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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/data-analysis/energy-statistical-pocketbook>

Recommended sources of data:

European Commission websites:

DG Energy

Pocketbook: <http://ec.europa.eu/energy/en/data-analysis/energy-statistical-pocketbook>

Country statistics: <http://ec.europa.eu/energy/en/data-analysis/country>

Energy data and analysis: <http://ec.europa.eu/energy/en/data-analysis>

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.

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Overview

PART 1



Summary

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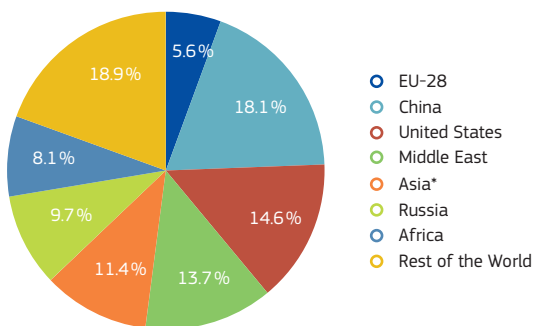
1.1 Energy in the World (Overview)

1.1.1 World Energy Production by Region

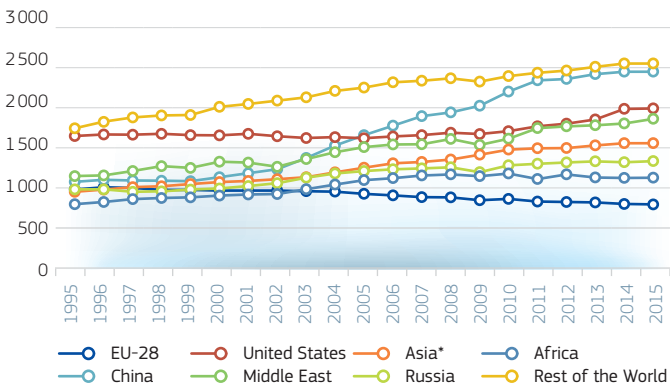
(Mtoe)

| | 1995 | 2000 | 2005 | 2010 | 2015 | 2015 (%) |
|-------------------|------|-------|-------|-------|-------|----------|
| EU-28 | 967 | 950 | 909 | 843 | 771 | 5.6% |
| China | 1064 | 1124 | 1671 | 2236 | 2496 | 18.1% |
| United States | 1659 | 1667 | 1631 | 1723 | 2019 | 14.6% |
| Middle East | 1137 | 1324 | 1516 | 1624 | 1884 | 13.7% |
| Asia* | 934 | 1062 | 1248 | 1484 | 1568 | 11.4% |
| Russia | 968 | 978 | 1203 | 1279 | 1334 | 9.7% |
| Africa | 773 | 885 | 1087 | 1173 | 1118 | 8.1% |
| Rest of the World | 1760 | 2038 | 2287 | 2438 | 2601 | 18.9% |
| World | 9263 | 10028 | 11554 | 12799 | 13790 | 100.0% |

TOTAL 2015: 13 790 Mtoe



Mtoe



* non OECD and OECD Asia, excluding China.

Source: IEA, August 2017

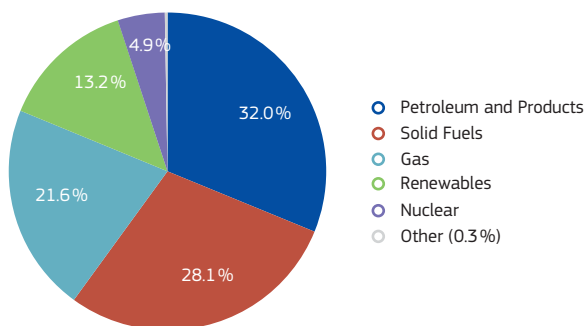
Methodology and Notes: See Appendix 13 – No 1

1.1.2 World Energy Production by Fuel

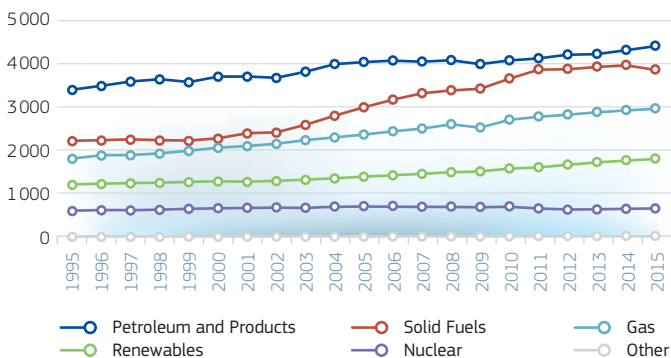
(Mtoe)

| | 1995 | 2000 | 2005 | 2010 | 2015 | 2015 (%) |
|------------------------|--------------|---------------|---------------|---------------|---------------|---------------|
| Petroleum and Products | 3 397 | 3 703 | 4 045 | 4 082 | 4 416 | 32.0% |
| Solid Fuels | 2 220 | 2 278 | 2 997 | 3 663 | 3 872 | 28.1% |
| Gas | 1 811 | 2 064 | 2 370 | 2 715 | 2 976 | 21.6% |
| Renewables | 1 211 | 1 287 | 1 398 | 1 590 | 1 819 | 13.2% |
| Nuclear | 608 | 676 | 722 | 719 | 671 | 4.9% |
| Other | 17 | 21 | 21 | 31 | 37 | 0.3% |
| Total | 9 263 | 10 028 | 11 554 | 12 799 | 13 790 | 100.0% |

TOTAL 2015: 13 790 Mtoe



Mtoe



Source: IEA, August 2017

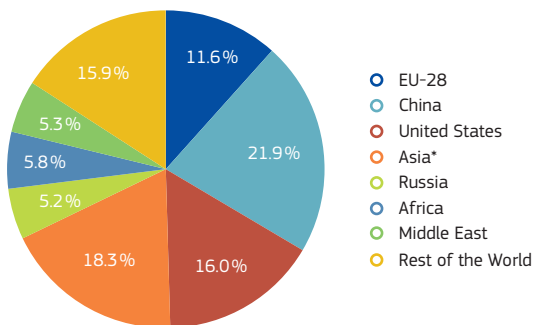
Methodology and Notes: See Appendix 13 – No 1

1.1.3 World Gross Inland Consumption by Region

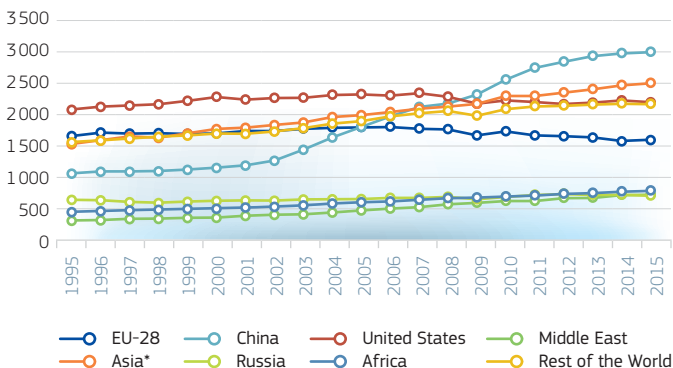
(Mtoe)

| | 1995 | 2000 | 2005 | 2010 | 2015 | 2015 (%) |
|-------------------|------|-------|-------|-------|-------|----------|
| EU-28 | 1649 | 1695 | 1794 | 1726 | 1586 | 11.6% |
| China | 1055 | 1143 | 1794 | 2550 | 2987 | 21.9% |
| United States | 2067 | 2273 | 2319 | 2215 | 2188 | 16.0% |
| Asia* | 1521 | 1761 | 1983 | 2291 | 2495 | 18.3% |
| Russia | 637 | 619 | 652 | 688 | 710 | 5.2% |
| Africa | 444 | 496 | 600 | 695 | 788 | 5.8% |
| Middle East | 307 | 354 | 469 | 624 | 729 | 5.3% |
| Rest of the World | 1549 | 1686 | 1890 | 2083 | 2165 | 15.9% |
| World | 9228 | 10028 | 11499 | 12873 | 13647 | 100.0% |

TOTAL 2015: 13 647 Mtoe



Mtoe



* non OECD and OECD Asia, excluding China.

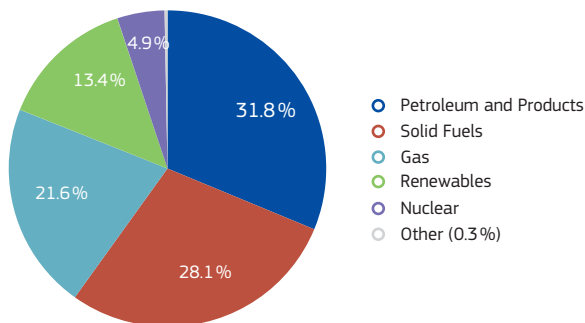
Source: IEA, August 2017

Methodology and Notes: See Appendix 13 – No 1

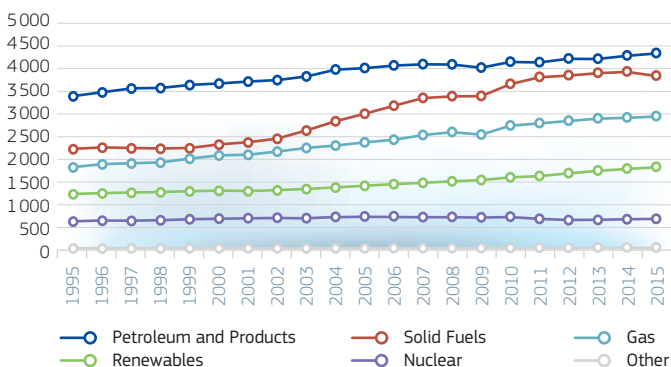
1.1.4 World Gross Inland Consumption by Fuel (Mtoe)

| | 1995 | 2000 | 2005 | 2010 | 2015 | 2015 (%) |
|------------------------|--------------|---------------|---------------|---------------|---------------|---------------|
| Petroleum and Products | 3 376 | 3 660 | 4 005 | 4 142 | 4 334 | 31.8% |
| Solid Fuels | 2 208 | 2 311 | 2 993 | 3 654 | 3 836 | 28.1% |
| Gas | 1 807 | 2 071 | 2 360 | 2 736 | 2 944 | 21.6% |
| Renewables | 1 212 | 1 288 | 1 398 | 1 591 | 1 823 | 13.4% |
| Hydro* | 213 | 225 | 252 | 296 | 334 | 2.5% |
| Geothermal* | 39 | 52 | 54 | 63 | 74 | 0.5% |
| Solar/Wind/Other* | 4 | 8 | 17 | 48 | 126 | 0.9% |
| Biofuels and Waste* | 972 | 1 023 | 1 096 | 1 213 | 1 323 | 9.7% |
| Nuclear | 608 | 676 | 722 | 719 | 671 | 4.9% |
| Other | 16 | 21 | 21 | 31 | 40 | 0.3% |
| Total | 9 228 | 10 028 | 11 499 | 12 873 | 13 647 | 100.0% |

TOTAL 2015: 13 647 Mtoe



Mtoe



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

Source: IEA, August 2017

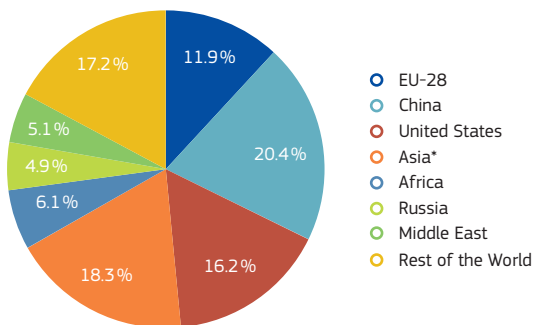
Methodology and Notes: See Appendix 13 – No 1

1.1.5 World Final Energy Consumption by Region

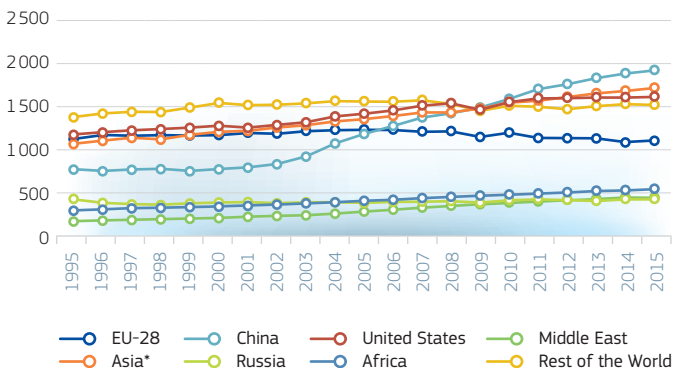
(Mtoe)

| | 1995 | 2000 | 2005 | 2010 | 2015 | 2015 (%) | | | | | | | |
|-------------------|--------------|--------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| EU-28 | 1 133 | 1 180 | 1 243 | 1 208 | 1 114 | 11.9% | | | | | | | |
| China | 788 | 791 | 1 192 | 1 587 | 1 915 | 20.4% | | | | | | | |
| United States | 1 378 | 1 546 | 1 563 | 1 512 | 1 520 | 16.2% | | | | | | | |
| Asia* | 1 076 | 1 211 | 1 357 | 1 548 | 1 716 | 18.3% | | | | | | | |
| Africa | 324 | 369 | 437 | 508 | 573 | 6.1% | | | | | | | |
| Russia | 458 | 418 | 412 | 447 | 457 | 4.9% | | | | | | | |
| Middle East | 202 | 241 | 313 | 416 | 475 | 5.1% | | | | | | | |
| Rest of the World | 1 180 | 1 281 | 1 420 | 1 554 | 1 614 | 17.2% | World | 6 539 | 7 036 | 7 937 | 8 781 | 9 384 | 100.0% |
| World | 6 539 | 7 036 | 7 937 | 8 781 | 9 384 | 100.0% | | | | | | | |

TOTAL 2015: 9 384 Mtoe



Mtoe



* non OECD and OECD Asia, excluding China.

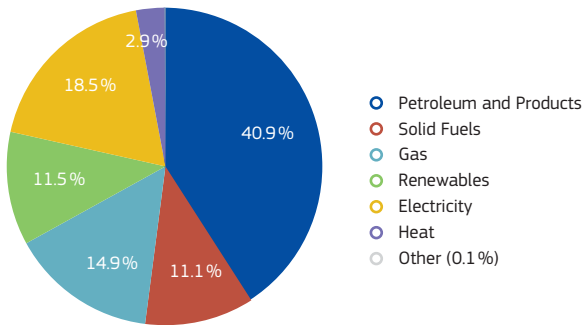
Source: IEA, August 2017

Methodology and Notes: See Appendix 13 – No 1

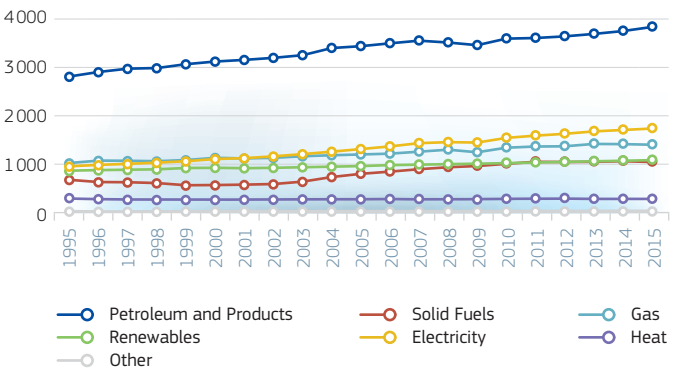
1.1.6 World Final Energy Consumption by Fuel (Mtoe)

| | 1995 | 2000 | 2005 | 2010 | 2015 | 2015 (%) |
|------------------------|--------------|--------------|--------------|--------------|--------------|---------------|
| Petroleum and Products | 2 797 | 3 115 | 3 438 | 3 597 | 3 840 | 40.9% |
| Solid Fuels | 662 | 548 | 792 | 1 005 | 1 044 | 11.1% |
| Gas | 1 006 | 1 117 | 1 190 | 1 337 | 1 401 | 14.9% |
| Renewables | 848 | 910 | 950 | 1 021 | 1 082 | 11.5% |
| Electricity | 936 | 1 092 | 1 302 | 1 540 | 1 737 | 18.5% |
| Heat | 287 | 248 | 260 | 274 | 271 | 2.9% |
| Other | 3 | 7 | 5 | 7 | 9 | 0.1% |
| Total | 6 539 | 7 036 | 7 937 | 8 781 | 9 384 | 100.0% |

TOTAL 2015: 9 384 Mtoe



Mtoe



Source: IEA, August 2017

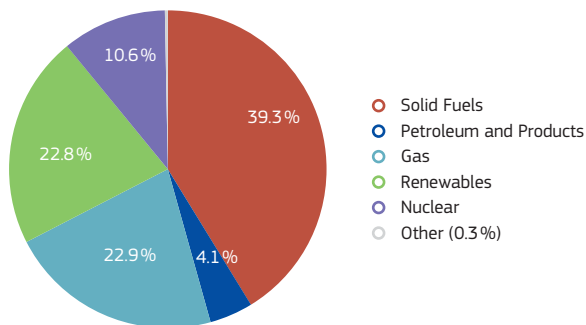
Methodology and Notes: See Appendix 13 – No 1

1.1.7 World Electricity Generation by Fuel

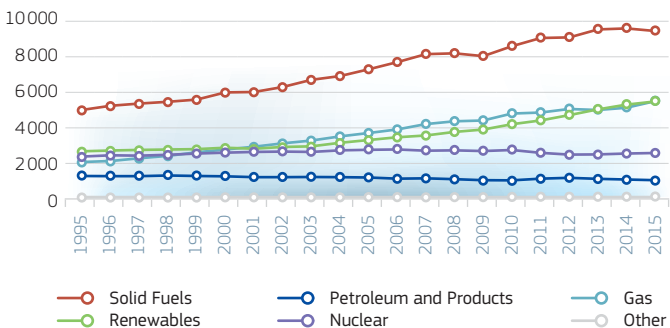
(TWh)

| | 1995 | 2000 | 2005 | 2010 | 2015 | 2015 (%) |
|------------------------|--------------|--------------|--------------|--------------|--------------|---------------|
| Solid Fuels | 4992 | 6005 | 7335 | 8664 | 9538 | 39.3% |
| Petroleum and Products | 1279 | 1252 | 1178 | 982 | 990 | 4.1% |
| Gas | 2022 | 2753 | 3702 | 4828 | 5543 | 22.9% |
| Renewables | 2637 | 2837 | 3295 | 4209 | 5534 | 22.8% |
| Hydro* | 2479 | 2619 | 2935 | 3443 | 3888 | 16.0% |
| Solar/Wind/Other* | 10 | 35 | 120 | 387 | 1111 | 4.6% |
| Biofuels and Waste* | 131 | 164 | 227 | 372 | 528 | 2.2% |
| Geothermal* | 40 | 52 | 58 | 68 | 80 | 0.3% |
| Nuclear | 2332 | 2591 | 2768 | 2756 | 2571 | 10.6% |
| Other | 24 | 34 | 46 | 62 | 78 | 0.3% |
| Total | 13285 | 15471 | 18324 | 21502 | 24255 | 100.0% |

TOTAL 2015: 24255 TWh



TWh



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

Source: IEA, August 2017

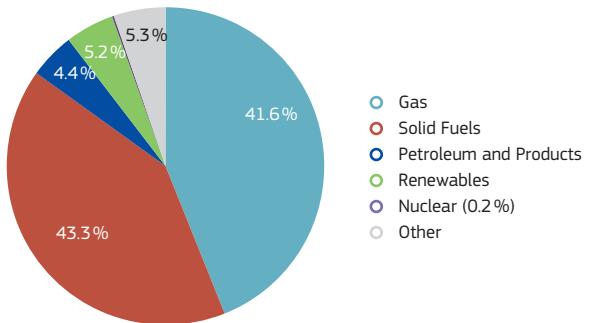
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1.1.8 World Heat Generation by Fuel

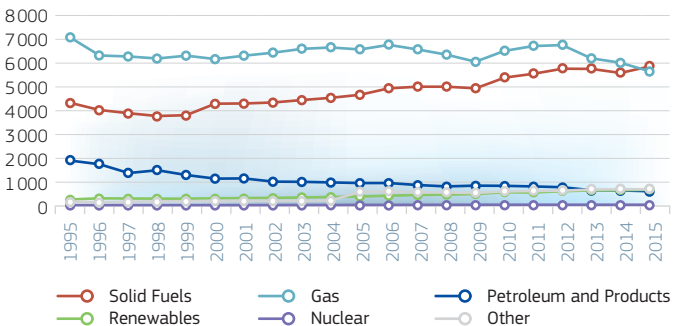
(PJ)

| | 1995 | 2000 | 2005 | 2010 | 2015 | 2015 (%) |
|------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Gas | 7 157 | 6 232 | 6 654 | 6 588 | 5 703 | 41.6% |
| Solid Fuels | 4 367 | 4 332 | 4 720 | 5 456 | 5 941 | 43.3% |
| Petroleum and Products | 1 939 | 1 160 | 965 | 843 | 602 | 4.4% |
| Renewables | 254 | 296 | 395 | 584 | 710 | 5.2% |
| Geothermal* | 17 | 18 | 24 | 26 | 34 | 0.2% |
| Solar/Wind/Other* | 9 | 12 | 386 | 347 | 367 | 2.7% |
| Biofuels and Waste* | 345 | 414 | 530 | 781 | 940 | 6.9% |
| Nuclear | 20 | 19 | 21 | 27 | 26 | 0.2% |
| Other | 162 | 203 | 601 | 635 | 729 | 5.3% |
| Total | 13 900 | 12 242 | 13 355 | 14 135 | 13 711 | 100.0% |

TOTAL 2015: 13 711 PJ



PJ



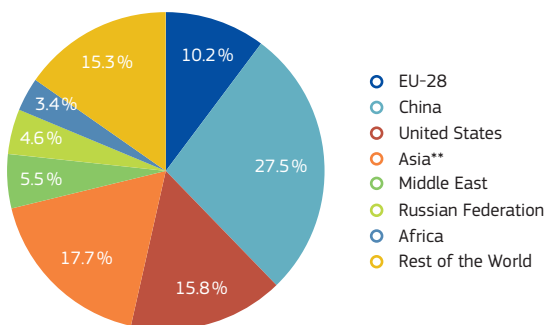
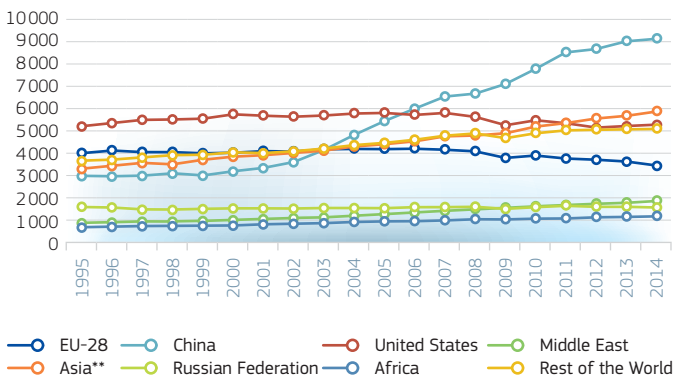
* Partial disaggregation of the Renewables group. Waste also includes non-RES wastes.

Source: IEA, August 2017

Methodology and Notes: See Appendix 13 – No 1

1.1.9 World CO₂ Emissions* by Region(Mio ton CO₂)

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2014 (%) |
|--------------------|-------|-------|-------|-------|-------|----------|
| EU-28 | 4012 | 4036 | 4205 | 3898 | 3425 | 10.2% |
| China | 2951 | 3159 | 5459 | 7848 | 9222 | 27.5% |
| United States | 5211 | 5790 | 5854 | 5496 | 5290 | 15.8% |
| Asia** | 3275 | 3836 | 4412 | 5221 | 5925 | 17.7% |
| Middle East | 816 | 951 | 1229 | 1595 | 1846 | 5.5% |
| Russian Federation | 1562 | 1488 | 1497 | 1552 | 1532 | 4.6% |
| Africa | 614 | 700 | 899 | 1041 | 1148 | 3.4% |
| Rest of the World | 3639 | 4038 | 4480 | 4926 | 5124 | 15.3% |
| World | 22080 | 23997 | 28034 | 31576 | 33511 | 100.0% |

TOTAL 2014: 33 289 Mio ton CO₂Mio ton CO₂* Contains CO₂ emissions from fuel combustion and international maritime and aviation bunkers.

** non OECD and OECD Asia, excluding China.

Source: IEA, August 2017

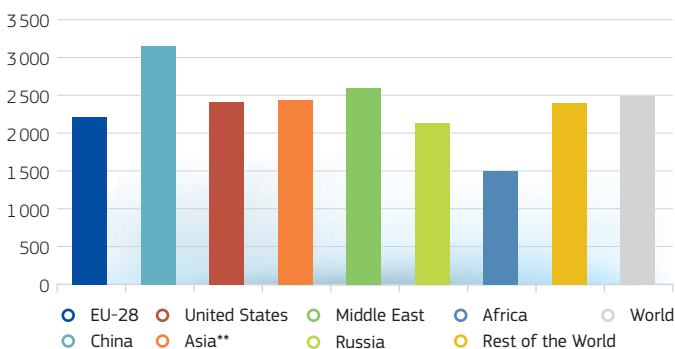
Methodology and Notes: See Appendix 13 – No 1

1.1.10 World CO₂ Intensity* by Region

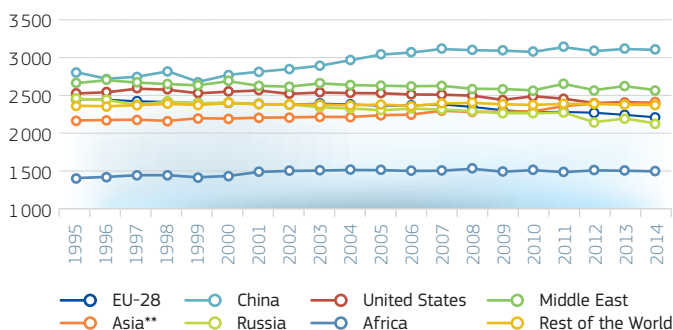
(Kg CO₂ per toe – Average)

| | 1995 | 2000 | 2005 | 2010 | 2013 | 2014 |
|-------------------|------|------|------|------|------|------|
| EU-28 | 2433 | 2381 | 2344 | 2258 | 2221 | 2186 |
| China | 2797 | 2763 | 3043 | 3078 | 3119 | 3107 |
| United States | 2521 | 2547 | 2525 | 2481 | 2395 | 2386 |
| Asia** | 2153 | 2178 | 2225 | 2279 | 2386 | 2406 |
| Middle East | 2661 | 2689 | 2624 | 2556 | 2616 | 2558 |
| Russia | 2454 | 2402 | 2297 | 2255 | 2180 | 2114 |
| Africa | 1383 | 1412 | 1499 | 1498 | 1489 | 1481 |
| Rest of the World | 2350 | 2395 | 2371 | 2364 | 2368 | 2363 |
| World | 2393 | 2393 | 2438 | 2453 | 2474 | 2463 |

WORLD AVERAGE 2014: 2463 Kg CO₂ per toe



Kg CO₂ per toe



* Per Unit of Gross Inland Consumption.

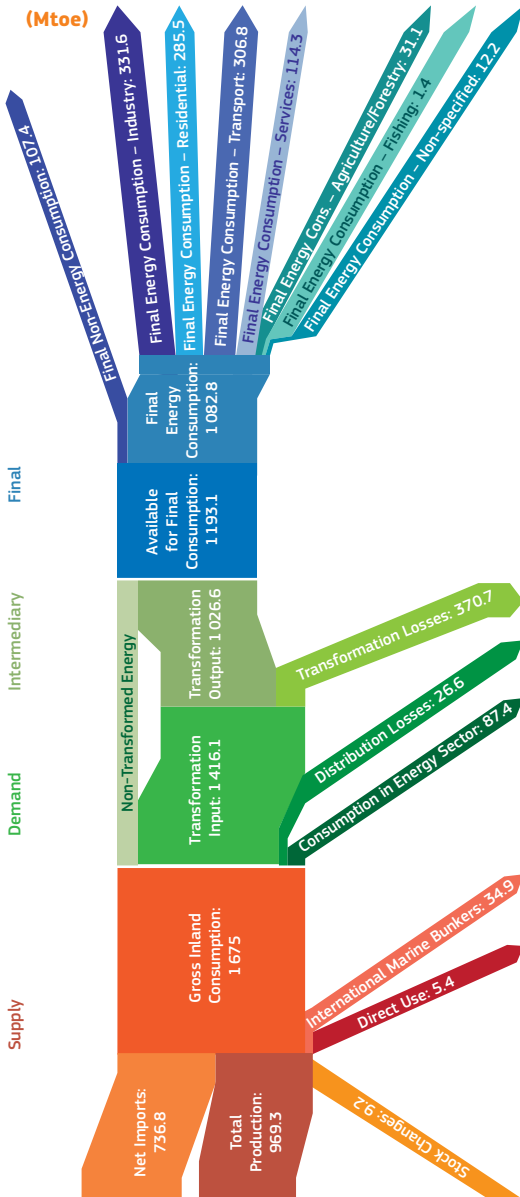
** non OECD and OECD Asia, excluding China.

Source: IEA, August 2017

Methodology and Notes: See Appendix 13 – No 1

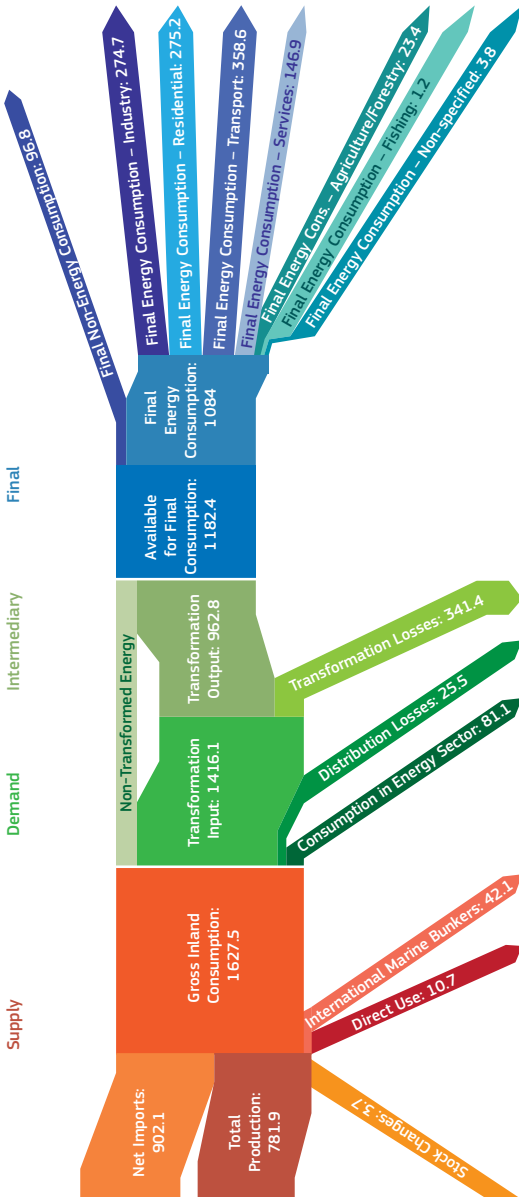
1.2 Energy in the EU (Overview)

1.2.1 EU-28 Energy Flow – 1995



Source: Eurostat, May 2017
 Methodology and Notes: See Appendix 13 – No 1

1.2.2 EU-28 Energy Flow – 2015 (Mtoe)



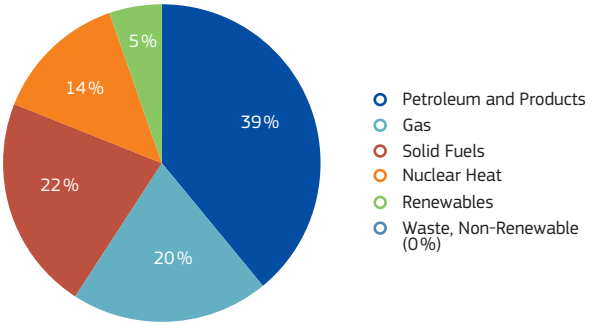
Source: Eurostat, May 2017
Methodology and Notes: See Appendix 13 – No 1

1.2.3 EU-28 Gross Inland Consumption

ENERGY MIX (%) – PRIMARY PRODUCTS ONLY

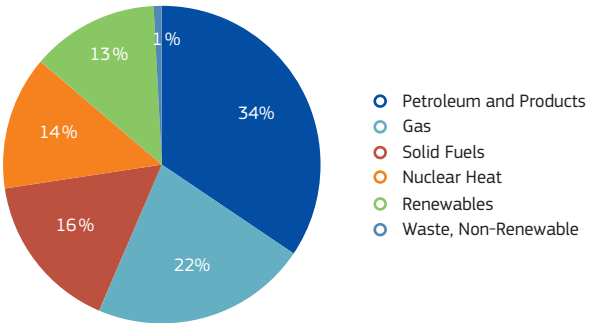
TOTAL PRIMARY 1995: 1 673.2 Mtoe

(Total Primary and Secondary 1995: 1 675 Mtoe)

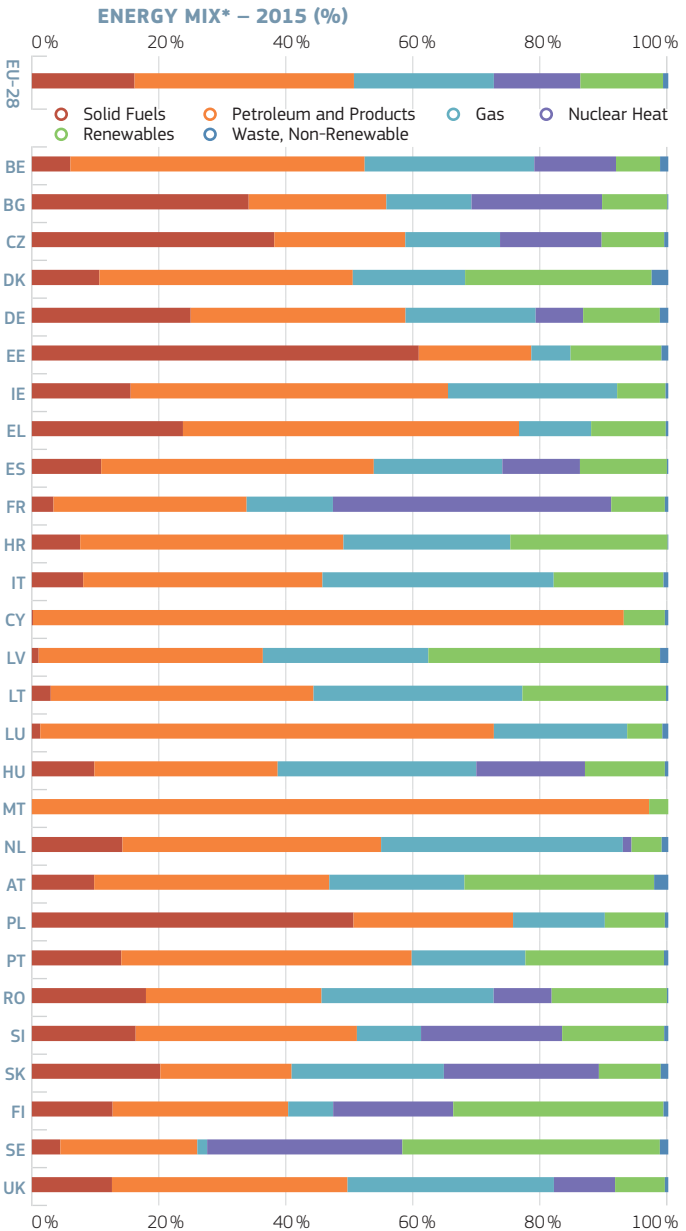


TOTAL PRIMARY 2015: 1 626.2 Mtoe

(Total Primary and Secondary 2015: 1 627.5 Mtoe)



1.2.3 EU-28 Gross Inland Consumption



* Primary Products Only.

