.0	12.2	12.8	13.7	13.7
of which Natural Gas	9.0	10.0	12.2	12.8	13.7	13.7
Nuclear						
Renewables	3.9	3.8	4.5	7.3	8.6	8.6
Electricity	-0.2	-0.5	-1.0	-0.1	-0.2	-0.4
Wastes, Non-Renewable	0.8	0.1	0.2	0.4	0.4	0.5
Primary Energy Consumption	**95.1**	**84.3**	**87.7**	**95.8**	**92.9**	**93.2**
Available for Final Consumption	**67.3**	**58.6**	**63.0**	**71.1**	**67.8**	**68.7**
Final Non-Energy Consumption	**3.7**	**4.4**	**4.6**	**5.0**	**4.9**	**5.0**
Final Energy Consumption	**62.9**	**55.3**	**59.0**	**66.4**	**64.5**	**63.4**
by Fuel/Product						
Solid Fuels	22.6	13.2	12.3	13.8	13.1	12.6
Petroleum and Products	11.6	15.5	17.8	20.7	19.8	18.7
Gases	7.8	7.6	8.8	9.5	9.3	9.4
Biomass and Renewable Wastes	3.7	3.5	3.8	5.2	5.4	5.6
Solar			0.0	0.0	0.0	0.0
Geothermal		0.0	0.0	0.0	0.0	0.0
Electricity	7.7	8.5	9.1	10.2	10.5	10.7
Derived heat	8.8	6.9	7.1	6.5	5.9	5.9
Wastes, Non-Renewable	0.7	0.1	0.1	0.4	0.4	0.4
by Sector						
Industry	23.0	18.5	16.1	14.1	14.5	15.1
Transport	8.3	9.9	12.5	17.7	17.2	16.3
Households	22.7	17.2	19.5	22.0	20.8	20.4
Services	4.2	5.0	6.4	8.8	8.3	8.1
Agriculture and Fishing	4.8	4.6	4.4	3.7	3.7	3.6
Other	0.0	0.0	0.0	0.0	0.0	0.0

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

	1995	2000	2005	2010	2012	2013
Installed Capacity (GW)	**29.5**	**30.6**	**32.3**	**33.4**	**35.3**	**35.8**
Combustible Fuels	27.4	28.4	29.8	29.9	30.4	30.0
Nuclear						
Hydro	2.1	2.2	2.3	2.3	2.4	2.4
Wind		0.0	0.1	1.1	2.6	3.4
Solar PV					0.0	0.0
Geothermal						
Tide, Wave and Ocean						
Other Sources				0.0	0.0	0.0
Gross Electricity Generation (TWh)	**139.0**	**145.2**	**156.9**	**157.7**	**162.1**	**164.6**
Solid Fuels	131.8	135.9	142.2	136.5	134.6	137.7
Petroleum and Products	1.5	1.9	2.8	2.9	2.0	1.8
Gases	1.5	3.0	6.6	6.7	8.1	7.3
Nuclear						
Renewables	3.9	4.3	5.4	11.5	17.3	17.6
Wastes, non-RES	0.3	0.1	0.0	0.0	0.0	0.0
Cogeneration Heat and Power						
CHP Electrical Capacity (GW)			8.3	8.7	8.3	8.3
CHP Electricity Generation (TWh)			26.3	27.7	27.0	26.1
CHP in Total Electricity Generation (%)			16.8%	17.6%	16.7%	15.9%
CHP Heat Production (PJ)			275.4	277.1	260.6	257.4
Transport Fuels (ktoe)						
Final Consumption Petroleum Products	7891	9459	11911	16317	15878	14883
Motor Gasoline	4610	5319	4230	4243	3841	3660
Gas/Diesel Oil	2796	3396	5657	9737	9715	8930
Final Consumption Biofuels			49	867	807	748
Biogasoline			34	170	138	144
Biodiesel			15	698	669	603
Main Energy Indicators						
Energy Intensity (toe/M€'10)	521	361	323	280	255	252
Energy per Capita (kgoe/cap)	2582	2317	2417	2615	2537	2549
Final Electricity per Capita (KWh/cap)	2343	2579	2762	3091	3184	3222
Primary Energy Intensity (toe/M€'10)	501	344	307	266	242	239
Import Dependency (%)	**-1.2%**	**9.9%**	**17.2%**	**31.3%**	**30.7%**	**25.8%**
on Solid Fuels	-30.2%	-29.1%	-23.9%	-5.2%	-6.5%	-10.4%
on Hard Coal	-31.7%	-29.9%	-21.3%	3.7%	3.0%	-1.8%
on Petroleum Fuels	95.9%	98.7%	97.5%	97.0%	95.0%	91.3%
on Crude and NGL	97.1%	99.1%	97.3%	98.4%	97.4%	94.8%
on Natural Gas	64.6%	66.3%	69.7%	69.3%	73.4%	74.2%
RES of the Gross Final Energy (%)						
Overall RES with Aviation Cap				9.2%	10.9%	11.3%
RES-H&C – Heating and Cooling				11.7%	13.3%	13.9%
RES-E – Electricity Generation				6.6%	10.7%	10.7%
RES-T – Transport				6.3%	6.1%	6.0%
Gases emissions (Mio ton CO_2)						
CO_2 Emissions	362	320	320	332	323	
GHGs Emissions	442	398	401	410	401	
Main Emissions Indicators						
CO_2 per Capita (kg CO_2/cap)	9463	8377	8395	8614	8382	
Carbon Intensity (kg CO_2/toe)	3665	3615	3473	3294	3304	
CO_2 GDP Intensity (ton CO_2/M€'10)	1908	1306	1121	922	842	

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

5.22 Portugal

Mtoe, unless otherwise stated	1995	2000	2005	2010	2012	2013
Production	**3.4**	**3.9**	**3.6**	**5.8**	**4.8**	**5.8**
Solid Fuels						
of which Hard Coal						
Petroleum and Products						
of which Crude and NGL						
Gases	0.1	0.0				
of which Natural Gas						
Nuclear						
Renewables	3.3	3.8	3.5	5.6	4.6	5.6
Wastes, Non-Renewable		0.1	0.1	0.2	0.2	0.1
Net Imports	**18.0**	**22.1**	**24.8**	**18.6**	**18.2**	**17.1**
Solid Fuels	3.8	3.9	3.2	1.6	3.0	2.5
of which Hard Coal	3.8	4.0	3.2	1.6	3.0	2.5
Petroleum and Products	14.1	16.0	17.1	12.4	10.7	10.8
of which Crude and NGL	13.0	11.6	13.5	11.4	11.3	12.5
Gases		2.0	3.9	4.5	3.9	3.8
of which Natural Gas		2.0	3.9	4.5	3.9	3.8
Renewables				-0.2	-0.2	-0.3
Electricity	0.1	0.1	0.6	0.2	0.7	0.2
Gross Inland Consumption	**20.6**	**25.3**	**27.5**	**24.3**	**22.5**	**22.6**
Solid Fuels	3.6	3.8	3.3	1.7	2.9	2.7
of which Hard Coal	3.6	3.8	3.3	1.7	2.9	2.6
Petroleum and Products	13.6	15.5	16.2	12.3	10.2	10.5
of which Crude and NGL	13.0	11.8	13.4	11.5	11.3	12.2
Gases	0.1	2.1	3.8	4.5	3.9	3.8
of which Natural Gas	0.0	2.0	3.8	4.5	3.9	3.8
Nuclear						
Renewables	3.3	3.8	3.5	5.5	4.5	5.3
Electricity	0.1	0.1	0.6	0.2	0.7	0.2
Wastes, Non-Renewable		0.1	0.1	0.2	0.2	0.2
Primary Energy Consumption	**18.6**	**22.9**	**24.9**	**22.6**	**21.1**	**21.3**
Available for Final Consumption	**15.9**	**20.2**	**21.7**	**19.8**	**17.6**	**17.2**
Final Non-Energy Consumption	**2.1**	**2.4**	**2.6**	**1.7**	**1.3**	**1.4**
Final Energy Consumption	**13.9**	**17.9**	**19.0**	**18.1**	**16.2**	**15.8**
by Fuel/Product						
Solid Fuels	0.5	0.5	0.0	0.1	0.0	0.0
Petroleum and Products	8.3	10.7	10.8	9.3	7.9	7.7
Gases	0.1	0.9	1.3	1.6	1.6	1.6
Biomass and Renewable Wastes	2.4	2.4	2.5	2.5	2.2	2.1
Solar	0.0	0.0	0.0	0.0	0.1	0.1
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	2.5	3.3	4.0	4.3	4.0	3.9
Derived heat	0.0	0.1	0.3	0.3	0.3	0.4
Wastes, Non-Renewable			0.0	0.1	0.1	0.1
by Sector						
Industry	4.9	6.3	5.8	5.5	4.8	4.6
Transport	4.9	6.6	7.2	7.3	6.5	6.4
Households	2.6	2.8	3.2	3.0	2.7	2.6
Services	0.9	1.4	2.2	1.9	1.8	1.8
Agriculture and Fishing	0.5	0.7	0.6	0.5	0.4	0.4
Other	0.0	0.0	0.0	0.0	0.0	0.0