Source: Eurostat, May 2017

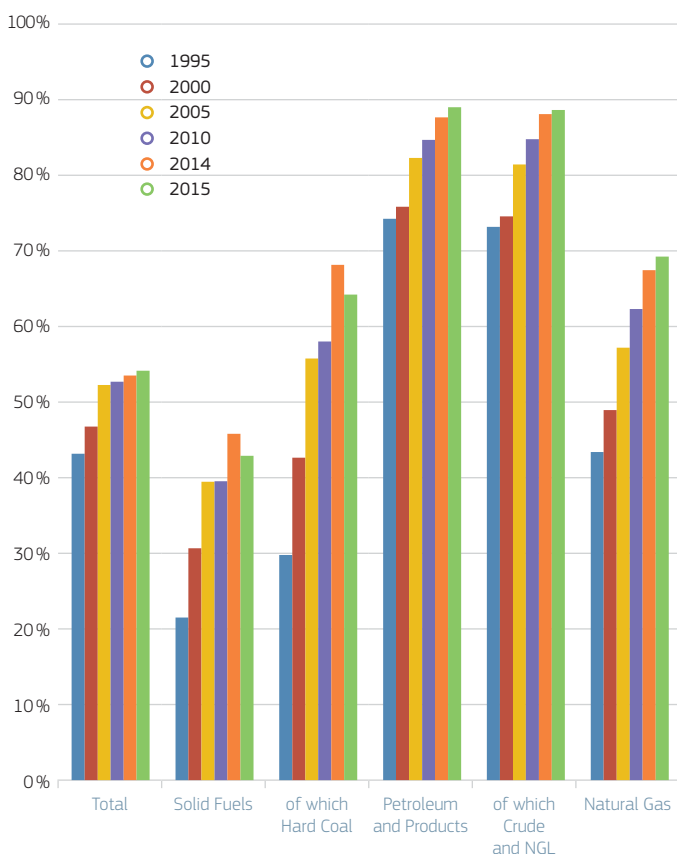
Methodology and Notes: See Appendix 13 – No 1

1.2.4 EU-28 Energy Import Dependency

BY FUEL – (%)

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|------------------------|------|------|------|------|------|------|
| Total | 43.1 | 46.7 | 52.1 | 52.6 | 53.4 | 54.0 |
| Solid Fuels | 21.5 | 30.6 | 39.4 | 39.4 | 45.7 | 42.8 |
| of which Hard Coal | 29.7 | 42.6 | 55.7 | 57.9 | 68.0 | 64.1 |
| Petroleum and Products | 74.1 | 75.7 | 82.1 | 84.5 | 87.5 | 88.8 |
| of which Crude and NGL | 73.0 | 74.4 | 81.3 | 84.6 | 87.9 | 88.4 |
| Natural Gas | 43.3 | 48.8 | 57.1 | 62.2 | 67.3 | 69.1 |

1995-2015 (%)

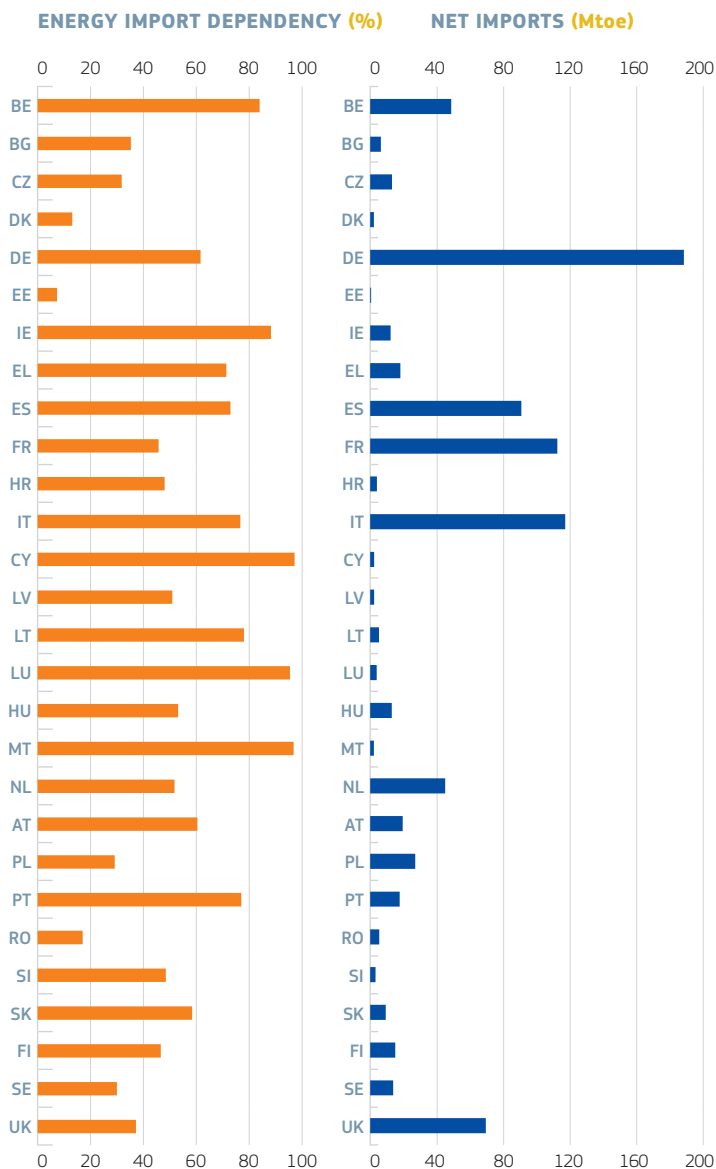


Source: Eurostat, May 2017

Methodology and Notes: [See Appendix 13 – No 1](#)

1.2.5 EU-28 Energy Import Dependency – Net Imports

2015



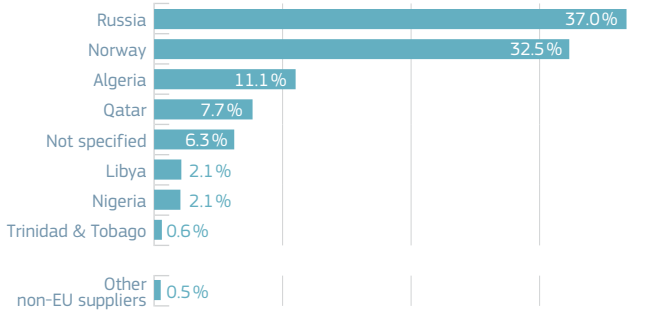
Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 1

1.2.6 EU-28 Imports by Country of Origin

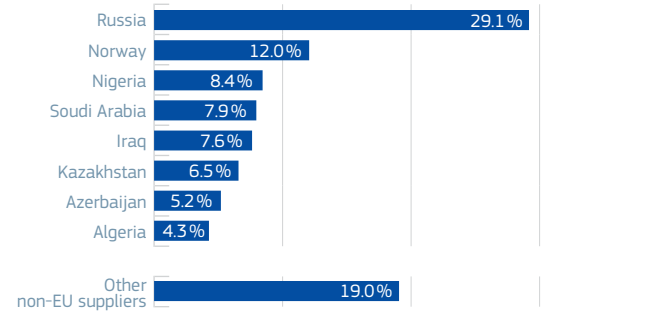
EU-28 IMPORTS* OF NATURAL GAS – 2015

Total non-EU = 12624717 TJ-GCV



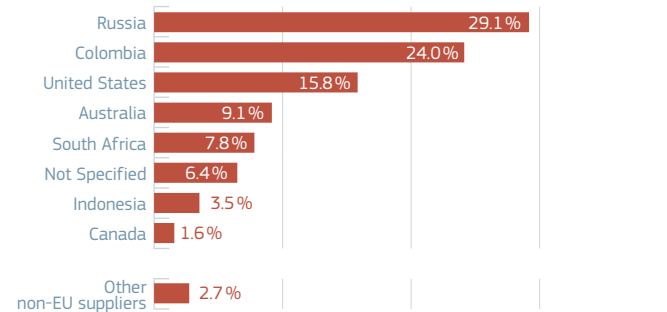
EU-28 IMPORTS* OF CRUDE OIL – 2015

Total non-EU = 526776 kton



EU-28 IMPORTS* OF SOLID FUELS – 2015

Total non-EU = 216921 kton



* From non-EU suppliers and as a share of total non-EU imports.

Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 1

1.3 EU 2020 Targets

1.3.1 Renewable Energy Targets*

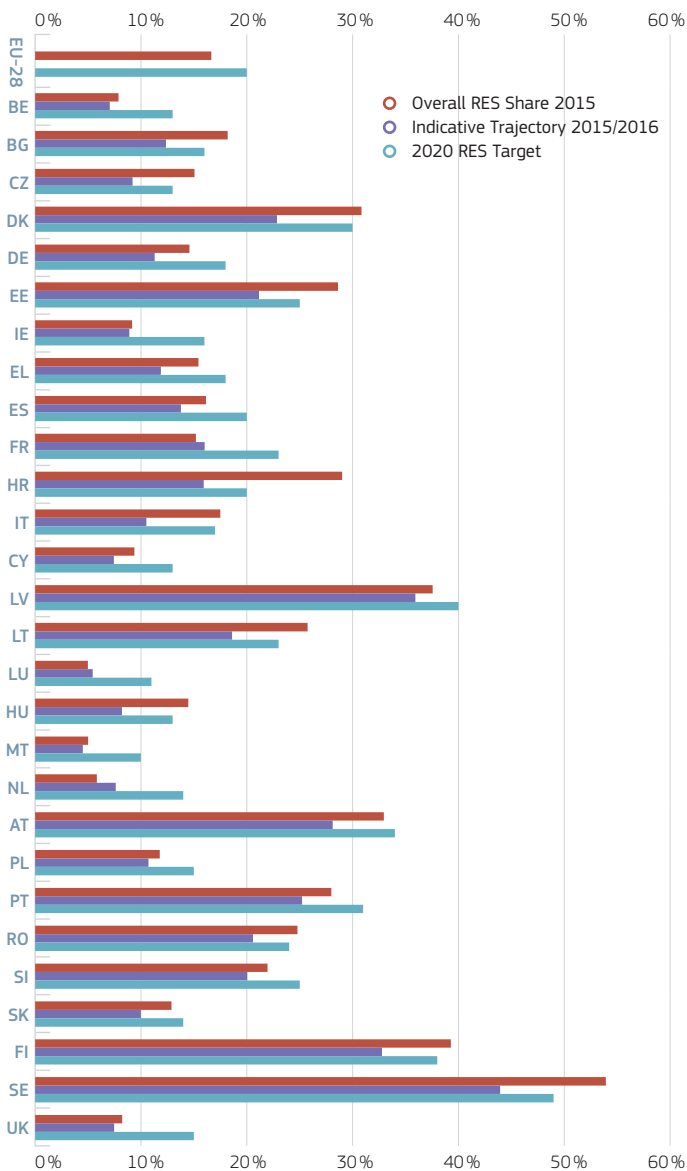
| % EU-28 | 2015 Renewable Energy Shares | | | | Indicative Trajectory 2015/2016 | 2020 RES Target |
|------------|------------------------------|-----------------|-------------------------------|----------------------|------------------------------------|-----------------|
| | RES Transport | RES Electricity | RES Heating and Cooling | Overall RES Share | | |
| EU-28 | 6.7 | 28.8 | 18.6 | 16.7 | n.a. | 20.0 |
| BE | 3.8 | 15.4 | 7.6 | 7.9 | 7.1 | 13.0 |
| BG | 6.5 | 19.1 | 28.6 | 18.2 | 12.4 | 16.0 |
| CZ | 6.5 | 14.1 | 19.8 | 15.1 | 9.2 | 13.0 |
| DK | 6.7 | 51.3 | 39.6 | 30.8 | 22.9 | 30.0 |
| DE | 6.8 | 30.7 | 12.9 | 14.6 | 11.3 | 18.0 |
| EE | 0.4 | 15.1 | 49.6 | 28.6 | 21.2 | 25.0 |
| IE | 6.5 | 25.2 | 6.4 | 9.2 | 8.9 | 16.0 |
| EL | 1.4 | 22.1 | 25.9 | 15.4 | 11.9 | 18.0 |
| ES | 1.7 | 36.9 | 16.8 | 16.2 | 13.8 | 20.0 |
| FR | 8.5 | 18.8 | 19.8 | 15.2 | 16.0 | 23.0 |
| HR | 3.5 | 45.4 | 38.6 | 29.0 | 15.9 | 20.0 |
| IT | 6.4 | 33.5 | 19.2 | 17.5 | 10.5 | 17.0 |
| CY | 2.5 | 8.4 | 22.5 | 9.4 | 7.4 | 13.0 |
| LV | 3.9 | 52.2 | 51.8 | 37.6 | 35.9 | 40.0 |
| LT | 4.6 | 15.5 | 46.1 | 25.8 | 18.6 | 23.0 |
| LU | 6.5 | 6.2 | 6.9 | 5.0 | 5.4 | 11.0 |
| HU | 6.2 | 7.3 | 21.3 | 14.5 | 8.2 | 13.0 |
| MT | 4.7 | 4.2 | 14.1 | 5.0 | 4.5 | 10.0 |
| NL | 5.3 | 11.1 | 5.5 | 5.8 | 7.6 | 14.0 |
| AT | 11.4 | 70.3 | 32.0 | 33.0 | 28.1 | 34.0 |
| PL | 6.4 | 13.4 | 14.3 | 11.8 | 10.7 | 15.0 |
| PT | 7.4 | 52.6 | 33.4 | 28.0 | 25.2 | 31.0 |
| RO | 5.5 | 43.2 | 25.9 | 24.8 | 20.6 | 24.0 |
| SI | 2.2 | 32.7 | 34.1 | 22.0 | 20.1 | 25.0 |
| SK | 8.5 | 22.7 | 10.8 | 12.9 | 10.0 | 14.0 |
| FI | 22.0 | 32.5 | 52.8 | 39.3 | 32.8 | 38.0 |
| SE | 24.0 | 65.8 | 68.6 | 53.9 | 43.9 | 49.0 |
| UK | 4.4 | 22.4 | 5.5 | 8.2 | 7.5 | 15.0 |

* In % of the Gross Final Energy Consumption.

Source: Eurostat-SHARES, March 2017
Methodology and Notes: [See Appendix 13 – No 1](#)

1.3.1 Renewable Energy Targets*

OVERALL RENEWABLE ENERGY SHARE 2015 (%)

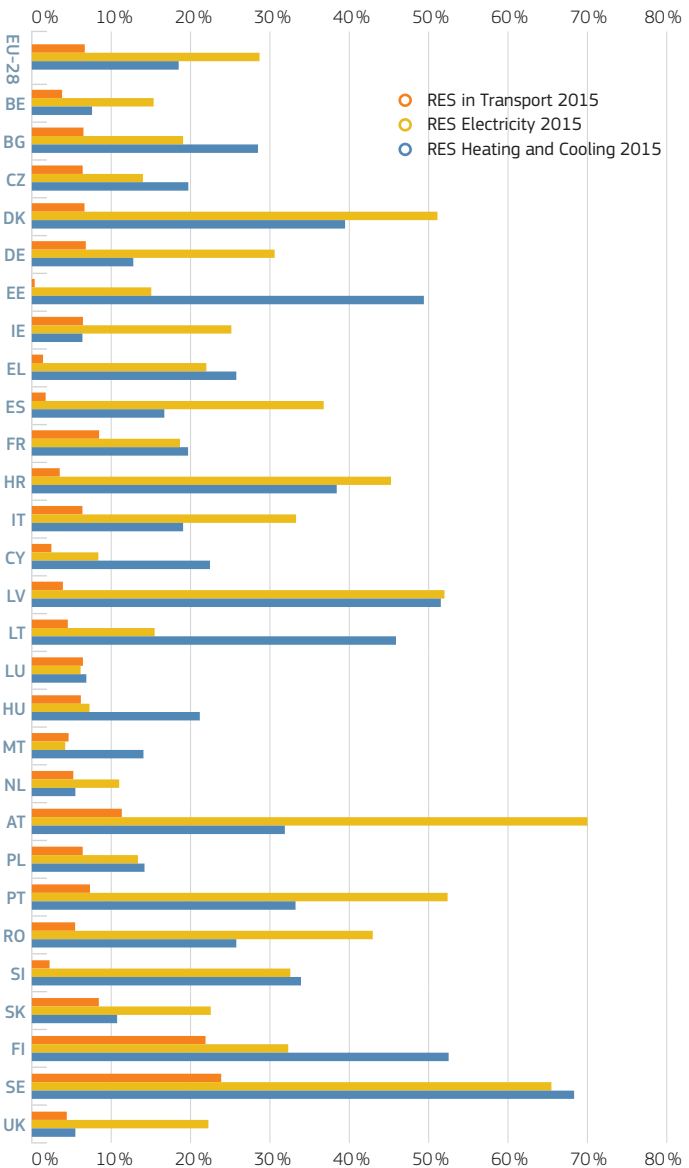


* In Gross Final Energy Consumption.

Source: Eurostat-SHARES, March 2017
Methodology and Notes: See Appendix 13 – No 1

1.3.2 Renewable Energy Shares*

RES SHARES IN HEATING AND COOLING, ELECTRICITY, AND TRANSPORT – 2015 (%)



* In Gross Final Energy Consumption.

Source: Eurostat-SHARES, March 2017
Methodology and Notes: See Appendix 13 – No 1

1.3.3 GHG Emissions Targets*

EMISSIONS COMPARED TO 1990

| Index 100=1990 | 1990 | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|----------------|-------|-------|-------|-------|-------|-------|-------|
| EU-28 | 100.0 | 94.1 | 92.2 | 93.5 | 85.9 | 77.4 | 77.9 |
| BE | 100.0 | 105.7 | 103.6 | 99.9 | 91.8 | 79.4 | 81.8 |
| BG | 100.0 | 72.2 | 57.1 | 61.6 | 58.3 | 55.6 | 59.4 |
| CZ | 100.0 | 79.4 | 75.6 | 74.9 | 70.8 | 64.2 | 64.9 |
| DK | 100.0 | 111.1 | 101.4 | 95.6 | 91.0 | 74.2 | 70.7 |
| DE | 100.0 | 89.9 | 84.1 | 80.4 | 76.5 | 73.5 | 73.4 |
| EE | 100.0 | 50.0 | 42.9 | 47.7 | 52.5 | 52.3 | 44.7 |
| IE | 100.0 | 106.6 | 124.0 | 126.8 | 112.0 | 104.9 | 109.2 |
| EL | 100.0 | 105.9 | 122.1 | 131.6 | 114.5 | 96.8 | 93.4 |
| ES | 100.0 | 114.2 | 134.9 | 153.9 | 125.9 | 115.3 | 119.4 |
| FR | 100.0 | 99.8 | 101.9 | 102.4 | 95.0 | 84.6 | 85.4 |
| HR | 100.0 | 71.3 | 80.4 | 93.4 | 87.3 | 74.0 | 75.4 |
| IT | 100.0 | 102.4 | 107.0 | 112.3 | 98.1 | 82.5 | 84.5 |
| CY | 100.0 | 123.5 | 144.1 | 159.7 | 163.8 | 144.7 | 144.5 |
| LV | 100.0 | 48.5 | 39.6 | 43.5 | 47.6 | 43.7 | 44.1 |
| LT | 100.0 | 46.3 | 40.6 | 47.9 | 43.2 | 41.5 | 42.0 |
| LU | 100.0 | 81.0 | 80.8 | 108.8 | 102.6 | 91.4 | 88.9 |
| HU | 100.0 | 80.5 | 78.6 | 81.1 | 70.1 | 61.9 | 65.3 |
| MT | 100.0 | 111.5 | 116.6 | 126.5 | 128.0 | 125.7 | 99.2 |
| NL | 100.0 | 105.8 | 101.6 | 99.7 | 99.3 | 87.8 | 91.4 |
| AT | 100.0 | 101.8 | 103.2 | 118.7 | 109.3 | 98.3 | 101.6 |
| PL | 100.0 | 93.9 | 83.5 | 85.3 | 87.2 | 82.1 | 82.8 |
| PT | 100.0 | 117.3 | 138.3 | 144.9 | 118.0 | 110.2 | 117.9 |
| RO | 100.0 | 73.6 | 56.9 | 59.4 | 49.1 | 47.0 | 47.7 |
| SI | 100.0 | 100.7 | 102.8 | 110.3 | 105.5 | 89.5 | 90.7 |
| SK | 100.0 | 73.1 | 67.0 | 69.2 | 62.7 | 54.7 | 55.6 |
| FI | 100.0 | 100.6 | 98.3 | 98.0 | 106.9 | 84.5 | 79.6 |
| SE | 100.0 | 103.1 | 96.8 | 94.3 | 91.4 | 76.9 | 76.6 |
| UK | 100.0 | 94.7 | 91.4 | 89.6 | 79.6 | 68.7 | 66.4 |

* Emissions of the Kyoto basket of GHG.

Source: Eurostat, May 2017

Methodology and Notes: [See Appendix 13 – No 1](#)



Energy in the EU

PART 2



Summary

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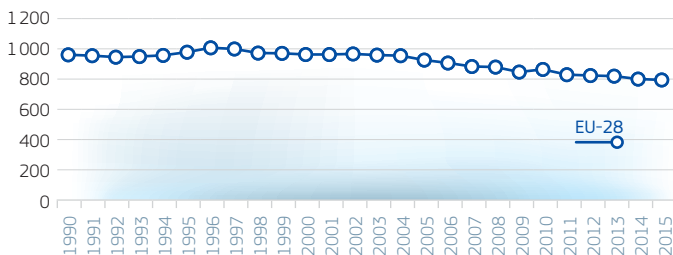
2.1 Energy Supply

2.1.1 Production*

ALL FUELS

| Mtoe | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|------------|--------|--------|--------|--------|--------|--------|
| EU-28 | 969.3 | 952.1 | 914.6 | 851.6 | 788.3 | 781.9 |
| Index 1995 | 100 % | 98 % | 94 % | 88 % | 81 % | 81 % |
| BE | 11.83 | 13.61 | 13.72 | 16.19 | 13.32 | 11.59 |
| BG | 10.27 | 9.87 | 10.70 | 10.53 | 11.31 | 12.13 |
| CZ | 32.69 | 30.81 | 33.17 | 32.03 | 29.81 | 29.05 |
| DK | 16.26 | 28.77 | 30.78 | 22.92 | 15.75 | 15.72 |
| DE | 145.26 | 135.60 | 139.11 | 133.04 | 124.69 | 124.23 |
| EE | 3.89 | 3.55 | 4.39 | 5.60 | 6.58 | 6.50 |
| IE | 4.10 | 2.16 | 1.65 | 1.88 | 2.12 | 2.00 |
| EL | 9.36 | 10.01 | 10.33 | 9.46 | 8.85 | 8.51 |
| ES | 31.43 | 31.49 | 30.09 | 34.53 | 35.10 | 33.60 |
| FR | 127.36 | 130.14 | 136.20 | 134.90 | 136.94 | 137.56 |
| HR | 5.00 | 4.26 | 4.75 | 5.16 | 4.43 | 4.47 |
| IT | 29.83 | 28.49 | 30.33 | 33.07 | 36.81 | 36.13 |
| CY | 0.04 | 0.04 | 0.05 | 0.09 | 0.12 | 0.13 |
| LV | 1.43 | 1.47 | 1.87 | 1.98 | 2.38 | 2.35 |
| LT | 3.78 | 3.28 | 3.96 | 1.33 | 1.50 | 1.61 |
| LU | 0.05 | 0.06 | 0.11 | 0.12 | 0.16 | 0.15 |
| HU | 13.90 | 11.60 | 10.37 | 11.92 | 11.09 | 11.28 |
| MT | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 |
| NL | 70.07 | 61.95 | 66.86 | 74.42 | 62.99 | 51.99 |
| AT | 8.77 | 9.79 | 9.80 | 11.85 | 11.97 | 11.93 |
| PL | 99.38 | 79.59 | 78.59 | 67.39 | 67.91 | 68.33 |
| PT | 3.38 | 3.89 | 3.62 | 5.80 | 6.19 | 5.51 |
| RO | 32.31 | 28.47 | 28.22 | 27.82 | 26.66 | 26.74 |
| SI | 2.96 | 3.09 | 3.49 | 3.78 | 3.67 | 3.40 |
| SK | 5.06 | 6.39 | 6.68 | 6.35 | 6.72 | 6.74 |
| FI | 13.13 | 15.16 | 16.95 | 17.99 | 18.72 | 18.17 |
| SE | 31.38 | 30.05 | 34.26 | 32.76 | 34.31 | 33.81 |
| UK | 256.46 | 268.55 | 204.60 | 148.77 | 108.16 | 118.27 |

PRODUCTION – ALL FUELS – 1990-2015 (Mtoe)



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

Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.1.1 Production*

BY FUEL

| | 2015 | | | | | |
|-------------|---------|-------------|------------|-------|------------------------|-----------------------|
| | Nuclear | Solid Fuels | Renewables | Gases | Petroleum and Products | Wastes, Non-Renewable |
| Mtoe | | | | | | |
| EU-28 | 221.2 | 145.4 | 205.0 | 107.9 | 89.3 | 13.0 |
| Share (%) | 28.3% | 18.6% | 26.2% | 13.8% | 11.4% | 1.7% |
| BE | 6.73 | 0.01 | 2.96 | 0.00 | 1.22 | 0.68 |
| BG | 3.98 | 5.87 | 2.03 | 0.09 | 0.14 | 0.03 |
| CZ | 6.95 | 17.06 | 4.28 | 0.21 | 0.28 | 0.28 |
| DK | 0.00 | 0.00 | 3.53 | 4.16 | 7.66 | 0.38 |
| DE | 23.68 | 43.00 | 38.89 | 6.34 | 8.08 | 4.25 |
| EE | 0.00 | 4.20 | 1.29 | 0.00 | 0.95 | 0.07 |
| IE | 0.00 | 0.76 | 0.98 | 0.11 | 0.09 | 0.06 |
| EL | 0.00 | 5.68 | 2.64 | 0.01 | 0.10 | 0.09 |
| ES | 14.78 | 1.25 | 16.87 | 0.05 | 0.40 | 0.25 |
| FR | 112.84 | 0.00 | 21.42 | 0.03 | 1.94 | 1.35 |
| HR | 0.00 | 0.00 | 2.23 | 1.47 | 0.76 | 0.01 |
| IT | 0.00 | 0.05 | 23.56 | 5.55 | 5.82 | 1.15 |
| CY | 0.00 | 0.00 | 0.12 | 0.00 | 0.01 | 0.00 |
| LV | 0.00 | 0.00 | 2.33 | 0.00 | 0.01 | 0.01 |
| LT | 0.00 | 0.02 | 1.47 | 0.00 | 0.10 | 0.02 |
| LU | 0.00 | 0.00 | 0.11 | 0.01 | 0.00 | 0.03 |
| HU | 4.10 | 1.52 | 3.24 | 1.37 | 0.94 | 0.11 |
| MT | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 |
| NL | 1.05 | 0.00 | 4.81 | 39.26 | 6.17 | 0.69 |
| AT | 0.00 | 0.00 | 9.30 | 1.04 | 0.87 | 0.73 |
| PL | 0.00 | 53.87 | 8.64 | 3.68 | 1.62 | 0.52 |
| PT | 0.00 | 0.00 | 5.18 | 0.00 | 0.20 | 0.12 |
| RO | 3.00 | 4.71 | 5.94 | 8.79 | 4.24 | 0.07 |
| SI | 1.46 | 0.86 | 1.03 | 0.00 | 0.00 | 0.04 |
| SK | 3.95 | 0.50 | 1.59 | 0.08 | 0.43 | 0.19 |
| FI | 6.00 | 0.84 | 10.39 | 0.01 | 0.70 | 0.24 |
| SE | 14.54 | 0.11 | 18.37 | 0.01 | 0.16 | 0.62 |
| UK | 18.15 | 5.12 | 11.84 | 35.66 | 46.48 | 1.04 |

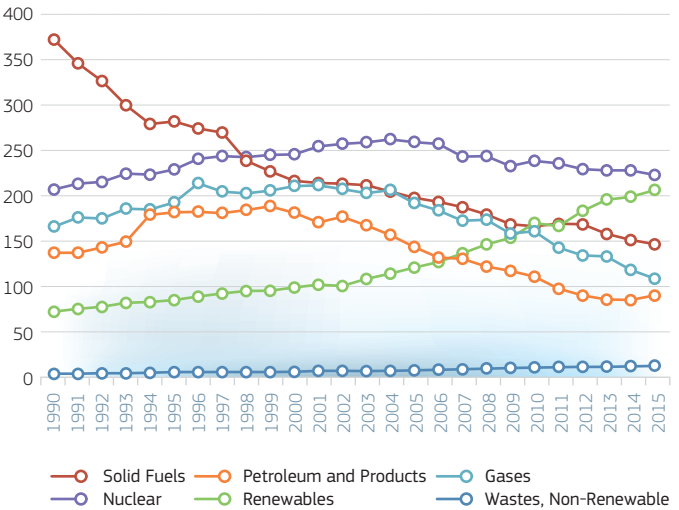
* Primary Production and Receipt, Production from Other Sources and Recycled Products.

Source: Eurostat, May 2017

Methodology and Notes: [See Appendix 13 – No 2](#)

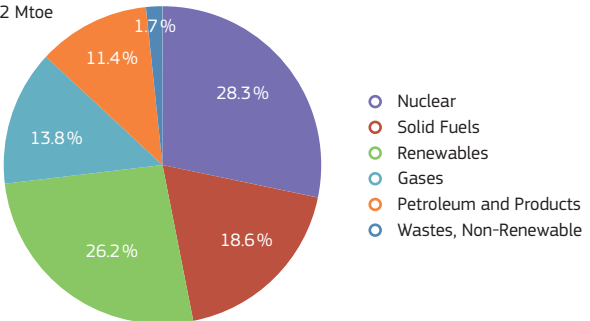
2.1.1 Production*

BY FUEL – EU-28 – 1990-2015 (Mtoe)



PRODUCTION – BY FUEL – EU-28 – 2015 (% OF TOTAL)

Total = 782 Mtoe



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

Source: Eurostat, May 2017

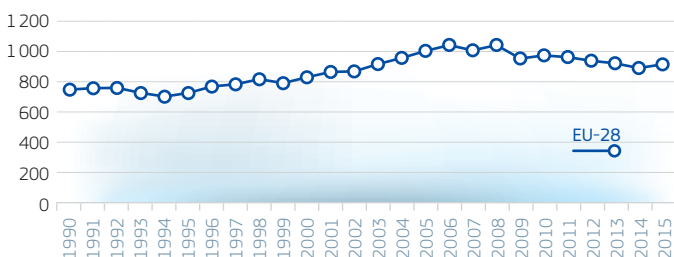
Methodology and Notes: See Appendix 13 – No 2

2.1.2 Net Imports

ALL FUELS

| Mtoe | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|------------|--------|--------|--------|--------|--------|--------|
| EU-28 | 736.76 | 827.10 | 980.19 | 953.73 | 881.24 | 902.12 |
| Index 1995 | 100% | 112% | 133% | 129% | 120% | 122% |
| BE | 46.64 | 50.50 | 53.43 | 53.56 | 47.13 | 50.63 |
| BG | 12.83 | 8.54 | 9.28 | 7.08 | 6.16 | 6.59 |
| CZ | 8.60 | 9.41 | 12.64 | 11.59 | 12.79 | 13.54 |
| DK | 7.27 | -7.37 | -10.13 | -3.25 | 2.15 | 2.30 |
| DE | 195.18 | 204.71 | 208.19 | 201.99 | 194.75 | 196.02 |
| EE | 1.81 | 1.63 | 1.50 | 0.87 | 0.62 | 0.48 |
| IE | 7.77 | 12.37 | 13.77 | 13.21 | 11.68 | 12.72 |
| EL | 18.29 | 22.15 | 23.50 | 21.72 | 17.36 | 18.81 |
| ES | 75.42 | 99.34 | 123.83 | 106.34 | 90.66 | 94.43 |
| FR | 117.06 | 134.08 | 143.96 | 131.95 | 115.33 | 116.84 |
| HR | 2.85 | 4.08 | 5.15 | 4.39 | 3.59 | 4.12 |
| IT | 134.50 | 152.07 | 160.37 | 149.46 | 116.12 | 121.83 |
| CY | 2.04 | 2.57 | 2.84 | 2.94 | 2.29 | 2.45 |
| LV | 3.36 | 2.36 | 3.10 | 2.22 | 1.90 | 2.37 |
| LT | 5.54 | 4.25 | 5.03 | 5.67 | 5.23 | 5.48 |
| LU | 3.25 | 3.64 | 4.68 | 4.51 | 4.07 | 4.01 |
| HU | 12.55 | 13.96 | 17.42 | 15.00 | 14.12 | 13.45 |
| MT | 0.84 | 1.46 | 1.63 | 2.37 | 2.05 | 2.23 |
| NL | 17.32 | 34.67 | 37.58 | 29.91 | 29.60 | 46.79 |
| AT | 18.02 | 19.01 | 24.52 | 21.57 | 21.48 | 20.21 |
| PL | -1.16 | 8.77 | 15.94 | 31.53 | 27.05 | 28.02 |
| PT | 18.02 | 22.07 | 24.85 | 18.59 | 16.15 | 18.30 |
| RO | 14.03 | 7.99 | 10.84 | 7.83 | 5.50 | 5.54 |
| SI | 3.09 | 3.41 | 3.86 | 3.58 | 2.99 | 3.23 |
| SK | 12.14 | 12.00 | 12.43 | 11.26 | 9.86 | 9.64 |
| FI | 15.91 | 18.22 | 18.95 | 17.84 | 17.06 | 15.66 |
| SE | 20.43 | 20.44 | 19.46 | 19.29 | 15.99 | 14.24 |
| UK | -36.83 | -39.22 | 31.61 | 60.74 | 87.58 | 72.19 |

NET IMPORTS – ALL FUELS – 1990-2015 (Mtoe)



Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.1.2 Net Imports

BY FUEL

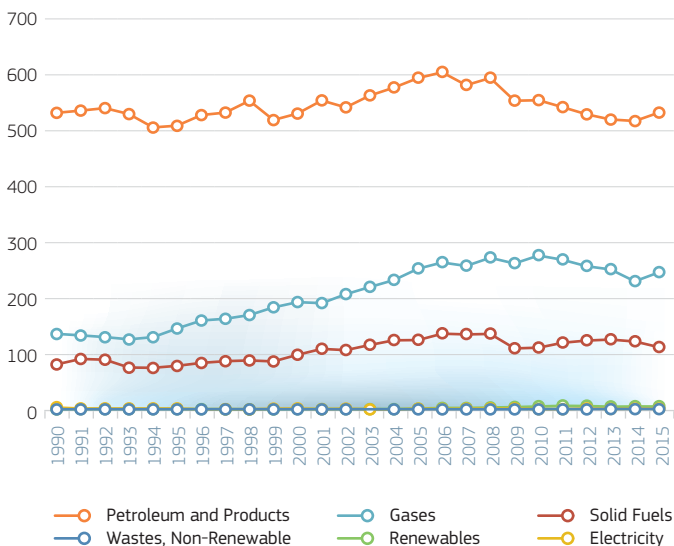
| | 2015 | | | | | |
|-------------|-------------|------------------------|-------|-------------|------------|-------------|
| | Net imports | Petroleum and Products | Gases | Solid Fuels | Renewables | Electricity |
| Mtoe | | | | | | |
| EU-28 | 902.1 | 534.9 | 247.3 | 112.4 | 6.0 | 1.2 |
| Share (%) | 100% | 59.3% | 27.4% | 12.5% | 0.7% | 0.1% |
| BE | 50.63 | 31.18 | 13.87 | 3.10 | 0.68 | 1.81 |
| BG | 6.59 | 4.25 | 2.52 | 0.74 | -0.02 | -0.91 |
| CZ | 13.54 | 8.75 | 6.16 | -0.29 | -0.01 | -1.08 |
| DK | 2.30 | 0.42 | -1.38 | 1.47 | 1.23 | 0.51 |
| DE | 196.02 | 105.86 | 58.68 | 36.17 | -0.53 | -4.15 |
| EE | 0.48 | 0.55 | 0.39 | -0.01 | -0.37 | -0.08 |
| IE | 12.72 | 7.49 | 3.62 | 1.46 | 0.09 | 0.06 |
| EL | 18.81 | 15.02 | 2.67 | 0.16 | 0.13 | 0.83 |
| ES | 94.43 | 60.70 | 23.78 | 10.36 | -0.40 | -0.01 |
| FR | 116.84 | 78.65 | 34.59 | 8.69 | 0.43 | -5.51 |
| HR | 4.12 | 2.62 | 0.56 | 0.62 | -0.27 | 0.58 |
| IT | 121.83 | 52.83 | 50.00 | 12.32 | 2.69 | 3.99 |
| CY | 2.45 | 2.42 | 0.00 | 0.00 | 0.03 | 0.00 |
| LV | 2.37 | 1.79 | 1.08 | 0.04 | -0.74 | 0.16 |
| LT | 5.48 | 2.69 | 2.06 | 0.16 | -0.06 | 0.62 |
| LU | 4.01 | 2.62 | 0.77 | 0.05 | 0.09 | 0.48 |
| HU | 13.45 | 6.45 | 5.22 | 0.80 | -0.22 | 1.18 |
| MT | 2.23 | 2.13 | 0.00 | 0.00 | 0.01 | 0.09 |
| NL | 46.79 | 44.17 | -9.37 | 12.30 | -1.18 | 0.75 |
| AT | 20.21 | 11.25 | 4.99 | 2.71 | 0.41 | 0.87 |
| PL | 28.02 | 23.35 | 9.95 | -5.61 | 0.36 | -0.03 |
| PT | 18.30 | 11.01 | 4.07 | 3.21 | -0.21 | 0.19 |
| RO | 5.54 | 4.89 | 0.16 | 1.03 | 0.04 | -0.58 |
| SI | 3.23 | 2.34 | 0.66 | 0.20 | 0.03 | 0.00 |
| SK | 9.64 | 2.99 | 3.69 | 2.77 | -0.02 | 0.21 |
| FI | 15.66 | 9.46 | 2.24 | 2.46 | 0.09 | 1.41 |
| SE | 14.24 | 12.68 | 0.72 | 1.95 | 0.83 | -1.94 |
| UK | 72.19 | 26.33 | 25.60 | 15.57 | 2.89 | 1.80 |

Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

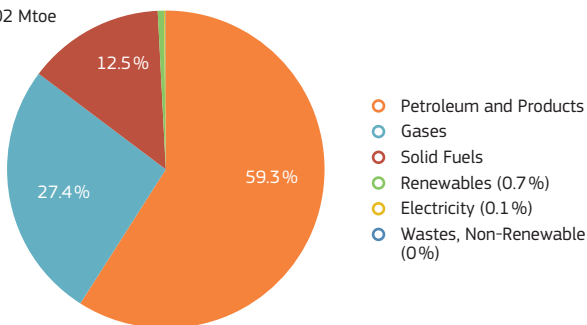
2.1.2 Net Imports

BY FUEL – EU-28 – 1990-2015 (Mtoe)



NET IMPORTS – BY FUEL – EU-28 – 2015 (% TOTAL)

Total = 902 Mtoe



Source: Eurostat, May 2017

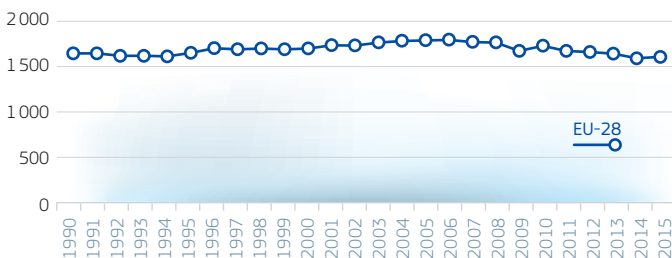
Methodology and Notes: See Appendix 13 – No 2