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

	1995	2000	2005	2010	2012	2013
Installed Capacity (GW)	**9.4**	**10.9**	**13.4**	**18.9**	**19.8**	**18.9**
Combustible Fuels	4.9	6.3	7.3	9.9	9.4	8.3
Nuclear						
Hydro	4.5	4.5	5.0	5.1	5.7	5.7
Wind	0.0	0.1	1.1	3.8	4.4	4.6
Solar PV		0.0	0.0	0.1	0.2	0.3
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0
Tide, Wave and Ocean						
Other Sources						
Gross Electricity Generation (TWh)	**33.3**	**43.8**	**46.6**	**54.1**	**46.6**	**51.7**
Solid Fuels	13.4	14.6	15.2	7.1	13.1	11.8
Petroleum and Products	10.3	8.4	8.8	3.0	2.2	1.7
Gases	0.1	7.2	13.6	14.9	10.7	7.2
Nuclear						
Renewables	9.5	13.3	8.6	28.8	20.4	30.6
Wastes, non-RES		0.3	0.3	0.3	0.3	0.3
Cogeneration Heat and Power						
CHP Electrical Capacity (GW)			1.1	1.3	1.5	1.4
CHP Electricity Generation (TWh)			5.4	6.4	6.5	7.2
CHP in Total Electricity Generation (%)			11.6%	11.8%	13.9%	13.8%
CHP Heat Production (PJ)			59.6	67.2	66.9	68.4
Transport Fuels (ktoe)						
Final Consumption Petroleum Products	4913	6604	7137	6940	6130	6076
Motor Gasoline	2022	2272	1935	1450	1180	1148
Gas/Diesel Oil	2273	3523	4286	4366	3790	3751
Final Consumption Biofuels				309	275	264
Biogasoline					3	5
Biodiesel				305	268	255
Main Energy Indicators						
Energy Intensity (toe/M€'10)	151	151	157	135	133	136
Energy per Capita (kgoe/cap)	2058	2457	2616	2297	2137	2162
Final Electricity per Capita (KWh/cap)	2873	3729	4410	4718	4398	4328
Primary Energy Intensity (toe/M€'10)	136	137	143	125	125	127
Import Dependency (%)	**85.3%**	**85.1%**	**88.6%**	**75.1%**	**78.9%**	**73.5%**
on Solid Fuels	105.8%	102.9%	96.3%	98.3%	103.3%	95.4%
on Hard Coal	105.9%	103.4%	96.3%	98.2%	103.3%	95.5%
on Petroleum Fuels	100.6%	99.4%	102.3%	97.5%	99.2%	97.2%
on Crude and NGL	100.0%	99.0%	100.2%	98.8%	100.0%	102.5%
on Natural Gas		100.2%	103.8%	100.4%	99.7%	101.5%
RES of the Gross Final Energy (%)						
Overall RES with Aviation Cap				24.2%	25.0%	25.7%
RES-H&C – Heating and Cooling				33.9%	34.0%	34.5%
RES-E – Electricity Generation				40.7%	47.6%	49.2%
RES-T – Transport				5.3%	0.4%	0.7%
Gases emissions (Mio ton CO_2)						
CO_2 Emissions	57	69	73	57	55	
GHGs Emissions	74	88	92	75	74	
Main Emissions Indicators						
CO_2 per Capita (kg CO_2/cap)	5691	6742	6952	5364	5242	
Carbon Intensity (kg CO_2/toe)	2765	2744	2658	2336	2453	
CO_2 GDP Intensity (ton CO_2/M€'10)	417	415	418	315	325	

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

5.23 Romania

Mtoe, unless otherwise stated	1995	2000	2005	2010	2012	2013
Production	**32.3**	**28.5**	**28.2**	**27.8**	**27.4**	**26.2**
Solid Fuels	7.9	5.6	5.8	5.9	6.3	4.7
of which Hard Coal	0.7	0.2	0.0	0.0	0.0	0.0
Petroleum and Products	6.8	6.4	6.2	4.6	4.2	4.3
of which Crude and NGL	6.7	6.3	5.6	4.5	4.1	4.3
Gases	14.4	11.0	9.7	8.6	8.7	8.6
of which Natural Gas	14.4	11.0	9.7	8.6	8.7	8.6
Nuclear		1.4	1.4	3.0	3.0	3.0
Renewables	2.8	4.0	5.0	5.7	5.2	5.6
Wastes, Non-Renewable	0.4	0.1	0.1	0.0	0.0	0.0
Net Imports	**14.0**	**8.0**	**10.8**	**7.8**	**8.0**	**6.0**
Solid Fuels	2.9	1.9	2.9	1.2	1.3	1.1
of which Hard Coal	3.0	1.7	2.4	0.5	0.8	0.6
Petroleum and Products	6.4	3.4	4.0	4.8	4.5	4.0
of which Crude and NGL	8.3	4.8	8.9	6.0	5.2	5.4
Gases	4.8	2.7	4.2	1.8	2.3	1.2
of which Natural Gas	4.8	2.7	4.2	1.8	2.3	1.2
Renewables				0.1	-0.1	0.0
Electricity	0.0	-0.1	-0.2	-0.2	0.0	-0.2
Gross Inland Consumption	**46.3**	**36.6**	**39.2**	**35.8**	**35.4**	**32.3**
Solid Fuels	10.8	7.5	8.8	7.0	7.6	5.8
of which Hard Coal	3.7	1.7	2.4	0.5	0.8	0.6
Petroleum and Products	13.1	10.0	10.3	9.3	8.8	8.4
of which Crude and NGL	15.1	11.0	14.4	10.7	9.2	9.6
Gases	19.2	13.7	13.9	10.8	10.8	9.8
of which Natural Gas	19.2	13.7	13.9	10.8	10.8	9.8
Nuclear		1.4	1.4	3.0	3.0	3.0
Renewables	2.8	4.0	4.9	5.9	5.2	5.6
Electricity	0.0	-0.1	-0.3	-0.2	0.0	-0.2
Wastes, Non-Renewable	0.4	0.1	0.1	0.0	0.0	0.0
Primary Energy Consumption	**45.1**	**34.8**	**36.7**	**34.3**	**33.6**	**30.9**
Available for Final Consumption	**30.4**	**25.0**	**26.9**	**24.8**	**24.2**	**22.8**
Final Non-Energy Consumption	**1.2**	**1.9**	**2.5**	**1.5**	**1.7**	**1.5**
Final Energy Consumption	**27.0**	**22.8**	**24.7**	**22.6**	**22.8**	**21.8**
by Fuel/Product						
Solid Fuels	1.6	1.0	1.6	0.9	0.8	0.7
Petroleum and Products	5.7	5.5	6.6	6.2	6.8	6.5
Gases	10.3	6.9	7.8	6.2	6.2	5.9
Biomass and Renewable Wastes	1.3	2.7	3.2	4.0	3.8	3.7
Solar				0.0	0.0	0.0
Geothermal		0.0	0.0	0.0	0.0	0.0
Electricity	3.1	2.9	3.3	3.6	3.6	3.5
Derived heat	4.7	3.6	2.1	1.7	1.5	1.4
Wastes, Non-Renewable	0.2	0.1	0.1	0.0	0.0	0.0
by Sector						
Industry	15.1	9.3	10.0	6.9	6.8	6.3
Transport	3.1	3.5	4.3	5.1	5.4	5.3
Households	6.3	8.4	8.0	8.1	8.1	7.7
Services	0.5	0.7	1.7	1.9	1.8	1.8
Agriculture and Fishing	1.0	0.4	0.2	0.4	0.5	0.5
Other	0.9	0.5	0.6	0.2	0.2	0.2

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

	1995	2000	2005	2010	2012	2013
Installed Capacity (GW)	**6.0**	**6.1**	**19.0**	**19.9**	**21.8**	**22.9**
Combustible Fuels			12.0	11.6	11.9	11.4
Nuclear			0.7	1.4	1.4	1.4
Hydro	6.0	6.1	6.3	6.5	6.5	6.6
Wind			0.0	0.4	1.8	2.8
Solar PV					0.0	0.8
Geothermal						
Tide, Wave and Ocean						
Other Sources						
Gross Electricity Generation (TWh)	**59.3**	**51.9**	**59.4**	**61.0**	**59.0**	**58.9**
Solid Fuels	20.6	18.9	21.9	20.7	22.9	16.9
Petroleum and Products	5.8	3.4	1.9	0.7	0.8	0.6
Gases	16.0	9.0	9.8	7.3	8.7	9.3
Nuclear		5.5	5.6	11.6	11.5	11.6
Renewables	16.7	14.8	20.2	20.7	15.2	20.5
Wastes, non-RES	0.0		0.0			
Cogeneration Heat and Power						
CHP Electrical Capacity (GW)			5.2	4.6	2.2	2.1
CHP Electricity Generation (TWh)			15.5	6.5	6.7	6.6
CHP in Total Electricity Generation (%)			26.2 %	10.7 %	11.4 %	11.2 %
CHP Heat Production (PJ)			95.4	69.0	66.1	57.9
Transport Fuels (ktoe)						
Final Consumption Petroleum Products	2912	3273	4103	4882	5145	5000
Motor Gasoline	1082	1321	1600	1412	1331	1268
Gas/Diesel Oil	1583	1756	2298	3172	3583	3468
Final Consumption Biofuels				115	188	178
Biogasoline				47	59	56
Biodiesel				69	128	122
Main Energy Indicators						
Energy Intensity (toe/M€'10)	551	442	357	282	274	243
Energy per Capita (kgoe/cap)	2042	1634	1839	1768	1763	1618
Final Electricity per Capita (KWh/cap)	1603	1513	1823	2041	2113	2033
Primary Energy Intensity (toe/M€'10)	536	419	335	271	261	232
Import Dependency (%)	**30.3 %**	**21.8 %**	**27.6 %**	**21.9 %**	**22.7 %**	**18.6 %**
on Solid Fuels	26.5 %	25.6 %	33.4 %	17.6 %	16.6 %	18.9 %
on Hard Coal	81.7 %	96.0 %	102.2 %	100.9 %	97.4 %	100.4 %
on Petroleum Fuels	48.6 %	34.2 %	38.5 %	51.9 %	51.2 %	47.0 %
on Crude and NGL	54.9 %	43.5 %	61.3 %	56.5 %	56.6 %	55.8 %
on Natural Gas	24.9 %	19.8 %	30.1 %	16.8 %	21.3 %	11.9 %
RES of the Gross Final Energy (%)						
Overall RES with Aviation Cap				23.4 %	22.8 %	23.9 %
RES-H&C – Heating and Cooling				27.2 %	25.7 %	26.2 %
RES-E – Electricity Generation				30.4 %	33.6 %	37.5 %
RES-T – Transport				3.2 %	4.0 %	4.6 %
Gases emissions (Mio ton CO_2)						
CO_2 Emissions	127	93	100	80	84	
GHGs Emissions	176	135	142	116	119	
Main Emissions Indicators						
CO_2 per Capita (kg CO_2/cap)	5599	4158	4675	3971	4203	
Carbon Intensity (kg CO_2/toe)	2741	2545	2542	2246	2383	
CO_2 GDP Intensity (ton CO_2/M€'10)	1510	1124	908	634	654	

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

5.24 Slovenia

Mtoe, unless otherwise stated	1995	2000	2005	2010	2012	2013
Production	**3.0**	**3.1**	**3.5**	**3.7**	**3.5**	**3.6**
Solid Fuels	1.2	1.1	1.2	1.2	1.1	1.1
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	1.4	1.4
Renewables	0.5	0.8	0.8	1.0	1.0	1.1
Wastes, Non-Renewable		0.0	0.0	0.0	0.0	0.0
Net Imports	**3.1**	**3.4**	**3.9**	**3.6**	**3.6**	**3.3**
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	2.5	2.6	2.6	2.7	2.4
of which Crude and NGL	0.5	0.1				
Gases	0.8	0.8	0.9	0.9	0.7	0.7
of which Natural Gas	0.8	0.8	0.9	0.9	0.7	0.7
Renewables	0.0			0.0	0.1	0.1
Electricity	-0.1	-0.1	0.0	-0.2	-0.1	-0.1
Gross Inland Consumption	**6.1**	**6.5**	**7.3**	**7.2**	**7.0**	**6.9**
Solid Fuels	1.4	1.3	1.5	1.5	1.4	1.4
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	2.5	2.4
of which Crude and NGL	0.5	0.1				
Gases	0.7	0.8	0.9	0.9	0.7	0.7
of which Natural Gas	0.7	0.8	0.9	0.9	0.7	0.7
Nuclear	1.2	1.2	1.5	1.5	1.4	1.4
Renewables	0.5	0.8	0.8	1.0	1.0	1.1
Electricity	-0.1	-0.1	0.0	-0.2	-0.1	-0.1
Wastes, Non-Renewable		0.0	0.0	0.0	0.0	0.0
Primary Energy Consumption	**6.0**	**6.2**	**7.0**	**7.0**	**6.9**	**6.8**
Available for Final Consumption	**4.2**	**4.7**	**5.2**	**5.2**	**5.0**	**4.9**
Final Non-Energy Consumption	**0.1**	**0.2**	**0.3**	**0.2**	**0.1**	**0.1**
Final Energy Consumption	**4.1**	**4.5**	**4.9**	**4.9**	**4.8**	**4.8**
by Fuel/Product						
Solid Fuels	0.1	0.1	0.1	0.0	0.1	0.0
Petroleum and Products	2.1	2.3	2.4	2.4	2.4	2.3
Gases	0.6	0.6	0.7	0.6	0.5	0.5
Biomass and Renewable Wastes	0.3	0.4	0.4	0.5	0.6	0.6
Solar				0.0	0.0	0.0
Geothermal				0.0	0.0	0.0
Electricity	0.8	0.9	1.1	1.0	1.1	1.1
Derived heat	0.2	0.2	0.2	0.2	0.2	0.2
Wastes, Non-Renewable			0.0	0.0	0.0	0.0
by Sector						
Industry	1.2	1.4	1.6	1.3	1.2	1.2
Transport	1.3	1.3	1.5	1.8	1.9	1.9
Households	1.2	1.1	1.2	1.3	1.2	1.2
Services	0.4	0.5	0.5	0.5	0.5	0.5
Agriculture and Fishing	0.0	0.1	0.1	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**

	1995	2000	2005	2010	2012	2013
Installed Capacity (GW)	**2.5**	**2.6**	**3.0**	**3.2**	**3.4**	**3.4**
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	1.3	1.3	1.3
Wind						
Solar PV				0.0	0.1	0.2
Geothermal						
Tide, Wave and Ocean						
Other Sources						
Gross Electricity Generation (TWh)	**12.9**	**13.6**	**15.1**	**16.4**	**15.7**	**16.1**
Solid Fuels	4.6	4.6	5.3	5.3	5.1	4.9
Petroleum and Products	0.3	0.1	0.0	0.0	0.0	0.0
Gases	0.0	0.3	0.3	0.5	0.5	0.5
Nuclear	4.8	4.8	5.9	5.7	5.5	5.3
Renewables	3.3	3.9	3.6	4.9	4.5	5.4
Wastes, non-RES	0.0	0.0	0.0	0.0	0.0	0.0
Cogeneration Heat and Power						
CHP Electrical Capacity (GW)			0.3	0.3	0.3	0.4
CHP Electricity Generation (TWh)			1.1	1.1	1.2	1.2
CHP in Total Electricity Generation (%)			7.3%	6.9%	7.5%	7.1%
CHP Heat Production (PJ)			15.0	11.6	10.7	10.8
Transport Fuels (ktoe)						
Final Consumption Petroleum Products	1334	1236	1476	1746	1842	1790
Motor Gasoline	880	860	698	600	526	485
Gas/Diesel Oil	433	350	754	1111	1282	1266
Final Consumption Biofuels				45	51	62
Biogasoline				3	5	6
Biodiesel				42	46	56
Main Energy Indicators						
Energy Intensity (toe/M€'10)	269	231	220	200	197	196
Energy per Capita (kgoe/cap)	3053	3243	3661	3534	3402	3336
Final Electricity per Capita (KWh/cap)	4698	5289	6368	5840	6101	6113
Primary Energy Intensity (toe/M€'10)	263	223	211	194	194	192
Import Dependency (%)	**50.9%**	**52.8%**	**52.5%**	**49.3%**	**51.7%**	**47.1%**
on Solid Fuels	13.6%	18.7%	21.0%	19.2%	21.5%	19.5%
on Hard Coal	100.0%	100.5%	93.8%	101.3%	117.7%	97.5%
on Petroleum Fuels	97.8%	101.5%	101.2%	100.0%	105.0%	95.8%
on Crude and NGL	95.9%	87.5%				
on Natural Gas	100.5%	99.3%	99.6%	99.3%	99.7%	99.6%
RES of the Gross Final Energy (%)						
Overall RES with Aviation Cap				19.3%	20.2%	21.5%
RES-H&C – Heating and Cooling				25.7%	30.2%	31.7%
RES-E – Electricity Generation				32.1%	31.4%	32.8%
RES-T – Transport				2.8%	2.9%	3.4%
Gases emissions (Mio ton CO_2)						
CO_2 Emissions	15	15	17	16	16	
GHGs Emissions	19	19	20	20	19	
Main Emissions Indicators						
CO_2 per Capita (kg CO_2/cap)	7576	7681	8408	7941	7731	
Carbon Intensity (kg CO_2/toe)	2481	2369	2297	2247	2272	
CO_2 GDP Intensity (ton CO_2/M€'10)	666	548	506	449	448	