2.1.3 Gross Inland Consumption

ALL FUELS

| Mtoe | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|------------|---------|---------|---------|---------|---------|---------|
| EU-28 | 1675.00 | 1730.11 | 1830.86 | 1764.37 | 1607.75 | 1627.48 |
| Index 1995 | 100% | 103% | 109% | 105% | 96% | 97% |
| BE | 53.83 | 59.30 | 59.06 | 60.90 | 53.55 | 54.22 |
| BG | 22.69 | 18.52 | 19.75 | 17.77 | 17.74 | 18.51 |
| CZ | 41.94 | 41.37 | 45.43 | 45.43 | 42.24 | 42.44 |
| DK | 20.20 | 19.74 | 19.56 | 20.04 | 16.80 | 16.77 |
| DE | 341.64 | 342.33 | 341.93 | 332.49 | 313.24 | 314.20 |
| EE | 5.53 | 4.97 | 5.62 | 6.15 | 6.68 | 6.26 |
| IE | 11.07 | 14.43 | 15.27 | 15.17 | 13.56 | 14.18 |
| EL | 23.87 | 28.29 | 31.41 | 28.72 | 24.37 | 24.45 |
| ES | 102.08 | 123.64 | 144.22 | 130.25 | 116.68 | 121.42 |
| FR | 241.78 | 257.54 | 276.38 | 266.89 | 248.45 | 252.62 |
| HR | 7.86 | 8.42 | 9.78 | 9.43 | 8.20 | 8.53 |
| IT | 161.77 | 174.22 | 190.08 | 177.93 | 151.03 | 156.17 |
| CY | 1.97 | 2.41 | 2.54 | 2.74 | 2.23 | 2.27 |
| LV | 4.62 | 3.86 | 4.59 | 4.63 | 4.45 | 4.38 |
| LT | 8.64 | 7.06 | 8.71 | 6.79 | 6.70 | 6.91 |
| LU | 3.32 | 3.65 | 4.80 | 4.64 | 4.22 | 4.18 |
| HU | 26.18 | 25.30 | 27.61 | 26.60 | 23.82 | 25.20 |
| MT | 0.76 | 0.80 | 0.97 | 0.94 | 0.89 | 0.76 |
| NL | 75.52 | 78.02 | 84.11 | 85.78 | 76.36 | 77.56 |
| AT | 27.11 | 29.02 | 34.13 | 34.29 | 32.47 | 33.25 |
| PL | 98.83 | 88.65 | 92.22 | 100.68 | 94.33 | 95.43 |
| PT | 20.64 | 25.29 | 27.48 | 24.28 | 22.09 | 23.00 |
| RO | 46.31 | 36.65 | 39.21 | 35.80 | 32.16 | 32.41 |
| SI | 6.07 | 6.45 | 7.33 | 7.34 | 6.65 | 6.58 |
| SK | 17.72 | 18.30 | 19.03 | 17.86 | 16.18 | 16.43 |
| FI | 29.36 | 32.41 | 34.50 | 37.11 | 34.77 | 33.16 |
| SE | 51.47 | 48.90 | 50.99 | 50.78 | 48.21 | 45.47 |
| UK | 222.25 | 230.56 | 234.17 | 212.95 | 189.71 | 190.75 |

GROSS INLAND CONSUMPTION – ALL FUELS – 1990-2015 (Mtoe)



Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.1.3 Gross Inland Consumption

BY FUEL

| | 2015 | | | | | | |
|-------------|------------------------|-------|-------------|---------|------------|----------------------|-------------|
| | Petroleum and Products | Gases | Solid Fuels | Nuclear | Renewables | Waste, Non-Renewable | Electricity |
| Mtoe | | | | | | | |
| EU-28 | 560.1 | 357.9 | 262.7 | 221.2 | 211.0 | 13.3 | 1.2 |
| Share (%) | 34.4% | 22.0% | 16.1% | 13.6% | 13.0% | 0.8% | 0.1% |
| BE | 24.22 | 13.97 | 3.18 | 6.73 | 3.63 | 0.68 | 1.81 |
| BG | 4.20 | 2.60 | 6.62 | 3.98 | 1.99 | 0.03 | -0.91 |
| CZ | 8.96 | 6.48 | 16.58 | 6.95 | 4.28 | 0.28 | -1.08 |
| DK | 6.47 | 2.87 | 1.73 | 0.00 | 4.76 | 0.43 | 0.51 |
| DE | 107.41 | 65.15 | 79.52 | 23.68 | 38.35 | 4.25 | -4.15 |
| EE | 1.12 | 0.39 | 3.85 | 0.00 | 0.91 | 0.07 | -0.08 |
| IE | 7.04 | 3.75 | 2.19 | 0.00 | 1.07 | 0.06 | 0.06 |
| EL | 12.48 | 2.68 | 5.61 | 0.00 | 2.78 | 0.09 | 0.83 |
| ES | 52.00 | 24.54 | 13.24 | 14.78 | 16.62 | 0.25 | -0.01 |
| FR | 78.26 | 35.05 | 8.83 | 112.84 | 21.81 | 1.35 | -5.51 |
| HR | 3.28 | 2.08 | 0.61 | 0.00 | 1.96 | 0.01 | 0.58 |
| IT | 57.16 | 55.30 | 12.30 | 0.00 | 26.27 | 1.15 | 3.99 |
| CY | 2.11 | 0.00 | 0.00 | 0.00 | 0.15 | 0.01 | 0.00 |
| LV | 1.49 | 1.10 | 0.05 | 0.00 | 1.54 | 0.06 | 0.16 |
| LT | 2.60 | 2.07 | 0.19 | 0.00 | 1.42 | 0.02 | 0.62 |
| LU | 2.63 | 0.77 | 0.05 | 0.00 | 0.21 | 0.03 | 0.48 |
| HU | 6.92 | 7.49 | 2.36 | 4.10 | 3.01 | 0.13 | 1.18 |
| MT | 0.65 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.09 |
| NL | 31.20 | 29.18 | 10.94 | 1.05 | 3.64 | 0.80 | 0.75 |
| AT | 11.96 | 6.88 | 3.18 | 0.00 | 9.65 | 0.73 | 0.87 |
| PL | 23.92 | 13.78 | 48.26 | 0.00 | 8.99 | 0.52 | -0.03 |
| PT | 10.40 | 4.07 | 3.21 | 0.00 | 4.97 | 0.16 | 0.20 |
| RO | 9.10 | 8.93 | 5.91 | 3.00 | 5.97 | 0.07 | -0.58 |
| SI | 2.29 | 0.66 | 1.07 | 1.46 | 1.06 | 0.04 | 0.00 |
| SK | 3.34 | 3.88 | 3.28 | 3.95 | 1.58 | 0.19 | 0.21 |
| FI | 8.76 | 2.24 | 4.03 | 6.00 | 10.49 | 0.24 | 1.41 |
| SE | 10.22 | 0.73 | 2.12 | 14.54 | 19.19 | 0.62 | -1.94 |
| UK | 69.94 | 61.28 | 23.80 | 18.15 | 14.74 | 1.04 | 1.80 |

Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.1.3 Gross Inland Consumption

RENEWABLES

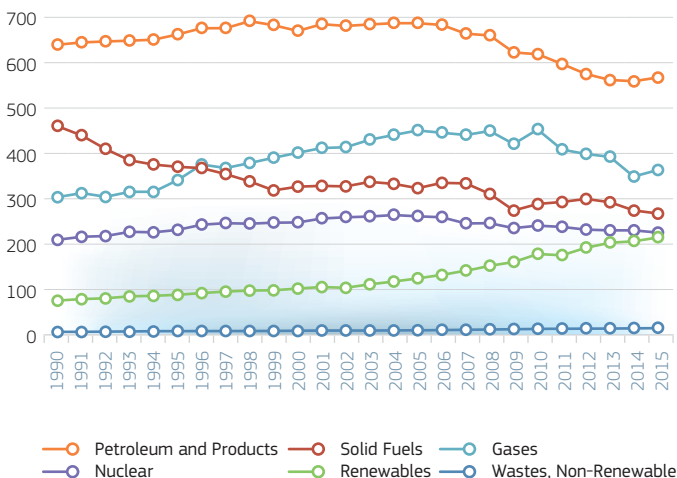
| Mtoe | 2015 | | | | | | |
|-----------|------------|------------------------------|-------|------|-------|------------|----------------------|
| | Renewables | Biomass and Renewable Wastes | Hydro | Wind | Solar | Geothermal | Tide, Wave and Ocean |
| EU-28 | 211.0 | 136.2 | 29.3 | 26.0 | 13.1 | 6.5 | 0.0 |
| Share (%) | 13.0% | 8.4% | 1.8% | 1.6% | 0.8% | 0.4% | 0.0% |
| BE | 3.63 | 2.84 | 0.03 | 0.48 | 0.29 | 0.00 | 0.00 |
| BG | 1.99 | 1.21 | 0.49 | 0.13 | 0.14 | 0.03 | 0.00 |
| CZ | 4.28 | 3.86 | 0.15 | 0.05 | 0.21 | 0.00 | 0.00 |
| DK | 4.76 | 3.46 | 0.00 | 1.22 | 0.09 | 0.00 | 0.00 |
| DE | 38.35 | 25.70 | 1.63 | 6.81 | 4.00 | 0.21 | 0.00 |
| EE | 0.91 | 0.84 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 |
| IE | 1.07 | 0.42 | 0.07 | 0.57 | 0.01 | 0.00 | 0.00 |
| EL | 2.78 | 1.31 | 0.52 | 0.40 | 0.53 | 0.01 | 0.00 |
| ES | 16.62 | 6.75 | 2.42 | 4.24 | 3.19 | 0.02 | 0.00 |
| FR | 21.81 | 14.33 | 4.68 | 1.83 | 0.72 | 0.21 | 0.04 |
| HR | 1.96 | 1.32 | 0.55 | 0.07 | 0.02 | 0.01 | 0.00 |
| IT | 26.27 | 13.45 | 3.92 | 1.28 | 2.16 | 5.47 | 0.00 |
| CY | 0.15 | 0.05 | 0.00 | 0.02 | 0.08 | 0.00 | 0.00 |
| LV | 1.54 | 1.37 | 0.16 | 0.01 | 0.00 | 0.00 | 0.00 |
| LT | 1.42 | 1.31 | 0.03 | 0.07 | 0.01 | 0.00 | 0.00 |
| LU | 0.21 | 0.18 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |
| HU | 3.01 | 2.81 | 0.02 | 0.06 | 0.02 | 0.11 | 0.00 |
| MT | 0.02 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 |
| NL | 3.64 | 2.80 | 0.01 | 0.65 | 0.12 | 0.06 | 0.00 |
| AT | 9.65 | 5.75 | 3.19 | 0.42 | 0.27 | 0.04 | 0.00 |
| PL | 8.99 | 7.83 | 0.16 | 0.93 | 0.05 | 0.02 | 0.00 |
| PT | 4.97 | 2.89 | 0.75 | 1.00 | 0.15 | 0.19 | 0.00 |
| RO | 5.97 | 3.74 | 1.43 | 0.61 | 0.17 | 0.03 | 0.00 |
| SI | 1.06 | 0.65 | 0.33 | 0.00 | 0.03 | 0.04 | 0.00 |
| SK | 1.58 | 1.19 | 0.33 | 0.00 | 0.05 | 0.01 | 0.00 |
| FI | 10.49 | 8.84 | 1.44 | 0.20 | 0.00 | 0.00 | 0.00 |
| SE | 19.19 | 11.30 | 6.48 | 1.40 | 0.02 | 0.00 | 0.00 |
| UK | 14.74 | 10.03 | 0.54 | 3.47 | 0.70 | 0.00 | 0.00 |

Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

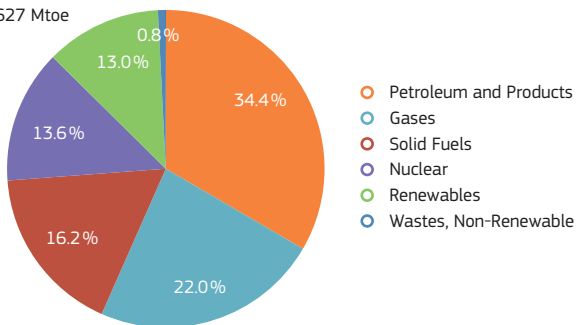
2.1.3 Gross Inland Consumption

BY FUEL – EU-28 – 1990-2015 (Mtoe)



GROSS INLAND CONSUMPTION – BY FUEL – EU-28 – 2015 (% TOTAL)

Total = 1627 Mtoe



Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

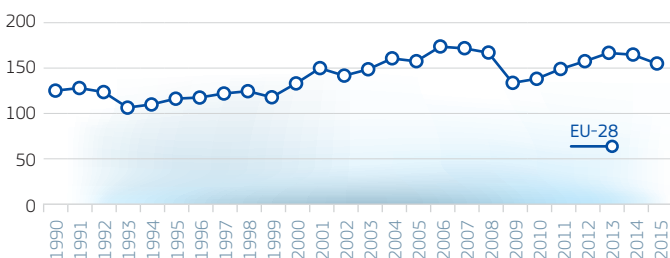
2.2 Energy Imports

2.2.1 Imports – Solid Fuels

TOTAL

| Mtoe | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|------------|-------|-------|-------|-------|-------|-------|
| EU-28 | 116.3 | 131.7 | 153.6 | 136.2 | 160.3 | 151.5 |
| Index 1995 | 100% | 113% | 132% | 117% | 138% | 130% |
| BE | 10.34 | 8.41 | 6.01 | 4.39 | 3.87 | 3.16 |
| BG | 2.42 | 2.38 | 2.57 | 1.75 | 0.95 | 0.76 |
| CZ | 1.84 | 1.04 | 1.35 | 2.38 | 2.98 | 2.81 |
| DK | 7.68 | 3.86 | 3.56 | 2.68 | 2.56 | 1.52 |
| DE | 12.26 | 22.20 | 26.57 | 32.55 | 37.17 | 37.45 |
| EE | 0.35 | 0.33 | 0.07 | 0.05 | 0.05 | 0.01 |
| IE | 1.90 | 1.70 | 1.91 | 0.96 | 1.22 | 1.48 |
| EL | 0.92 | 0.81 | 0.40 | 0.40 | 0.20 | 0.16 |
| ES | 8.67 | 13.35 | 14.83 | 7.85 | 9.53 | 10.96 |
| FR | 9.60 | 13.55 | 14.14 | 12.37 | 9.25 | 8.70 |
| HR | 0.15 | 0.48 | 0.62 | 0.70 | 0.60 | 0.62 |
| IT | 13.09 | 13.22 | 16.52 | 14.00 | 13.13 | 12.58 |
| CY | 0.01 | 0.03 | 0.04 | 0.01 | 0.00 | 0.00 |
| LV | 0.17 | 0.06 | 0.08 | 0.12 | 0.05 | 0.04 |
| LT | 0.16 | 0.08 | 0.18 | 0.22 | 0.22 | 0.17 |
| LU | 0.49 | 0.11 | 0.08 | 0.07 | 0.05 | 0.05 |
| HU | 1.65 | 1.21 | 1.45 | 1.41 | 1.06 | 1.11 |
| MT | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NL | 11.62 | 14.01 | 12.99 | 12.78 | 28.67 | 34.27 |
| AT | 2.64 | 3.06 | 3.99 | 3.37 | 3.06 | 2.76 |
| PL | 1.08 | 1.02 | 2.15 | 8.27 | 6.43 | 5.07 |
| PT | 3.86 | 3.97 | 3.23 | 1.63 | 2.60 | 3.21 |
| RO | 3.07 | 1.93 | 2.96 | 1.28 | 1.01 | 1.10 |
| SI | 0.19 | 0.24 | 0.33 | 0.28 | 0.23 | 0.20 |
| SK | 4.18 | 3.47 | 3.90 | 3.22 | 2.93 | 2.83 |
| FI | 3.86 | 3.55 | 3.36 | 3.98 | 3.65 | 2.55 |
| SE | 2.80 | 2.43 | 2.58 | 2.57 | 2.01 | 2.01 |
| UK | 11.34 | 15.23 | 27.73 | 16.92 | 26.84 | 15.92 |

IMPORTS – SOLID FUELS – TOTAL – 1990-2015 (Mtoe)



Source: Eurostat, May 2017

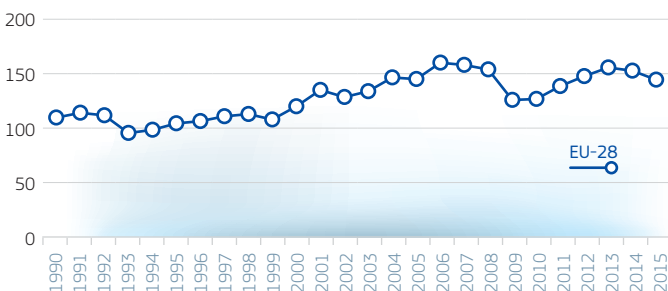
Methodology and Notes: See Appendix 13 – No 2

2.2.1 Imports – Solid Fuels

HARD COAL

| Mtoe | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|------------|-------|-------|-------|-------|-------|-------|
| EU-28 | 105.9 | 120.7 | 144.1 | 127.1 | 151.3 | 143.5 |
| Index 1995 | 100% | 114% | 136% | 120% | 143% | 136% |
| BE | 9.44 | 7.46 | 5.70 | 4.09 | 3.45 | 2.69 |
| BG | 2.35 | 2.25 | 2.49 | 1.70 | 0.89 | 0.70 |
| CZ | 1.63 | 0.63 | 0.76 | 1.42 | 2.06 | 1.92 |
| DK | 7.65 | 3.82 | 3.54 | 2.67 | 2.54 | 1.51 |
| DE | 9.50 | 17.39 | 23.93 | 29.33 | 34.66 | 35.35 |
| EE | 0.05 | 0.06 | 0.04 | 0.05 | 0.05 | 0.01 |
| IE | 1.87 | 1.68 | 1.88 | 0.95 | 1.20 | 1.47 |
| EL | 0.92 | 0.81 | 0.40 | 0.40 | 0.20 | 0.16 |
| ES | 8.09 | 13.25 | 14.74 | 7.71 | 9.36 | 10.73 |
| FR | 8.91 | 12.49 | 13.00 | 11.41 | 8.71 | 8.29 |
| HR | 0.07 | 0.44 | 0.57 | 0.66 | 0.56 | 0.59 |
| IT | 12.58 | 12.87 | 15.94 | 13.99 | 12.30 | 12.12 |
| CY | 0.01 | 0.03 | 0.04 | 0.01 | 0.00 | 0.00 |
| LV | 0.17 | 0.05 | 0.07 | 0.11 | 0.05 | 0.04 |
| LT | 0.16 | 0.07 | 0.16 | 0.18 | 0.18 | 0.14 |
| LU | 0.13 | 0.10 | 0.07 | 0.06 | 0.05 | 0.04 |
| HU | 1.23 | 1.12 | 1.30 | 1.40 | 1.03 | 1.05 |
| MT | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NL | 11.06 | 13.63 | 12.71 | 12.54 | 28.29 | 34.03 |
| AT | 2.05 | 2.34 | 3.00 | 2.48 | 2.20 | 2.09 |
| PL | 1.05 | 1.01 | 2.05 | 8.16 | 6.22 | 4.91 |
| PT | 3.84 | 3.97 | 3.22 | 1.63 | 2.59 | 3.20 |
| RO | 3.01 | 1.65 | 2.42 | 0.52 | 0.41 | 0.47 |
| SI | 0.14 | 0.20 | 0.30 | 0.23 | 0.19 | 0.18 |
| SK | 3.10 | 3.15 | 3.48 | 2.57 | 2.59 | 2.53 |
| FI | 3.67 | 3.21 | 3.01 | 3.68 | 3.36 | 2.24 |
| SE | 2.37 | 2.14 | 2.22 | 2.29 | 1.91 | 1.92 |
| UK | 10.87 | 14.90 | 27.11 | 16.84 | 26.20 | 15.15 |

IMPORTS – SOLID FUELS – HARD COAL – 1990-2015 (Mtoe)



Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.2.1 Imports – Solid Fuels

RANKING

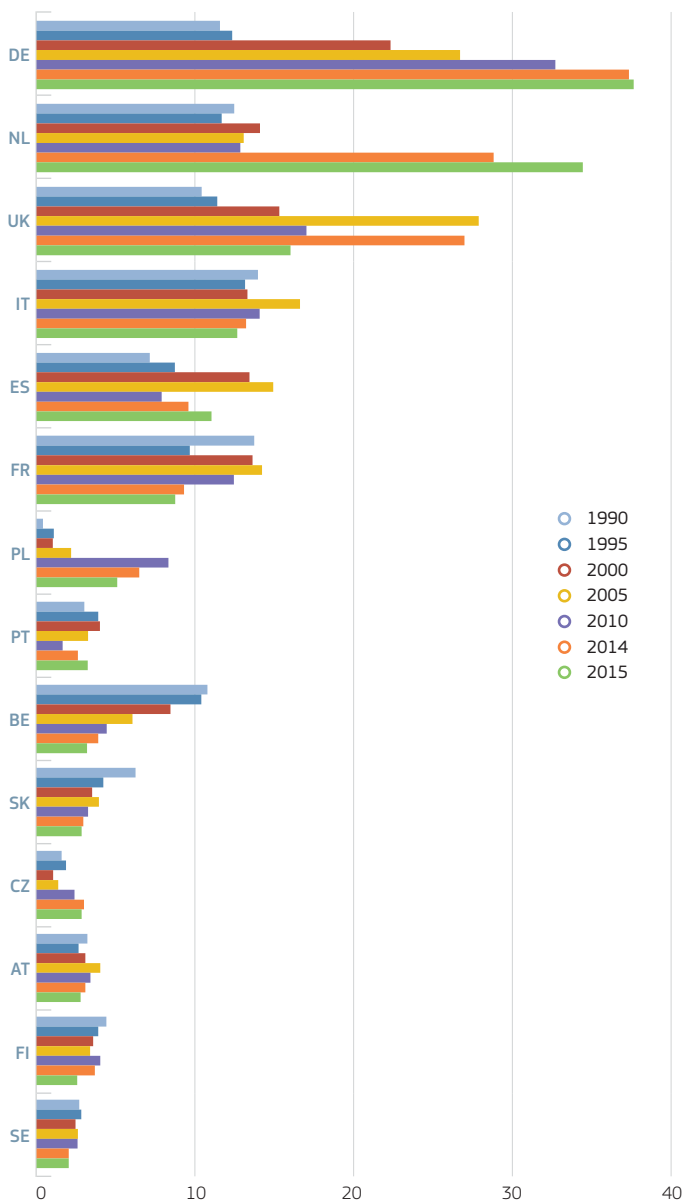
| Mtoe and % Top 10 Ranking | 1995 | | | 2015 | | |
|------------------------------|------|--------------|---------------|------|--------------|---------------|
| | MS | Imports | EU-28 Share | MS | Imports | EU-28 Share |
| Solid Fuels | | | | | | |
| 1 | IT | 13.1 | 11.3% | DE | 37.5 | 24.7% |
| 2 | DE | 12.3 | 10.5% | NL | 34.3 | 22.6% |
| 3 | NL | 11.6 | 10.0% | UK | 15.9 | 10.5% |
| 4 | UK | 11.3 | 9.7% | IT | 12.6 | 8.3% |
| 5 | BE | 10.3 | 8.9% | ES | 11.0 | 7.2% |
| 6 | FR | 9.6 | 8.3% | FR | 8.7 | 5.7% |
| 7 | ES | 8.7 | 7.4% | PL | 5.1 | 3.3% |
| 8 | DK | 7.7 | 6.6% | PT | 3.2 | 2.1% |
| 9 | SK | 4.2 | 3.6% | BE | 3.2 | 2.1% |
| 10 | PT | 3.9 | 3.3% | SK | 2.8 | 1.9% |
| Top 5 Total | | 58.6 | 50.4% | | 111.2 | 73.4% |
| Total EU-28 | | 116.3 | 100.0% | | 151.5 | 100.0% |
| Of which: Hard Coal | | | | | | |
| 1 | IT | 12.6 | 11.9% | DE | 35.3 | 24.6% |
| 2 | NL | 11.1 | 10.4% | NL | 34.0 | 23.7% |
| 3 | UK | 10.9 | 10.3% | UK | 15.2 | 10.6% |
| 4 | DE | 9.5 | 9.0% | IT | 12.1 | 8.4% |
| 5 | BE | 9.4 | 8.9% | ES | 10.7 | 7.5% |
| 6 | FR | 8.9 | 8.4% | FR | 8.3 | 5.8% |
| 7 | ES | 8.1 | 7.6% | PL | 4.9 | 3.4% |
| 8 | DK | 7.6 | 7.2% | PT | 3.2 | 2.2% |
| 9 | PT | 3.8 | 3.6% | BE | 2.7 | 1.9% |
| 10 | FI | 3.7 | 3.5% | SK | 2.5 | 1.8% |
| Top 5 Total | | 53.4 | 50.5% | | 107.4 | 74.8% |
| Total EU-28 | | 105.9 | 100.0% | | 143.5 | 100.0% |

Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.2.1 Imports – Solid Fuels

BY MEMBER STATE – TOP 14 IMPORTERS
1990-2015 (Mtoe)

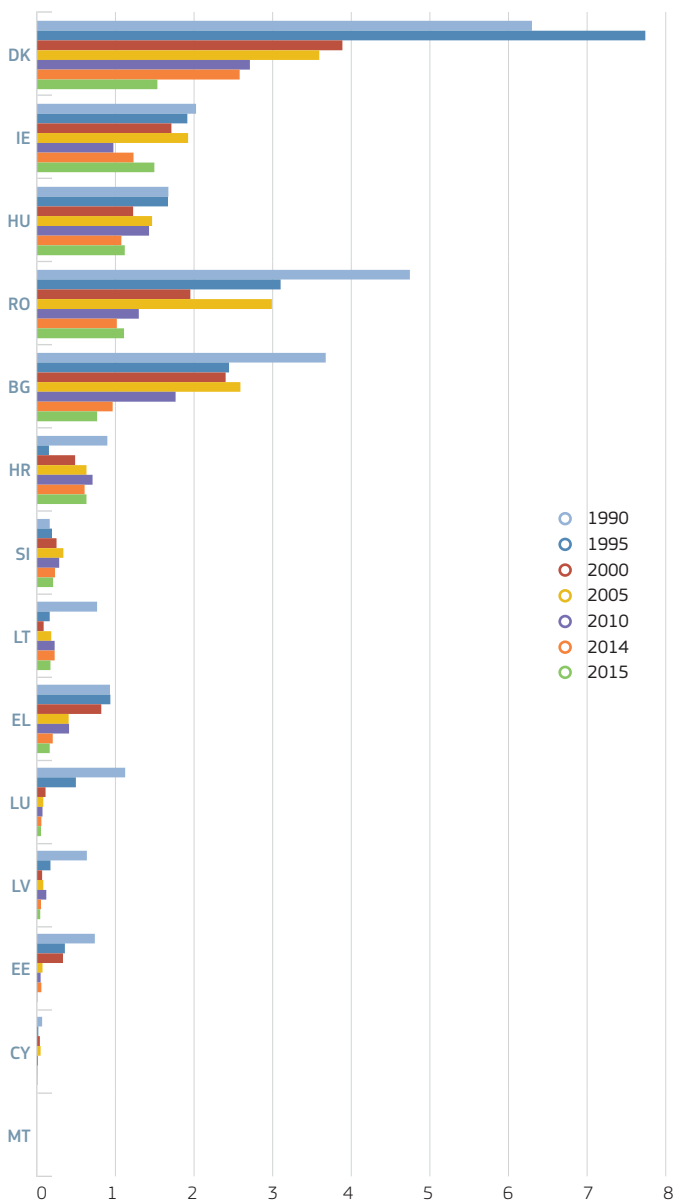


Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.2.1 Imports – Solid Fuels

BY MEMBER STATE – LEAST 14 IMPORTERS
1990-2015 (Mtoe)



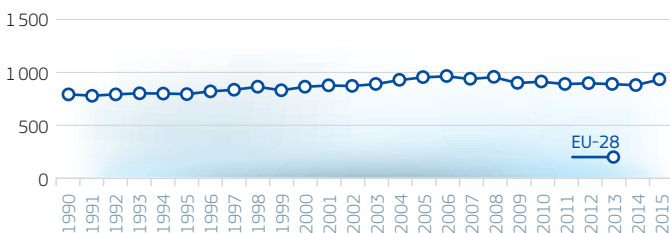
Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.2.2 Imports – Petroleum and Products

TOTAL

| Mtoe | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|------------|--------|--------|--------|--------|--------|--------|
| EU-28 | 801.4 | 868.0 | 954.5 | 914.3 | 884.6 | 934.1 |
| Index 1995 | 100% | 108% | 119% | 114% | 110% | 117% |
| BE | 44.53 | 52.79 | 58.21 | 56.35 | 58.36 | 60.19 |
| BG | 7.96 | 5.97 | 7.55 | 7.60 | 7.92 | 8.73 |
| CZ | 8.89 | 8.60 | 10.90 | 10.61 | 10.94 | 11.21 |
| DK | 10.32 | 9.88 | 8.69 | 9.38 | 11.77 | 13.80 |
| DE | 146.77 | 147.99 | 147.46 | 128.69 | 127.19 | 128.16 |
| EE | 1.17 | 0.93 | 1.16 | 1.16 | 1.89 | 1.71 |
| IE | 6.80 | 9.56 | 10.14 | 9.17 | 7.86 | 9.24 |
| EL | 21.43 | 23.81 | 26.44 | 27.05 | 29.48 | 31.36 |
| ES | 67.52 | 78.17 | 87.72 | 80.31 | 78.99 | 83.58 |
| FR | 102.35 | 114.09 | 122.74 | 105.98 | 96.91 | 100.05 |
| HR | 4.49 | 4.19 | 5.50 | 4.94 | 3.93 | 4.51 |
| IT | 106.72 | 109.37 | 108.86 | 97.87 | 72.33 | 81.13 |
| CY | 2.03 | 2.53 | 2.79 | 2.91 | 2.27 | 2.44 |
| LV | 2.14 | 1.35 | 2.28 | 1.94 | 2.36 | 2.76 |
| LT | 5.32 | 5.41 | 9.61 | 10.22 | 9.43 | 11.18 |
| LU | 1.78 | 2.39 | 3.16 | 2.86 | 2.69 | 2.62 |
| HU | 7.59 | 7.09 | 8.79 | 8.37 | 8.76 | 9.15 |
| MT | 0.84 | 1.46 | 1.63 | 2.38 | 2.24 | 2.67 |
| NL | 90.44 | 104.30 | 125.46 | 146.20 | 143.04 | 155.87 |
| AT | 11.02 | 12.29 | 15.39 | 13.70 | 13.35 | 13.81 |
| PL | 15.42 | 20.98 | 24.46 | 28.68 | 28.39 | 31.74 |
| PT | 17.96 | 17.48 | 19.55 | 15.30 | 15.08 | 17.92 |
| RO | 11.18 | 6.30 | 9.88 | 8.46 | 9.39 | 9.80 |
| SI | 2.35 | 2.69 | 2.85 | 3.28 | 3.75 | 4.08 |
| SK | 5.11 | 6.01 | 6.92 | 6.69 | 6.67 | 7.44 |
| FI | 12.65 | 15.33 | 15.75 | 16.06 | 17.88 | 16.35 |
| SE | 26.90 | 27.93 | 27.30 | 27.94 | 26.86 | 28.11 |
| UK | 59.68 | 69.14 | 83.34 | 80.18 | 84.89 | 84.47 |

IMPORTS – PETROLEUM AND PRODUCTS – TOTAL –
1990-2015 (Mtoe)

Source: Eurostat, May 2017

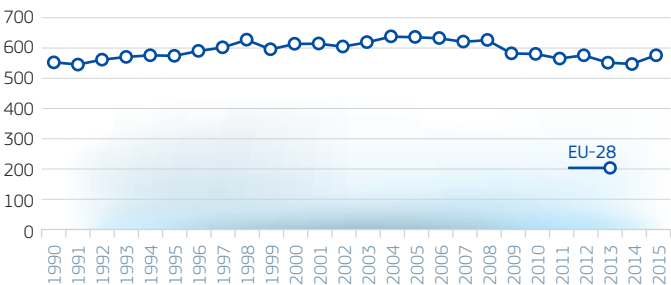
Methodology and Notes: See Appendix 13 – No 2

2.2.2 Imports – Petroleum and Products

CRUDE AND NGL

| Mtoe | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|------------|--------|--------|--------|-------|-------|-------|
| EU-28 | 565.6 | 609.8 | 635.4 | 572.9 | 535.1 | 567.1 |
| Index 1995 | 100% | 108% | 112% | 101% | 95% | 100% |
| BE | 26.18 | 34.04 | 31.77 | 33.11 | 32.57 | 32.26 |
| BG | 7.39 | 5.18 | 5.84 | 5.37 | 5.02 | 5.91 |
| CZ | 7.06 | 5.68 | 7.70 | 7.83 | 7.51 | 7.27 |
| DK | 5.43 | 3.77 | 2.71 | 2.69 | 3.44 | 4.15 |
| DE | 102.37 | 104.69 | 111.82 | 92.61 | 89.29 | 90.09 |
| EE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IE | 2.27 | 2.98 | 3.16 | 3.08 | 2.70 | 3.69 |
| EL | 15.51 | 19.60 | 18.92 | 20.40 | 21.10 | 22.34 |
| ES | 55.34 | 57.70 | 59.94 | 52.69 | 58.81 | 64.87 |
| FR | 78.65 | 86.84 | 85.22 | 64.95 | 54.92 | 58.22 |
| HR | 4.23 | 3.95 | 4.02 | 3.56 | 1.87 | 2.34 |
| IT | 73.82 | 83.27 | 89.91 | 79.59 | 54.90 | 62.87 |
| 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 | 7.57 | 8.73 |
| LU | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| HU | 5.89 | 5.88 | 6.25 | 5.68 | 6.04 | 6.19 |
| MT | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NL | 61.08 | 60.56 | 62.05 | 60.13 | 54.89 | 59.93 |
| AT | 7.56 | 7.28 | 7.88 | 6.70 | 7.62 | 8.02 |
| PL | 11.95 | 17.48 | 17.75 | 22.49 | 23.24 | 26.10 |
| PT | 13.04 | 11.63 | 13.46 | 11.39 | 10.61 | 14.18 |
| RO | 8.31 | 4.76 | 8.86 | 6.11 | 6.92 | 6.77 |
| SI | 0.49 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| SK | 5.09 | 5.74 | 5.46 | 5.33 | 5.37 | 5.78 |
| FI | 8.67 | 11.56 | 10.57 | 11.21 | 12.08 | 11.10 |
| SE | 19.50 | 21.97 | 19.49 | 19.62 | 18.61 | 19.95 |
| UK | 41.91 | 49.11 | 53.57 | 49.24 | 50.03 | 46.34 |

IMPORTS – PETROLEUM AND PRODUCTS – CRUDE AND NGL – 1990-2015 (Mtoe)



Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.2.2 Imports – Petroleum and Products

RANKING

| Mtoe and % Top 10 Ranking | 1995 | | | 2015 | | |
|--------------------------------|------|--------------|---------------|------|--------------|---------------|
| | MS | Imports | EU-28 Share | MS | Imports | EU-28 Share |
| Petroleum and Products | | | | | | |
| 1 | DE | 146.8 | 18.3% | NL | 155.9 | 16.7% |
| 2 | IT | 106.7 | 13.3% | DE | 128.2 | 13.7% |
| 3 | FR | 102.3 | 12.8% | FR | 100.1 | 10.7% |
| 4 | NL | 90.4 | 11.3% | UK | 84.5 | 9.0% |
| 5 | ES | 67.5 | 8.4% | ES | 83.6 | 8.9% |
| 6 | UK | 59.7 | 7.4% | IT | 81.1 | 8.7% |
| 7 | BE | 44.5 | 5.6% | BE | 60.2 | 6.4% |
| 8 | SE | 26.9 | 3.4% | PL | 31.7 | 3.4% |
| 9 | EL | 21.4 | 2.7% | EL | 31.4 | 3.4% |
| 10 | PT | 18.0 | 2.2% | SE | 28.1 | 3.0% |
| Top 5 Total | | 513.8 | 64.1% | | 552.1 | 59.1% |
| Total | | 801.4 | 100.0% | | 934.1 | 100.0% |
| Of which: Crude and NGL | | | | | | |
| 1 | DE | 102.4 | 18.1% | DE | 90.1 | 15.9% |
| 2 | FR | 78.7 | 13.9% | ES | 64.9 | 11.4% |
| 3 | IT | 73.8 | 13.1% | IT | 62.9 | 11.1% |
| 4 | NL | 61.1 | 10.8% | NL | 59.9 | 10.6% |
| 5 | ES | 55.3 | 9.8% | FR | 58.2 | 10.3% |
| 6 | UK | 41.9 | 7.4% | UK | 46.3 | 8.2% |
| 7 | BE | 26.2 | 4.6% | BE | 32.3 | 5.7% |
| 8 | SE | 19.5 | 3.4% | PL | 26.1 | 4.6% |
| 9 | EL | 15.5 | 2.7% | EL | 22.3 | 3.9% |
| 10 | PT | 13.0 | 2.3% | SE | 20.0 | 3.5% |
| Top 5 Total | | 371.3 | 65.6% | | 336.0 | 59.2% |
| Total | | 565.6 | 100.0% | | 567.1 | 100.0% |