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

5.25 Slovakia

Mtoe, unless otherwise stated	1995	2000	2005	2010	2012	2013
Production	**5.1**	**6.4**	**6.7**	**6.3**	**6.6**	**6.8**
Solid Fuels	1.0	1.0	0.6	0.6	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	3.8	4.0	4.1
Renewables	0.5	0.5	0.9	1.4	1.4	1.5
Wastes, Non-Renewable	0.2	0.3	0.1	0.0	0.0	0.1
Net Imports	**12.1**	**12.0**	**12.4**	**11.2**	**10.0**	**10.3**
Solid Fuels	4.1	3.4	3.7	3.0	3.1	2.8
of which Hard Coal	3.1	3.1	3.5	2.6	2.8	2.6
Petroleum and Products	3.4	3.1	3.3	3.3	3.0	3.0
of which Crude and NGL	5.1	5.7	5.4	5.3	5.2	5.7
Gases	4.5	5.7	5.7	5.0	3.9	4.6
of which Natural Gas	4.5	5.7	5.7	5.0	3.9	4.6
Renewables			0.0	-0.1	-0.1	-0.1
Electricity	0.1	-0.2	-0.3	0.1	0.0	0.0
Gross Inland Consumption	**17.7**	**18.3**	**19.0**	**17.9**	**16.7**	**17.3**
Solid Fuels	5.4	4.3	4.2	3.9	3.5	3.5
of which Hard Coal	3.3	3.0	3.3	2.8	2.6	2.6
Petroleum and Products	3.3	3.4	3.7	3.7	3.4	3.3
of which Crude and NGL	5.0	5.9	5.6	5.3	5.2	5.6
Gases	5.2	5.8	5.9	5.0	4.4	4.8
of which Natural Gas	5.2	5.8	5.9	5.0	4.4	4.8
Nuclear	3.0	4.3	4.6	3.8	4.0	4.1
Renewables	0.5	0.5	0.8	1.3	1.4	1.4
Electricity	0.1	-0.2	-0.3	0.1	0.0	0.0
Wastes, Non-Renewable	0.2	0.3	0.1	0.0	0.0	0.1
Primary Energy Consumption	**16.8**	**16.9**	**17.8**	**16.8**	**15.7**	**16.2**
Available for Final Consumption	**12.2**	**12.7**	**12.8**	**12.6**	**11.3**	**12.0**
Final Non-Energy Consumption	**0.9**	**1.4**	**1.3**	**1.1**	**1.0**	**1.1**
Final Energy Consumption	**11.0**	**11.0**	**11.6**	**11.5**	**10.3**	**10.9**
by Fuel/Product						
Solid Fuels	2.6	1.7	1.6	1.6	1.4	1.5
Petroleum and Products	1.6	1.7	2.2	2.3	2.3	2.1
Gases	4.1	4.7	4.5	4.1	3.4	3.8
Biomass and Renewable Wastes	0.1	0.1	0.3	0.5	0.4	0.4
Solar			0.0	0.0	0.0	0.0
Geothermal			0.0	0.0	0.0	0.0
Electricity	1.9	1.9	2.0	2.1	2.1	2.2
Derived heat	0.7	0.6	1.0	0.9	0.8	0.7
Wastes, Non-Renewable	0.1	0.2	0.0	0.0	0.0	0.1
by Sector						
Industry	4.7	4.5	4.7	4.4	4.3	4.3
Transport	1.4	1.5	2.4	2.6	2.3	2.4
Households	2.0	2.6	2.5	2.3	2.1	2.1
Services	2.7	2.2	1.8	2.1	1.5	2.0
Agriculture and Fishing	0.3	0.2	0.2	0.1	0.1	0.1
Other						

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

	1995	2000	2005	2010	2012	2013
Installed Capacity (GW)	**7.2**	**7.5**	**8.3**	**7.9**	**8.4**	**8.5**
Combustible Fuels	3.2	2.4	3.1	3.5	3.4	3.4
Nuclear	1.8	2.6	2.6	1.8	1.9	1.9
Hydro	2.3	2.4	2.5	2.5	2.5	2.5
Wind			0.0	0.0	0.0	0.0
Solar PV				0.0	0.5	0.6
Geothermal						
Tide, Wave and Ocean						
Other Sources			0.0	0.0	0.0	0.0
Gross Electricity Generation (TWh)	**26.8**	**31.2**	**31.5**	**27.9**	**28.7**	**28.8**
Solid Fuels	6.5	5.6	5.5	3.6	3.4	3.1
Petroleum and Products	0.7	0.2	0.7	0.6	0.5	0.4
Gases	2.9	3.9	2.6	2.7	3.3	2.8
Nuclear	11.4	16.5	17.7	14.6	15.5	15.7
Renewables	5.2	5.0	4.8	6.3	5.8	6.7
Wastes, non-RES	0.0	0.0	0.0	0.0	0.0	0.0
Cogeneration Heat and Power						
CHP Electrical Capacity (GW)			5.4	2.8	4.4	4.4
CHP Electricity Generation (TWh)			4.8	4.4	22.5	22.2
CHP in Total Electricity Generation (%)			15.3%	15.9%	78.6%	77.0%
CHP Heat Production (PJ)			33.7	20.1	28.8	27.8
Transport Fuels (ktoe)						
Final Consumption Petroleum Products	1 294	1 372	1 731	2 093	1 997	1 994
Motor Gasoline	512	605	667	600	555	563
Gas/Diesel Oil	742	740	1 011	1 450	1 371	1 353
Final Consumption Biofuels			11	98	91	99
Biogasoline				24	18	18
Biodiesel			11	74	73	81
Main Energy Indicators						
Energy Intensity (toe/M€'10)	503	437	355	266	238	243
Energy per Capita (kgoe/cap)	3 304	3 389	3 532	3 290	3 089	3 189
Final Electricity per Capita (KWh/cap)	4 052	4 075	4 242	4 445	4 428	4 634
Primary Energy Intensity (toe/M€'10)	477	404	331	250	224	228
Import Dependency (%)	**68.5%**	**65.6%**	**65.3%**	**62.9%**	**59.9%**	**59.6%**
on Solid Fuels	76.7%	80.2%	88.4%	75.7%	89.7%	80.6%
on Hard Coal	92.9%	103.8%	105.2%	91.9%	105.9%	98.4%
on Petroleum Fuels	100.6%	90.5%	88.2%	88.5%	89.1%	88.5%
on Crude and NGL	101.5%	97.6%	97.7%	99.9%	99.3%	101.0%
on Natural Gas	86.8%	98.8%	97.5%	99.9%	89.8%	95.6%
RES of the Gross Final Energy (%)						
Overall RES with Aviation Cap				9.0%	10.4%	9.8%
RES-H&C – Heating and Cooling				7.8%	8.7%	7.5%
RES-E – Electricity Generation				17.8%	20.1%	20.8%
RES-T – Transport				4.8%	4.8%	5.3%
Gases emissions (Mio ton CO_2)						
CO_2 Emissions	45	41	42	38	35	
GHGs Emissions	53	49	50	46	43	
Main Emissions Indicators						
CO_2 per Capita (kg CO_2/cap)	8 330	7 606	7 795	6 919	6 536	
Carbon Intensity (kg CO_2/toe)	2 521	2 244	2 207	2 103	2 116	
CO_2 GDP Intensity (ton CO_2/M€'10)	1 268	980	784	559	504	

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

5.26 Finland

Mtoe, unless otherwise stated	1995	2000	2005	2010	2012	2013
Production	**13.1**	**15.2**	**17.0**	**18.0**	**17.8**	**18.7**
Solid Fuels	2.0	1.1	2.1	1.8	1.0	1.7
of which Hard Coal						
Petroleum and Products	0.0	0.5	0.5	0.7	0.7	0.8
of which Crude and NGL						
Gases					0.0	0.0
of which Natural Gas					0.0	0.0
Nuclear	5.0	5.8	6.0	5.9	5.9	6.1
Renewables	6.1	7.8	8.2	9.4	10.0	9.9
Wastes, Non-Renewable	0.0	0.1	0.1	0.1	0.2	0.2
Net Imports	**15.8**	**18.3**	**19.0**	**17.9**	**16.1**	**16.6**
Solid Fuels	3.8	3.5	3.3	4.0	2.6	3.4
of which Hard Coal	3.7	3.2	3.0	3.7	2.4	3.1
Petroleum and Products	8.4	10.4	10.7	9.2	9.0	9.0
of which Crude and NGL	8.5	11.7	10.6	11.2	11.9	12.1
Gases	2.8	3.4	3.6	3.8	3.0	2.9
of which Natural Gas	2.8	3.4	3.6	3.8	3.0	2.9
Renewables			-0.1	-0.1	0.0	0.0
Electricity	0.7	1.0	1.5	0.9	1.5	1.4
Gross Inland Consumption	**29.3**	**32.5**	**34.5**	**37.1**	**34.7**	**33.9**
Solid Fuels	6.1	5.1	4.9	6.9	4.6	5.1
of which Hard Coal	4.1	3.3	2.9	4.3	2.8	3.6
Petroleum and Products	8.6	9.3	10.3	10.1	9.5	8.4
of which Crude and NGL	9.0	11.6	10.8	11.1	11.8	12.0
Gases	2.8	3.4	3.6	3.8	3.0	2.9
of which Natural Gas	2.8	3.4	3.6	3.8	3.0	2.9
Nuclear	5.0	5.8	6.0	5.9	5.9	6.1
Renewables	6.1	7.8	8.1	9.4	10.0	9.9
Electricity	0.7	1.0	1.5	0.9	1.5	1.4
Wastes, Non-Renewable	0.0	0.1	0.1	0.1	0.2	0.2
Primary Energy Consumption	**28.2**	**31.5**	**33.4**	**35.9**	**33.7**	**32.8**
Available for Final Consumption	**21.8**	**24.9**	**26.5**	**27.6**	**26.4**	**25.0**
Final Non-Energy Consumption	**1.1**	**1.0**	**1.2**	**1.2**	**1.0**	**1.1**
Final Energy Consumption	**21.8**	**24.5**	**25.2**	**26.2**	**25.2**	**24.6**
by Fuel/Product						
Solid Fuels	1.3	1.1	0.9	0.8	0.7	0.6
Petroleum and Products	7.5	7.9	8.1	7.6	7.2	7.1
Gases	1.3	1.2	1.1	1.0	0.9	0.9
Biomass and Renewable Wastes	3.9	4.5	4.2	4.9	5.0	5.0
Solar	0.0	0.0	0.0	0.0	0.0	0.0
Geothermal						0.0
Electricity	5.6	6.5	6.9	7.2	6.9	6.9
Derived heat	2.1	3.3	4.0	4.7	4.3	4.1
Wastes, Non-Renewable		0.0	0.0	0.0	0.0	0.1
by Sector						
Industry	9.8	12.3	11.9	11.4	10.9	10.8
Transport	4.1	4.4	4.6	4.8	4.8	4.8
Households	5.4	4.5	5.1	5.8	5.4	5.1
Services	1.0	2.3	2.6	3.1	3.0	2.9
Agriculture and Fishing	0.8	0.7	0.7	0.8	0.8	0.8
Other	0.7	0.3	0.3	0.3	0.3	0.2