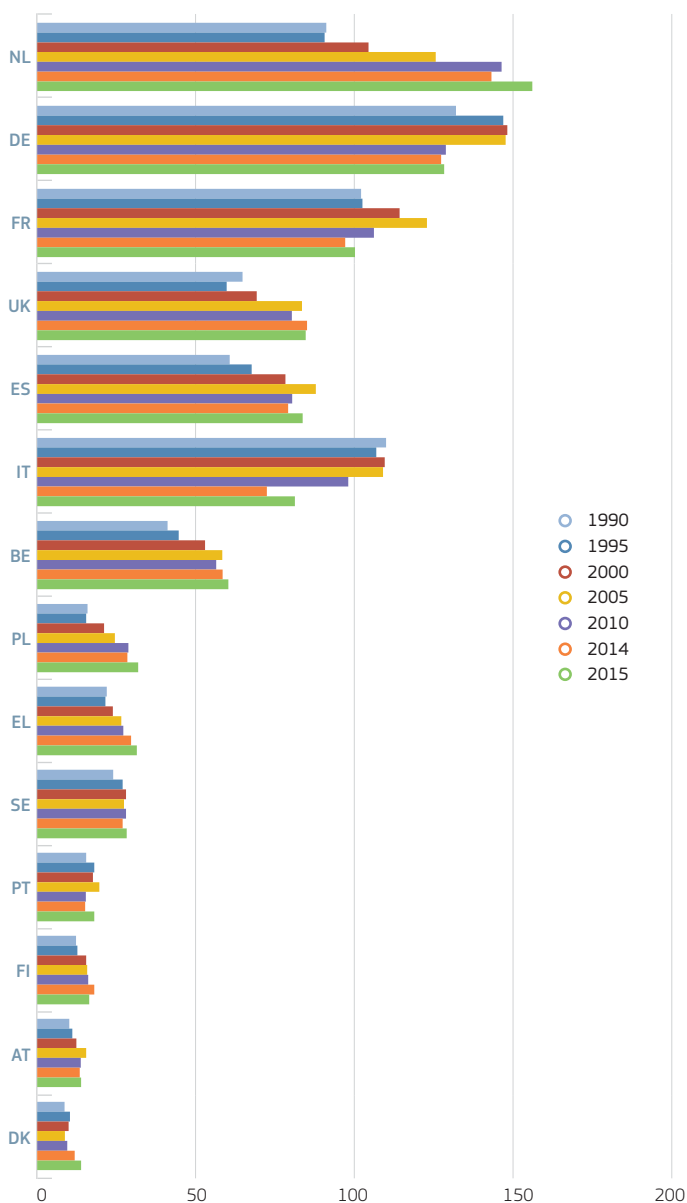
Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.2.2 Imports – Petroleum and Products

BY MEMBER STATE – TOP 14 IMPORTERS

1990-2015 (Mtoe)



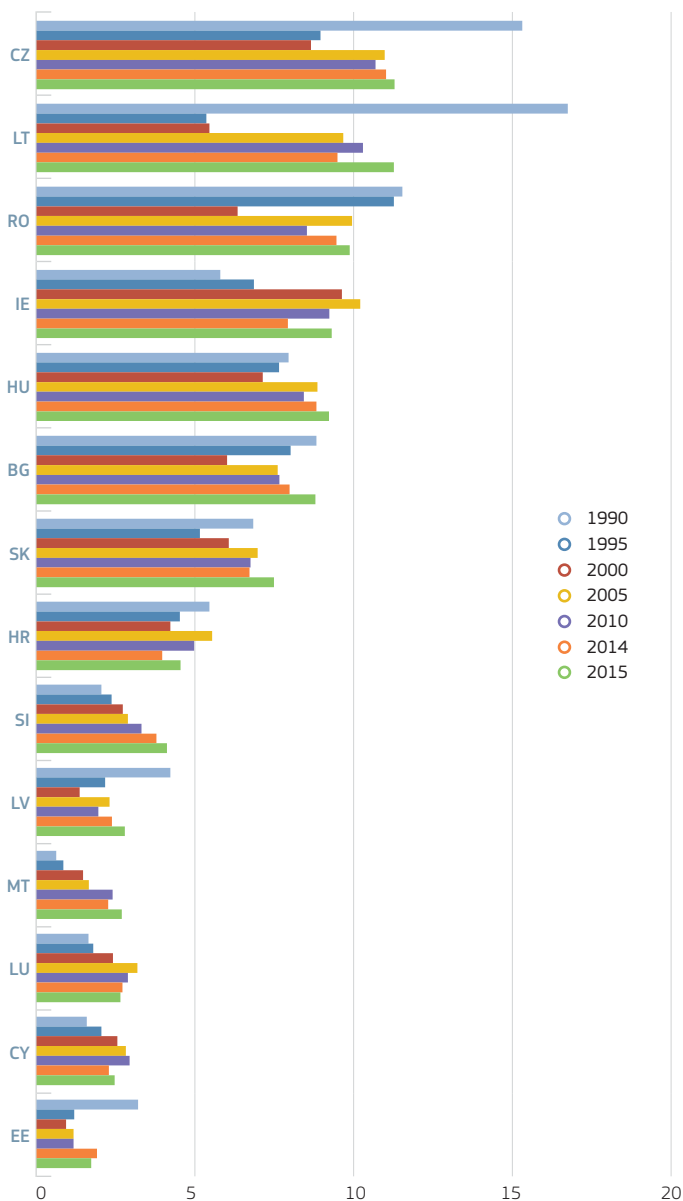
Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.2.2 Imports – Petroleum and Products

BY MEMBER STATE – LEAST 14 IMPORTERS

1990-2015 (Mtoe)



Source: Eurostat, May 2017

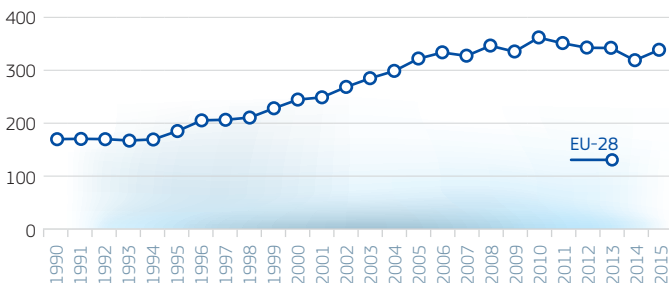
Methodology and Notes: See Appendix 13 – No 2

2.2.3 Imports – Gases

TOTAL

| Mtoe | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|------------|--------|--------|--------|--------|--------|--------|
| EU-28 | 180.18 | 242.43 | 323.75 | 365.91 | 320.42 | 341.28 |
| Index 1995 | 100% | 135% | 180% | 203% | 178% | 189% |
| BE | 10.42 | 13.28 | 14.82 | 19.55 | 13.56 | 15.32 |
| BG | 4.56 | 2.74 | 2.46 | 2.13 | 2.22 | 2.52 |
| CZ | 6.43 | 7.48 | 7.60 | 6.98 | 5.95 | 6.16 |
| DK | 0.00 | 0.00 | 0.00 | 0.14 | 0.56 | 0.59 |
| DE | 55.32 | 61.09 | 78.90 | 78.80 | 75.34 | 85.92 |
| EE | 0.58 | 0.66 | 0.80 | 0.56 | 0.44 | 0.39 |
| IE | 0.09 | 2.48 | 3.01 | 4.48 | 3.59 | 3.62 |
| EL | 0.00 | 1.69 | 2.33 | 3.23 | 2.47 | 2.67 |
| ES | 7.52 | 15.47 | 30.25 | 31.96 | 31.66 | 28.18 |
| FR | 28.11 | 36.46 | 41.62 | 42.11 | 40.14 | 39.45 |
| HR | 0.22 | 0.91 | 0.93 | 0.87 | 0.94 | 0.87 |
| IT | 28.56 | 47.05 | 60.16 | 61.72 | 45.67 | 50.18 |
| CY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LV | 1.00 | 1.11 | 1.43 | 0.90 | 0.78 | 1.08 |
| LT | 2.03 | 2.07 | 2.49 | 2.49 | 2.15 | 2.14 |
| LU | 0.56 | 0.67 | 1.18 | 1.20 | 0.84 | 0.77 |
| HU | 5.53 | 7.35 | 9.81 | 7.91 | 7.44 | 5.68 |
| MT | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NL | 2.76 | 12.48 | 16.44 | 18.45 | 20.87 | 27.15 |
| AT | 5.47 | 5.32 | 8.03 | 10.19 | 8.31 | 9.43 |
| PL | 5.84 | 6.64 | 8.57 | 8.91 | 9.71 | 9.99 |
| PT | 0.00 | 2.04 | 3.89 | 4.51 | 3.48 | 4.07 |
| RO | 4.79 | 2.71 | 4.19 | 1.82 | 0.47 | 0.16 |
| SI | 0.75 | 0.82 | 0.93 | 0.86 | 0.62 | 0.66 |
| SK | 4.53 | 5.71 | 6.05 | 5.00 | 3.96 | 3.69 |
| FI | 2.84 | 3.43 | 3.61 | 3.84 | 2.51 | 2.24 |
| SE | 0.76 | 0.78 | 0.84 | 1.47 | 0.79 | 0.72 |
| UK | 1.51 | 2.01 | 13.42 | 45.86 | 35.96 | 37.62 |

IMPORTS – GASES – TOTAL – 1990-2015 (Mtoe)



Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.2.3 Imports – Gases

RANKING

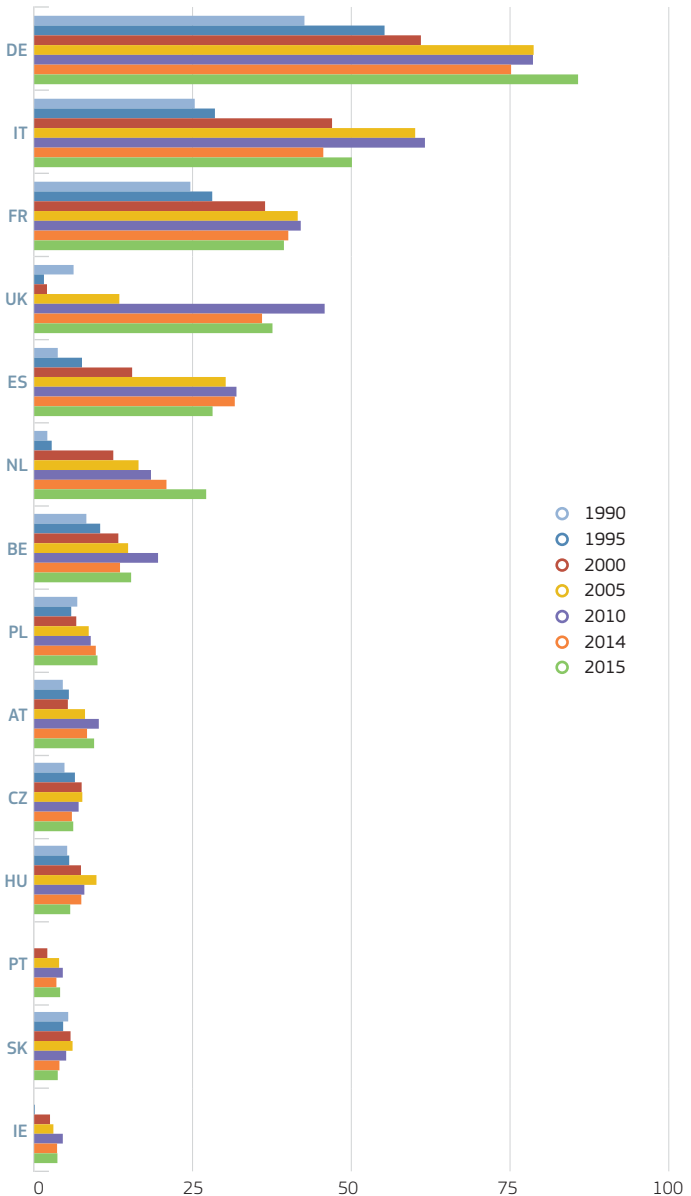
| Mtoe and % EU-28 Ranking | 1995 | | | 2015 | | |
|-----------------------------|------|--------------|---------------|------|--------------|---------------|
| | MS | Imports | EU-28 Share | MS | Imports | EU-28 Share |
| Gases | | | | | | |
| 1 | DE | 55.3 | 30.7% | DE | 85.9 | 25.2% |
| 2 | IT | 28.6 | 15.9% | IT | 50.2 | 14.7% |
| 3 | FR | 28.1 | 15.6% | FR | 39.5 | 11.6% |
| 4 | BE | 10.4 | 5.8% | UK | 37.6 | 11.0% |
| 5 | ES | 7.5 | 4.2% | ES | 28.2 | 8.3% |
| 6 | CZ | 6.4 | 3.6% | NL | 27.2 | 8.0% |
| 7 | PL | 5.8 | 3.2% | BE | 15.3 | 4.5% |
| 8 | HU | 5.5 | 3.1% | PL | 10.0 | 2.9% |
| 9 | AT | 5.5 | 3.0% | AT | 9.4 | 2.8% |
| 10 | RO | 4.8 | 2.7% | CZ | 6.2 | 1.8% |
| 11 | BG | 4.6 | 2.5% | HU | 5.7 | 1.7% |
| 12 | SK | 4.5 | 2.5% | PT | 4.1 | 1.2% |
| 13 | FI | 2.8 | 1.6% | SK | 3.7 | 1.1% |
| 14 | NL | 2.8 | 1.5% | IE | 3.6 | 1.1% |
| 15 | LT | 2.0 | 1.1% | EL | 2.7 | 0.8% |
| 16 | UK | 1.5 | 0.8% | BG | 2.5 | 0.7% |
| 17 | LV | 1.0 | 0.6% | FI | 2.2 | 0.7% |
| 18 | SE | 0.8 | 0.4% | LT | 2.1 | 0.6% |
| 19 | SI | 0.8 | 0.4% | LV | 1.1 | 0.3% |
| 20 | EE | 0.6 | 0.3% | HR | 0.9 | 0.3% |
| 21 | LU | 0.6 | 0.3% | LU | 0.8 | 0.2% |
| 22 | HR | 0.2 | 0.1% | SE | 0.7 | 0.2% |
| 23 | IE | 0.1 | 0.0% | SI | 0.7 | 0.2% |
| 24 | DK | 0.0 | 0.0% | DK | 0.6 | 0.2% |
| 25 | EL | 0.0 | 0.0% | EE | 0.4 | 0.1% |
| 26 | CY | 0.0 | 0.0% | RO | 0.2 | 0.0% |
| 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% | | 241.4 | 70.7% |
| Total | | 180.2 | 100.0% | | 341.3 | 100.0% |

Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.2.3 Imports – Gases

BY MEMBER STATE – TOP 14 IMPORTERS
1990-2015 (Mtoe)

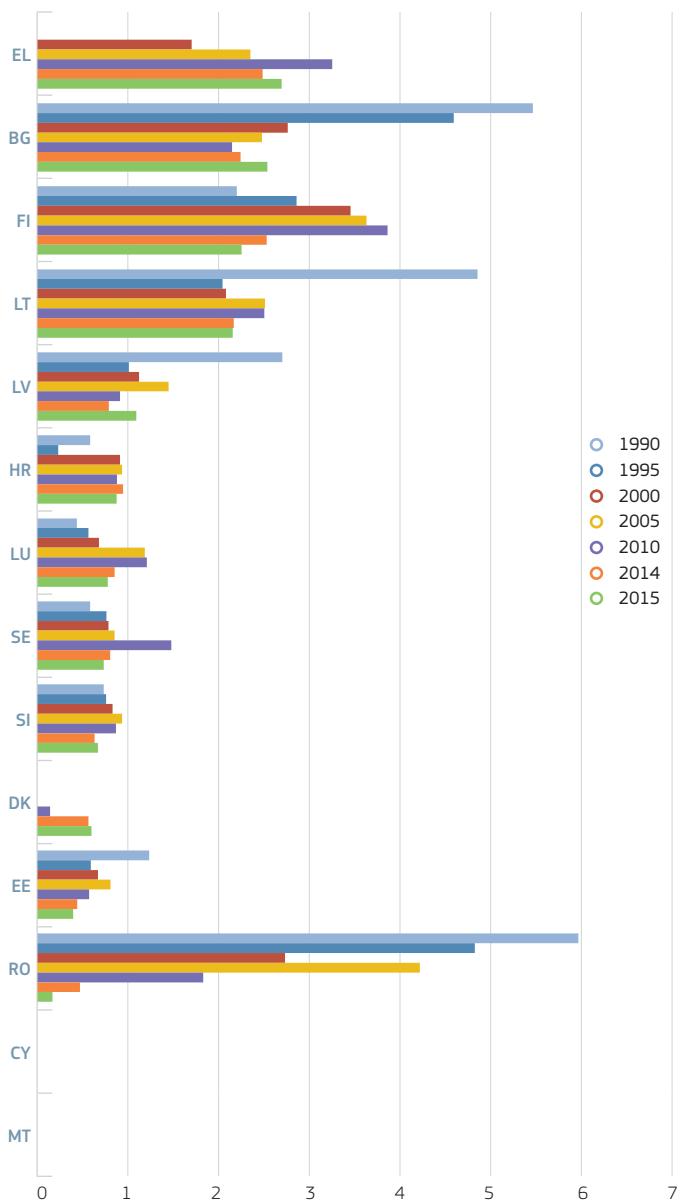


Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.2.3 Imports – Gases

BY MEMBER STATE – LEAST 14 IMPORTERS
1990-2015 (Mtoe)



Source: Eurostat, May 2017

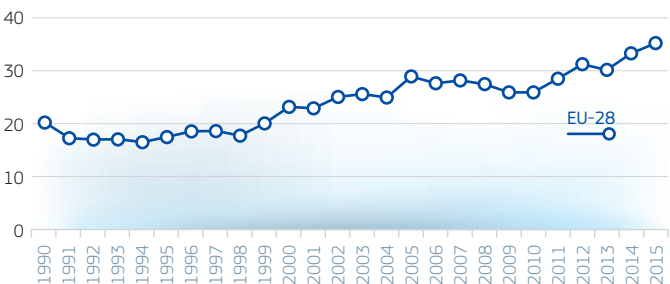
Methodology and Notes: See Appendix 13 – No 2

2.2.4 Imports – Electricity

TOTAL

| Mtoe | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|------------|------|------|------|------|------|------|
| EU-28 | 17.0 | 22.9 | 28.8 | 25.7 | 33.3 | 35.3 |
| Index 1995 | 100% | 135% | 170% | 151% | 196% | 208% |
| BE | 0.81 | 1.00 | 1.23 | 1.07 | 1.87 | 2.04 |
| BG | 0.17 | 0.08 | 0.07 | 0.10 | 0.37 | 0.37 |
| CZ | 0.58 | 0.75 | 1.06 | 0.57 | 1.02 | 1.39 |
| DK | 0.35 | 0.72 | 1.11 | 0.91 | 1.09 | 1.35 |
| DE | 3.42 | 3.88 | 4.89 | 3.69 | 3.48 | 3.18 |
| EE | 0.02 | 0.03 | 0.03 | 0.10 | 0.32 | 0.47 |
| IE | 0.00 | 0.02 | 0.18 | 0.07 | 0.25 | 0.15 |
| EL | 0.12 | 0.15 | 0.48 | 0.73 | 0.81 | 0.95 |
| ES | 0.66 | 1.06 | 0.88 | 0.45 | 1.06 | 1.29 |
| FR | 0.25 | 0.32 | 0.69 | 1.68 | 0.68 | 0.86 |
| HR | 0.38 | 0.38 | 0.75 | 1.07 | 0.94 | 1.13 |
| IT | 3.32 | 3.86 | 4.32 | 3.95 | 4.02 | 4.37 |
| CY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LV | 0.23 | 0.18 | 0.25 | 0.34 | 0.46 | 0.45 |
| LT | 0.45 | 0.44 | 0.49 | 0.70 | 0.73 | 0.68 |
| LU | 0.49 | 0.55 | 0.55 | 0.63 | 0.60 | 0.65 |
| HU | 0.28 | 0.82 | 1.35 | 0.85 | 1.64 | 1.71 |
| MT | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 |
| NL | 1.03 | 1.97 | 2.04 | 1.34 | 2.83 | 2.65 |
| AT | 0.63 | 1.19 | 1.75 | 1.71 | 2.30 | 2.53 |
| PL | 0.38 | 0.28 | 0.43 | 0.54 | 1.16 | 1.24 |
| PT | 0.23 | 0.40 | 0.83 | 0.50 | 0.62 | 0.69 |
| RO | 0.07 | 0.07 | 0.20 | 0.07 | 0.24 | 0.39 |
| SI | 0.06 | 0.36 | 0.80 | 0.74 | 0.62 | 0.78 |
| SK | 0.30 | 0.51 | 0.69 | 0.63 | 1.12 | 1.29 |
| FI | 0.73 | 1.05 | 1.54 | 1.35 | 1.86 | 1.85 |
| SE | 0.66 | 1.57 | 1.25 | 1.28 | 1.19 | 0.80 |
| UK | 1.41 | 1.23 | 0.96 | 0.61 | 2.00 | 1.95 |

IMPORTS – ELECTRICITY – TOTAL – 1990-2015 (Mtoe)



Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.2.4 Imports – Electricity

RANKING

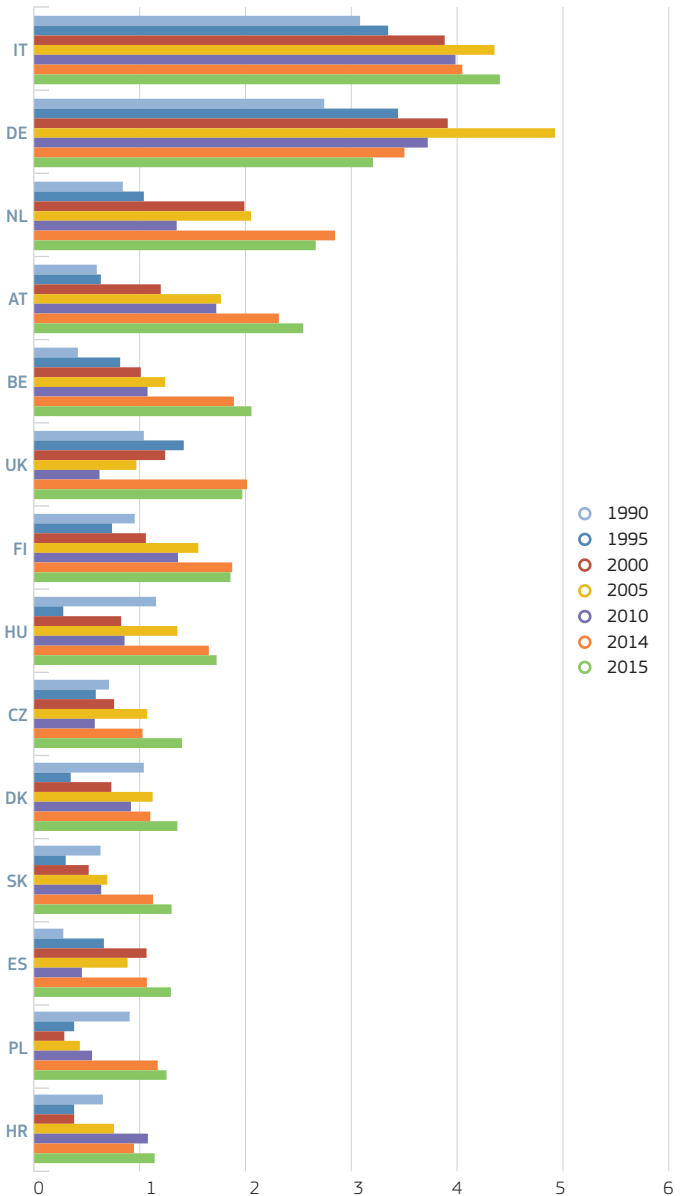
| Mtoe and % EU-28 Ranking | 1995 | | | 2015 | | |
|-----------------------------|------|-------------|---------------|------|-------------|---------------|
| | MS | Imports | EU-28 Share | MS | Imports | EU-28 Share |
| Electricity | | | | | | |
| 1 | DE | 3.4 | 20.1% | IT | 4.4 | 12.4% |
| 2 | IT | 3.3 | 19.6% | DE | 3.2 | 9.0% |
| 3 | UK | 1.4 | 8.3% | NL | 2.6 | 7.5% |
| 4 | NL | 1.0 | 6.1% | AT | 2.5 | 7.2% |
| 5 | BE | 0.8 | 4.8% | BE | 2.0 | 5.8% |
| 6 | FI | 0.7 | 4.3% | UK | 2.0 | 5.5% |
| 7 | SE | 0.7 | 3.9% | FI | 1.8 | 5.2% |
| 8 | ES | 0.7 | 3.9% | HU | 1.7 | 4.9% |
| 9 | AT | 0.6 | 3.7% | CZ | 1.4 | 3.9% |
| 10 | CZ | 0.6 | 3.4% | DK | 1.3 | 3.8% |
| 11 | LU | 0.5 | 2.9% | SK | 1.3 | 3.7% |
| 12 | LT | 0.5 | 2.7% | ES | 1.3 | 3.6% |
| 13 | HR | 0.4 | 2.2% | PL | 1.2 | 3.5% |
| 14 | PL | 0.4 | 2.2% | HR | 1.1 | 3.2% |
| 15 | DK | 0.3 | 2.0% | EL | 1.0 | 2.7% |
| 16 | SK | 0.3 | 1.7% | FR | 0.9 | 2.4% |
| 17 | HU | 0.3 | 1.6% | SE | 0.8 | 2.3% |
| 18 | FR | 0.2 | 1.4% | SI | 0.8 | 2.2% |
| 19 | LV | 0.2 | 1.3% | PT | 0.7 | 2.0% |
| 20 | PT | 0.2 | 1.3% | LT | 0.7 | 1.9% |
| 21 | BG | 0.2 | 1.0% | LU | 0.6 | 1.8% |
| 22 | EL | 0.1 | 0.7% | EE | 0.5 | 1.3% |
| 23 | RO | 0.1 | 0.4% | LV | 0.5 | 1.3% |
| 24 | SI | 0.1 | 0.4% | RO | 0.4 | 1.1% |
| 25 | EE | 0.0 | 0.1% | BG | 0.4 | 1.0% |
| 26 | IE | 0.0 | 0.0% | IE | 0.2 | 0.4% |
| 27 | CY | 0.0 | 0.0% | MT | 0.1 | 0.3% |
| 28 | MT | 0.0 | 0.0% | CY | 0.0 | 0.0% |
| Top 5 Total | | 10.0 | 58.7% | | 14.8 | 41.8% |
| Total | | 17.0 | 100.0% | | 35.3 | 100.0% |

Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.2.4 Imports – Electricity

BY MEMBER STATE – TOP 14 IMPORTERS
1990-2015 (Mtoe)

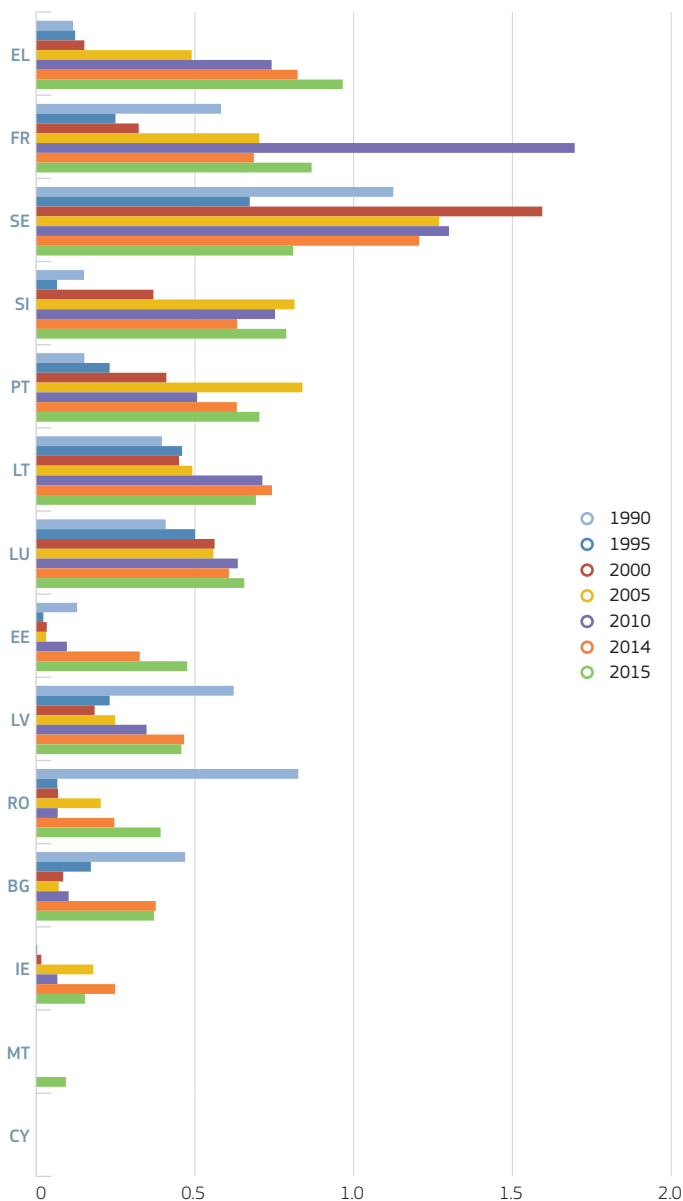


Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.2.4 Imports – Electricity

BY MEMBER STATE – LEAST 14 IMPORTERS
1990-2015 (Mtoe)



Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.2.5 Imports by Country of Origin

EU-28 – HARD COAL

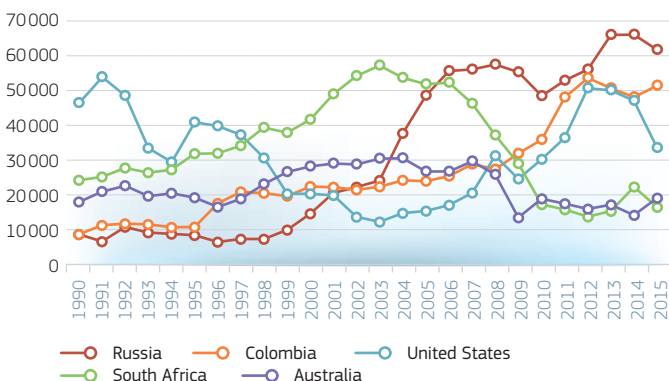
TOP 15 EXTRA-EU – (ORDERED BY 2015 VOLUME)

| kton | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|----------------|-------|-------|-------|-------|-------|-------|
| Russia | 8800 | 14966 | 48784 | 48666 | 66127 | 61837 |
| Colombia | 11181 | 22763 | 24253 | 36144 | 48307 | 51614 |
| United States | 41140 | 20665 | 15737 | 30519 | 47310 | 33914 |
| Australia | 19551 | 28608 | 27120 | 19251 | 14533 | 19422 |
| South Africa | 32108 | 41920 | 51988 | 17622 | 22620 | 16846 |
| Not specified | 6604 | 5229 | 3359 | 7594 | 6856 | 13438 |
| Indonesia | 3411 | 9102 | 14949 | 10158 | 7886 | 7626 |
| Canada | 4237 | 6378 | 6642 | 3637 | 5732 | 3377 |
| Mozambique | 0 | 107 | 0 | 0 | 736 | 1100 |
| Kazakhstan | 262 | 0 | 932 | 332 | 1124 | 1001 |
| Ukraine | 348 | 2058 | 4229 | 3183 | 2941 | 802 |
| Norway | 329 | 928 | 1124 | 1385 | 1532 | 676 |
| Venezuela | 2822 | 3621 | 2003 | 685 | 292 | 345 |
| Chile | 0 | 0 | 0 | 0 | 435 | 254 |
| Vietnam | 363 | 560 | 253 | 60 | 43 | 177 |
| Other extra-EU | 2504 | 1899 | 592 | 162 | 153 | 195 |

| kton | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|-----------------------------|--------|--------|--------|--------|--------|--------|
| Extra-EU | 133660 | 158804 | 201965 | 179398 | 226627 | 212624 |
| Intra-EU | 30115 | 31206 | 26519 | 22090 | 17024 | 18750 |
| Total Intra-EU and Extra-EU | 163775 | 190010 | 228484 | 201488 | 243651 | 231374 |

EU-28 – HARD COAL – TOP 5 IMPORTS FROM EXTRA-EU (1990-2015)

Volume (kton)



Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.2.5 Imports by Country of Origin

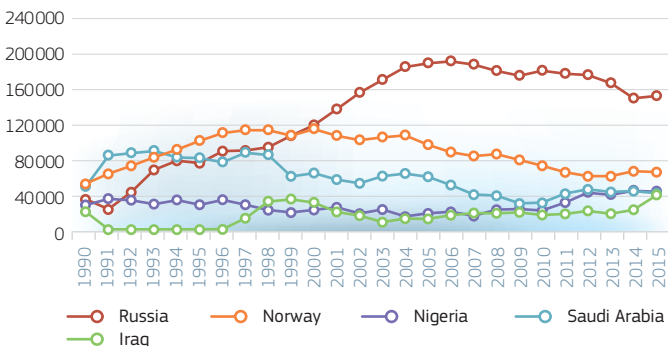
EU-28 – CRUDE OIL AND NGL

TOP 15 EXTRA-EU – (ORDERED BY 2015 VOLUME)

| kton | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|-----------------------------|---------|---------|---------|---------|---------|---------|
| Russia | 76 349 | 120 165 | 191 504 | 182 879 | 150 984 | 153 913 |
| Norway | 102 382 | 115 861 | 97 606 | 73 406 | 67 131 | 66 019 |
| Nigeria | 28 633 | 22 530 | 18 617 | 21 783 | 45 170 | 44 276 |
| Saudi Arabia | 82 630 | 65 089 | 60 740 | 30 759 | 44 218 | 41 728 |
| Iraq | 0 | 31 317 | 12 290 | 16 945 | 22 836 | 40 019 |
| Kazakhstan | 78 | 9 993 | 26 386 | 29 701 | 32 621 | 35 104 |
| Azerbaijan | 0 | 3 712 | 7 255 | 22 922 | 21 940 | 27 296 |
| Algeria | 17 069 | 21 434 | 22 776 | 8 252 | 22 915 | 24 518 |
| Angola | 4 758 | 3 861 | 7 065 | 8 479 | 16 486 | 22 167 |
| Mexico | 7 247 | 9 770 | 10 647 | 6 782 | 10 851 | 13 114 |
| Libya | 47 978 | 45 883 | 50 681 | 53 751 | 16 828 | 12 816 |
| Egypt | 6 950 | 5 579 | 1 716 | 4 654 | 5 975 | 7 794 |
| Kuwait | 12 239 | 9 741 | 7 618 | 3 420 | 4 816 | 6 649 |
| Venezuela | 9 929 | 6 944 | 6 988 | 5 001 | 6 183 | 5 502 |
| Other African countries* | 0 | 0 | 510 | 553 | 3 627 | 5 052 |
| other extra-EU | 114 269 | 71 106 | 62 082 | 61 804 | 29 162 | 28 290 |
| kton | | | | | | |
| Extra-EU | 510 511 | 542 985 | 584 481 | 531 091 | 501 743 | 534 257 |
| Intra-EU | 50 375 | 62 254 | 48 269 | 39 612 | 30 055 | 30 286 |
| Total Intra-EU and Extra-EU | 560 886 | 605 239 | 632 750 | 570 703 | 531 798 | 564 543 |
| Mio barrels | | | | | | |
| Extra-EU | 3 743 | 3 981 | 4 285 | 3 894 | 3 678 | 3 917 |
| Intra-EU | 369 | 456 | 354 | 290 | 220 | 222 |
| Total Intra-EU and Extra-EU | 4 112 | 4 437 | 4 639 | 4 184 | 3 899 | 4 139 |

EU-28 – CRUDE OIL AND NGL – TOP 5 IMPORTS FROM EXTRA-EU (1990-2015)

Volume (kton)



Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.2.5 Imports by Country of Origin

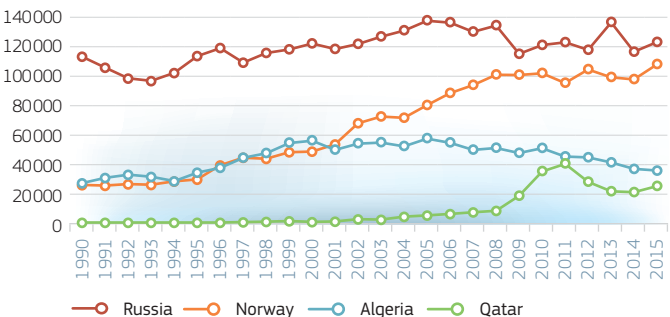
EU-28 – NATURAL GAS

TOP 8 EXTRA-EU SUPPLIERS – (ORDERED BY 2015 VOLUME)

| TJ (GCV) | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|------------------------------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Russia | 4245121 | 4582197 | 5207606 | 4555386 | 4422811 | 4674423 |
| Norway | 1159830 | 1921081 | 3040188 | 3905622 | 3731858 | 4107571 |
| Algeria | 1362649 | 2203075 | 2256826 | 1986974 | 1451855 | 1401603 |
| Qatar | 0 | 12443 | 195713 | 1383263 | 814597 | 974639 |
| Not specified | 61134 | 334765 | 937105 | 957962 | 763322 | 794091 |
| Libya | 54497 | 33442 | 209499 | 381660 | 248145 | 269748 |
| Nigeria | 0 | 172020 | 436319 | 576236 | 179042 | 259922 |
| Trinidad & Tobago | 0 | 36334 | 29673 | 206167 | 109214 | 76446 |
| Other Extra-EU | 47267 | 49082 | 475679 | 235075 | 81174 | 66274 |
| Extra-EU | 6930498 | 9344439 | 12788608 | 14188345 | 11802018 | 12624717 |
| Intra-EU | 1451229 | 1933316 | 2272283 | 2833535 | 3103701 | 3251534 |
| Total Intra-EU and Extra-EU | 8381727 | 11277755 | 15060891 | 17021880 | 14905719 | 15876251 |
| Mio m³ | | | | | | |
| Russia | 112079 | 120699 | 136283 | 119665 | 115166 | 121689 |
| Norway | 28968 | 47879 | 79259 | 100851 | 96680 | 106837 |
| Algeria | 33607 | 55513 | 57004 | 50360 | 36227 | 35036 |
| Qatar | 0 | 309 | 4859 | 34828 | 20672 | 24805 |
| Not specified | 1473 | 8126 | 23859 | 24111 | 19621 | 20432 |
| Libya | 1353 | 830 | 5445 | 9980 | 6513 | 7080 |
| Nigeria | 0 | 4385 | 10586 | 14024 | 4425 | 6440 |
| Trinidad & Tobago | 0 | 902 | 751 | 5142 | 2732 | 1948 |
| Other Extra-EU | 1172 | 1272 | 11962 | 5857 | 2034 | 1660 |
| Extra-EU | 178652 | 239915 | 330008 | 364818 | 304070 | 325927 |
| Intra-EU | 41582 | 54625 | 60169 | 75091 | 80875 | 84713 |
| Total Intra-EU and Extra-EU | 220234 | 294540 | 390177 | 439909 | 384945 | 410640 |