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

	1995	2000	2005	2010	2012	2013
Installed Capacity (GW)	**14.4**	**16.3**	**16.5**	**15.5**	**15.8**	**16.7**
Combustible Fuels	9.3	10.7	10.7	9.5	9.6	10.2
Nuclear	2.3	2.6	2.7	2.7	2.7	2.8
Hydro	2.8	2.9	3.0	3.2	3.2	3.3
Wind	0.0	0.0	0.1	0.2	0.3	0.4
Solar PV	0.0	0.0	0.0	0.0	0.0	0.0
Geothermal						
Tide, Wave and Ocean						
Other Sources						
Gross Electricity Generation (TWh)	**64.0**	**70.0**	**70.6**	**80.7**	**70.4**	**71.3**
Solid Fuels	16.6	12.5	11.0	20.8	10.8	13.9
Petroleum and Products	1.4	0.6	0.5	0.5	0.3	0.2
Gases	7.2	10.8	11.9	11.8	7.2	7.3
Nuclear	19.2	22.5	23.3	22.8	23.0	23.6
Renewables	19.5	23.4	23.5	24.2	28.5	25.6
Wastes, non-RES	0.0	0.1	0.2	0.2	0.2	0.3
Cogeneration Heat and Power						
CHP Electrical Capacity (GW)			5.8	6.2	6.3	6.1
CHP Electricity Generation (TWh)			27.5	29.2	24.3	24.3
CHP in Total Electricity Generation (%)			38.9 %	36.2 %	34.5 %	34.1 %
CHP Heat Production (PJ)			250.0	272.8	256.8	251.2
Transport Fuels (ktoe)						
Final Consumption Petroleum Products	4041	4294	4572	4623	4541	4550
Motor Gasoline	1938	1828	1835	1531	1385	1401
Gas/Diesel Oil	1646	1940	2165	2419	2409	2422
Final Consumption Biofuels				140	195	220
Biogasoline				78	91	66
Biodiesel				63	104	155
Main Energy Indicators						
Energy Intensity (toe/M€'10)	237	206	192	198	183	182
Energy per Capita (kgoe/cap)	5733	6285	6582	6922	6410	6238
Final Electricity per Capita (KWh/cap)	12768	14620	15390	15565	14904	14694
Primary Energy Intensity (toe/M€'10)	228	199	186	192	178	176
Import Dependency (%)	**53.5 %**	**55.2 %**	**54.2 %**	**47.9 %**	**46.3 %**	**48.7 %**
on Solid Fuels	63.4 %	68.9 %	67.7 %	57.8 %	57.7 %	65.7 %
on Hard Coal	89.0 %	97.7 %	102.6 %	85.5 %	85.5 %	87.1 %
on Petroleum Fuels	94.8 %	103.5 %	98.4 %	89.4 %	92.9 %	106.2 %
on Crude and NGL	94.1 %	101.5 %	97.5 %	101.1 %	100.9 %	100.7 %
on 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				32.5 %	34.5 %	36.8 %
RES-H&C – Heating and Cooling				44.4 %	48.4 %	50.9 %
RES-E – Electricity Generation				27.6 %	29.5 %	31.1 %
RES-T – Transport				3.8 %	0.4 %	9.9 %
Gases emissions (Mio ton CO_2)						
CO_2 Emissions	60	60	59	66	53	
GHGs Emissions	73	72	72	77	63	
Main Emissions Indicators						
CO_2 per Capita (kg CO_2/cap)	11718	11581	11330	12268	9786	
Carbon Intensity (kg CO_2/toe)	2044	1843	1721	1772	1527	
CO_2 GDP Intensity (ton CO_2/M€'10)	485	379	331	352	280	

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

5.27 Sweden

Mtoe, unless otherwise stated	1995	2000	2005	2010	2012	2013
Production	**31.4**	**30.1**	**34.3**	**32.8**	**35.8**	**34.8**
Solid Fuels	0.2	0.2	0.2	0.2	0.1	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	14.9	16.5	17.1
Renewables	12.8	14.7	14.8	17.0	18.5	16.8
Wastes, Non-Renewable	0.2	0.3	0.5	0.5	0.5	0.6
Net Imports	**20.4**	**20.4**	**19.5**	**19.3**	**14.7**	**16.0**
Solid Fuels	2.8	2.4	2.6	2.5	1.7	1.8
of which Hard Coal	2.4	2.1	2.2	2.3	1.6	1.7
Petroleum and Products	17.1	16.8	16.7	15.1	13.7	13.8
of which Crude and NGL	19.2	22.0	19.5	19.6	20.2	16.4
Gases	0.8	0.8	0.8	1.5	1.0	1.0
of which Natural Gas	0.8	0.8	0.8	1.5	1.0	1.0
Renewables						0.3
Electricity	-0.1	0.4	-0.6	0.2	-1.7	-0.9
Gross Inland Consumption	**51.5**	**48.9**	**51.0**	**50.8**	**49.8**	**49.1**
Solid Fuels	2.9	2.5	2.6	2.5	2.2	2.2
of which Hard Coal	2.3	2.0	2.1	2.0	1.9	1.9
Petroleum and Products	16.8	15.4	14.1	14.2	12.7	12.0
of which Crude and NGL	19.4	21.8	19.4	19.8	20.4	16.1
Gases	0.8	0.8	0.9	1.5	1.0	1.0
of which Natural Gas	0.8	0.8	0.8	1.5	1.0	1.0
Nuclear	18.0	14.8	18.7	14.9	16.5	17.1
Renewables	12.8	14.7	14.8	17.0	18.5	17.1
Electricity	-0.1	0.4	-0.6	0.2	-1.7	-0.9
Wastes, Non-Renewable	0.2	0.3	0.5	0.5	0.5	0.6
Primary Energy Consumption	**49.5**	**47.2**	**48.7**	**48.7**	**48.0**	**47.1**
Available for Final Consumption	**36.7**	**36.2**	**35.2**	**36.9**	**35.3**	**34.5**
Final Non-Energy Consumption	**2.0**	**1.7**	**2.3**	**2.1**	**1.8**	**2.1**
Final Energy Consumption	**35.1**	**35.0**	**33.7**	**34.1**	**32.4**	**31.6**
by Fuel/Product						
Solid Fuels	1.2	1.1	1.3	1.2	1.0	1.1
Petroleum and Products	13.9	13.3	11.4	10.0	9.0	8.6
Gases	0.6	0.7	0.8	0.7	0.8	0.7
Biomass and Renewable Wastes	5.1	5.3	4.7	5.7	6.1	6.0
Solar	0.0	0.0	0.0	0.0	0.0	0.0
Geothermal						0.0
Electricity	10.7	11.1	11.2	11.3	10.9	10.7
Derived heat	3.5	3.6	4.2	5.1	4.5	4.5
Wastes, Non-Renewable	0.0					0.0
by Sector						
Industry	13.8	14.3	12.6	12.2	11.7	11.5
Transport	7.8	8.2	8.6	8.6	8.3	8.3
Households	7.7	7.3	7.3	7.6	7.4	7.0
Services	4.9	4.4	4.3	5.0	4.5	4.4
Agriculture and Fishing	0.8	0.8	0.8	0.7	0.5	0.4
Other	0.0	0.0	0.0	0.0		0.0