EU-28 – NATURAL GAS – TOP 4 IMPORTS FROM EXTRA-EU (1990-2015)

Volume (Mio m³)



Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.3 Energy Import Dependency

2.3.1 Import Dependency – All Fuels*

(%)

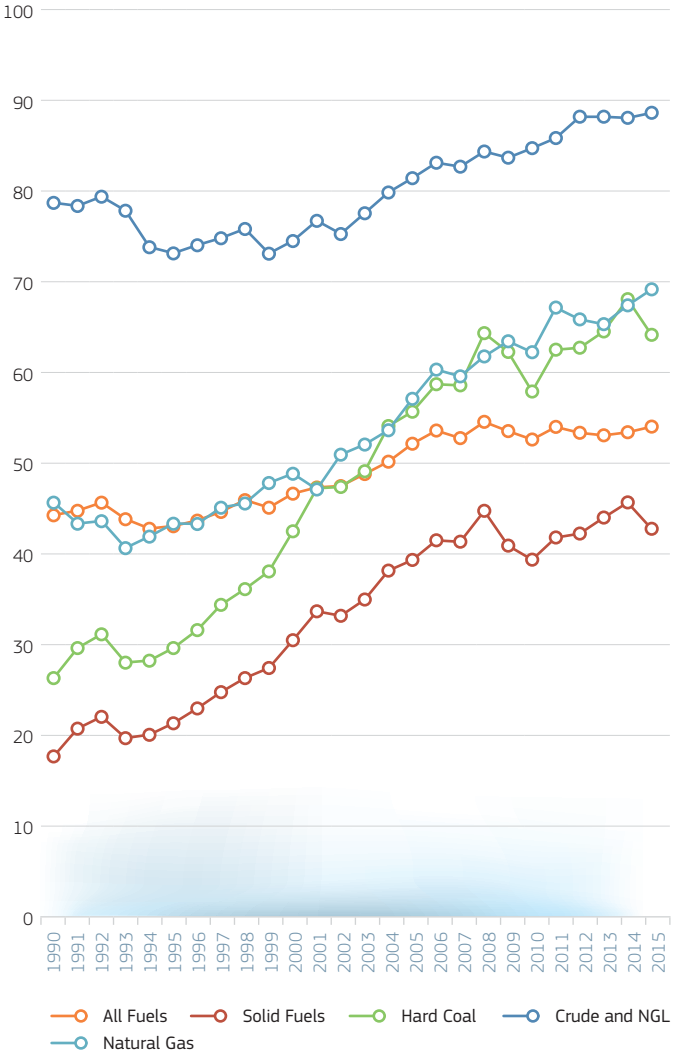
| Imports from Extra-EU | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|----------------------------|-------|-------|-------|-------|-------|-------|
| EU-28 | 43.1 | 46.7 | 52.1 | 52.6 | 53.4 | 54.0 |
| Index 1995 | 100.0 | 108.3 | 121.0 | 122.1 | 124.0 | 125.4 |
| Intra and Extra-EU Imports | | | | | | |
| BE | 80.8 | 78.1 | 80.1 | 78.2 | 80.0 | 84.3 |
| BG | 55.9 | 46.0 | 46.7 | 39.6 | 34.5 | 35.4 |
| CZ | 20.5 | 22.8 | 27.8 | 25.5 | 30.3 | 31.9 |
| DK | 33.4 | -35.0 | -49.8 | -15.7 | 12.2 | 13.1 |
| DE | 56.8 | 59.4 | 60.5 | 60.3 | 61.7 | 61.9 |
| EE | 32.3 | 32.2 | 26.1 | 13.6 | 8.9 | 7.4 |
| IE | 69.5 | 84.8 | 89.6 | 86.6 | 85.3 | 88.7 |
| EL | 66.7 | 69.5 | 68.6 | 69.1 | 66.2 | 71.7 |
| ES | 71.7 | 76.6 | 81.4 | 76.7 | 72.9 | 73.3 |
| FR | 48.0 | 51.5 | 51.6 | 49.0 | 46.1 | 46.0 |
| HR | 36.1 | 48.4 | 52.5 | 46.6 | 43.8 | 48.3 |
| IT | 81.9 | 86.5 | 83.4 | 82.6 | 75.9 | 77.1 |
| CY | 100.5 | 98.6 | 100.7 | 100.8 | 93.2 | 97.7 |
| LV | 70.4 | 61.0 | 63.9 | 45.5 | 40.6 | 51.2 |
| LT | 63.1 | 59.4 | 56.8 | 81.8 | 78.0 | 78.4 |
| LU | 97.7 | 99.6 | 97.4 | 97.1 | 96.5 | 95.9 |
| HU | 47.9 | 55.2 | 63.1 | 56.4 | 59.3 | 53.4 |
| MT | 104.8 | 100.3 | 100.0 | 99.0 | 97.7 | 97.3 |
| NL | 20.1 | 38.1 | 37.8 | 30.1 | 33.3 | 52.1 |
| AT | 66.4 | 65.4 | 71.8 | 62.9 | 66.1 | 60.8 |
| PL | -1.2 | 9.9 | 17.2 | 31.3 | 28.6 | 29.3 |
| PT | 85.3 | 85.1 | 88.6 | 75.1 | 71.2 | 77.4 |
| RO | 30.3 | 21.8 | 27.6 | 21.9 | 17.1 | 17.1 |
| SI | 50.9 | 52.8 | 52.5 | 48.7 | 44.5 | 48.7 |
| SK | 68.5 | 65.6 | 65.3 | 63.1 | 60.9 | 58.7 |
| FI | 53.6 | 55.1 | 54.1 | 47.8 | 48.9 | 46.8 |
| SE | 38.9 | 40.7 | 36.8 | 36.6 | 32.0 | 30.1 |
| UK | -16.4 | -16.9 | 13.4 | 28.2 | 45.5 | 37.4 |

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

Source: Eurostat, May 2017
Methodology and Notes: [See Appendix 13 – No 2](#)

2.3.2 Import Dependency – By Fuel

EU-28 – IMPORTS FROM EXTRA-EU – 1990-2015 (%)



Source: Eurostat, May 2017
 Methodology and Notes: See Appendix 13 – No 2

2.3.3 Import Dependency – Solid Fuels *

(%)

| Imports from Extra-EU | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|----------------------------|-------|-------|-------|-------|-------|-------|
| EU-28 | 21.5 | 30.6 | 39.4 | 39.4 | 45.7 | 42.8 |
| Index 1995 | 100.0 | 142.5 | 183.5 | 183.7 | 213.0 | 199.4 |
| Intra and Extra-EU Imports | | | | | | |
| BE | 108.9 | 91.2 | 101.3 | 98.3 | 101.6 | 97.2 |
| BG | 31.8 | 35.1 | 37.0 | 24.7 | 14.5 | 11.2 |
| CZ | -25.5 | -21.8 | -16.1 | -15.1 | -4.2 | -1.8 |
| DK | 117.9 | 94.9 | 94.4 | 69.4 | 104.9 | 85.0 |
| DE | 11.2 | 25.5 | 31.7 | 40.1 | 44.8 | 45.5 |
| EE | 8.4 | 9.1 | 0.8 | -0.6 | 0.2 | -0.3 |
| IE | 64.9 | 64.6 | 70.8 | 49.1 | 60.0 | 66.7 |
| EL | 11.0 | 8.5 | 4.1 | 5.1 | 2.9 | 2.8 |
| ES | 45.4 | 61.3 | 70.1 | 85.5 | 77.1 | 78.3 |
| FR | 56.8 | 86.4 | 94.5 | 101.0 | 98.6 | 98.4 |
| HR | 85.7 | 110.9 | 91.4 | 102.3 | 92.4 | 103.1 |
| IT | 105.9 | 104.6 | 99.4 | 101.0 | 98.7 | 100.2 |
| CY | 100.0 | 100.0 | 119.4 | 64.7 | 150.0 | 100.0 |
| LV | 61.6 | 46.2 | 93.9 | 102.8 | 76.7 | 87.0 |
| LT | 64.4 | 87.0 | 94.6 | 92.0 | 89.4 | 87.2 |
| LU | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| HU | 29.5 | 28.2 | 42.9 | 41.9 | 28.3 | 34.0 |
| MT | | | | | | |
| NL | 97.9 | 102.0 | 101.5 | 121.7 | 108.9 | 112.4 |
| AT | 75.7 | 83.9 | 99.3 | 99.4 | 100.9 | 85.2 |
| PL | -30.2 | -29.1 | -23.9 | -5.2 | -8.7 | -11.6 |
| PT | 105.8 | 102.9 | 96.3 | 98.3 | 96.9 | 100.0 |
| RO | 26.5 | 25.6 | 33.4 | 17.6 | 17.4 | 17.4 |
| SI | 13.6 | 18.7 | 21.0 | 19.2 | 21.4 | 18.9 |
| SK | 76.7 | 80.2 | 88.4 | 75.7 | 83.3 | 84.6 |
| FI | 63.4 | 68.9 | 67.4 | 57.5 | 80.3 | 61.2 |
| SE | 95.4 | 98.3 | 97.2 | 102.2 | 94.7 | 92.3 |
| UK | 22.2 | 39.6 | 71.9 | 51.9 | 87.5 | 65.4 |

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

Source: Eurostat, May 2017
Methodology and Notes: [See Appendix 13 – No 2](#)

2.3.4 Import Dependency – Hard Coal *

(%)

| Imports from Extra-EU | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|----------------------------|-------|-------|-------|-------|-------|-------|
| EU-28 | 29.7 | 42.6 | 55.7 | 57.9 | 68.0 | 64.1 |
| Index 1995 | 100.0 | 143.2 | 187.3 | 194.8 | 228.9 | 215.6 |
| Intra and Extra-EU Imports | | | | | | |
| BE | 108.5 | 90.4 | 100.9 | 100.7 | 103.2 | 96.5 |
| BG | 73.0 | 100.5 | 94.7 | 88.3 | 73.9 | 94.9 |
| CZ | -34.2 | -56.1 | -49.4 | -54.3 | -18.1 | -9.1 |
| DK | 118.0 | 94.7 | 94.3 | 69.3 | 104.9 | 85.0 |
| DE | 17.1 | 39.2 | 57.5 | 73.7 | 86.5 | 87.6 |
| EE | 101.9 | 116.4 | 97.2 | 117.9 | 103.9 | 26.3 |
| IE | 105.9 | 93.2 | 100.8 | 79.3 | 96.7 | 102.7 |
| EL | 95.2 | 105.9 | 112.5 | 100.3 | 109.8 | 91.4 |
| ES | 48.5 | 66.8 | 74.4 | 85.4 | 76.8 | 78.2 |
| FR | 58.0 | 87.3 | 92.9 | 100.6 | 97.5 | 96.8 |
| HR | 73.9 | 112.9 | 90.5 | 102.7 | 92.3 | 102.5 |
| IT | 105.6 | 105.7 | 99.7 | 101.5 | 99.0 | 100.5 |
| CY | 100.0 | 100.0 | 119.4 | 64.7 | 150.0 | 100.0 |
| LV | 93.6 | 81.8 | 97.3 | 106.7 | 78.0 | 87.0 |
| LT | 69.1 | 100.0 | 102.6 | 95.3 | 97.3 | 90.1 |
| LU | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| HU | 103.5 | 99.0 | 105.1 | 99.5 | 101.0 | 99.3 |
| MT | | | | | | |
| NL | 97.4 | 101.5 | 100.3 | 122.3 | 109.3 | 112.8 |
| AT | 88.3 | 91.6 | 107.1 | 97.5 | 101.7 | 82.9 |
| PL | -31.7 | -29.9 | -21.3 | 3.7 | 1.0 | -2.4 |
| PT | 105.9 | 103.4 | 96.3 | 98.2 | 96.9 | 100.0 |
| RO | 81.7 | 96.0 | 102.2 | 100.9 | 87.0 | 95.3 |
| SI | 100.0 | 100.5 | 93.8 | 100.9 | 103.8 | 96.7 |
| SK | 92.9 | 103.8 | 105.2 | 91.9 | 98.5 | 97.5 |
| FI | 89.0 | 97.7 | 102.6 | 85.5 | 118.5 | 89.9 |
| SE | 101.6 | 107.7 | 104.3 | 115.2 | 103.9 | 99.5 |
| UK | 21.8 | 39.4 | 71.3 | 52.1 | 86.8 | 64.5 |

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

Source: Eurostat, May 2017
Methodology and Notes: [See Appendix 13 – No 2](#)

2.3.5 Import Dependency – Petroleum and Products *

(%)

| Imports from Extra-EU | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|----------------------------|-------|-------|--------|-------|-------|-------|
| EU-28 | 74.1 | 75.7 | 82.1 | 84.5 | 87.5 | 88.8 |
| Index 1995 | 100.0 | 102.2 | 110.8 | 114.0 | 118.1 | 119.9 |
| Intra and Extra-EU Imports | | | | | | |
| BE | 99.6 | 100.2 | 100.8 | 101.4 | 101.1 | 103.8 |
| BG | 99.6 | 95.4 | 102.2 | 101.1 | 97.9 | 99.1 |
| CZ | 98.0 | 95.3 | 97.5 | 96.5 | 97.6 | 97.8 |
| DK | 11.0 | -80.8 | -102.7 | -43.4 | -9.5 | 5.8 |
| DE | 95.8 | 94.6 | 97.1 | 96.5 | 95.7 | 96.4 |
| EE | 80.2 | 77.4 | 70.8 | 57.5 | 51.6 | 39.3 |
| IE | 100.1 | 98.8 | 100.0 | 97.2 | 97.6 | 103.9 |
| EL | 98.4 | 100.2 | 97.7 | 98.7 | 99.9 | 105.4 |
| ES | 101.5 | 101.0 | 101.2 | 99.9 | 101.7 | 102.1 |
| FR | 96.9 | 99.5 | 99.3 | 97.7 | 98.5 | 98.5 |
| HR | 55.6 | 61.0 | 79.4 | 80.4 | 74.0 | 79.7 |
| IT | 93.3 | 96.1 | 91.8 | 93.5 | 88.6 | 89.5 |
| CY | 102.6 | 100.3 | 102.3 | 104.2 | 97.9 | 102.9 |
| LV | 102.6 | 94.8 | 102.2 | 94.4 | 92.4 | 102.9 |
| LT | 114.5 | 100.4 | 91.9 | 98.7 | 93.0 | 100.7 |
| LU | 98.2 | 102.1 | 99.4 | 99.4 | 100.3 | 99.3 |
| HU | 71.0 | 76.0 | 81.2 | 84.7 | 87.7 | 93.2 |
| MT | 104.8 | 100.3 | 100.1 | 99.2 | 98.3 | 97.8 |
| NL | 85.7 | 97.4 | 96.2 | 94.2 | 91.9 | 101.5 |
| AT | 89.3 | 89.1 | 91.6 | 89.9 | 91.6 | 94.0 |
| PL | 95.9 | 98.7 | 97.5 | 97.0 | 93.1 | 96.8 |
| PT | 100.6 | 99.4 | 102.3 | 97.5 | 95.5 | 99.7 |
| RO | 48.6 | 34.2 | 38.5 | 51.9 | 54.0 | 53.4 |
| SI | 97.8 | 101.5 | 101.2 | 99.2 | 97.7 | 99.6 |
| SK | 100.6 | 90.5 | 88.2 | 89.5 | 91.0 | 89.4 |
| FI | 94.6 | 103.5 | 98.4 | 89.4 | 94.8 | 104.5 |
| SE | 95.6 | 100.8 | 104.0 | 93.6 | 101.7 | 105.4 |
| UK | -57.4 | -54.9 | -3.2 | 14.1 | 42.1 | 36.4 |

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

Source: Eurostat, May 2017
Methodology and Notes: [See Appendix 13 – No 2](#)

2.3.6 Import Dependency – Crude and NGL* (%)

| Imports from Extra-EU | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|----------------------------|-------|--------|--------|-------|-------|-------|
| EU-28 | 73.0 | 74.4 | 81.3 | 84.6 | 87.9 | 88.4 |
| Index 1995 | 100.0 | 101.9 | 111.3 | 115.8 | 120.4 | 121.1 |
| Intra and Extra-EU Imports | | | | | | |
| BE | 99.8 | 100.2 | 99.5 | 99.9 | 100.1 | 100.0 |
| BG | 99.7 | 98.7 | 97.7 | 99.1 | 99.0 | 100.5 |
| CZ | 100.2 | 95.2 | 99.3 | 97.6 | 98.2 | 98.4 |
| DK | 6.3 | -120.5 | -141.3 | -68.8 | -19.4 | -5.0 |
| DE | 96.9 | 93.8 | 97.3 | 97.3 | 97.6 | 97.1 |
| EE | | | | | | |
| IE | 100.2 | 89.8 | 98.8 | 101.6 | 98.1 | 108.2 |
| EL | 98.8 | 99.5 | 95.2 | 99.5 | 100.4 | 101.5 |
| ES | 99.1 | 100.6 | 100.1 | 99.3 | 100.0 | 99.5 |
| FR | 95.8 | 98.5 | 98.2 | 98.2 | 98.0 | 98.8 |
| HR | 69.2 | 72.1 | 78.9 | 82.2 | 75.6 | 79.6 |
| IT | 92.8 | 95.1 | 94.0 | 94.5 | 90.7 | 92.2 |
| CY | 96.3 | 98.5 | | | | |
| LV | | | | | | |
| LT | 99.5 | 94.5 | 95.3 | 99.0 | 98.8 | 99.5 |
| LU | | | | | | |
| HU | 71.9 | 78.6 | 81.2 | 85.2 | 89.2 | 91.3 |
| MT | | | | | | |
| NL | 94.2 | 96.7 | 96.7 | 97.6 | 94.4 | 98.0 |
| AT | 87.6 | 86.9 | 88.5 | 86.2 | 89.0 | 90.8 |
| PL | 97.1 | 99.1 | 97.3 | 98.4 | 96.5 | 100.5 |
| PT | 100.0 | 99.0 | 100.2 | 98.8 | 97.7 | 100.9 |
| RO | 54.9 | 43.5 | 61.3 | 56.5 | 64.1 | 62.4 |
| SI | 95.9 | 87.5 | | | | |
| SK | 101.5 | 97.6 | 97.7 | 99.9 | 101.1 | 99.3 |
| FI | 94.1 | 101.5 | 97.5 | 101.1 | 99.3 | 104.1 |
| SE | 99.3 | 100.6 | 100.4 | 99.0 | 99.4 | 100.7 |
| UK | -47.7 | -48.0 | -0.2 | 12.7 | 32.4 | 22.9 |

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

Source: Eurostat, May 2017
Methodology and Notes: [See Appendix 13 – No 2](#)

2.3.7 Import Dependency – Natural Gas*

(%)

| Imports from Extra-EU | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|----------------------------|-------|-------|--------|-------|-------|-------|
| EU-28 | 43.4 | 48.9 | 57.1 | 62.2 | 67.3 | 69.1 |
| Index 1995 | 100.0 | 112.7 | 131.6 | 143.4 | 155.2 | 159.3 |
| Intra and Extra-EU Imports | | | | | | |
| BE | 98.2 | 99.3 | 100.5 | 100.3 | 101.2 | 99.3 |
| BG | 99.5 | 93.6 | 87.7 | 92.7 | 94.0 | 97.0 |
| CZ | 98.0 | 99.8 | 97.8 | 84.8 | 96.3 | 95.1 |
| DK | -47.2 | -64.8 | -113.9 | -68.3 | -46.9 | -48.2 |
| DE | 78.6 | 79.1 | 79.6 | 81.2 | 89.4 | 90.1 |
| EE | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IE | 3.6 | 72.1 | 86.7 | 95.5 | 96.5 | 96.5 |
| EL | 0.0 | 99.1 | 99.1 | 99.9 | 99.3 | 99.9 |
| ES | 97.4 | 101.6 | 101.4 | 99.4 | 103.5 | 96.9 |
| FR | 93.0 | 100.0 | 99.3 | 93.0 | 103.6 | 98.7 |
| HR | 11.6 | 41.0 | 23.7 | 18.1 | 28.6 | 27.1 |
| IT | 63.9 | 81.1 | 84.7 | 90.5 | 89.7 | 90.4 |
| CY | | | | | | |
| LV | 98.9 | 101.9 | 105.6 | 61.8 | 72.1 | 98.6 |
| LT | 100.0 | 100.0 | 100.7 | 99.7 | 104.1 | 99.7 |
| LU | 100.0 | 100.0 | 100.0 | 100.0 | 99.5 | 99.4 |
| HU | 60.3 | 75.4 | 81.1 | 78.7 | 97.7 | 69.7 |
| MT | | | | | | |
| NL | -76.4 | -49.1 | -59.3 | -61.6 | -73.1 | -32.1 |
| AT | 84.8 | 80.6 | 88.5 | 75.3 | 96.8 | 72.5 |
| PL | 64.6 | 66.3 | 69.7 | 69.3 | 72.0 | 72.2 |
| PT | | 100.2 | 103.8 | 100.4 | 100.1 | 99.8 |
| RO | 24.9 | 19.8 | 30.1 | 16.8 | 5.0 | 1.8 |
| SI | 100.5 | 99.3 | 99.6 | 99.3 | 99.5 | 99.7 |
| SK | 86.8 | 98.8 | 97.5 | 99.9 | 104.8 | 95.1 |
| FI | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 99.7 |
| SE | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| UK | 1.0 | -10.7 | 7.0 | 37.9 | 44.9 | 41.8 |

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

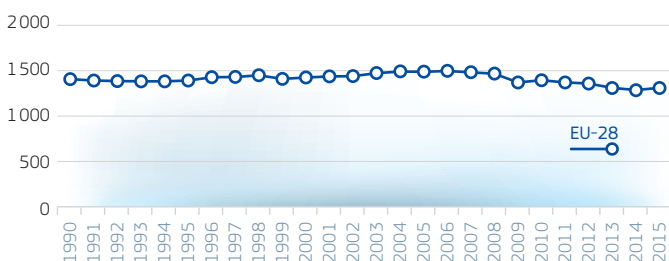
Source: Eurostat, May 2017
Methodology and Notes: [See Appendix 13 – No 2](#)

2.4 Energy Transformation

2.4.1 Transformation Input – All Fuels

| Mtoe | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|------------|---------|---------|---------|---------|---------|---------|
| EU-28 | 1 397.3 | 1 434.1 | 1 504.2 | 1 398.4 | 1 278.3 | 1 304.2 |
| Index 1995 | 100 % | 103 % | 108 % | 100 % | 91 % | 93 % |
| BE | 51.36 | 61.54 | 60.49 | 58.68 | 52.12 | 50.55 |
| BG | 23.49 | 18.20 | 20.19 | 18.85 | 18.78 | 19.06 |
| CZ | 33.11 | 30.61 | 35.46 | 35.54 | 33.83 | 32.50 |
| DK | 19.19 | 16.81 | 15.38 | 15.68 | 12.58 | 14.15 |
| DE | 268.82 | 264.63 | 276.08 | 250.59 | 235.29 | 234.01 |
| EE | 3.70 | 3.41 | 3.89 | 4.68 | 4.88 | 4.34 |
| IE | 6.30 | 8.33 | 8.06 | 7.65 | 6.59 | 7.34 |
| EL | 27.08 | 34.06 | 33.95 | 33.42 | 36.74 | 36.60 |
| ES | 94.09 | 106.42 | 114.63 | 102.18 | 102.13 | 110.69 |
| FR | 198.86 | 218.10 | 228.40 | 206.52 | 187.35 | 190.95 |
| HR | 6.50 | 6.64 | 6.81 | 5.68 | 4.14 | 4.60 |
| IT | 141.98 | 150.89 | 165.68 | 149.47 | 114.24 | 124.14 |
| CY | 1.48 | 2.07 | 1.08 | 1.18 | 0.90 | 0.92 |
| LV | 1.49 | 1.09 | 1.06 | 1.16 | 1.12 | 1.19 |
| LT | 8.46 | 8.85 | 13.94 | 11.29 | 9.41 | 10.39 |
| LU | 0.28 | 0.10 | 0.58 | 0.56 | 0.33 | 0.24 |
| HU | 20.05 | 18.95 | 18.77 | 19.60 | 17.01 | 16.86 |
| MT | 0.45 | 0.49 | 0.73 | 0.58 | 0.50 | 0.26 |
| NL | 82.75 | 83.04 | 85.41 | 85.84 | 81.78 | 85.87 |
| AT | 15.90 | 15.20 | 17.42 | 16.74 | 15.99 | 16.76 |
| PL | 68.92 | 69.51 | 69.86 | 75.97 | 74.66 | 77.65 |
| PT | 19.53 | 19.52 | 21.87 | 17.94 | 18.67 | 22.36 |
| RO | 36.90 | 26.90 | 29.77 | 23.88 | 23.06 | 23.33 |
| SI | 3.30 | 2.78 | 3.12 | 3.08 | 2.84 | 2.68 |
| SK | 14.26 | 15.55 | 16.64 | 15.01 | 14.42 | 15.07 |
| FI | 25.67 | 28.35 | 29.38 | 33.54 | 30.99 | 28.48 |
| SE | 45.28 | 44.24 | 46.58 | 45.86 | 44.62 | 43.47 |
| UK | 178.14 | 177.78 | 178.99 | 157.26 | 133.29 | 129.77 |

TRANSFORMATION INPUT – ALL FUELS – 1990-2015 (Mtoe)



Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.4.2 Transformation Input – By Fuel

| | 2015 | | | | | | |
|-----------|------------------------|-------------|---------------------------|-------|---------|------------|----------------|
| | Total, All Products | Solid Fuels | Petroleum and Products | Gases | Nuclear | Renewables | Wastes non-RES |
| Mtoe | | | | | | | |
| EU-28 | 1 304.2 | 247.4 | 657.0 | 107.9 | 221.2 | 59.5 | 9.8 |
| Share (%) | 100.0% | 19.0% | 50.4% | 8.3% | 17.0% | 4.6% | 0.7% |
| BE | 50.55 | 2.23 | 35.48 | 4.07 | 6.73 | 1.29 | 0.50 |
| BG | 19.06 | 7.14 | 6.92 | 0.95 | 3.98 | 0.06 | 0.00 |
| CZ | 32.50 | 14.79 | 7.71 | 1.83 | 6.95 | 1.15 | 0.06 |
| DK | 14.15 | 1.62 | 9.23 | 0.84 | 0.00 | 2.04 | 0.41 |
| DE | 234.01 | 77.44 | 101.18 | 16.42 | 23.68 | 12.07 | 3.21 |
| EE | 4.34 | 3.62 | 0.04 | 0.29 | 0.00 | 0.36 | 0.04 |
| IE | 7.34 | 1.76 | 3.50 | 1.94 | 0.00 | 0.12 | 0.03 |
| EL | 36.60 | 5.40 | 29.78 | 1.32 | 0.00 | 0.08 | 0.03 |
| ES | 110.69 | 13.84 | 69.27 | 8.56 | 14.78 | 3.98 | 0.25 |
| FR | 190.95 | 6.90 | 61.58 | 5.01 | 112.84 | 3.11 | 1.19 |
| HR | 4.60 | 0.52 | 3.47 | 0.50 | 0.00 | 0.10 | 0.00 |
| IT | 124.14 | 11.86 | 79.68 | 20.97 | 0.00 | 10.75 | 0.88 |
| CY | 0.92 | 0.00 | 0.91 | 0.00 | 0.00 | 0.01 | 0.00 |
| LV | 1.19 | 0.00 | 0.00 | 0.76 | 0.00 | 0.43 | 0.00 |
| LT | 10.39 | 0.01 | 9.11 | 0.58 | 0.00 | 0.62 | 0.02 |
| LU | 0.24 | 0.00 | 0.00 | 0.17 | 0.00 | 0.05 | 0.02 |
| HU | 16.86 | 2.61 | 7.40 | 1.94 | 4.10 | 0.74 | 0.07 |
| MT | 0.26 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| NL | 85.87 | 10.85 | 62.22 | 8.91 | 1.05 | 1.66 | 0.76 |
| AT | 16.76 | 2.66 | 9.24 | 2.30 | 0.00 | 2.14 | 0.42 |
| PL | 77.65 | 44.45 | 27.61 | 3.08 | 0.00 | 2.44 | 0.04 |
| PT | 22.36 | 3.25 | 15.69 | 2.34 | 0.00 | 0.98 | 0.10 |
| RO | 23.33 | 5.19 | 12.09 | 2.84 | 3.00 | 0.20 | 0.00 |
| SI | 2.68 | 1.02 | 0.01 | 0.10 | 1.46 | 0.08 | 0.01 |
| SK | 15.07 | 3.04 | 6.57 | 0.92 | 3.95 | 0.56 | 0.02 |
| FI | 28.48 | 3.94 | 13.24 | 1.61 | 6.00 | 3.42 | 0.19 |
| SE | 43.47 | 1.78 | 21.22 | 0.39 | 14.54 | 4.73 | 0.62 |
| UK | 129.77 | 21.50 | 63.61 | 19.30 | 18.15 | 6.32 | 0.90 |

Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.4.3 Transformation Input – By Sector

| Mtoe | 2015 | | | | | |
|-----------|--------------------|-------------------------------------|------------------------|-------------------------|--|-------------------------------------|
| | Total, All Sectors | Conventional Thermal Power Stations | Nuclear Power Stations | District Heating Plants | Refineries, Petroleum and sub-products | Other Transformation Input Industry |
| EU-28 | 1 304.2 | 361.1 | 221.2 | 19.7 | 642.1 | 60.2 |
| Share (%) | 100.0% | 27.7% | 17.0% | 1.5% | 49.2% | 4.6% |
| BE | 50.55 | 6.58 | 6.73 | 0.00 | 35.47 | 1.76 |
| BG | 19.06 | 7.08 | 3.98 | 0.23 | 6.75 | 1.03 |
| CZ | 32.50 | 13.91 | 6.95 | 0.65 | 7.66 | 3.33 |
| DK | 14.15 | 4.03 | 0.00 | 0.98 | 9.13 | 0.02 |
| DE | 234.01 | 89.51 | 23.68 | 4.14 | 100.07 | 16.60 |
| EE | 4.34 | 2.84 | 0.00 | 0.30 | 0.00 | 1.20 |
| IE | 7.34 | 3.79 | 0.00 | 0.00 | 3.43 | 0.12 |
| EL | 36.60 | 7.92 | 0.00 | 0.00 | 28.67 | 0.00 |
| ES | 110.69 | 27.87 | 14.78 | 0.00 | 65.92 | 2.12 |
| FR | 190.95 | 10.99 | 112.84 | 1.69 | 60.98 | 4.46 |
| HR | 4.60 | 1.03 | 0.00 | 0.07 | 3.42 | 0.09 |
| IT | 124.14 | 46.78 | 0.00 | 0.13 | 75.16 | 2.07 |
| CY | 0.92 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| LV | 1.19 | 0.97 | 0.00 | 0.20 | 0.00 | 0.02 |
| LT | 10.39 | 0.76 | 0.00 | 0.56 | 9.08 | 0.00 |
| LU | 0.24 | 0.23 | 0.00 | 0.01 | 0.00 | 0.01 |
| HU | 16.86 | 3.32 | 4.10 | 0.78 | 7.38 | 1.27 |
| MT | 0.26 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| NL | 85.87 | 19.77 | 1.05 | 0.54 | 61.34 | 3.17 |
| AT | 16.76 | 4.59 | 0.00 | 0.97 | 9.16 | 2.03 |
| PL | 77.65 | 36.72 | 0.00 | 2.66 | 27.47 | 10.80 |
| PT | 22.36 | 6.65 | 0.00 | 0.00 | 15.44 | 0.26 |
| RO | 23.33 | 7.66 | 3.00 | 0.48 | 11.85 | 0.34 |
| SI | 2.68 | 1.18 | 1.46 | 0.04 | 0.00 | 0.00 |
| SK | 15.07 | 2.15 | 3.95 | 0.33 | 6.37 | 2.27 |
| FI | 28.48 | 6.35 | 6.00 | 1.46 | 13.04 | 1.63 |
| SE | 43.47 | 5.14 | 14.54 | 1.20 | 21.13 | 1.47 |
| UK | 129.77 | 42.05 | 18.15 | 2.26 | 63.18 | 4.13 |

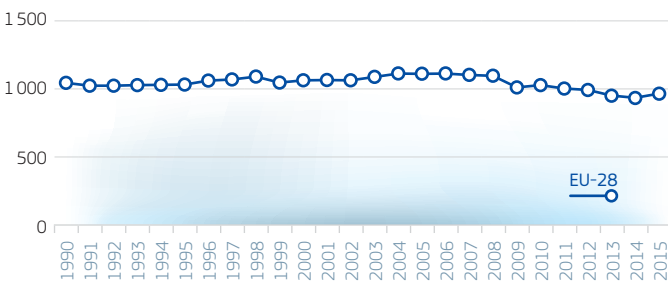
Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.4.4 Transformation Output – All Fuels

| Mtoe | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|------------|--------|--------|--------|--------|--------|--------|
| EU-28 | 1026.6 | 1056.5 | 1103.1 | 1022.2 | 932.2 | 962.8 |
| Index 1995 | 100% | 103% | 107% | 100% | 91% | 94% |
| BE | 39.85 | 49.65 | 48.44 | 46.39 | 43.77 | 43.28 |
| BG | 15.81 | 11.40 | 12.61 | 11.58 | 11.55 | 11.86 |
| CZ | 21.85 | 19.56 | 22.47 | 22.35 | 21.13 | 20.41 |
| DK | 15.83 | 14.01 | 13.32 | 13.47 | 11.37 | 13.40 |
| DE | 190.24 | 188.46 | 199.84 | 177.68 | 168.31 | 169.54 |
| EE | 1.69 | 1.52 | 1.66 | 1.91 | 1.74 | 1.48 |
| IE | 3.91 | 5.41 | 5.36 | 5.18 | 4.58 | 5.28 |
| EL | 21.19 | 26.84 | 26.24 | 26.55 | 31.11 | 31.92 |
| ES | 71.54 | 79.39 | 85.48 | 78.39 | 77.93 | 84.41 |
| FR | 127.11 | 140.68 | 142.41 | 123.01 | 106.68 | 109.46 |
| HR | 6.00 | 6.00 | 6.06 | 5.09 | 3.59 | 4.03 |
| IT | 114.66 | 119.80 | 133.23 | 120.58 | 90.60 | 99.55 |
| CY | 1.05 | 1.47 | 0.38 | 0.46 | 0.35 | 0.36 |
| LV | 1.19 | 0.87 | 0.88 | 0.95 | 0.88 | 0.92 |
| LT | 6.04 | 7.11 | 11.81 | 10.98 | 9.41 | 10.33 |
| LU | 0.18 | 0.04 | 0.35 | 0.34 | 0.20 | 0.14 |
| HU | 14.19 | 13.35 | 13.42 | 13.95 | 12.42 | 12.21 |
| MT | 0.14 | 0.17 | 0.19 | 0.18 | 0.19 | 0.10 |
| NL | 73.97 | 74.23 | 75.68 | 75.61 | 72.36 | 76.09 |
| AT | 13.45 | 13.36 | 14.91 | 14.41 | 14.21 | 14.78 |
| PL | 46.70 | 47.97 | 48.42 | 54.79 | 53.84 | 56.71 |
| PT | 16.15 | 15.79 | 17.69 | 15.06 | 15.48 | 18.52 |
| RO | 28.82 | 20.70 | 23.79 | 17.54 | 17.38 | 17.38 |
| SI | 1.65 | 1.24 | 1.24 | 1.24 | 1.13 | 1.13 |
| SK | 9.96 | 11.03 | 12.17 | 11.17 | 10.57 | 11.20 |
| FI | 19.83 | 22.46 | 23.27 | 26.22 | 24.72 | 22.71 |
| SE | 32.79 | 33.76 | 33.26 | 34.49 | 32.54 | 32.85 |
| UK | 130.84 | 130.20 | 128.51 | 112.71 | 94.17 | 92.72 |

TRANSFORMATION OUTPUT – ALL FUELS – 1990-2015 (Mtoe)



Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.4.5 Transformation Output – By Fuel

| | 2015 | | | | | |
|-----------|---------------------|-------------|------------------------|-------|-------------|--------------|
| | Total, All Products | Solid Fuels | Petroleum and Products | Gases | Electricity | Derived Heat |
| Mtoe | | | | | | |
| EU-28 | 962.8 | 32.0 | 641.9 | 20.8 | 211.4 | 56.6 |
| Share (%) | 100.0% | 3.3% | 66.7% | 2.2% | 22.0% | 5.9% |
| BE | 43.28 | 0.88 | 35.47 | 0.82 | 5.21 | 0.90 |
| BG | 11.86 | 0.45 | 6.74 | 0.00 | 3.46 | 1.20 |
| CZ | 20.41 | 1.76 | 7.66 | 1.38 | 6.71 | 2.90 |
| DK | 13.40 | 0.00 | 9.12 | 0.00 | 1.22 | 3.06 |
| DE | 169.54 | 9.17 | 100.03 | 6.07 | 43.34 | 10.93 |
| EE | 1.48 | 0.01 | 0.00 | 0.13 | 0.83 | 0.51 |
| IE | 5.28 | 0.07 | 3.43 | 0.00 | 1.78 | 0.00 |
| EL | 31.92 | 0.00 | 28.67 | 0.00 | 3.20 | 0.05 |
| ES | 84.41 | 1.13 | 65.90 | 0.85 | 16.51 | 0.00 |
| FR | 109.46 | 2.32 | 60.97 | 1.65 | 41.28 | 3.25 |
| HR | 4.03 | 0.00 | 3.42 | 0.00 | 0.34 | 0.27 |
| IT | 99.55 | 1.35 | 75.14 | 0.83 | 17.05 | 5.18 |
| CY | 0.36 | 0.00 | 0.00 | 0.00 | 0.36 | 0.00 |
| LV | 0.92 | 0.00 | 0.00 | 0.00 | 0.30 | 0.61 |
| LT | 10.33 | 0.00 | 9.08 | 0.00 | 0.26 | 0.99 |
| LU | 0.14 | 0.00 | 0.00 | 0.00 | 0.09 | 0.06 |
| HU | 12.21 | 0.70 | 7.38 | 0.38 | 2.52 | 1.24 |
| MT | 0.10 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 |
| NL | 76.09 | 1.46 | 61.32 | 1.27 | 8.71 | 3.33 |
| AT | 14.78 | 0.96 | 9.16 | 1.03 | 1.63 | 2.00 |
| PL | 56.71 | 7.01 | 27.45 | 2.50 | 13.04 | 6.72 |
| PT | 18.52 | 0.00 | 15.44 | 0.00 | 2.60 | 0.47 |
| RO | 17.38 | 0.00 | 11.85 | 0.24 | 3.46 | 1.83 |
| SI | 1.13 | 0.00 | 0.00 | 0.00 | 0.92 | 0.21 |
| SK | 11.20 | 1.17 | 6.37 | 0.87 | 1.91 | 0.88 |
| FI | 22.71 | 0.63 | 13.04 | 0.55 | 4.25 | 4.24 |
| SE | 32.85 | 0.81 | 21.12 | 0.51 | 6.04 | 4.38 |
| UK | 92.72 | 2.12 | 63.16 | 1.75 | 24.26 | 1.42 |

Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.4.6 Transformation Output – By Sector

| Mtoe | 2015 | | | | | |
|-----------|--------------------|-------------------------------------|-------------------------------------|-------------------------------|--|--------------------------------------|
| | 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 | 962.8 | 177.8 | 73.7 | 16.4 | 641.9 | 53.0 |
| Share (%) | 100.0% | 18.5% | 7.7% | 1.7% | 66.7% | 5.5% |
| BE | 43.28 | 3.87 | 2.24 | 0.00 | 35.47 | 1.70 |
| BG | 11.86 | 3.08 | 1.32 | 0.24 | 6.74 | 0.47 |
| CZ | 20.41 | 6.66 | 2.31 | 0.61 | 7.66 | 3.16 |
| DK | 13.40 | 3.28 | 0.00 | 1.01 | 9.12 | 0.00 |
| DE | 169.54 | 43.27 | 7.89 | 3.11 | 100.03 | 15.24 |
| EE | 1.48 | 1.10 | 0.00 | 0.24 | 0.00 | 0.14 |
| IE | 5.28 | 1.78 | 0.00 | 0.00 | 3.43 | 0.07 |
| EL | 31.92 | 3.25 | 0.00 | 0.00 | 28.67 | 0.00 |
| ES | 84.41 | 11.59 | 4.93 | 0.00 | 65.90 | 2.00 |
| FR | 109.46 | 5.56 | 37.61 | 1.35 | 60.97 | 3.97 |
| HR | 4.03 | 0.55 | 0.00 | 0.05 | 3.42 | 0.01 |
| IT | 99.55 | 22.14 | 0.00 | 0.09 | 75.14 | 2.18 |
| CY | 0.36 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| LV | 0.92 | 0.76 | 0.00 | 0.16 | 0.00 | 0.01 |
| LT | 10.33 | 0.72 | 0.00 | 0.53 | 9.08 | 0.00 |
| LU | 0.14 | 0.14 | 0.00 | 0.01 | 0.00 | 0.00 |
| HU | 12.21 | 1.63 | 1.36 | 0.75 | 7.38 | 1.10 |
| MT | 0.10 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| NL | 76.09 | 11.23 | 0.35 | 0.45 | 61.32 | 2.73 |
| AT | 14.78 | 2.82 | 0.00 | 0.81 | 9.16 | 1.98 |
| PL | 56.71 | 17.49 | 0.00 | 2.26 | 27.45 | 9.51 |
| PT | 18.52 | 3.07 | 0.00 | 0.00 | 15.44 | 0.01 |
| RO | 17.38 | 3.98 | 1.00 | 0.32 | 11.85 | 0.24 |
| SI | 1.13 | 0.61 | 0.49 | 0.04 | 0.00 | 0.00 |
| SK | 11.20 | 1.15 | 1.30 | 0.29 | 6.37 | 2.09 |
| FI | 22.71 | 5.06 | 2.00 | 1.44 | 13.04 | 1.18 |
| SE | 32.85 | 4.35 | 4.85 | 1.23 | 21.12 | 1.32 |
| UK | 92.72 | 18.22 | 6.05 | 1.42 | 63.16 | 3.87 |

Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

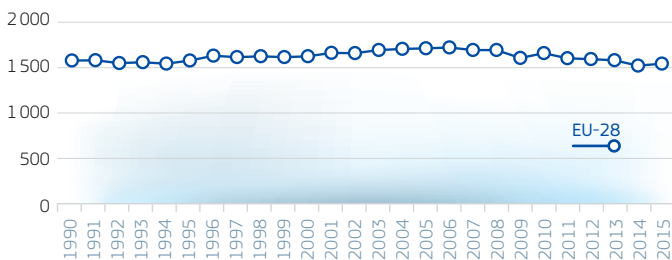
2.5 Final Energy

2.5.1 Primary Energy Consumption

TOTAL

| Mtoe | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|------------|--------|--------|--------|--------|--------|--------|
| EU-28 | 1567.6 | 1618.0 | 1713.1 | 1657.4 | 1508.6 | 1530.7 |
| Index 1995 | 100 % | 103 % | 109 % | 106 % | 96 % | 98 % |
| BE | 47.91 | 52.32 | 51.33 | 53.54 | 45.15 | 45.70 |
| BG | 21.46 | 17.54 | 18.91 | 17.35 | 17.23 | 17.90 |
| CZ | 39.63 | 39.27 | 42.48 | 42.50 | 39.29 | 39.93 |
| DK | 19.88 | 19.44 | 19.27 | 19.78 | 16.55 | 16.51 |
| DE | 318.02 | 317.27 | 317.26 | 309.91 | 291.11 | 292.94 |
| EE | 5.35 | 4.79 | 5.39 | 6.06 | 6.57 | 6.16 |
| IE | 10.49 | 13.75 | 14.75 | 14.82 | 13.35 | 13.96 |
| EL | 23.37 | 27.57 | 30.65 | 27.61 | 23.67 | 23.75 |
| ES | 94.20 | 114.25 | 135.87 | 123.22 | 112.57 | 117.11 |
| FR | 225.92 | 241.36 | 260.27 | 252.94 | 234.59 | 239.27 |
| HR | 7.05 | 7.77 | 9.11 | 8.83 | 7.66 | 8.00 |
| IT | 152.03 | 165.79 | 181.47 | 168.37 | 143.84 | 149.56 |
| CY | 1.90 | 2.33 | 2.47 | 2.66 | 2.21 | 2.25 |
| LV | 4.58 | 3.79 | 4.50 | 4.56 | 4.36 | 4.27 |
| LT | 8.10 | 6.40 | 7.98 | 6.13 | 5.69 | 5.80 |
| LU | 3.28 | 3.60 | 4.77 | 4.61 | 4.19 | 4.15 |
| HU | 24.55 | 23.71 | 25.44 | 24.63 | 21.99 | 23.28 |
| MT | 0.76 | 0.80 | 0.95 | 0.93 | 0.88 | 0.75 |
| NL | 64.46 | 66.04 | 68.89 | 70.45 | 62.23 | 64.59 |
| AT | 25.73 | 27.30 | 32.42 | 32.45 | 30.45 | 31.33 |
| PL | 95.12 | 84.29 | 87.65 | 95.72 | 89.17 | 90.00 |
| PT | 18.55 | 22.89 | 24.89 | 22.55 | 20.65 | 21.66 |
| RO | 45.07 | 34.77 | 36.74 | 34.33 | 30.64 | 31.29 |
| SI | 5.95 | 6.21 | 7.02 | 7.13 | 6.51 | 6.45 |
| SK | 16.79 | 16.94 | 17.75 | 16.80 | 15.25 | 15.38 |
| FI | 28.24 | 31.37 | 33.35 | 35.88 | 33.57 | 31.95 |
| SE | 49.48 | 47.17 | 48.70 | 48.67 | 46.24 | 43.70 |
| UK | 209.76 | 219.23 | 222.81 | 205.04 | 183.05 | 183.04 |

PRIMARY ENERGY CONSUMPTION – 1990-2015 (Mtoe)



Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.5.2 Available for Final Consumption

| Mtoe | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|------------|---------|---------|---------|---------|---------|---------|
| EU-28 | 1 193.1 | 1 243.2 | 1 313.4 | 1 276.4 | 1 161.1 | 1 182.4 |
| Index 1995 | 100% | 104% | 110% | 107% | 97% | 99% |
| BE | 39.93 | 44.83 | 44.42 | 45.66 | 42.73 | 44.46 |
| BG | 12.93 | 9.99 | 10.56 | 8.79 | 8.95 | 9.65 |
| CZ | 28.09 | 27.50 | 29.55 | 29.01 | 26.58 | 27.37 |
| DK | 15.03 | 15.02 | 15.47 | 15.67 | 13.71 | 14.10 |
| DE | 244.01 | 247.33 | 247.18 | 242.63 | 229.87 | 233.14 |
| EE | 3.04 | 2.69 | 3.00 | 3.02 | 3.15 | 3.03 |
| IE | 8.30 | 11.05 | 12.02 | 12.20 | 11.07 | 11.63 |
| EL | 16.40 | 19.08 | 21.39 | 19.66 | 16.23 | 17.15 |
| ES | 72.46 | 88.79 | 105.95 | 95.95 | 81.44 | 83.18 |
| FR | 156.87 | 166.22 | 177.09 | 170.66 | 157.05 | 160.34 |
| HR | 6.10 | 6.66 | 7.91 | 7.81 | 6.78 | 7.12 |
| IT | 124.85 | 133.74 | 145.23 | 137.17 | 118.59 | 121.99 |
| CY | 1.48 | 1.75 | 1.80 | 1.97 | 1.65 | 1.67 |
| LV | 3.94 | 3.28 | 4.11 | 4.17 | 3.99 | 3.89 |
| LT | 5.13 | 4.28 | 5.39 | 5.48 | 5.90 | 5.99 |
| LU | 3.17 | 3.56 | 4.53 | 4.36 | 4.03 | 4.02 |
| HU | 18.16 | 17.72 | 20.37 | 19.41 | 17.71 | 19.10 |
| MT | 0.41 | 0.44 | 0.40 | 0.52 | 0.56 | 0.58 |
| NL | 64.32 | 67.80 | 72.28 | 72.69 | 63.61 | 64.59 |
| AT | 22.74 | 25.45 | 29.57 | 30.05 | 28.76 | 29.30 |
| PL | 67.25 | 58.57 | 62.71 | 71.09 | 66.19 | 66.52 |
| PT | 15.92 | 20.22 | 21.69 | 19.81 | 17.18 | 17.29 |
| RO | 30.36 | 25.03 | 26.87 | 24.77 | 22.76 | 23.04 |
| SI | 4.23 | 4.70 | 5.23 | 5.27 | 4.73 | 4.82 |
| SK | 12.23 | 12.72 | 12.84 | 12.65 | 10.98 | 11.16 |
| FI | 21.92 | 24.76 | 26.44 | 27.50 | 26.39 | 25.43 |
| SE | 36.67 | 36.21 | 35.23 | 36.90 | 33.83 | 32.66 |
| UK | 157.11 | 163.83 | 164.16 | 151.59 | 136.74 | 139.19 |

2.5.3 Final Non-Energy Consumption

TOTAL

| Mtoe | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|------------|-------|-------|-------|-------|-------|-------|
| EU-28 | 107.4 | 112.2 | 117.8 | 106.9 | 99.1 | 96.8 |
| Index 1995 | 100% | 104% | 110% | 100% | 92% | 90% |
| BE | 5.92 | 6.99 | 7.73 | 7.36 | 8.40 | 8.52 |
| BG | 1.23 | 0.98 | 0.85 | 0.42 | 0.51 | 0.61 |
| CZ | 2.32 | 2.09 | 2.95 | 2.93 | 2.95 | 2.52 |
| DK | 0.32 | 0.30 | 0.29 | 0.26 | 0.25 | 0.25 |
| DE | 23.62 | 25.06 | 24.66 | 22.58 | 22.13 | 21.27 |
| EE | 0.18 | 0.18 | 0.23 | 0.09 | 0.11 | 0.10 |
| IE | 0.57 | 0.68 | 0.52 | 0.34 | 0.21 | 0.22 |
| EL | 0.49 | 0.72 | 0.76 | 1.11 | 0.71 | 0.70 |
| ES | 7.87 | 9.40 | 8.35 | 7.03 | 4.11 | 4.31 |
| FR | 15.86 | 16.18 | 16.12 | 13.95 | 13.86 | 13.35 |
| HR | 0.81 | 0.66 | 0.68 | 0.60 | 0.54 | 0.53 |
| IT | 9.73 | 8.43 | 8.61 | 9.56 | 7.19 | 6.61 |
| CY | 0.06 | 0.09 | 0.07 | 0.09 | 0.02 | 0.02 |
| LV | 0.04 | 0.08 | 0.10 | 0.07 | 0.09 | 0.11 |
| LT | 0.54 | 0.66 | 0.73 | 0.66 | 1.01 | 1.12 |
| LU | 0.05 | 0.06 | 0.03 | 0.03 | 0.04 | 0.03 |
| HU | 1.63 | 1.59 | 2.17 | 1.97 | 1.83 | 1.92 |
| MT | 0.00 | 0.00 | 0.02 | 0.01 | 0.00 | 0.01 |
| NL | 11.07 | 11.99 | 15.22 | 15.34 | 14.13 | 12.96 |
| AT | 1.38 | 1.72 | 1.71 | 1.84 | 2.02 | 1.92 |
| PL | 3.71 | 4.36 | 4.57 | 4.96 | 5.16 | 5.43 |
| PT | 2.08 | 2.39 | 2.59 | 1.73 | 1.44 | 1.34 |
| RO | 1.24 | 1.88 | 2.47 | 1.47 | 1.52 | 1.13 |
| SI | 0.12 | 0.24 | 0.31 | 0.21 | 0.14 | 0.13 |
| SK | 0.93 | 1.37 | 1.28 | 1.05 | 0.93 | 1.05 |
| FI | 1.13 | 1.04 | 1.15 | 1.22 | 1.20 | 1.21 |
| SE | 1.99 | 1.73 | 2.29 | 2.11 | 1.97 | 1.77 |
| UK | 12.49 | 11.33 | 11.37 | 7.91 | 6.66 | 7.71 |

2.5.4 Final Energy Consumption

TOTAL

| Mtoe | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|------------|---------|---------|---------|---------|---------|---------|
| EU-28 | 1 082.8 | 1 132.9 | 1 192.3 | 1 164.5 | 1 061.7 | 1 084.0 |
| Index 1995 | 100 % | 105 % | 110 % | 108 % | 98 % | 100 % |
| BE | 34.35 | 37.53 | 36.58 | 37.63 | 34.20 | 35.78 |
| BG | 11.42 | 9.11 | 10.19 | 8.84 | 9.01 | 9.51 |
| CZ | 26.32 | 25.07 | 26.33 | 25.38 | 23.63 | 24.19 |
| DK | 14.82 | 14.72 | 15.50 | 15.52 | 13.52 | 13.95 |
| DE | 221.62 | 220.01 | 218.46 | 219.65 | 208.88 | 212.12 |
| EE | 2.56 | 2.43 | 2.88 | 2.91 | 2.82 | 2.77 |
| IE | 7.99 | 10.78 | 12.60 | 11.96 | 10.77 | 11.21 |
| EL | 15.81 | 18.68 | 20.96 | 19.00 | 15.52 | 16.50 |
| ES | 64.03 | 79.90 | 97.77 | 89.08 | 79.23 | 80.46 |
| FR | 143.48 | 155.31 | 160.77 | 155.30 | 140.35 | 144.12 |
| HR | 5.28 | 6.00 | 7.24 | 7.21 | 6.24 | 6.59 |
| IT | 114.58 | 124.72 | 137.15 | 128.46 | 113.35 | 116.44 |
| CY | 1.43 | 1.65 | 1.83 | 1.93 | 1.62 | 1.66 |
| LV | 3.85 | 3.25 | 4.02 | 4.12 | 3.89 | 3.79 |
| LT | 4.60 | 3.77 | 4.67 | 4.81 | 4.89 | 4.87 |
| LU | 3.11 | 3.50 | 4.48 | 4.32 | 4.00 | 3.99 |
| HU | 16.23 | 16.14 | 18.23 | 17.41 | 16.19 | 17.31 |
| MT | 0.46 | 0.44 | 0.38 | 0.50 | 0.55 | 0.57 |
| NL | 50.99 | 52.34 | 54.18 | 55.14 | 47.32 | 48.51 |
| AT | 21.37 | 23.69 | 27.84 | 28.17 | 26.74 | 27.37 |
| PL | 62.94 | 55.21 | 58.47 | 66.33 | 61.60 | 62.25 |
| PT | 13.85 | 17.92 | 19.01 | 18.10 | 15.77 | 16.04 |
| RO | 26.97 | 22.77 | 24.71 | 22.59 | 21.72 | 21.89 |
| SI | 4.09 | 4.46 | 4.90 | 5.04 | 4.59 | 4.69 |
| SK | 11.03 | 10.98 | 11.56 | 11.55 | 9.98 | 10.08 |
| FI | 21.97 | 24.32 | 25.19 | 26.25 | 24.50 | 24.18 |
| SE | 35.05 | 34.97 | 33.66 | 34.08 | 31.19 | 31.76 |
| UK | 142.65 | 153.24 | 152.76 | 143.22 | 129.62 | 131.37 |

Source: Eurostat, May 2017

Methodology and Notes: [See Appendix 13 – No 2](#)

2.5.4 Final Energy Consumption

BY FUEL

| Mtoe | 2015 | | | | | | |
|-----------|------------------------|-------|-------------|------------|--------------|-------------|-----------------------|
| | Petroleum and Products | Gases | Electricity | Renewables | Derived Heat | Solid Fuels | Wastes, Non-Renewable |
| EU-28 | 429.6 | 236.3 | 235.7 | 86.8 | 45.9 | 46.3 | 3.5 |
| Share (%) | 39.6% | 21.8% | 21.7% | 8.0% | 4.2% | 4.3% | 0.3% |
| BE | 15.72 | 9.20 | 7.03 | 1.58 | 0.51 | 1.61 | 0.14 |
| BG | 3.37 | 1.31 | 2.44 | 1.21 | 0.82 | 0.33 | 0.03 |
| CZ | 6.72 | 5.43 | 4.68 | 2.73 | 2.08 | 2.33 | 0.22 |
| DK | 5.84 | 1.47 | 2.64 | 1.45 | 2.42 | 0.12 | 0.02 |
| DE | 81.12 | 51.76 | 44.26 | 13.96 | 9.59 | 10.40 | 1.03 |
| EE | 0.99 | 0.22 | 0.59 | 0.48 | 0.43 | 0.04 | 0.01 |
| IE | 6.47 | 1.72 | 2.16 | 0.33 | 0.00 | 0.51 | 0.04 |
| EL | 9.39 | 0.97 | 4.37 | 1.44 | 0.05 | 0.22 | 0.07 |
| ES | 40.47 | 13.45 | 19.95 | 5.29 | 0.00 | 1.31 | 0.00 |
| FR | 61.13 | 28.32 | 36.54 | 11.54 | 2.35 | 4.11 | 0.13 |
| HR | 2.75 | 0.98 | 1.32 | 1.24 | 0.21 | 0.08 | 0.01 |
| IT | 44.34 | 33.18 | 24.72 | 8.37 | 3.85 | 1.72 | 0.27 |
| CY | 1.18 | 0.00 | 0.35 | 0.11 | 0.00 | 0.00 | 0.01 |
| LV | 1.37 | 0.32 | 0.56 | 0.94 | 0.50 | 0.04 | 0.06 |
| LT | 1.87 | 0.52 | 0.80 | 0.70 | 0.80 | 0.18 | 0.00 |
| LU | 2.60 | 0.60 | 0.54 | 0.13 | 0.05 | 0.05 | 0.01 |
| HU | 5.13 | 5.45 | 3.11 | 2.17 | 0.97 | 0.43 | 0.06 |
| MT | 0.38 | 0.00 | 0.18 | 0.01 | 0.00 | 0.00 | 0.00 |
| NL | 17.20 | 17.17 | 8.87 | 1.23 | 2.46 | 1.53 | 0.04 |
| AT | 9.84 | 4.88 | 5.23 | 3.83 | 1.83 | 1.46 | 0.30 |
| PL | 19.19 | 8.98 | 10.99 | 5.45 | 5.46 | 11.69 | 0.49 |
| PT | 7.96 | 1.64 | 3.94 | 2.19 | 0.24 | 0.01 | 0.06 |
| RO | 7.01 | 5.47 | 3.70 | 3.53 | 1.27 | 0.84 | 0.07 |
| SI | 2.17 | 0.56 | 1.10 | 0.62 | 0.17 | 0.04 | 0.04 |
| SK | 2.12 | 3.09 | 2.10 | 0.64 | 0.63 | 1.32 | 0.17 |
| FI | 6.72 | 0.84 | 6.75 | 5.39 | 3.83 | 0.60 | 0.05 |
| SE | 8.52 | 0.75 | 10.74 | 6.53 | 4.19 | 1.04 | 0.00 |
| UK | 58.02 | 37.97 | 26.04 | 3.77 | 1.15 | 4.28 | 0.14 |

Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.5.4 Final Energy Consumption

BY SECTOR

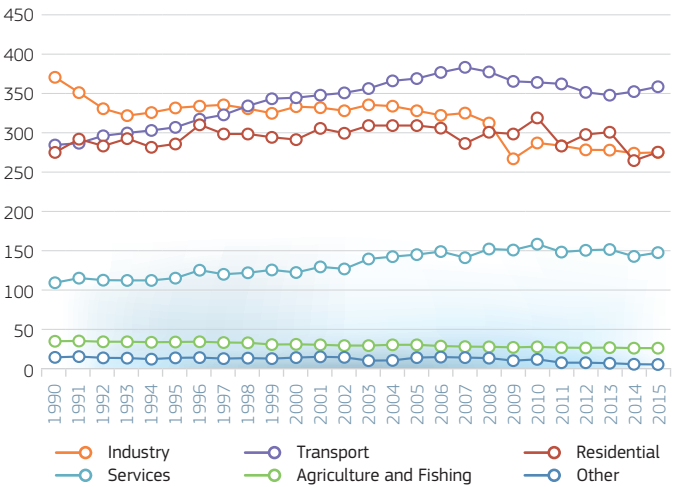
| Mtoe | 2015 | | | | | |
|-----------|-----------|-------------|----------|----------|-------------------------|-------|
| | Transport | Residential | Industry | Services | Agriculture and Fishing | Other |
| EU-28 | 358.6 | 275.2 | 274.7 | 146.9 | 24.7 | 3.8 |
| Share (%) | 33.1% | 25.4% | 25.3% | 13.6% | 2.3% | 0.4% |
| BE | 10.44 | 8.14 | 11.89 | 4.56 | 0.72 | 0.03 |
| BG | 3.40 | 2.20 | 2.71 | 0.99 | 0.19 | 0.02 |
| CZ | 6.49 | 6.69 | 7.47 | 2.85 | 0.61 | 0.07 |
| DK | 4.95 | 4.25 | 2.11 | 1.87 | 0.76 | 0.01 |
| DE | 63.17 | 53.17 | 60.95 | 34.72 | 0.00 | 0.12 |
| EE | 0.79 | 0.86 | 0.52 | 0.47 | 0.13 | 0.00 |
| IE | 4.62 | 2.71 | 2.41 | 1.25 | 0.22 | 0.00 |
| EL | 6.58 | 4.40 | 3.13 | 1.87 | 0.27 | 0.25 |
| ES | 33.60 | 14.88 | 18.92 | 10.04 | 2.49 | 0.55 |
| FR | 50.08 | 37.66 | 28.64 | 22.54 | 4.43 | 0.78 |
| HR | 2.11 | 2.42 | 1.09 | 0.74 | 0.23 | 0.00 |
| IT | 39.54 | 32.49 | 26.02 | 15.39 | 2.85 | 0.14 |
| CY | 0.87 | 0.32 | 0.20 | 0.21 | 0.04 | 0.02 |
| LV | 1.15 | 1.11 | 0.79 | 0.59 | 0.16 | 0.00 |
| LT | 1.83 | 1.37 | 0.98 | 0.58 | 0.10 | 0.01 |
| LU | 2.42 | 0.50 | 0.65 | 0.40 | 0.02 | 0.00 |
| HU | 4.35 | 5.96 | 4.24 | 2.18 | 0.58 | 0.00 |
| MT | 0.31 | 0.08 | 0.05 | 0.13 | 0.01 | 0.00 |
| NL | 14.27 | 9.56 | 14.27 | 6.55 | 3.76 | 0.09 |
| AT | 9.00 | 5.98 | 9.12 | 2.73 | 0.55 | 0.00 |
| PL | 17.24 | 18.84 | 15.05 | 7.81 | 3.31 | 0.00 |
| PT | 6.61 | 2.54 | 4.45 | 1.96 | 0.44 | 0.04 |
| RO | 5.58 | 7.38 | 6.47 | 1.76 | 0.46 | 0.25 |
| SI | 1.80 | 1.11 | 1.23 | 0.46 | 0.08 | 0.02 |
| SK | 2.21 | 1.99 | 4.43 | 1.30 | 0.15 | 0.00 |
| FI | 4.79 | 4.90 | 10.70 | 2.71 | 0.72 | 0.36 |
| SE | 8.67 | 7.20 | 11.53 | 4.00 | 0.37 | 0.00 |
| UK | 51.77 | 36.48 | 24.73 | 16.28 | 1.02 | 1.09 |

Source: Eurostat, May 2017

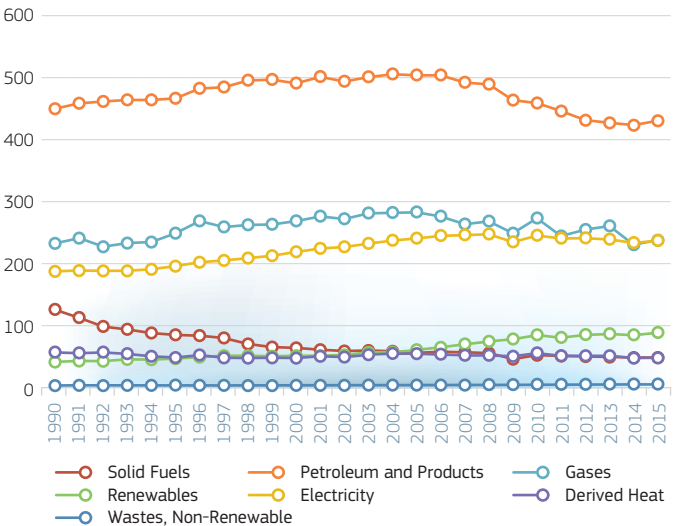
Methodology and Notes: See Appendix 13 – No 2

2.5.4 Final Energy Consumption

BY SECTOR – EU-28 – 1990-2015 (Mtoe)



FINAL ENERGY CONSUMPTION – BY FUEL – 1990-2015 (Mtoe)



Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

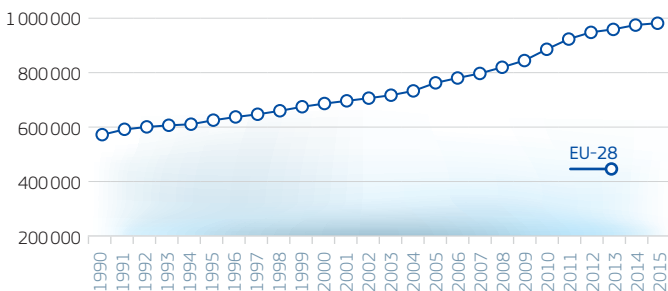
2.6 Electricity

2.6.1 Installed Electricity Capacity

TOTAL

| MW | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|------------|---------|---------|---------|---------|---------|---------|
| EU-28* | 618 490 | 681 077 | 758 023 | 883 927 | 974 965 | 981 870 |
| Index 1995 | 100 % | 110 % | 123 % | 143 % | 158 % | 159 % |
| BE | 14 917 | 15 685 | 16 096 | 18 690 | 20 934 | 21 146 |
| BG | 1 975 | 11 085 | 12 260 | 10 031 | 11 390 | 10 914 |
| CZ | 13 803 | 15 323 | 17 406 | 20 073 | 21 920 | 21 866 |
| DK | 10 823 | 12 316 | 13 036 | 13 438 | 13 624 | 14 005 |
| DE | 116 226 | 118 884 | 128 612 | 162 698 | 198 416 | 204 052 |
| EE | 1 | 2 800 | 2 559 | 2 751 | 3 030 | 2 857 |
| IE | 4 060 | 4 711 | 6 175 | 8 019 | 9 084 | 9 557 |
| EL | 8 942 | 10 904 | 13 306 | 15 312 | 18 895 | 18 942 |
| ES | 45 621 | 53 924 | 76 574 | 101 788 | 106 470 | 106 901 |
| FR | 107 616 | 114 665 | 115 755 | 124 551 | 128 942 | 129 309 |
| HR | 2 072 | 2 079 | 3 866 | 4 121 | 4 426 | 4 798 |
| IT | 65 923 | 75 510 | 85 498 | 106 610 | 121 747 | 116 955 |
| CY | 690 | 988 | 1 125 | 1 560 | 1 724 | 1 756 |
| LV | 2 068 | 2 092 | 2 166 | 2 557 | 2 924 | 2 933 |
| LT | 5 866 | 5 716 | 4 556 | 3 570 | 4 037 | 3 587 |
| LU | 1 250 | 1 217 | 1 682 | 1 711 | 2 022 | 2 023 |
| HU | 7 404 | 8 282 | 8 586 | 8 993 | 8 655 | 8 579 |
| MT | 0 | 0 | 0 | 572 | 678 | 667 |
| NL | 19 034 | 21 062 | 21 800 | 26 688 | 31 762 | 33 866 |
| AT | 17 395 | 17 802 | 18 898 | 21 187 | 24 048 | 24 443 |
| PL | 29 482 | 30 559 | 32 257 | 33 360 | 35 989 | 37 322 |
| PT | 9 384 | 10 908 | 13 374 | 18 932 | 19 125 | 19 625 |
| RO | 5 998 | 6 120 | 18 951 | 19 912 | 23 884 | 23 830 |
| SI | 2 518 | 2 614 | 2 992 | 3 193 | 3 453 | 3 359 |
| SK | 7 238 | 7 454 | 8 257 | 7 873 | 8 092 | 7 782 |
| FI | 14 434 | 16 260 | 16 468 | 15 536 | 16 245 | 15 875 |
| SE | 33 625 | 33 724 | 33 390 | 36 454 | 38 736 | 39 712 |
| UK | 70 125 | 78 393 | 82 378 | 93 747 | 94 713 | 95 209 |

INSTALLED ELECTRICITY CAPACITY – TOTAL – 1990-2015 (MW)



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

Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.6.1 Installed Electricity Capacity

BY FUEL

| MW | 2015 | | | | | | |
|-----------|--------------------------------|-------------------|---------|---------|---------|----------|---------------|
| | Installed Electricity Capacity | Combustible Fuels | Hydro | Wind | Nuclear | Solar PV | Other Sources |
| EU-28 | 981 870 | 465 830 | 152 400 | 141 481 | 121 957 | 94 864 | 5 338 |
| Share (%) | 100.0% | 47.4% | 15.5% | 14.4% | 12.4% | 9.7% | 0.5% |
| BE | 21 146 | 8 509 | 1 422 | 2 176 | 5 913 | 3 122 | 4 |
| BG | 10 914 | 3 991 | 3 219 | 700 | 1 975 | 1 029 | 0 |
| CZ | 21 866 | 12 960 | 2 260 | 281 | 4 290 | 2 075 | 0 |
| DK | 14 005 | 8 141 | 7 | 5 075 | 0 | 782 | 0 |
| DE | 204 052 | 96 967 | 11 399 | 44 670 | 10 799 | 39 786 | 431 |
| EE | 2 857 | 2 551 | 6 | 300 | 0 | 0 | 0 |
| IE | 9 557 | 6 586 | 529 | 2 440 | 0 | 2 | 0 |
| EL | 18 942 | 10 855 | 3 392 | 2 091 | 0 | 2 604 | 0 |
| ES | 106 901 | 49 350 | 20 053 | 22 943 | 7 399 | 4 856 | 2 300 |
| FR | 129 309 | 22 553 | 25 278 | 10 217 | 63 130 | 6 755 | 1 376 |
| HR | 4 798 | 2 124 | 2 208 | 418 | 0 | 48 | 0 |
| IT | 116 955 | 65 617 | 22 220 | 9 137 | 0 | 18 892 | 1 089 |
| CY | 1 756 | 1 522 | 0 | 158 | 0 | 76 | 0 |
| LV | 2 933 | 1 275 | 1 589 | 69 | 0 | 0 | 0 |
| LT | 3 587 | 2 180 | 877 | 436 | 0 | 69 | 25 |
| LU | 2 023 | 513 | 1 330 | 64 | 0 | 116 | 0 |
| HU | 8 579 | 6 011 | 57 | 329 | 2 000 | 168 | 14 |
| MT | 667 | 593 | 0 | 0 | 0 | 74 | 0 |
| NL | 33 866 | 28 401 | 37 | 3 391 | 485 | 1 515 | 37 |
| AT | 24 443 | 7 665 | 13 351 | 2 489 | 0 | 937 | 1 |
| PL | 37 322 | 29 956 | 2 370 | 4 886 | 0 | 108 | 2 |
| PT | 19 625 | 8 048 | 6 168 | 4 937 | 0 | 447 | 25 |
| RO | 23 830 | 11 233 | 6 730 | 3 130 | 1 411 | 1 326 | 0 |
| SI | 3 359 | 1 133 | 1 295 | 5 | 688 | 238 | 0 |
| SK | 7 782 | 2 754 | 2 522 | 3 | 1 940 | 533 | 30 |
| FI | 15 875 | 8 854 | 3 249 | 1 005 | 2 752 | 15 | 0 |
| SE | 39 712 | 7 751 | 16 329 | 5 840 | 9 688 | 104 | 0 |
| UK | 95 209 | 57 737 | 4 503 | 14 291 | 9 487 | 9 187 | 4 |

Source: Eurostat, May 2017

Methodology and Notes: [See Appendix 13 – No 2](#)

2.6.1 Installed Electricity Capacity *

RENEWABLES

| MW | 2015 | | | | | | |
|-----------|------------------|---------|---------|----------|---------------|------------|---------------------|
| | Total Renewables | Hydro | Wind | Solar PV | Solar Thermal | Geothermal | Tide Wave and Ocean |
| EU-28 | 392 113 | 152 400 | 141 481 | 94 864 | 2 302 | 822 | 244 |
| Share (%) | 39.9% | 15.5% | 14.4% | 9.7% | 0.2% | 0.1% | 0.0% |
| BE | 6 720 | 1 422 | 2 176 | 3 122 | 0 | 0 | 0 |
| BG | 4 948 | 3 219 | 700 | 1 029 | 0 | 0 | 0 |
| CZ | 4 616 | 2 260 | 281 | 2 075 | 0 | 0 | 0 |
| DK | 5 864 | 7 | 5 075 | 782 | 0 | 0 | 0 |
| DE | 95 883 | 11 399 | 44 670 | 39 786 | 2 | 26 | 0 |
| EE | 306 | 6 | 300 | 0 | 0 | 0 | 0 |
| IE | 2 971 | 529 | 2 440 | 2 | 0 | 0 | 0 |
| EL | 8 087 | 3 392 | 2 091 | 2 604 | 0 | 0 | 0 |
| ES | 50 152 | 20 053 | 22 943 | 4 856 | 2 300 | 0 | 0 |
| FR | 42 492 | 25 278 | 10 217 | 6 755 | 0 | 2 | 240 |
| HR | 2 674 | 2 208 | 418 | 48 | 0 | 0 | 0 |
| IT | 51 017 | 22 220 | 9 137 | 18 892 | 0 | 768 | 0 |
| CY | 234 | 0 | 158 | 76 | 0 | 0 | 0 |
| LV | 1 658 | 1 589 | 69 | 0 | 0 | 0 | 0 |
| LT | 1 382 | 877 | 436 | 69 | 0 | 0 | 0 |
| LU | 1 510 | 1 330 | 64 | 116 | 0 | 0 | 0 |
| HU | 554 | 57 | 329 | 168 | 0 | 0 | 0 |
| MT | 74 | 0 | 0 | 74 | 0 | 0 | 0 |
| NL | 4 943 | 37 | 3 391 | 1 515 | 0 | 0 | 0 |
| AT | 16 778 | 13 351 | 2 489 | 937 | 0 | 1 | 0 |
| PL | 7 364 | 2 370 | 4 886 | 108 | 0 | 0 | 0 |
| PT | 11 577 | 6 168 | 4 937 | 447 | 0 | 25 | 0 |
| RO | 11 186 | 6 730 | 3 130 | 1 326 | 0 | 0 | 0 |
| SI | 1 538 | 1 295 | 5 | 238 | 0 | 0 | 0 |
| SK | 3 058 | 2 522 | 3 | 533 | 0 | 0 | 0 |
| FI | 4 269 | 3 249 | 1 005 | 15 | 0 | 0 | 0 |
| SE | 22 273 | 16 329 | 5 840 | 104 | 0 | 0 | 0 |
| UK | 27 985 | 4 503 | 14 291 | 9 187 | 0 | 0 | 4 |

* Net maximum capacity.

Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.6.2 Gross Electricity Generation

TOTAL

| TWh | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|------------|--------|--------|--------|--------|--------|--------|
| EU-28 | 2743.6 | 3035.8 | 3325.8 | 3366.1 | 3190.8 | 3234.3 |
| Index 1995 | 100% | 111% | 121% | 123% | 116% | 118% |
| BE | 74.41 | 84.01 | 87.03 | 95.19 | 72.67 | 70.65 |
| BG | 41.79 | 40.92 | 44.37 | 46.65 | 47.49 | 49.23 |
| CZ | 60.85 | 73.47 | 82.58 | 85.90 | 86.15 | 83.89 |
| DK | 36.76 | 36.05 | 36.25 | 38.86 | 32.18 | 28.95 |
| DE | 537.28 | 576.54 | 622.58 | 632.98 | 627.80 | 646.89 |
| EE | 8.69 | 8.51 | 10.21 | 12.96 | 12.45 | 10.42 |
| IE | 17.86 | 23.98 | 25.97 | 28.35 | 26.09 | 28.39 |
| EL | 41.55 | 53.84 | 60.02 | 57.39 | 50.47 | 51.87 |
| ES | 167.09 | 224.47 | 294.08 | 301.53 | 278.75 | 281.02 |
| FR | 494.27 | 539.95 | 576.06 | 569.10 | 563.69 | 568.45 |
| HR | 9.28 | 11.28 | 13.16 | 14.90 | 13.55 | 11.40 |
| IT | 241.49 | 276.64 | 303.70 | 302.06 | 279.83 | 282.99 |
| CY | 2.50 | 3.37 | 4.38 | 5.32 | 4.35 | 4.53 |
| LV | 3.98 | 4.14 | 4.91 | 6.63 | 5.14 | 5.53 |
| LT | 13.90 | 11.43 | 14.78 | 5.75 | 4.40 | 4.93 |
| LU | 1.23 | 1.17 | 4.13 | 4.59 | 2.97 | 2.76 |
| HU | 34.02 | 35.19 | 35.76 | 37.37 | 29.39 | 30.34 |
| MT | 1.63 | 1.92 | 2.24 | 2.11 | 2.25 | 1.30 |
| NL | 81.17 | 89.63 | 99.92 | 119.27 | 103.42 | 110.07 |
| AT | 56.23 | 61.26 | 66.83 | 71.13 | 65.44 | 65.30 |
| PL | 139.01 | 145.18 | 156.94 | 157.66 | 159.06 | 164.94 |
| PT | 33.27 | 43.76 | 46.58 | 54.09 | 52.80 | 52.42 |
| RO | 59.27 | 51.93 | 59.41 | 60.98 | 65.68 | 66.30 |
| SI | 12.91 | 13.62 | 15.12 | 16.44 | 17.44 | 15.10 |
| SK | 26.77 | 31.16 | 31.46 | 27.86 | 27.40 | 26.90 |
| FI | 64.04 | 69.98 | 70.58 | 80.67 | 68.09 | 68.60 |
| SE | 148.35 | 145.27 | 158.44 | 148.56 | 153.66 | 162.06 |
| UK | 334.04 | 377.07 | 398.36 | 381.77 | 338.18 | 339.10 |

2.6.2 Gross Electricity Generation

BY FUEL

| | 2015 | | | | | | |
|-----------|------------------------------|-------------|------------|---------|--------|------------------------|----------------|
| | Gross Electricity Generation | Solid Fuels | Renewables | Nuclear | Gases | Petroleum and Products | Wastes non-RES |
| EU-28 | 3234.3 | 791.5 | 965.8 | 857.1 | 529.9 | 61.1 | 23.2 |
| Share (%) | 100.0% | 24.5% | 29.9% | 26.5% | 16.4% | 1.9% | 0.7% |
| BE | 70.65 | 2.21 | 15.57 | 26.10 | 24.85 | 0.21 | 1.25 |
| BG | 49.23 | 22.52 | 9.25 | 15.38 | 1.86 | 0.18 | 0.00 |
| CZ | 83.89 | 41.14 | 10.70 | 26.84 | 4.96 | 0.09 | 0.08 |
| DK | 28.95 | 7.11 | 18.96 | 0.00 | 1.82 | 0.31 | 0.75 |
| DE | 646.89 | 272.20 | 193.29 | 91.79 | 74.53 | 6.21 | 7.06 |
| EE | 10.42 | 8.04 | 1.50 | 0.00 | 0.62 | 0.13 | 0.13 |
| IE | 28.39 | 7.39 | 8.15 | 0.00 | 12.37 | 0.41 | 0.07 |
| EL | 51.87 | 22.11 | 14.90 | 0.00 | 9.09 | 5.66 | 0.11 |
| ES | 281.02 | 51.37 | 100.32 | 57.31 | 53.81 | 17.24 | 0.77 |
| FR | 568.45 | 9.65 | 94.32 | 437.43 | 22.32 | 2.16 | 2.25 |
| HR | 11.40 | 2.31 | 7.68 | 0.00 | 1.20 | 0.22 | 0.00 |
| IT | 282.99 | 43.20 | 110.34 | 0.00 | 113.05 | 13.38 | 2.43 |
| CY | 4.53 | 0.00 | 0.40 | 0.00 | 0.00 | 4.14 | 0.00 |
| LV | 5.53 | 0.00 | 2.78 | 0.00 | 2.76 | 0.00 | 0.00 |
| LT | 4.93 | 0.00 | 2.35 | 0.00 | 1.98 | 0.28 | 0.06 |
| LU | 2.76 | 0.00 | 1.86 | 0.00 | 0.83 | 0.00 | 0.07 |
| HU | 30.34 | 5.79 | 3.21 | 15.83 | 5.23 | 0.08 | 0.14 |
| MT | 1.30 | 0.00 | 0.10 | 0.00 | 0.00 | 1.20 | 0.00 |
| NL | 110.07 | 38.44 | 13.70 | 4.08 | 49.39 | 1.43 | 1.63 |
| AT | 65.30 | 2.98 | 50.78 | 0.00 | 9.88 | 0.86 | 0.78 |
| PL | 164.94 | 130.52 | 23.29 | 0.00 | 8.83 | 2.12 | 0.08 |
| PT | 52.42 | 14.73 | 25.51 | 0.00 | 10.56 | 1.31 | 0.30 |
| RO | 66.30 | 18.13 | 26.58 | 11.64 | 9.48 | 0.47 | 0.00 |
| SI | 15.10 | 4.39 | 4.64 | 5.65 | 0.40 | 0.02 | 0.01 |
| SK | 26.90 | 2.83 | 6.31 | 15.15 | 2.11 | 0.38 | 0.03 |
| FI | 68.60 | 8.21 | 30.53 | 23.25 | 5.77 | 0.21 | 0.39 |
| SE | 162.06 | 0.57 | 102.57 | 56.35 | 1.12 | 0.25 | 1.20 |
| UK | 339.10 | 75.63 | 86.29 | 70.35 | 101.12 | 2.13 | 3.58 |

Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.6.2 Gross Electricity Generation

RENEWABLES

| TWh | 2015 | | | | | | |
|-----------|------------|-------|-------|-----------------------|-------|------------|----------------------|
| | Renewables | Hydro | Wind | Biomass and Renewable | Solar | Geothermal | Tide, Wave and Ocean |
| EU-28 | 965.8 | 371.2 | 301.9 | 177.9 | 107.9 | 6.5 | 0.5 |
| Share (%) | 100.0% | 38.4% | 31.3% | 18.4% | 11.2% | 0.7% | 0.1% |
| BE | 15.57 | 1.42 | 5.57 | 5.51 | 3.07 | 0.00 | 0.00 |
| BG | 9.25 | 6.15 | 1.45 | 0.27 | 1.38 | 0.00 | 0.00 |
| CZ | 10.70 | 3.07 | 0.57 | 4.79 | 2.26 | 0.00 | 0.00 |
| DK | 18.96 | 0.02 | 14.13 | 4.21 | 0.60 | 0.00 | 0.00 |
| DE | 193.29 | 24.90 | 79.21 | 50.32 | 38.73 | 0.13 | 0.00 |
| EE | 1.50 | 0.03 | 0.72 | 0.76 | 0.00 | 0.00 | 0.00 |
| IE | 8.15 | 1.10 | 6.57 | 0.48 | 0.00 | 0.00 | 0.00 |
| EL | 14.90 | 6.15 | 4.62 | 0.23 | 3.90 | 0.00 | 0.00 |
| ES | 100.32 | 31.37 | 49.33 | 5.76 | 13.86 | 0.00 | 0.00 |
| FR | 94.32 | 59.40 | 21.25 | 5.92 | 7.26 | 0.00 | 0.49 |
| HR | 7.68 | 6.56 | 0.80 | 0.27 | 0.06 | 0.00 | 0.00 |
| IT | 110.34 | 46.97 | 14.84 | 19.40 | 22.94 | 6.19 | 0.00 |
| CY | 0.40 | 0.00 | 0.22 | 0.05 | 0.13 | 0.00 | 0.00 |
| LV | 2.78 | 1.86 | 0.15 | 0.77 | 0.00 | 0.00 | 0.00 |
| LT | 2.35 | 1.02 | 0.81 | 0.45 | 0.07 | 0.00 | 0.00 |
| LU | 1.86 | 1.53 | 0.10 | 0.13 | 0.10 | 0.00 | 0.00 |
| HU | 3.21 | 0.23 | 0.69 | 2.16 | 0.12 | 0.00 | 0.00 |
| MT | 0.10 | 0.00 | 0.00 | 0.01 | 0.09 | 0.00 | 0.00 |
| NL | 13.70 | 0.09 | 7.55 | 4.93 | 1.12 | 0.00 | 0.00 |
| AT | 50.78 | 40.59 | 4.84 | 4.41 | 0.94 | 0.00 | 0.00 |
| PL | 23.29 | 2.44 | 10.86 | 9.94 | 0.06 | 0.00 | 0.00 |
| PT | 25.51 | 9.80 | 11.61 | 3.10 | 0.80 | 0.20 | 0.00 |
| RO | 26.58 | 17.01 | 7.06 | 0.52 | 1.98 | 0.00 | 0.00 |
| SI | 4.64 | 4.09 | 0.01 | 0.27 | 0.27 | 0.00 | 0.00 |
| SK | 6.31 | 4.14 | 0.01 | 1.66 | 0.51 | 0.00 | 0.00 |
| FI | 30.53 | 16.77 | 2.33 | 11.42 | 0.01 | 0.00 | 0.00 |
| SE | 102.57 | 75.44 | 16.27 | 10.77 | 0.10 | 0.00 | 0.00 |
| UK | 86.29 | 9.03 | 40.31 | 29.39 | 7.56 | 0.00 | 0.00 |

Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

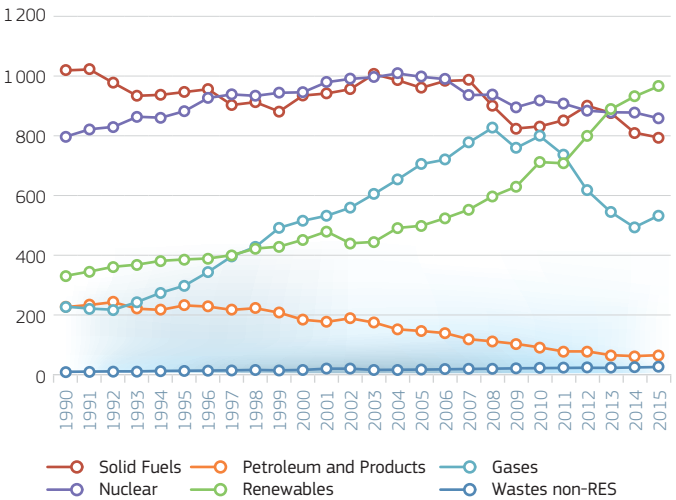
2.6.2 Gross Electricity Generation

BY FUEL – EU-28

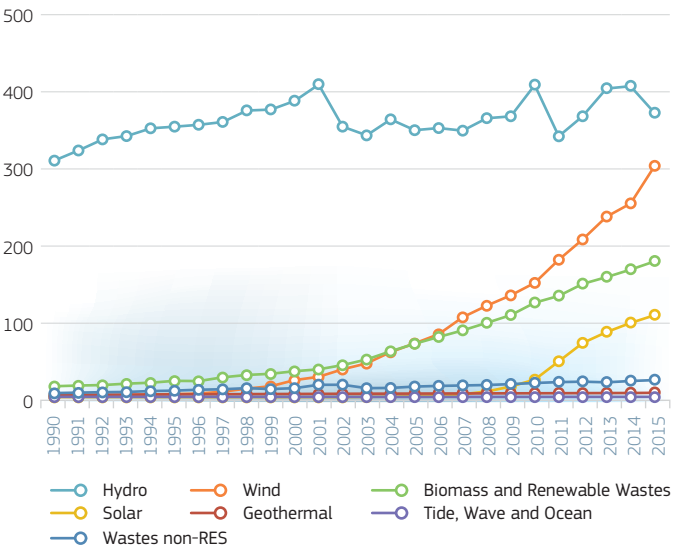
| Share of Total (%) | Solid Fuels | Renewables | Nuclear | Gases | Petroleum and Products |
|--------------------|-------------|------------|---------|-------|------------------------|
| 1990 | 39.3 | 12.6 | 30.6 | 8.6 | 8.6 |
| 1991 | 38.7 | 13.0 | 31.1 | 8.2 | 8.8 |
| 1992 | 37.2 | 13.6 | 31.5 | 8.1 | 9.2 |
| 1993 | 35.5 | 13.9 | 32.8 | 9.1 | 8.3 |
| 1994 | 35.1 | 14.1 | 32.2 | 10.2 | 8.1 |
| 1995 | 34.5 | 13.9 | 32.1 | 10.7 | 8.4 |
| 1996 | 33.6 | 13.6 | 32.5 | 12.0 | 8.0 |
| 1997 | 31.6 | 13.9 | 32.8 | 13.8 | 7.5 |
| 1998 | 31.2 | 14.4 | 31.9 | 14.6 | 7.5 |
| 1999 | 29.8 | 14.4 | 31.9 | 16.6 | 6.9 |
| 2000 | 30.8 | 14.8 | 31.1 | 16.9 | 6.0 |
| 2001 | 30.2 | 15.3 | 31.4 | 17.0 | 5.6 |
| 2002 | 30.4 | 13.9 | 31.5 | 17.7 | 5.9 |
| 2003 | 31.1 | 13.6 | 30.8 | 18.7 | 5.3 |
| 2004 | 29.8 | 14.8 | 30.5 | 19.8 | 4.5 |
| 2005 | 28.9 | 14.9 | 30.0 | 21.2 | 4.3 |
| 2006 | 29.2 | 15.5 | 29.4 | 21.3 | 4.0 |
| 2007 | 29.1 | 16.2 | 27.6 | 23.0 | 3.4 |
| 2008 | 26.6 | 17.6 | 27.7 | 24.4 | 3.2 |
| 2009 | 25.5 | 19.5 | 27.7 | 23.5 | 3.1 |
| 2010 | 24.6 | 21.1 | 27.2 | 23.7 | 2.6 |
| 2011 | 25.8 | 21.4 | 27.5 | 22.3 | 2.2 |
| 2012 | 27.3 | 24.2 | 26.8 | 18.7 | 2.2 |
| 2013 | 26.8 | 27.2 | 26.8 | 16.6 | 1.9 |
| 2014 | 25.3 | 29.2 | 27.5 | 15.4 | 1.8 |
| 2015 | 24.5 | 29.9 | 26.5 | 16.4 | 1.9 |

2.6.2 Gross Electricity Generation

BY FUEL – EU-28 – 1990-2015 (TWh)



GROSS ELECTRICITY GENERATION – EU-28 – RENEWABLES – 1990-2015 (TWh)



Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.6.3 Market Share of the Largest Electricity Producer

| % | 1999 | 2000 | 2005 | 2010 | 2013 | 2014 | 2015 |
|----|-------|-------|-------|-------|-------|-------|-------|
| BE | 92.3 | 91.1 | 85.0 | 79.1 | 64.9 | 59.8 | 48.5 |
| BG | | | | | | | |
| CZ | 71.0 | 69.2 | 72.0 | 73.0 | 58.2 | 57.5 | 55.4 |
| DK | 40.0 | 36.0 | 33.0 | 46.0 | 41.0 | 36.6 | 33.0 |
| DE | 28.1 | 34.0 | 31.0 | 28.4 | 32.0 | 32.0 | 32.0 |
| EE | 93.0 | 91.0 | 92.0 | 89.0 | 87.0 | 84.8 | 79.8 |
| IE | 97.0 | 97.0 | 71.0 | 34.0 | 54.0 | 51.0 | 55.0 |
| EL | 98.0 | 97.0 | 97.0 | 85.1 | 67.0 | 71.5 | 70.7 |
| ES | 51.8 | 42.4 | 35.0 | 24.0 | 22.0 | 23.8 | 24.5 |
| FR | 93.8 | 90.2 | 89.1 | 86.5 | 83.8 | 86.8 | 85.7 |
| HR | | | 87.0 | 88.0 | 84.0 | 80.3 | 77.8 |
| IT | 71.1 | 46.7 | 38.6 | 28.0 | 27.0 | 29.0 | 27.0 |
| CY | 99.7 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| LV | 96.5 | 95.8 | 92.7 | 88.0 | 79.8 | 54.8 | 57.4 |
| LT | 73.7 | 72.8 | 70.3 | 35.4 | 24.4 | 20.6 | 22.7 |
| LU | | | | 85.4 | 58.4 | 61.3 | 43.8 |
| HU | 38.9 | 41.3 | 38.7 | 42.1 | 52.9 | 54.0 | 53.1 |
| MT | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| NL | | | | | | | |
| AT | 21.4 | 32.6 | | | | | |
| PL | 20.8 | 19.5 | 18.5 | 17.4 | 17.3 | 17.9 | 17.4 |
| PT | 57.8 | 58.5 | 53.9 | 47.2 | 43.9 | 46.5 | 42.5 |
| RO | | | 36.4 | 33.6 | 26.8 | 29.9 | 25.7 |
| SI | | | 50.1 | 56.3 | 57.1 | 52.4 | 51.3 |
| SK | 83.6 | 85.1 | 83.6 | 80.9 | 83.8 | 81.8 | 73.1 |
| FI | 26.0 | 23.3 | 23.0 | 26.6 | 25.3 | 25.2 | 25.9 |
| SE | 52.8 | 49.5 | 47.0 | 42.0 | 44.8 | 42.9 | 40.6 |
| UK | 21.0 | 20.6 | 20.5 | 21.0 | 29.3 | | |

Source: Eurostat, May 2017

Methodology and Notes: [See Appendix 13 – No 2](#)

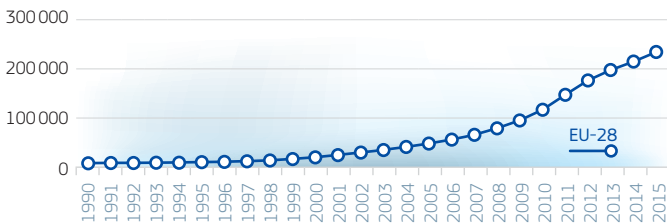
2.7 Solar and Wind Energy

2.7.1 Solar and Wind Energy – Cumulative Capacity

TOTAL

| MW | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|-------|------|-------|-------|--------|--------|--------|
| EU-28 | 2479 | 12890 | 42697 | 114837 | 218224 | 238647 |
| BE | 5 | 14 | 169 | 1816 | 4971 | 5298 |
| BG | 0 | 0 | 8 | 513 | 1726 | 1729 |
| CZ | 0 | 1 | 23 | 1940 | 2346 | 2356 |
| DK | 599 | 2391 | 3131 | 3809 | 5493 | 5857 |
| DE | 1155 | 6209 | 20431 | 44734 | 77429 | 84458 |
| EE | 0 | 0 | 31 | 108 | 275 | 300 |
| IE | 6 | 119 | 517 | 1375 | 2213 | 2442 |
| EL | 27 | 226 | 492 | 1500 | 4574 | 4695 |
| ES | 105 | 2218 | 9978 | 25346 | 30062 | 30099 |
| FR | 5 | 45 | 703 | 6956 | 14722 | 16972 |
| HR | 0 | 0 | 6 | 79 | 372 | 466 |
| IT | 38 | 382 | 1669 | 9386 | 27277 | 28029 |
| CY | 0 | 0 | 1 | 89 | 211 | 234 |
| LV | 1 | 2 | 26 | 30 | 69 | 69 |
| LT | 0 | 0 | 1 | 133 | 357 | 505 |
| LU | 0 | 14 | 59 | 73 | 168 | 180 |
| HU | 0 | 0 | 17 | 295 | 406 | 497 |
| MT | 0 | 0 | 0 | 1 | 55 | 74 |
| NL | 252 | 460 | 1275 | 2327 | 3913 | 4906 |
| AT | 2 | 55 | 808 | 1135 | 2895 | 3426 |
| PL | 0 | 4 | 121 | 1108 | 3863 | 4994 |
| PT | 8 | 84 | 1066 | 3930 | 5271 | 5384 |
| RO | 0 | 0 | 1 | 389 | 4537 | 4456 |
| SI | 0 | 0 | 0 | 12 | 227 | 243 |
| SK | 0 | 0 | 5 | 22 | 536 | 536 |
| FI | 7 | 40 | 86 | 204 | 638 | 1020 |
| SE | 69 | 212 | 497 | 2030 | 5157 | 5944 |
| UK | 200 | 414 | 1576 | 5497 | 18461 | 23478 |

SOLAR AND WIND ENERGY – CUMULATIVE CAPACITY – TOTAL – 1990-2015 (MW)



Source: Eurostat, May 2017

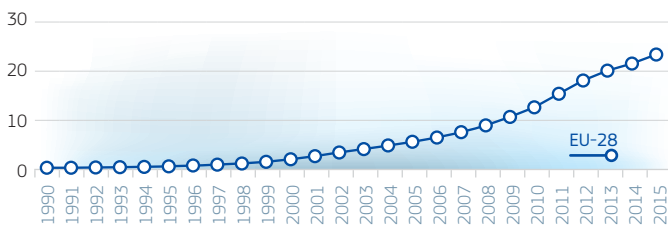
Methodology and Notes: See Appendix 13 – No 2

2.7.1 Solar and Wind Energy – Cumulative Capacity

SHARE OF TOTAL INSTALLED ELECTRICITY CAPACITY

| % | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|-------|------|-------|-------|-------|-------|-------|
| EU-28 | 0.4 | 1.9 | 5.6 | 13.0 | 22.4 | 24.3 |
| BE | 0.03 | 0.09 | 1.05 | 9.72 | 23.75 | 25.05 |
| BG | 0.00 | 0.00 | 0.07 | 5.11 | 15.15 | 15.84 |
| CZ | 0.00 | 0.01 | 0.13 | 9.66 | 10.70 | 10.77 |
| DK | 5.53 | 19.41 | 24.02 | 28.34 | 40.32 | 41.82 |
| DE | 0.99 | 5.22 | 15.89 | 27.50 | 39.02 | 41.39 |
| EE | 0.00 | 0.00 | 1.21 | 3.93 | 9.08 | 10.50 |
| IE | 0.15 | 2.53 | 8.37 | 17.15 | 24.36 | 25.55 |
| EL | 0.30 | 2.07 | 3.70 | 9.80 | 24.21 | 24.79 |
| ES | 0.23 | 4.11 | 13.03 | 24.90 | 28.24 | 28.16 |
| FR | 0.00 | 0.04 | 0.61 | 5.58 | 11.42 | 13.13 |
| HR | 0.00 | 0.00 | 0.16 | 1.92 | 8.40 | 9.71 |
| IT | 0.06 | 0.51 | 1.95 | 8.80 | 22.40 | 23.97 |
| CY | 0.00 | 0.00 | 0.09 | 5.71 | 12.24 | 13.33 |
| LV | 0.05 | 0.10 | 1.20 | 1.17 | 2.36 | 2.35 |
| LT | 0.00 | 0.00 | 0.02 | 3.73 | 8.84 | 14.08 |
| LU | 0.00 | 1.15 | 3.51 | 4.27 | 8.31 | 8.90 |
| HU | 0.00 | 0.00 | 0.20 | 3.28 | 4.69 | 5.79 |
| MT | 0.00 | 0.00 | 0.00 | 0.17 | 8.11 | 11.09 |
| NL | 1.32 | 2.18 | 5.85 | 8.72 | 12.32 | 14.49 |
| AT | 0.01 | 0.31 | 4.28 | 5.36 | 12.04 | 14.02 |
| PL | 0.00 | 0.01 | 0.38 | 3.32 | 10.73 | 13.38 |
| PT | 0.09 | 0.77 | 7.97 | 20.76 | 27.56 | 27.43 |
| RO | 0.00 | 0.00 | 0.01 | 1.95 | 19.00 | 18.70 |
| SI | 0.00 | 0.00 | 0.00 | 0.38 | 6.57 | 7.23 |
| SK | 0.00 | 0.00 | 0.06 | 0.28 | 6.62 | 6.89 |
| FI | 0.05 | 0.25 | 0.52 | 1.31 | 3.93 | 6.43 |
| SE | 0.21 | 0.63 | 1.49 | 5.57 | 13.31 | 14.97 |
| UK | 0.29 | 0.53 | 1.91 | 5.86 | 19.49 | 24.66 |

SOLAR AND WIND ENERGY – CUMULATIVE CAPACITY – SHARE OF TOTAL – 1990-2015 (%)



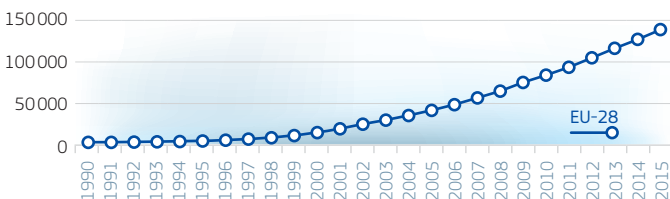
Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.7.2 Wind Cumulative Installed Capacity

TOTAL

| MW | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|-------|------|-------|-------|-------|--------|--------|
| EU-28 | 2430 | 12711 | 40400 | 84566 | 129100 | 141481 |
| BE | 5 | 14 | 167 | 912 | 1944 | 2176 |
| BG | 0 | 0 | 8 | 488 | 700 | 700 |
| CZ | 0 | 1 | 22 | 213 | 278 | 281 |
| DK | 599 | 2390 | 3128 | 3802 | 4886 | 5075 |
| DE | 1137 | 6095 | 18375 | 27180 | 39193 | 44670 |
| EE | 0 | 0 | 31 | 108 | 275 | 300 |
| IE | 6 | 119 | 517 | 1374 | 2211 | 2440 |
| EL | 27 | 226 | 491 | 1298 | 1978 | 2091 |
| ES | 98 | 2206 | 9918 | 20693 | 22975 | 22943 |
| FR | 3 | 38 | 690 | 5912 | 9068 | 10217 |
| HR | 0 | 0 | 6 | 79 | 339 | 418 |
| IT | 22 | 363 | 1635 | 5794 | 8683 | 9137 |
| CY | 0 | 0 | 0 | 82 | 147 | 158 |
| LV | 1 | 2 | 26 | 30 | 69 | 69 |
| LT | 0 | 0 | 1 | 133 | 288 | 436 |
| LU | 0 | 14 | 35 | 44 | 58 | 64 |
| HU | 0 | 0 | 17 | 293 | 329 | 329 |
| MT | 0 | 0 | 0 | 0 | 0 | 0 |
| NL | 250 | 447 | 1224 | 2237 | 2865 | 3391 |
| AT | 1 | 50 | 778 | 981 | 2110 | 2489 |
| PL | 0 | 4 | 121 | 1108 | 3836 | 4886 |
| PT | 8 | 83 | 1064 | 3796 | 4856 | 4937 |
| RO | 0 | 0 | 1 | 389 | 3244 | 3130 |
| SI | 0 | 0 | 0 | 0 | 4 | 5 |
| SK | 0 | 0 | 5 | 3 | 3 | 3 |
| FI | 6 | 38 | 82 | 197 | 627 | 1005 |
| SE | 67 | 209 | 493 | 2019 | 5097 | 5840 |
| UK | 200 | 412 | 1565 | 5401 | 13037 | 14291 |

WIND CUMULATIVE INSTALLED CAPACITY – TOTAL –
1990-2015 (MW)

Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.7.2 Wind Cumulative Installed Capacity

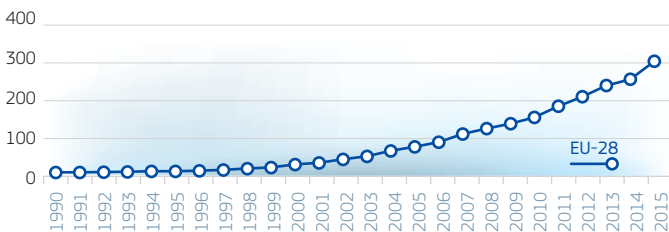
SHARE OF TOTAL INSTALLED ELECTRICITY CAPACITY

| % | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|-------|------|------|------|------|------|------|
| EU-28 | 0.4 | 1.9 | 5.3 | 9.6 | 13.2 | 14.4 |
| BE | 0.0 | 0.1 | 1.0 | 4.9 | 9.3 | 10.3 |
| BG | 0.0 | 0.0 | 0.1 | 4.9 | 6.1 | 6.4 |
| CZ | 0.0 | 0.0 | 0.1 | 1.1 | 1.3 | 1.3 |
| DK | 5.5 | 19.4 | 24.0 | 28.3 | 35.9 | 36.2 |
| DE | 1.0 | 5.1 | 14.3 | 16.7 | 19.8 | 21.9 |
| EE | 0.0 | 0.0 | 1.2 | 3.9 | 9.1 | 10.5 |
| IE | 0.1 | 2.5 | 8.4 | 17.1 | 24.3 | 25.5 |
| EL | 0.3 | 2.1 | 3.7 | 8.5 | 10.5 | 11.0 |
| ES | 0.2 | 4.1 | 13.0 | 20.3 | 21.6 | 21.5 |
| FR | 0.0 | 0.0 | 0.6 | 4.7 | 7.0 | 7.9 |
| HR | 0.0 | 0.0 | 0.2 | 1.9 | 7.7 | 8.7 |
| IT | 0.0 | 0.5 | 1.9 | 5.4 | 7.1 | 7.8 |
| CY | 0.0 | 0.0 | 0.0 | 5.3 | 8.5 | 9.0 |
| LV | 0.0 | 0.1 | 1.2 | 1.2 | 2.4 | 2.4 |
| LT | 0.0 | 0.0 | 0.0 | 3.7 | 7.1 | 12.2 |
| LU | 0.0 | 1.2 | 2.1 | 2.6 | 2.9 | 3.2 |
| HU | 0.0 | 0.0 | 0.2 | 3.3 | 3.8 | 3.8 |
| MT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NL | 1.3 | 2.1 | 5.6 | 8.4 | 9.0 | 10.0 |
| AT | 0.0 | 0.3 | 4.1 | 4.6 | 8.8 | 10.2 |
| PL | 0.0 | 0.0 | 0.4 | 3.3 | 10.7 | 13.1 |
| PT | 0.1 | 0.8 | 8.0 | 20.1 | 25.4 | 25.2 |
| RO | 0.0 | 0.0 | 0.0 | 2.0 | 13.6 | 13.1 |
| SI | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |
| SK | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| FI | 0.0 | 0.2 | 0.5 | 1.3 | 3.9 | 6.3 |
| SE | 0.2 | 0.6 | 1.5 | 5.5 | 13.2 | 14.7 |
| UK | 0.3 | 0.5 | 1.9 | 5.8 | 13.8 | 15.0 |

2.7.3 Wind Gross Electricity Production

TOTAL

| TWh | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|-------|------|------|------|-------|-------|-------|
| EU-28 | 4.1 | 22.2 | 70.5 | 149.4 | 253.1 | 301.9 |
| BE | 0.0 | 0.0 | 0.2 | 1.3 | 4.6 | 5.6 |
| BG | 0.0 | 0.0 | 0.0 | 0.7 | 1.3 | 1.5 |
| CZ | 0.0 | 0.0 | 0.0 | 0.3 | 0.5 | 0.6 |
| DK | 1.2 | 4.2 | 6.6 | 7.8 | 13.1 | 14.1 |
| DE | 1.7 | 9.4 | 27.2 | 37.8 | 57.4 | 79.2 |
| EE | 0.0 | 0.0 | 0.1 | 0.3 | 0.6 | 0.7 |
| IE | 0.0 | 0.2 | 1.1 | 2.8 | 5.1 | 6.6 |
| EL | 0.0 | 0.5 | 1.3 | 2.7 | 3.7 | 4.6 |
| ES | 0.3 | 4.7 | 21.2 | 44.3 | 52.0 | 49.3 |
| FR | 0.0 | 0.0 | 1.0 | 9.9 | 17.2 | 21.2 |
| HR | 0.0 | 0.0 | 0.0 | 0.1 | 0.7 | 0.8 |
| IT | 0.0 | 0.6 | 2.3 | 9.1 | 15.2 | 14.8 |
| 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 | 0.6 | 0.8 |
| LU | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 |
| HU | 0.0 | 0.0 | 0.0 | 0.5 | 0.7 | 0.7 |
| MT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NL | 0.3 | 0.8 | 2.1 | 4.0 | 5.8 | 7.6 |
| AT | 0.0 | 0.1 | 1.3 | 2.1 | 3.8 | 4.8 |
| PL | 0.0 | 0.0 | 0.1 | 1.7 | 7.7 | 10.9 |
| PT | 0.0 | 0.2 | 1.8 | 9.2 | 12.1 | 11.6 |
| RO | 0.0 | 0.0 | 0.0 | 0.3 | 6.2 | 7.1 |
| 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 | 1.1 | 2.3 |
| SE | 0.1 | 0.5 | 0.9 | 3.5 | 11.2 | 16.3 |
| UK | 0.4 | 0.9 | 2.9 | 10.3 | 32.0 | 40.3 |

WIND GROSS ELECTRICITY PRODUCTION – TOTAL –
1990-2015 (TWh)

Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.7.4 Wind Penetration Level

IN TOTAL GROSS ELECTRICITY GENERATION

| % | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|-------|------|------|------|------|------|------|
| EU-28 | 0.1 | 0.7 | 2.1 | 4.4 | 7.9 | 9.3 |
| BE | 0.0 | 0.0 | 0.3 | 1.4 | 6.4 | 7.9 |
| BG | 0.0 | 0.0 | 0.0 | 1.5 | 2.8 | 2.9 |
| CZ | 0.0 | 0.0 | 0.0 | 0.4 | 0.6 | 0.7 |
| DK | 3.2 | 11.8 | 18.2 | 20.1 | 40.6 | 48.8 |
| DE | 0.3 | 1.6 | 4.4 | 6.0 | 9.1 | 12.2 |
| EE | 0.0 | 0.0 | 0.5 | 2.1 | 4.9 | 6.9 |
| IE | 0.1 | 1.0 | 4.3 | 9.9 | 19.7 | 23.2 |
| EL | 0.1 | 0.8 | 2.1 | 4.7 | 7.3 | 8.9 |
| ES | 0.2 | 2.1 | 7.2 | 14.7 | 18.7 | 17.6 |
| FR | 0.0 | 0.0 | 0.2 | 1.7 | 3.1 | 3.7 |
| HR | 0.0 | 0.0 | 0.1 | 0.9 | 5.4 | 7.0 |
| IT | 0.0 | 0.2 | 0.8 | 3.0 | 5.4 | 5.2 |
| CY | 0.0 | 0.0 | 0.0 | 0.6 | 4.2 | 4.9 |
| LV | 0.0 | 0.1 | 1.0 | 0.7 | 2.7 | 2.7 |
| LT | 0.0 | 0.0 | 0.0 | 3.9 | 14.5 | 16.4 |
| LU | 0.0 | 2.3 | 1.3 | 1.2 | 2.7 | 3.7 |
| HU | 0.0 | 0.0 | 0.0 | 1.4 | 2.2 | 2.3 |
| MT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NL | 0.4 | 0.9 | 2.1 | 3.3 | 5.6 | 6.9 |
| AT | 0.0 | 0.1 | 2.0 | 2.9 | 5.9 | 7.4 |
| PL | 0.0 | 0.0 | 0.1 | 1.1 | 4.8 | 6.6 |
| PT | 0.0 | 0.4 | 3.8 | 17.0 | 22.9 | 22.1 |
| RO | 0.0 | 0.0 | 0.0 | 0.5 | 9.4 | 10.7 |
| 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 | 0.4 | 1.6 | 3.4 |
| SE | 0.1 | 0.3 | 0.6 | 2.4 | 7.3 | 10.0 |
| UK | 0.1 | 0.3 | 0.7 | 2.7 | 9.5 | 11.9 |

2.7.5 Wind Capacity Factor

ANNUAL AVERAGE

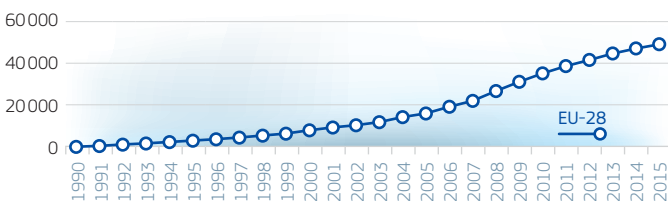
| % | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|-------|------|------|------|------|------|------|
| EU-28 | 19.1 | 19.9 | 19.9 | 20.1 | 22.4 | 24.3 |
| BE | 20.5 | 13.0 | 15.5 | 16.2 | 27.1 | 29.2 |
| BG | 0.0 | 0.0 | 7.1 | 15.9 | 21.7 | 23.7 |
| CZ | 0.0 | 11.4 | 10.9 | 17.9 | 19.6 | 23.3 |
| DK | 22.4 | 20.2 | 24.1 | 23.4 | 30.5 | 31.8 |
| DE | 17.2 | 17.5 | 16.9 | 15.9 | 16.7 | 20.2 |
| EE | 0.0 | 0.0 | 19.9 | 29.3 | 25.1 | 27.2 |
| IE | 30.4 | 23.4 | 24.5 | 23.4 | 26.5 | 30.7 |
| EL | 14.4 | 22.8 | 29.4 | 23.9 | 21.3 | 25.2 |
| ES | 31.4 | 24.4 | 24.4 | 24.4 | 25.8 | 24.5 |
| FR | 19.0 | 14.4 | 15.9 | 19.2 | 21.7 | 23.7 |
| HR | 0.0 | 0.0 | 19.0 | 20.1 | 24.6 | 21.7 |
| IT | 4.7 | 17.7 | 16.4 | 18.0 | 19.9 | 18.5 |
| CY | 0.0 | 0.0 | 0.0 | 4.3 | 14.1 | 16.0 |
| LV | 0.0 | 22.8 | 20.6 | 18.6 | 23.3 | 24.3 |
| LT | 0.0 | 0.0 | 22.8 | 19.2 | 25.3 | 21.2 |
| LU | 0.0 | 22.0 | 16.9 | 14.3 | 15.7 | 18.2 |
| HU | 0.0 | 0.0 | 6.7 | 20.8 | 22.8 | 24.0 |
| MT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NL | 14.5 | 21.2 | 19.3 | 20.4 | 23.1 | 25.4 |
| AT | 11.4 | 15.3 | 19.5 | 24.0 | 20.8 | 22.2 |
| PL | 0.0 | 14.3 | 12.7 | 17.1 | 22.8 | 25.4 |
| PT | 22.8 | 23.1 | 19.0 | 27.6 | 28.5 | 26.8 |
| RO | 0.0 | 0.0 | 0.0 | 9.0 | 21.8 | 25.7 |
| SI | 0.0 | 0.0 | 0.0 | 0.0 | 11.4 | 13.7 |
| SK | 0.0 | 0.0 | 13.7 | 22.8 | 22.8 | 22.8 |
| FI | 20.9 | 23.4 | 23.7 | 17.0 | 20.1 | 26.4 |
| SE | 16.9 | 24.9 | 21.7 | 19.8 | 25.1 | 31.8 |
| UK | 22.3 | 26.2 | 21.2 | 21.7 | 28.0 | 32.2 |