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

	1995	2000	2005	2010	2012	2013
Installed Capacity (GW)	**33.6**	**33.7**	**33.4**	**36.5**	**37.8**	**37.9**
Combustible Fuels	7.3	7.5	7.1	8.7	8.4	7.8
Nuclear	10.1	9.5	9.5	9.0	9.4	9.4
Hydro	16.2	16.5	16.3	16.7	16.4	16.5
Wind	0.1	0.2	0.5	2.0	3.6	4.2
Solar PV	0.0	0.0	0.0	0.0	0.0	0.0
Geothermal						
Tide, Wave and Ocean						
Other Sources						
Gross Electricity Generation (TWh)	**148.4**	**145.3**	**158.4**	**148.6**	**166.6**	**153.2**
Solid Fuels	2.4	1.7	1.2	1.8	0.9	1.0
Petroleum and Products	3.9	1.5	1.4	1.8	0.6	0.4
Gases	1.3	1.3	1.3	3.8	1.3	1.2
Nuclear	69.9	57.3	72.4	57.8	64.0	66.5
Renewables	70.6	83.2	81.3	82.2	98.4	82.8
Wastes, non-RES	0.1	0.2	0.9	1.2	1.3	1.3
Cogeneration Heat and Power						
CHP Electrical Capacity (GW)			3.5	5.1	4.5	4.8
CHP Electricity Generation (TWh)			10.7	18.5	15.9	15.6
CHP in Total Electricity Generation (%)			6.7 %	12.5 %	9.6 %	10.2 %
CHP Heat Production (PJ)			132.7	187.2	173.8	165.1
Transport Fuels (ktoe)						
Final Consumption Petroleum Products	7550	7907	8217	7959	7437	7348
Motor Gasoline	4559	4265	4142	3320	2776	2662
Gas/Diesel Oil	2100	2671	3154	3653	3744	3746
Final Consumption Biofuels			134	376	534	631
Biogasoline			127	202	205	180
Biodiesel			7	174	329	451
Main Energy Indicators						
Energy Intensity (toe/M€'10)	205	163	149	138	132	128
Energy per Capita (kgoe/cap)	5831	5511	5647	5415	5232	5118
Final Electricity per Capita (KWh/cap)	14112	14509	14474	13992	13371	13022
Primary Energy Intensity (toe/M€'10)	197	157	143	132	127	123
Import Dependency (%)	**38.9 %**	**40.7 %**	**36.8 %**	**36.6 %**	**28.6 %**	**31.6 %**
on Solid Fuels	95.4 %	98.3 %	97.2 %	102.2 %	78.2 %	82.4 %
on Hard Coal	101.6 %	107.7 %	104.3 %	115.2 %	81.5 %	89.4 %
on Petroleum Fuels	95.6 %	100.8 %	104.0 %	93.6 %	95.4 %	101.4 %
on Crude and NGL	99.3 %	100.6 %	100.4 %	99.0 %	99.3 %	101.7 %
on 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				47.2 %	51.1 %	52.1 %
RES-H&C – Heating and Cooling				60.9 %	65.7 %	67.2 %
RES-E – Electricity Generation				56.0 %	60.0 %	61.8 %
RES-T – Transport				7.2 %	12.9 %	16.7 %
Gases emissions (Mio ton CO_2)						
CO_2 Emissions	64	61	62	61	54	
GHGs Emissions	79	75	76	74	66	
Main Emissions Indicators						
CO_2 per Capita (kg CO_2/cap)	7240	6856	6839	6515	5635	
Carbon Intensity (kg CO_2/toe)	1242	1244	1211	1203	1077	
CO_2 GDP Intensity (ton CO_2/M€'10)	254	203	181	166	142	

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

5.28 United Kingdom

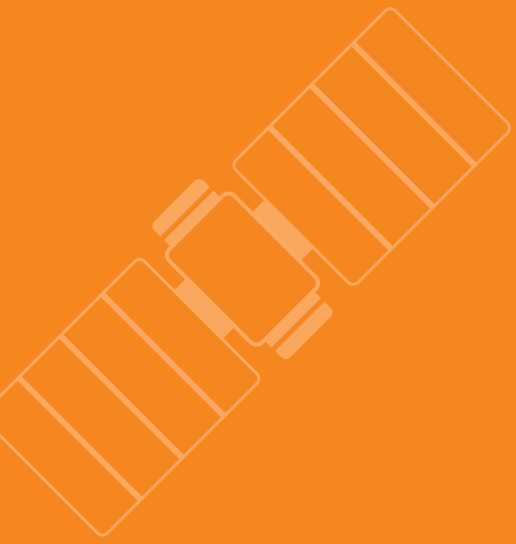
Mtoe, unless otherwise stated	1995	2000	2005	2010	2012	2013
Production	**256.5**	**268.5**	**204.4**	**147.6**	**117.0**	**109.6**
Solid Fuels	32.1	18.7	11.9	10.8	10.0	7.5
of which Hard Coal	32.1	18.7	11.9	10.8	10.0	7.5
Petroleum and Products	135.7	127.9	87.9	63.8	46.1	41.9
of which Crude and NGL	134.4	127.8	87.6	63.6	45.9	41.9
Gases	63.7	97.6	79.4	51.5	35.0	32.9
of which Natural Gas	63.7	97.6	79.4	51.5	35.0	32.9
Nuclear	22.9	21.9	21.1	16.0	18.2	18.2
Renewables	1.8	2.3	3.6	5.2	7.1	8.4
Wastes, Non-Renewable	0.2	0.2	0.6	0.4	0.7	0.7
Net Imports	**-36.8**	**-39.2**	**31.6**	**61.2**	**86.7**	**94.4**
Solid Fuels	10.5	14.5	27.2	16.0	27.0	30.6
of which Hard Coal	10.3	14.4	26.7	16.3	27.2	30.1
Petroleum and Products	-49.3	-45.6	-2.7	11.2	26.0	28.0
of which Crude and NGL	-43.7	-41.8	-0.2	9.6	26.1	21.4
Gases	0.6	-9.3	6.0	32.2	31.4	32.9
of which Natural Gas	0.6	-9.3	6.0	32.2	31.4	32.9
Renewables			0.4	1.6	1.3	1.7
Electricity	1.4	1.2	0.7	0.2	1.0	1.2
Gross Inland Consumption	**222.3**	**230.6**	**234.0**	**212.2**	**203.0**	**201.1**
Solid Fuels	47.2	36.5	37.7	30.8	38.8	37.3
of which Hard Coal	47.1	36.6	37.3	31.2	39.0	36.9
Petroleum and Products	83.6	81.0	84.5	73.0	69.4	67.8
of which Crude and NGL	91.6	87.1	87.2	73.4	71.4	63.4
Gases	65.1	87.4	85.5	85.1	66.5	65.7
of which Natural Gas	65.1	87.4	85.5	85.1	66.5	65.7
Nuclear	22.9	21.9	21.1	16.0	18.2	18.2
Renewables	1.8	2.3	4.0	6.8	8.4	10.1
Electricity	1.4	1.2	0.7	0.2	1.0	1.2
Wastes, Non-Renewable	0.2	0.2	0.6	0.4	0.7	0.7
Primary Energy Consumption	**209.8**	**219.2**	**222.8**	**204.7**	**196.6**	**194.5**
Available for Final Consumption	**157.1**	**163.8**	**165.4**	**152.0**	**142.5**	**143.6**
Final Non-Energy Consumption	**12.5**	**11.3**	**11.2**	**7.5**	**6.5**	**6.5**
Final Energy Consumption	**142.7**	**153.2**	**152.7**	**142.7**	**135.0**	**136.4**
by Fuel/Product						
Solid Fuels	8.2	6.0	4.5	4.1	3.9	4.8
Petroleum and Products	61.0	63.7	65.9	59.5	57.4	56.9
Gases	47.1	52.2	50.4	47.2	42.9	43.6
Biomass and Renewable Wastes	0.9	0.6	0.6	2.1	1.9	2.3
Solar	0.0	0.0	0.0	0.1	0.2	0.2
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	25.3	28.4	30.0	28.3	27.3	27.3
Derived heat		2.4	1.3	1.3	1.2	1.3
Wastes, Non-Renewable	0.1	0.0	0.1	0.0	0.0	0.0
by Sector						
Industry	34.9	36.9	33.4	26.9	24.7	25.7
Transport	47.7	52.9	55.5	51.5	50.7	50.5
Households	39.3	43.0	44.2	44.7	40.2	40.2
Services	16.3	16.9	16.7	17.5	17.3	17.7
Agriculture and Fishing	1.3	1.2	0.9	0.9	0.8	0.9
Other	3.2	2.4	2.0	1.2	1.3	1.5

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

	1995	2000	2005	2010	2012	2013
Installed Capacity (GW)	**70.1**	**78.4**	**82.4**	**93.7**	**94.6**	**91.5**
Combustible Fuels	52.9	61.2	64.7	72.9	69.6	63.2
Nuclear	12.8	12.5	11.9	10.9	9.9	9.9
Hydro	4.2	4.3	4.3	4.4	4.4	4.4
Wind	0.2	0.4	1.6	5.4	8.9	11.2
Solar PV		0.0	0.0	0.1	1.7	2.8
Geothermal						
Tide, Wave and Ocean		0.0		0.0	0.0	0.0
Other Sources						
Gross Electricity Generation (TWh)	**334.0**	**377.1**	**398.4**	**381.7**	**363.4**	**359.2**
Solid Fuels	153.8	120.0	134.6	107.7	143.2	130.8
Petroleum and Products	17.3	8.4	5.3	4.8	2.6	2.1
Gases	65.1	150.4	154.3	176.8	101.2	96.8
Nuclear	89.0	85.1	81.6	62.1	70.4	70.6
Renewables	8.4	12.7	19.9	28.9	44.2	56.6
Wastes, non-RES	0.4	0.5	2.6	1.4	1.9	2.3
Cogeneration Heat and Power						
CHP Electrical Capacity (GW)			5.4	6.1	6.2	6.2
CHP Electricity Generation (TWh)			27.2	23.6	21.9	19.7
CHP in Total Electricity Generation (%)			6.8%	6.2%	6.0%	5.5%
CHP Heat Production (PJ)			185.2	155.5	154.5	142.5
Transport Fuels (ktoe)						
Final Consumption Petroleum Products	46975	52154	55072	49960	49377	49057
Motor Gasoline	23543	23167	19975	15598	14153	13450
Gas/Diesel Oil	15322	17754	21497	22480	23495	23772
Final Consumption Biofuels			80	1130	930	1058
Biogasoline			54	319	434	459
Biodiesel			25	811	496	599
Main Energy Indicators						
Energy Intensity (toe/M€'10)	169	151	132	117	109	106
Energy per Capita (kgoe/cap)	3830	3915	3874	3382	3187	3136
Final Electricity per Capita (KWh/cap)	5079	5601	5775	5242	4991	4952
Primary Energy Intensity (toe/M€'10)	160	143	126	113	106	103
Import Dependency (%)	**-16.4%**	**-16.9%**	**13.4%**	**28.5%**	**42.2%**	**46.4%**
on Solid Fuels	22.2%	39.6%	72.1%	52.2%	69.5%	82.0%
on Hard Coal	21.8%	39.4%	71.5%	52.3%	69.8%	81.6%
on Petroleum Fuels	-57.4%	-54.9%	-3.2%	14.8%	36.1%	39.8%
on Crude and NGL	-47.7%	-48.0%	-0.2%	13.1%	36.6%	33.7%
on Natural Gas	1.0%	-10.7%	7.0%	37.9%	47.2%	50.1%
RES of the Gross Final Energy (%)						
Overall RES with Aviation Cap				3.3%	4.2%	5.1%
RES-H&C – Heating and Cooling				1.8%	2.3%	2.6%
RES-E – Electricity Generation				7.4%	10.8%	13.9%
RES-T – Transport				3.1%	3.7%	4.4%
Gases emissions (Mio ton CO_2)						
CO_2 Emissions	579	591	601	543	521	
GHGs Emissions	752	727	718	647	622	
Main Emissions Indicators						
CO_2 per Capita (kg CO_2/cap)	9981	10030	9948	8646	8182	
Carbon Intensity (kg CO_2/toe)	2606	2562	2568	2556	2567	
CO_2 GDP Intensity (ton CO_2/M€'10)	441	386	340	299	280	

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

Appendices



Summary

Appendices Methodology

Appendix 1 – 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	ESTAT Partner Code	ESTAT – Energy 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
HR	Croatia	Hrvatska	11	HR	0092	84
IT	Italy	Italia	12	IT	0005	07
CY	Cyprus	Kýpros	13	CY	0600	21
LV	Latvia	Latvija	14	LV	0055	24
LT	Lithuania	Lietuva	15	LT	0054	25
LU	Luxembourg	Luxembourg	16	LU	0022	13
HU	Hungary	Magyarország	17	HU	0064	23
MT	Malta	Malta	18	MT	0085	27
NL	Netherlands	Nederland	19	NL	0003	08
AT	Austria	Österreich	20	AT	0038	16
PL	Poland	Polska	21	PL	0060	87
PT	Portugal	Portugal	22	PT	0040	14
RO	Romania	România	23	RO	0066	83
SI	Slovenia	Slovenija	24	SI	0091	86
SK	Slovakia	Slovensko	25	SK	0063	26
FI	Finland	Suomi/Finland	26	FI	0032	18
SE	Sweden	Sverige	27	SE	0030	17
UK	United Kingdom	United Kingdom	28	GB	0006	05

* Latin transliterated.

EU Interinstitutional Style Guide (ISG): http://publications.europa.eu/code/
Eurostat Website: http://ec.europa.eu/eurostat/
ISO 3166 Country Codes Maintenance Agency: http://www.iso.org/iso/country_codes/iso_3166_code_lists.htm

Appendix 2 – Main Indicators – EN

ESTAT Energy Database – EN	
Indicator	**Code**
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_101810	Non-Ferrous Metals
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/

Appendix 3 – Main Indicators – DE

ESTAT Energy Database – DE	
Indicator	**Code**
B_100100	Primärerzeugung
B_100200	Wiedergewinnung
B_100300	Gesamteinfuhren
B_100400	Bestandsveränderungen
B_100500	Gesamtausfuhren
B_100600	Nettoeinfuhren
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 Nichtmetallische Mineralstoffe verarbeitenden Industrie
B_101825	Energetischer Endverbrauch der Erzgewinnungsindustrie (mit Ausnahme der Brenn-und Kraftstoffgewinnung)
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

Source: Coded, Eurostat Datenbank für Konzepte und Begriffe: http://ec.europa.eu/eurostat/ramon/

Appendix 4 – Main Indicators – FR

ESTAT Energy Database – FR	
Indicator	**Code**
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 et pétrochimie
B_101820	Consommation finale énergétique – minéraux non métalliques
B_101825	Consommation finale énergétique – extraction
B_101830	Consommation finale énergétique – aliments, boissons
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

Source: Coded, Base de Données de Concepts et Définitions d'Eurostat: http://ec.europa.eu/eurostat/ramon/

Appendix 5 – Main Products – EN

ESTAT Energy Database – EN	
Indicator	**Code**
0000	All products
2000	Solid fuels
2100	Hard coal and derivatives
2111	Hard coal
2112	Patent fuels
2120	Coke
2200	Lignite and derivatives
3000	Total petroleum and products
3100	Crude oil and feedstocks
3105	Crude oil
3110	Crude oil and NGL
3190	Feedstocks
3200	All petroleum product
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 and wastes
5541	Wood and wood waste
5542	Biogas
55431	Municipal solid wastes – RES
5545	Biofuels
5546	Biogasoline
5547	Biodiesel
5550	Geothermal energy
6000	Electrical energy
7100	Industrial waste

Source: Coded, Eurostat's Concepts and Definitions Database: http://ec.europa.eu/eurostat/ramon/

Appendix 6 – Main Products – DE

ESTAT Energy Database – DE	
Indicator	**Code**
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	Dieselkraftstoffe und Destillatheizöle
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

Source: Coded, Eurostat Datenbank für Konzepte und Begriffe: http://ec.europa.eu/eurostat/ramon/

Appendix 7 – Main Products – FR

ESTAT Energy Database – FR	
Indicator	**Code**
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 solides renouvelables
5545	Biocarburants
5546	Bioessence
5547	Biodiesel
5550	Énergie géothermique
6000	Énergie électrique
7100	Déchets industriels

Source: Coded, Base de Données de Concepts et Définitions d'Eurostat: http://ec.europa.eu/eurostat/ramon/

Appendix 8 – Symbols and Abbreviations

%	per cent
€	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€ '2010	millions of euro, chain-linked volumes, reference year 2010, at 2010 exchange rates
m^3	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
RES-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

Appendix 9 – 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)

Appendix 10 – Conversion Factors

ENERGY

FROM: \ TO:	TJ	Gcal	Mtoe	GWh
	Multiply by			
Terajoule (TJ)	1	238.8	2.388×10^{-5}	0.2778
Gigacalorie (Gcal)	4.1868×10^{-3}	1	1×10^{-7}	1.163×10^{-3}
Million ton of oil equivalent (Mtoe)	4.1868×10^{4}	1×10^{7}	1	11630
Gigawatt-hour GWh	3.6	860	8.6×10^{-5}	1

VOLUME

FROM: \ TO:	l	bbl	gal US	gal UK
	Multiply by			
Litre (l)	1	0.6290×10^{-2}	0.2642	0.2200
Barrel (bbl)	158.99	1	42	34.9723
US gallon (gal US)	3.7854	0.2381×10^{-1}	1	0.8327
UK gallon (gal UK)	4.5461	0.2859×10^{-1}	1.2009	1

MASS

FROM: \ 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

Appendix 11 – Average Calorific Values

		Energy Content	
		kJ (NCV)	kgoe (NCV)
Hard Coal	1 kg	17200 – 30700	0.411 – 0.733
Recovered Hard Coal	1 kg	13800 – 28300	0.330 – 0.676
Patent Fuels	1 kg	26800 – 31400	0.640 – 0.750
Hard Coke	1 kg	28500	0.681
Brown Coal	1 kg	5600 – 10500	0.134 – 0.251
Black Lignite	1 kg	10500 – 21000	0.251 – 0.502
Peat	1 kg	7800 – 13800	0.186 – 0.330
Brown Coal Briquettes	1 kg	20000	0.478
Tar	1 kg	37700	0.900
Benzol	1 kg	39500	0.943
Oil Equivalent	1 kg	41868	1
Crude Oil	1 kg	41600 – 42800	0.994 – 1.022
Feedstocks	1 kg	42500	1.015
Refinery Gas	1 kg	50000	1.194
LPG	1 kg	46000	1.099
Motor Spirit	1 kg	44000	1.051
Kerosenes, Jet Fuel	1 kg	43000	1.027
Naphtha	1 kg	44000	1.051
Gas Diesel Oil	1 kg	42300	1.010
Residual Fuel Oil	1 kg	40000	0.955
White Spirit	1 kg	44000	1.051
Lubricants	1 kg	42300	1.010
Bitumen	1 kg	37700	0.900
Petroleum Cokes	1 kg	31400	0.750
Other Petro. Products	1 kg	30000	0.717
Electrical Energy	1 kWh	3600	0.086

Appendix Glossary

Appendix 12 – Glossary

In parenthesis EUROSTAT Energy database/EUROBASE, (Energy section) codes for products (p:) and indicators (B_), as of June 2014.

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, oil shale and oil sands, 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 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 placed at the disposal of 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 fried oil), bio methanol, bio-dimethylether and bio-oil (a pyrolysis oil fuel produced from biomass).
The code biofuels (p:5545), groups biogasoline (p:5546), biodiesel (p:5547), bio jet kerosene (p:5549) 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 the industrial waste (p:7100) are included in Wastes non-RES (p:7200).

CAPACITY FACTOR – ANNUAL AVERAGE

It 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, to 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 average statistical year base.

CARBON ENERGY INTENSITY

This is the average emission rate of CO_2 relative to the intensity of the energy activity. It is calculated, in the tables, in kg CO_2 emissions per ton of oil equivalent of energy used.

CARBON GDP INTENSITY

This represents the average emission rate of CO_2 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.

CO_2 ENERGY INTENSITY

Vide Carbon Energy Intensity.

CONVENTIONAL THERMAL POWER

It is a technology for the production of electricity by fuel combustion. It will 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

This represents 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. While 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 placed at the disposal of 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 the effectiveness with which 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, at gross inland consumption level.

ENERGY SECTOR BROAD DEFINITION

It 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

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

EUROBASE

The Eurostat, web based, dissemination database contains the full range of publically available data from Eurostat.

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 year 2010, in millions of euro, chain-linked volumes, at 2010 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, hydro fluorocarbons, 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, 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

It is the total heat produced, including losses in the installations/network heat exchanges, as well as heat from chemical processes used as primary energy form. For auto-producers, the 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: indigenous production (B_100100) + primary product receipts (B_100110)+ recovered products from other sources (B_100200)+ recycled products (B_100210) + imports (B_100300) + stock changes (B_100400) - exports (B_100500) - international marine bunkers (B_100800).

GROSS INSTALLED (ELECTRICITY) CAPACITY

This covers the gross installed electrical capacity of thermal, nuclear, hydro, geothermal, wind and any other types of power plants.

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 Inter-institutional 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

This represents 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 is 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. In terms of employment figures are more representative of the total sector, but unfortunately not so disaggregated as the SBS survey.

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 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:	to the next:
	multiply by 1 000 000	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

It is the amount of gross generation a generator produces less 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, and other hydrocarbon (p:3100) and all petroleum sub-products (p:3200).

PRIMARY ENERGY CONSUMPTION

Primary energy corresponds to the gross inland consumption minus the energy included in the final non-energy consumption.

PRIMARY ENERGY INTENSITY

Primary energy intensity gives an indication of the effectiveness with which primary energy consumption produces added value. It is defined as the ratio of primary energy consumption to gross domestic product.

PRIMARY ENERGY PRODUCTION – INDIGENOUS PRODUCTION

Any kind of extraction of energy products from natural sources to a usable form is called primary production. 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 (B_100100).

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 includes only 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 includes only 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 .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 which generate electricity (and heat) for sale to third parties as their primary activity. They may be privately or publicly owned.

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 and 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 41 868 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.

TRANSFORMATION INPUT

Covers all inputs into the transformation plants destined to be converted into derived products, (B_101000). Transformation is only recorded when the energy products are physically or chemically modified to produce other energy products, electricity and/or heat. It is the sum of the Input to conventional thermal power stations (B_101001), Input to nuclear power stations (B_101002), Input to patent fuel and briquetting plants (B_101003), Input to coke-oven plants (B_101004), Input to blast furnace plants (B_101006), Input to gas-works (B_101007), Input to refineries (B_101008), Input to district heating plants and (B_ 101009).

TRANSFORMATION OUTPUT

It is the result of the transformation process of energy, (B_101100). This output covers derived products, namely: patent fuel, coke, brown-coal and peat briquettes, pitch, tar, benzol, refined petroleum products, derived gases, electricity from conventional thermal and nuclear power stations and derived heat. Transformation output refers always to gross production of derived products, i.e. the own consumption of the transformation plants is included. It is the sum of the Output from conventional thermal power stations (B_101101), Output from nuclear power stations (B_101102), Output from patent fuel and briquetting plants (B_101103), Output from coke-oven plants (B_101104), Output from blast furnace plants (B_101106), Output from gas-works (B_101107), Output from refineries (B_101108) and Output from district heating plants (B_101109).

TRANSFORMATION LOSSES

The difference between transformation input and transformation output constitutes transformation losses.

TURNOVER

Or Gross Premium Written 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.

Appendix Notes

Appendix 13 – 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, 1.1.6, 1.1.8, PAGES 11, 13, 15 AND 17

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, municipal waste, primary solid biofuels, biogases, bio gasoline, biodiesel, other liquid biofuels, non-specified biofuels and charcoal energy. Industrial waste not included.

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.

1.1.5, 1.1.6, PAGES 14, 15

Final energy consumption covers energy supplied to the final consumer's door for all energy uses.
Asia aggregation does not include China data.

1.1.8, PAGE 17

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

1.1.10, PAGE 19

CO_2 Intensity refers to CO_2 emissions activity intensity, measured by its energy gross inland consumption.

1.2.5, PAGE 25

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

1.3.1, PAGE 27

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

APPENDIX 13.2

2.1.1, PAGES 35-37

Production comprises primary production and products recovered from other sources, (B_100100 + B_100110+ B_100200+ B_100210).

2.1.2, PAGES 38-40

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

2.1.3, PAGES 41-44

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 45-49

Solid fuels, (p:2000), cover solid fossil fuels such as hard coal, coal patent fuels, coke, coal tar, lignite, brown-coal briquettes, peat briquettes, peat and oil sands. Hard coal, (p:2111), comprises, only, coking coal and steam coal.

2.2.2, PAGES 50-54

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 55-58

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

2.2.5, PAGES 63-65

For products see former points 2.2.1 to 2.2.3.

2.3, PAGES 66-72

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, and it is not a simple average of the upper mentioned products.

2.5.1, PAGE 79

Energy available for final consumption covers the energy placed at the disposal of final users. It includes final non energy consumption.

2.5.2, PAGES 80-83

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

2.5.3, PAGE 84

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

2.5.4, PAGE 85

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

2.6.1, PAGES 86-88

Installed capacity represents the maximum active power that can be supplied, continuously, with all systems running.
Please note that combustible fuels include not only fossil fuels, as well as biomass and wastes, that are later included, also, in the renewables installed capacity.

2.6.2, PAGES 89-93

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.

2.7.1, PAGES 95-96

The share of the solar and wind energy is measured against to total installed capacity, all sources.

2.7.2-2.7.8, PAGES 97-105

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

2.7.3, 2.7.4, PAGES 100-101

Gross electricity production wind share measures the percentage of wind produced electricity in the total production.
Average capacity factor it 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.

2.7.8, PAGE 105

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

2.8, PAGES 106-108

The data collection for CHP generation is not based in the annual Heat survey, but instead in 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, is considered. However own heat used by the undertaking for its own processes, is here included.

2.9, PAGES 109-111

Data is generated by the annual heat survey. Heat, in these tables, include the total heat produced, including losses in the installations/network heat exchanges, as well as heat from chemical processes used as primary energy form. Only heat sold to third parties is here reported.

2.10, PAGES 112-114

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 115

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

2.11.4, PAGE 118

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 123-129

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 includes national average prices of the last 6 months reported by different consumer bands. All taxes are included in the current prices.

Consumption bands have been selected as the most representative for the exercise.

APPENDIX 13.3

3.1.1, PAGE 134

Energy activities sector in its broad and narrow definition (sector d35), as defined by EUROSTAT/NACE and UN/SIC nomenclatures.

3.2, PAGES 135-137

Data from the LFS survey. At employment level, this dataset presents larger figures than the SBS, due to the difference of methodology, and its sample size.

3.3, PAGES 138-149

Includes data on number of enterprises, turnover, and persons declared as employed, as originated from the SBS survey that targets especially enterprises business. At employment level is more disaggregated but less complete than the LFS survey.

3.4, PAGES 150-154

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

APPENDIX 13.4

4.1.1, PAGES 158-162

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, etc.). 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.

4.1.2 PAGES 163-167

Structure of emissions similar to the GHG emissions.

4.2.2 PAGE 169

Carbon GDP intensity is the average emission rate of CO_2 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.

Notes

HOW TO OBTAIN EU PUBLICATIONS

Free publications:

- one copy: via EU Bookshop (http://bookshop.europa.eu);
- more than one copy or posters/maps: from the European Union's representations (http://ec.europa.eu/represent_en.htm); from the delegations in non-EU countries (http://eeas.europa.eu/delegations/index_en.htm); by contacting the Europe Direct service (http://europa.eu/europedirect/index_en.htm) or calling 00 800 6 7 8 9 10 11 (freephone number from anywhere in the EU) (*).

(*) The information given is free, as are most calls (though some operators, phone boxes or hotels may charge you).

Priced publications:

- via EU Bookshop (http://bookshop.europa.eu).

MJ-AB-15-001-EN-C

https://ec.europa.eu/energy/en/statistics/energy-statistical-pocketbook

Publications Office

ISBN 978-92-79-48359-2
doi:10.2833/105662