Source: Eurostat, May 2017

Methodology and Notes: [See Appendix 13 – No 2](#)

2.7.6 Solar Collectors' Surface

| 1 000 m ² | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|----------------------|-------|--------|--------|--------|--------|--------|
| EU-28 | 6 543 | 11 052 | 18 291 | 35 537 | 46 251 | 48 152 |
| BE | 36 | 41 | 77 | 371 | 615 | 661 |
| BG | 0 | 0 | 0 | 194 | 327 | 344 |
| CZ | 0 | 0 | 85 | 309 | 507 | 538 |
| DK | 144 | 243 | 286 | 480 | 810 | 957 |
| DE | 1 166 | 3 251 | 7 099 | 14 044 | 17 987 | 18 625 |
| EE | 0 | 0 | 0 | 0 | 0 | 0 |
| IE | 2 | 4 | 13 | 185 | 300 | 320 |
| EL | 2 101 | 2 941 | 3 047 | 4 100 | 4 287 | 4 390 |
| ES | 319 | 403 | 797 | 2 373 | 3 348 | 3 591 |
| FR | 598 | 513 | 583 | 1 447 | 2 096 | 2 171 |
| HR | 0 | 20 | 41 | 92 | 162 | 183 |
| IT | 174 | 271 | 680 | 2 415 | 3 538 | 3 724 |
| CY | 0 | 0 | 730 | 909 | 993 | 1 009 |
| LV | 0 | 0 | 0 | 0 | 0 | 0 |
| LT | 0 | 0 | 0 | 0 | 0 | 0 |
| LU | 0 | 0 | 6 | 29 | 52 | 56 |
| HU | 27 | 36 | 45 | 140 | 250 | 280 |
| MT | 0 | 0 | 0 | 40 | 50 | 51 |
| NL | 139 | 276 | 422 | 576 | 644 | 647 |
| AT | 1 241 | 2 202 | 3 083 | 4 441 | 5 059 | 5 059 |
| PL | 0 | 0 | 95 | 656 | 1 730 | 1 900 |
| PT | 200 | 238 | 289 | 752 | 1 079 | 1 121 |
| RO | 0 | 0 | 0 | 104 | 143 | 204 |
| SI | 0 | 0 | 0 | 178 | 236 | 239 |
| SK | 0 | 0 | 64 | 123 | 166 | 171 |
| FI | 7 | 10 | 16 | 31 | 45 | 50 |
| SE | 135 | 207 | 371 | 510 | 475 | 478 |
| UK | 254 | 396 | 462 | 1 038 | 1 352 | 1 383 |

SOLAR COLLECTORS' SURFACE – TOTAL – 1990-2015 (1 000 m²)

Source: Eurostat, May 2017

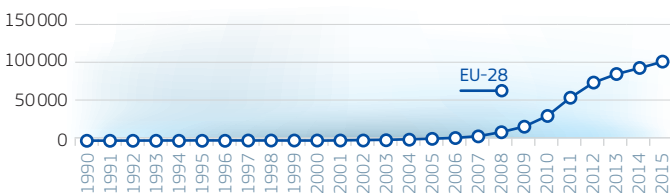
Methodology and Notes: See Appendix 13 – No 2

2.7.7 Solar Installed Capacity

TOTAL

| MW | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|-------|------|------|-------|--------|--------|--------|
| EU-28 | 49 | 179 | 2 297 | 30 271 | 89 124 | 97 166 |
| BE | 0 | 0 | 2 | 904 | 3 027 | 3 122 |
| BG | 0 | 0 | 0 | 25 | 1 026 | 1 029 |
| CZ | 0 | 0 | 1 | 1 727 | 2 068 | 2 075 |
| DK | 0 | 1 | 3 | 7 | 607 | 782 |
| DE | 18 | 114 | 2 056 | 17 554 | 38 236 | 39 788 |
| EE | 0 | 0 | 0 | 0 | 0 | 0 |
| IE | 0 | 0 | 0 | 1 | 2 | 2 |
| EL | 0 | 0 | 1 | 202 | 2 596 | 2 604 |
| ES | 7 | 12 | 60 | 4 653 | 7 087 | 7 156 |
| FR | 2 | 7 | 13 | 1 044 | 5 654 | 6 755 |
| HR | 0 | 0 | 0 | 0 | 33 | 48 |
| IT | 16 | 19 | 34 | 3 592 | 18 594 | 18 892 |
| CY | 0 | 0 | 1 | 7 | 64 | 76 |
| LV | 0 | 0 | 0 | 0 | 0 | 0 |
| LT | 0 | 0 | 0 | 0 | 69 | 69 |
| LU | 0 | 0 | 24 | 29 | 110 | 116 |
| HU | 0 | 0 | 0 | 2 | 77 | 168 |
| MT | 0 | 0 | 0 | 1 | 55 | 74 |
| NL | 2 | 13 | 51 | 90 | 1 048 | 1 515 |
| AT | 1 | 5 | 30 | 154 | 785 | 937 |
| PL | 0 | 0 | 0 | 0 | 27 | 108 |
| PT | 0 | 1 | 2 | 134 | 415 | 447 |
| RO | 0 | 0 | 0 | 0 | 1 293 | 1 326 |
| SI | 0 | 0 | 0 | 12 | 223 | 238 |
| SK | 0 | 0 | 0 | 19 | 533 | 533 |
| FI | 1 | 2 | 4 | 7 | 11 | 15 |
| SE | 2 | 3 | 4 | 11 | 60 | 104 |
| UK | 0 | 2 | 11 | 96 | 5 424 | 9 187 |

SOLAR INSTALLED CAPACITY – TOTAL – 1990-2015 (MW)



Source: Eurostat, May 2017

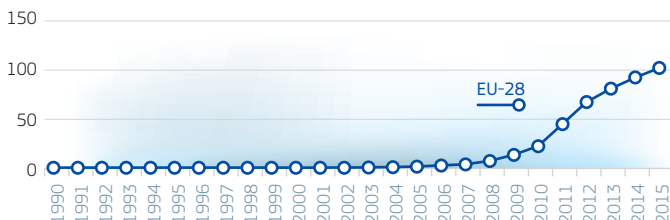
Methodology and Notes: See Appendix 13 – No 2

2.7.8 Solar Gross Electricity Production

TOTAL

| TWh | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|-------|------|------|------|------|------|-------|
| EU-28 | 0.0 | 0.1 | 1.5 | 23.3 | 97.8 | 107.9 |
| BE | 0.0 | 0.0 | 0.0 | 0.6 | 2.9 | 3.1 |
| BG | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.4 |
| CZ | 0.0 | 0.0 | 0.0 | 0.6 | 2.1 | 2.3 |
| DK | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 |
| DE | 0.0 | 0.1 | 1.3 | 11.7 | 36.1 | 38.7 |
| 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 | 3.8 | 3.9 |
| ES | 0.0 | 0.0 | 0.0 | 7.2 | 13.7 | 13.9 |
| FR | 0.0 | 0.0 | 0.0 | 0.6 | 5.9 | 7.3 |
| HR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| IT | 0.0 | 0.0 | 0.0 | 1.9 | 22.3 | 22.9 |
| CY | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |
| LV | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| LT | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |
| LU | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |
| HU | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |
| MT | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |
| NL | 0.0 | 0.0 | 0.0 | 0.1 | 0.8 | 1.1 |
| AT | 0.0 | 0.0 | 0.0 | 0.1 | 0.8 | 0.9 |
| PL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| PT | 0.0 | 0.0 | 0.0 | 0.2 | 0.6 | 0.8 |
| RO | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 2.0 |
| SI | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 |
| SK | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.5 |
| FI | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| UK | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 7.6 |

SOLAR GROSS ELECTRICITY PRODUCTION – TOTAL – 1990–2015 (TWh)



Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.7.9 Solar Penetration Level

IN TOTAL GROSS ELECTRICITY GENERATION

| % | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|-------|------|------|------|------|------|------|
| EU-28 | 0.0 | 0.0 | 0.0 | 0.7 | 3.1 | 3.3 |
| BE | 0.0 | 0.0 | 0.0 | 0.6 | 4.0 | 4.3 |
| BG | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 2.8 |
| CZ | 0.0 | 0.0 | 0.0 | 0.7 | 2.5 | 2.7 |
| DK | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 2.1 |
| DE | 0.0 | 0.0 | 0.2 | 1.9 | 5.7 | 6.0 |
| 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 | 0.3 | 7.5 | 7.5 |
| ES | 0.0 | 0.0 | 0.0 | 2.4 | 4.9 | 4.9 |
| FR | 0.0 | 0.0 | 0.0 | 0.1 | 1.0 | 1.3 |
| HR | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.5 |
| IT | 0.0 | 0.0 | 0.0 | 0.6 | 8.0 | 8.1 |
| CY | 0.0 | 0.0 | 0.0 | 0.1 | 1.9 | 2.8 |
| LV | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| LT | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 1.5 |
| LU | 0.0 | 0.0 | 0.4 | 0.5 | 3.2 | 3.8 |
| HU | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 |
| MT | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 7.1 |
| NL | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 1.0 |
| AT | 0.0 | 0.0 | 0.0 | 0.1 | 1.2 | 1.4 |
| PL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PT | 0.0 | 0.0 | 0.0 | 0.4 | 1.2 | 1.5 |
| RO | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 3.0 |
| SI | 0.0 | 0.0 | 0.0 | 0.1 | 1.5 | 1.8 |
| SK | 0.0 | 0.0 | 0.0 | 0.1 | 2.2 | 1.9 |
| FI | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| UK | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 2.2 |

2.8 CHP

2.8.1 CHP Electricity

GENERATION AND CAPACITY

| | CHP Electricity Generation | | | CHP Electrical Capacity | | |
|-------|----------------------------|-------|-------|-------------------------|-------|-------|
| | TWh | | | GW | | |
| | 2013 | 2014 | 2015 | 2013 | 2014 | 2015 |
| EU-28 | 378.5 | 331.1 | 362.9 | 113.4 | 119.3 | 119.7 |
| BE | 12.7 | 12.2 | 12.5 | 2.3 | 2.4 | 2.4 |
| BG | 3.7 | 3.0 | 2.9 | 1.2 | 0.9 | 1.1 |
| CZ | 12.0 | 11.8 | 11.8 | 4.6 | 4.6 | 4.6 |
| DK | 14.1 | 11.5 | 11.6 | 6.3 | 6.2 | 6.1 |
| DE | 78.7 | 74.8 | 78.8 | 27.3 | 37.2 | 37.1 |
| EE | 1.2 | 1.2 | 1.2 | 0.5 | 0.5 | 0.4 |
| IE | 2.0 | 2.0 | 2.1 | 0.3 | 0.3 | 0.3 |
| EL | 1.9 | 1.9 | 2.0 | 0.6 | 0.6 | 0.6 |
| ES | 24.1 | 23.3 | 22.7 | 3.4 | 3.9 | 3.5 |
| FR | 13.9 | 11.6 | 13.9 | 4.8 | 6.2 | 5.6 |
| HR | 1.7 | 0.9 | 0.8 | 0.7 | 0.7 | 0.6 |
| IT | 36.7 | 36.7 | 39.5 | 8.3 | 8.6 | 9.0 |
| CY | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| LV | 2.4 | 2.4 | 2.5 | 1.2 | 1.1 | 1.1 |
| LT | 1.7 | 1.5 | 1.5 | 1.2 | 1.1 | 1.0 |
| LU | 0.4 | 0.4 | 0.4 | 0.5 | 0.1 | 0.1 |
| HU | 3.9 | 3.8 | 4.1 | 1.7 | 2.3 | 1.6 |
| MT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NL | 34.8 | 30.0 | 29.8 | 9.4 | 9.2 | 9.2 |
| AT | 9.9 | 8.5 | 9.0 | 5.6 | 4.0 | 2.8 |
| PL | 26.1 | 24.1 | 26.5 | 8.3 | 8.6 | 8.6 |
| PT | 7.2 | 6.8 | 6.5 | 1.4 | 1.4 | 1.3 |
| RO | 6.6 | 6.1 | 5.6 | 2.1 | 1.8 | 1.8 |
| SI | 1.2 | 1.2 | 1.2 | 0.4 | 0.4 | 0.4 |
| SK | 22.2 | - | 21.1 | 4.4 | - | 3.7 |
| FI | 24.3 | 23.0 | 21.7 | 6.1 | 6.0 | 5.8 |
| SE | 15.6 | 12.1 | 13.7 | 4.8 | 5.0 | 4.9 |
| UK | 19.7 | 20.3 | 19.4 | 6.2 | 6.3 | 5.9 |

Source: Eurostat, July 2017

Methodology and Notes: [See Appendix 13 – No 2](#)

2.8.2 CHP Heat

PRODUCTION AND CAPACITY

| | CHP Heat Production | | | CHP Heat Capacity* | | |
|-------|---------------------|--------|--------|--------------------|-------|-------|
| | PJ | | | GW | | |
| | 2013 | 2014 | 2015 | 2013 | 2014 | 2015 |
| EU-28 | 2901.1 | 2767.9 | 2791.7 | 279.7 | 285.7 | 303.8 |
| BE | 27.1 | 107.4 | 104.4 | 5.3 | 5.5 | 5.1 |
| BG | 40.4 | 33.4 | 31.9 | 4.1 | 3.4 | 3.7 |
| CZ | 120.9 | 105.6 | 106.0 | 21.0 | 21.0 | 21.0 |
| DK | 104.6 | 91.1 | 93.3 | 9.7 | 9.6 | 9.5 |
| DE | 654.0 | 651.4 | 669.9 | 73.1 | 92.2 | 95.1 |
| EE | 12.6 | 12.7 | 12.5 | 1.4 | 1.4 | 1.3 |
| IE | 12.4 | 11.6 | 12.6 | 0.7 | 0.6 | 0.6 |
| EL | 10.5 | 10.1 | 10.9 | 0.8 | 0.8 | 0.7 |
| ES | 174.9 | 138.2 | 120.3 | 5.6 | 5.5 | 5.0 |
| FR | 150.7 | 132.0 | 154.9 | 12.1 | 13.7 | 14.1 |
| HR | 13.3 | 11.3 | 10.0 | 1.7 | 1.7 | 1.6 |
| IT | 212.8 | 202.5 | 213.2 | 16.3 | 19.8 | 14.2 |
| CY | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 |
| LV | 11.3 | 11.8 | 12.4 | 3.3 | 1.3 | 1.2 |
| LT | 15.3 | 13.1 | 12.4 | 2.4 | 2.2 | 1.9 |
| LU | 3.4 | 2.5 | 2.4 | 0.9 | 0.2 | 0.2 |
| HU | 27.0 | 25.9 | 24.4 | 3.2 | 4.8 | 3.2 |
| MT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NL | 217.9 | 196.3 | 189.6 | 18.3 | 18.3 | 18.1 |
| AT | 110.8 | 102.5 | 105.9 | 9.2 | 8.9 | 8.6 |
| PL | 257.4 | 237.6 | 238.6 | 24.6 | 25.2 | 23.9 |
| PT | 68.4 | 69.3 | 59.3 | 4.8 | 4.6 | 4.3 |
| RO | 57.9 | 55.4 | 51.0 | 10.1 | 10.0 | 9.8 |
| SI | 10.8 | 10.2 | 10.4 | 0.7 | 0.7 | 0.7 |
| SK | 27.8 | - | 27.3 | 15.5 | - | 24.3 |
| FI | 251.2 | 247.6 | 242.4 | 15.8 | 15.4 | 15.2 |
| SE | 165.1 | 145.1 | 151.3 | 11.4 | 10.7 | 12.8 |
| UK | 142.5 | 143.3 | 124.2 | 7.7 | 8.2 | 7.6 |

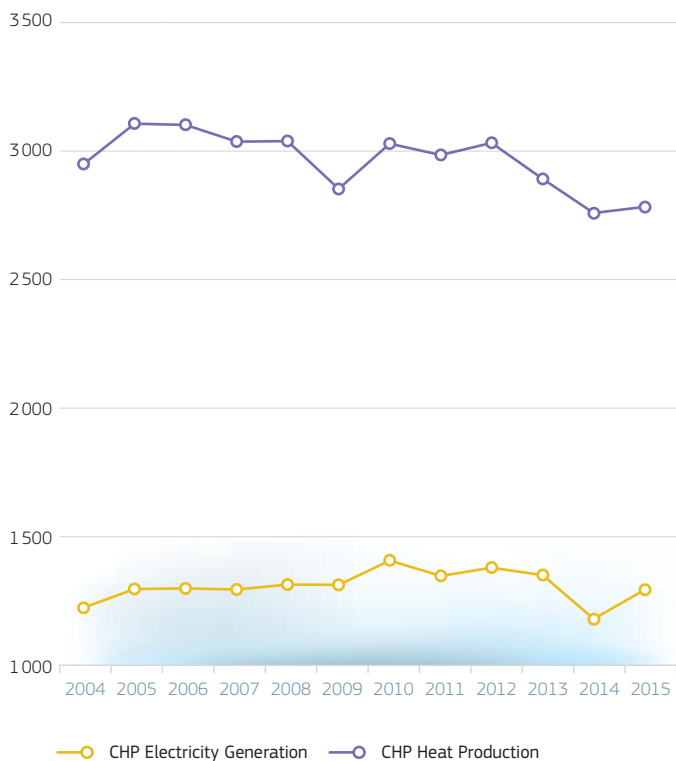
* Data on heat capacity before 2009 is not consistent across the EU-28.

Source: Eurostat, July 2017

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, July 2017

Methodology and Notes: [See Appendix 13 – No 2](#)

2.9 Heat*

2.9.1 Gross Heat Generation

TOTAL

| PJ (GCV) | 1995 | 2000 | 2005 | 2010 | 2013 | 2014 | 2015 |
|------------|---------|---------|---------|---------|---------|---------|---------|
| EU-28 | 2 286.7 | 2 187.3 | 2 593.2 | 2 703.6 | 2 504.3 | 2 324.7 | 2 370.4 |
| Index 1995 | 100% | 96% | 113% | 118% | 110% | 102% | 104% |
| BE | 10.0 | 23.2 | 22.4 | 38.3 | 38.6 | 36.3 | 37.8 |
| BG | 133.5 | 50.8 | 52.1 | 59.4 | 53.0 | 54.2 | 50.3 |
| CZ | 175.9 | 139.2 | 139.2 | 148.6 | 137.3 | 119.7 | 121.3 |
| DK | 119.1 | 119.2 | 129.0 | 152.1 | 135.8 | 122.2 | 128.1 |
| DE | 416.6 | 315.9 | 494.0 | 515.2 | 488.3 | 438.3 | 457.6 |
| EE | 30.7 | 27.0 | 26.8 | 25.5 | 23.0 | 21.8 | 21.2 |
| IE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EL | 0.0 | 1.2 | 2.0 | 1.9 | 1.7 | 2.1 | 2.1 |
| ES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| FR | 23.0 | 135.5 | 178.3 | 160.9 | 138.0 | 122.6 | 135.9 |
| HR | 13.2 | 11.5 | 13.3 | 12.5 | 11.7 | 10.1 | 11.1 |
| IT | 0.0 | 0.0 | 193.1 | 205.3 | 216.4 | 206.0 | 216.9 |
| CY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| LV | 46.1 | 31.9 | 31.1 | 28.7 | 26.2 | 25.7 | 25.5 |
| LT | 66.9 | 48.2 | 49.9 | 48.8 | 43.6 | 43.3 | 41.5 |
| LU | 0.0 | 0.5 | 3.2 | 3.1 | 3.3 | 2.5 | 2.3 |
| HU | 61.3 | 69.2 | 63.6 | 53.0 | 49.0 | 48.0 | 52.0 |
| MT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NL | 130.1 | 172.4 | 178.5 | 159.9 | 150.1 | 147.2 | 139.3 |
| AT | 39.2 | 47.9 | 58.9 | 83.9 | 88.4 | 79.9 | 83.9 |
| PL | 420.8 | 340.7 | 336.3 | 335.8 | 302.3 | 276.9 | 281.4 |
| PT | 1.5 | 5.6 | 13.7 | 21.1 | 25.6 | 21.4 | 19.6 |
| RO | 287.0 | 190.8 | 127.7 | 99.1 | 84.8 | 78.0 | 76.6 |
| SI | 8.9 | 9.4 | 10.1 | 9.8 | 9.4 | 8.2 | 8.7 |
| SK | 42.1 | 36.8 | 52.5 | 48.6 | 42.5 | 34.8 | 36.7 |
| FI | 97.7 | 150.6 | 179.3 | 211.0 | 188.4 | 185.0 | 177.6 |
| SE | 163.1 | 157.9 | 181.1 | 224.2 | 190.1 | 179.9 | 183.5 |
| UK | 0.0 | 102.1 | 57.2 | 57.0 | 56.4 | 60.5 | 59.6 |

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

Source: Eurostat, May 2017

Methodology and Notes: [See Appendix 13 – No 2](#)

2.9.1 Gross Heat Generation

BY FUEL

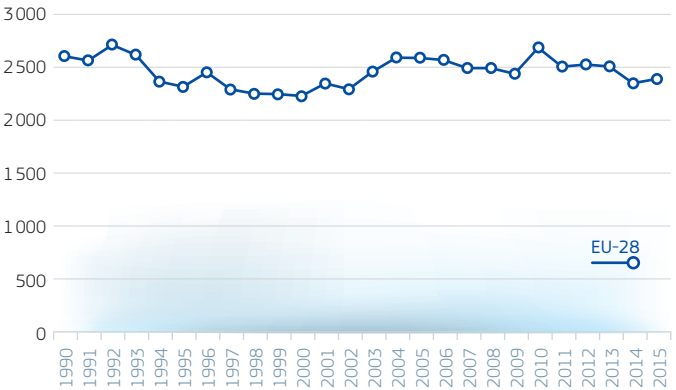
| | 2015 | | | | | | |
|-----------------|-----------------------|-------|-------------|------------|------------------------|----------------|---------|
| | Gross Heat Generation | Gases | Solid Fuels | Renewables | Petroleum and Products | Wastes non-RES | Nuclear |
| PJ (GCV) | | | | | | | |
| EU-28 | 2 370.4 | 914.5 | 624.6 | 543.3 | 104.3 | 112.8 | 4.3 |
| Share (%) | 100.0% | 38.6% | 26.3% | 22.9% | 4.4% | 4.8% | 0.2% |
| BE | 37.8 | 23.6 | 0.0 | 2.0 | 0.5 | 1.6 | 0.0 |
| BG | 50.3 | 23.1 | 19.2 | 0.5 | 5.3 | 0.0 | 0.6 |
| CZ | 121.3 | 37.2 | 70.2 | 8.6 | 1.1 | 1.4 | 0.9 |
| DK | 128.1 | 23.6 | 26.0 | 61.3 | 1.4 | 12.3 | 0.0 |
| DE | 457.6 | 190.7 | 150.7 | 64.8 | 4.9 | 37.8 | 0.0 |
| EE | 21.2 | 7.3 | 3.2 | 9.1 | 0.6 | 1.0 | 0.0 |
| IE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EL | 2.1 | 0.0 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| ES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| FR | 135.9 | 58.2 | 7.6 | 47.7 | 9.4 | 12.4 | 0.0 |
| HR | 11.1 | 9.2 | 0.0 | 0.8 | 1.1 | 0.0 | 0.0 |
| IT | 216.9 | 139.7 | 1.9 | 37.9 | 32.7 | 4.7 | 0.0 |
| CY | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| LV | 25.5 | 16.0 | 0.1 | 9.3 | 0.0 | 0.0 | 0.0 |
| LT | 41.5 | 11.5 | 0.1 | 19.2 | 0.5 | 0.5 | 0.0 |
| LU | 2.3 | 1.7 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| HU | 52.0 | 40.3 | 1.4 | 6.8 | 0.3 | 0.8 | 0.8 |
| MT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NL | 139.3 | 91.7 | 7.9 | 13.1 | 17.1 | 9.6 | 0.0 |
| AT | 83.9 | 31.7 | 3.5 | 37.8 | 4.8 | 6.1 | 0.0 |
| PL | 281.4 | 34.2 | 228.9 | 12.9 | 3.4 | 0.7 | 0.0 |
| PT | 19.6 | 19.1 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 |
| RO | 76.6 | 44.8 | 24.1 | 3.3 | 4.5 | 0.0 | 0.0 |
| SI | 8.7 | 2.0 | 4.9 | 1.5 | 0.1 | 0.1 | 0.0 |
| SK | 36.7 | 17.8 | 6.7 | 5.6 | 4.6 | 0.0 | 2.0 |
| FI | 177.6 | 27.9 | 54.3 | 74.1 | 7.4 | 5.0 | 0.0 |
| SE | 183.5 | 10.2 | 8.5 | 125.6 | 2.6 | 18.2 | 0.0 |
| UK | 59.6 | 53.2 | 3.3 | 0.8 | 1.6 | 0.7 | 0.0 |

Source: Eurostat, May 2017

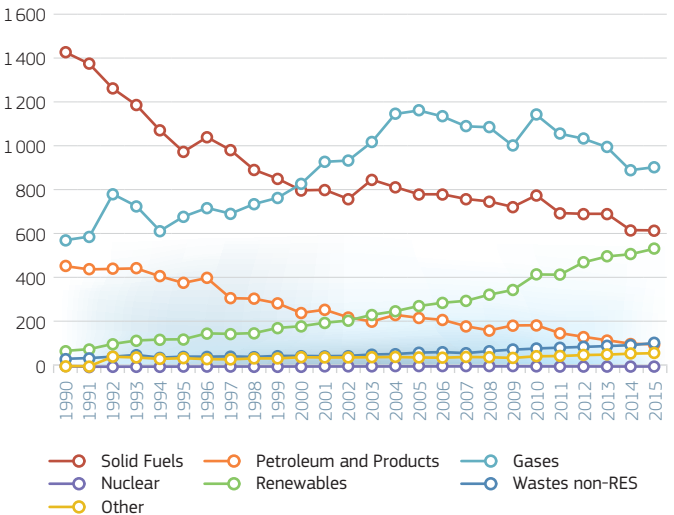
Methodology and Notes: See Appendix 13 – No 2

2.9.1 Gross Heat Generation

TOTAL – EU-28 – 1990-2015 (PJ – GCV)



GROSS HEAT GENERATION – BY FUEL – 1990-2015 (PJ – GCV)



Source: Eurostat, May 2017
 Methodology and Notes: See Appendix 13 – No 2

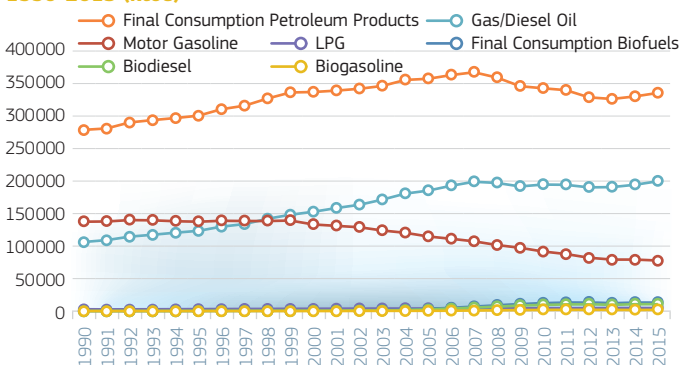
2.10 Transport

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 | 278520 | 106291 | 138227 | 2707 | 5.7 | 5.7 | 0.0 |
| 1991 | 280700 | 108995 | 138709 | 2629 | 6.4 | 6.4 | 0.0 |
| 1992 | 290092 | 114516 | 140943 | 2488 | 21.9 | 15.0 | 5.1 |
| 1993 | 293578 | 117452 | 140419 | 2616 | 51.8 | 24.8 | 24.3 |
| 1994 | 296714 | 120485 | 138994 | 2792 | 138.8 | 111.1 | 25.0 |
| 1995 | 300387 | 123436 | 138159 | 3046 | 216.2 | 187.4 | 24.3 |
| 1996 | 310455 | 130056 | 139720 | 3182 | 317.2 | 273.7 | 39.0 |
| 1997 | 316052 | 133918 | 139232 | 3470 | 432.3 | 368.3 | 55.0 |
| 1998 | 327291 | 142150 | 139526 | 3552 | 408.3 | 335.0 | 63.4 |
| 1999 | 336595 | 148388 | 140127 | 3531 | 455.3 | 383.2 | 59.5 |
| 2000 | 337134 | 153117 | 134043 | 3653 | 709.0 | 636.4 | 58.2 |
| 2001 | 339505 | 158754 | 131701 | 3872 | 835.6 | 752.3 | 65.3 |
| 2002 | 342372 | 163945 | 129676 | 4132 | 1109.3 | 929.6 | 158.1 |
| 2003 | 346769 | 171738 | 124667 | 4292 | 1420.3 | 1168.5 | 240.8 |
| 2004 | 355999 | 181161 | 120828 | 4632 | 1927.0 | 1603.4 | 304.4 |
| 2005 | 357872 | 186031 | 115318 | 4775 | 3198.0 | 2469.9 | 573.4 |
| 2006 | 363630 | 193613 | 111416 | 4937 | 5365.0 | 3898.2 | 876.3 |
| 2007 | 367825 | 199700 | 107600 | 4898 | 7592.8 | 5807.3 | 1162.6 |
| 2008 | 359781 | 197894 | 101750 | 5050 | 9753.5 | 7693.2 | 1800.4 |
| 2009 | 346185 | 192289 | 97502 | 5267 | 11553.8 | 9258.3 | 2238.6 |
| 2010 | 343116 | 195221 | 91755 | 5312 | 13104.6 | 10261.7 | 2804.6 |
| 2011 | 340230 | 194911 | 87891 | 5510 | 13608.2 | 10731.5 | 2864.3 |
| 2012 | 329030 | 191104 | 81987 | 5478 | 14307.2 | 11473.5 | 2822.0 |
| 2013 | 326363 | 191310 | 79207 | 5787 | 13007.7 | 10328.3 | 2674.7 |
| 2014 | 330254 | 195017 | 78975 | 5839 | 14062.6 | 11397.3 | 2656.9 |
| 2015 | 335867 | 200266 | 77449 | 5890 | 14030.0 | 11345.3 | 2680.2 |

EU-28 – FUELS CONSUMPTION IN THE TRANSPORT SECTOR – 1990-2015 (ktoe)



Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

2.10.2 Biofuels

BY FUEL – EU-28

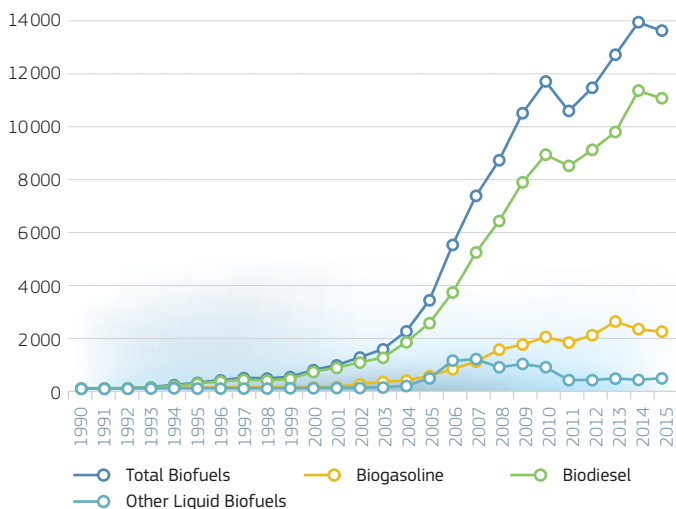
| | Production | | | Share in Transport Fuels | | |
|------|----------------|-----------|-------------|--------------------------|----------------------------------|--------------------------------|
| | Total Biofuels | Biodiesel | Biogasoline | Total Biofuels | of Biogasoline in Motor Gasoline | of 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 | 1 186 | 997 | 159 | 0.3% | 0.1% | 0.6% |
| 2003 | 1 496 | 1 183 | 263 | 0.4% | 0.2% | 0.7% |
| 2004 | 2 191 | 1 772 | 311 | 0.5% | 0.3% | 0.9% |
| 2005 | 3 373 | 2 499 | 480 | 0.9% | 0.5% | 1.3% |
| 2006 | 5 486 | 3 674 | 741 | 1.5% | 0.8% | 2.0% |
| 2007 | 7 362 | 5 199 | 1 036 | 2.1% | 1.1% | 2.8% |
| 2008 | 8 716 | 6 401 | 1 492 | 2.7% | 1.7% | 3.7% |
| 2009 | 10 510 | 7 876 | 1 688 | 3.3% | 2.2% | 4.6% |
| 2010 | 11 725 | 8 931 | 1 972 | 3.8% | 3.0% | 5.0% |
| 2011 | 10 593 | 8 504 | 1 763 | 4.0% | 3.2% | 5.2% |
| 2012 | 11 482 | 9 111 | 2 046 | 4.3% | 3.3% | 5.7% |
| 2013 | 12 743 | 9 793 | 2 564 | 4.0% | 3.3% | 5.1% |
| 2014 | 13 982 | 11 370 | 2 274 | 4.3% | 3.3% | 5.5% |
| 2015 | 13 660 | 11 085 | 2 177 | 4.2% | 3.3% | 5.4% |

Source: Eurostat, May 2017

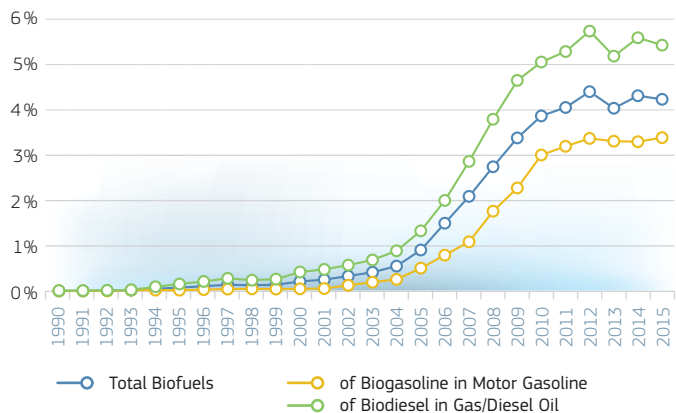
Methodology and Notes: See Appendix 13 – No 2

2.10.2 Biofuels

PRODUCTION BIOFUELS – EU-28 – 1990-2015 (ktoe)



BIOFUELS SHARE IN TRANSPORT FUELS – EU-28 – 1990-2015 (%)



Source: Eurostat, May 2017

Methodology and Notes: See Appendix 13 – No 2

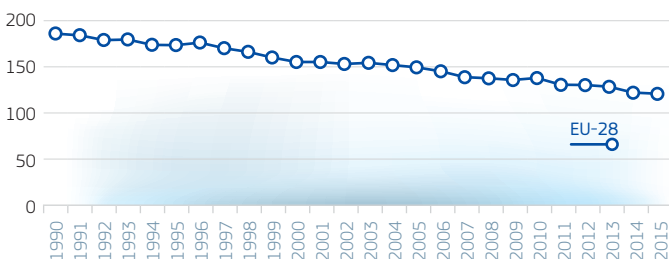
2.11 Energy Efficiency

2.11.1 Energy Intensity

ALL FUELS

| toe/M€ '2010 | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--------------|-------|------|------|------|------|------|
| EU-28 | 174 | 155 | 149 | 138 | 122 | 120 |
| Index 1995 | 100 % | 89 % | 86 % | 79 % | 70 % | 69 % |
| BE | 199 | 190 | 173 | 167 | 142 | 141 |
| BG | 947 | 759 | 614 | 465 | 445 | 448 |
| CZ | 401 | 362 | 328 | 291 | 261 | 251 |
| DK | 104 | 88 | 81 | 82 | 66 | 65 |
| DE | 159 | 145 | 141 | 129 | 114 | 113 |
| EE | 696 | 466 | 374 | 418 | 388 | 358 |
| IE | 141 | 116 | 93 | 91 | 75 | 62 |
| EL | 150 | 149 | 137 | 127 | 132 | 133 |
| ES | 144 | 142 | 141 | 121 | 113 | 114 |
| FR | 158 | 145 | 144 | 134 | 120 | 120 |
| HR | 263 | 239 | 223 | 209 | 190 | 194 |
| IT | 115 | 112 | 117 | 111 | 98 | 100 |
| CY | 166 | 169 | 149 | 142 | 128 | 129 |
| LV | 484 | 315 | 252 | 260 | 216 | 207 |
| LT | 592 | 386 | 330 | 242 | 202 | 205 |
| LU | 144 | 119 | 135 | 116 | 94 | 89 |
| HU | 377 | 314 | 278 | 271 | 228 | 234 |
| MT | 175 | 149 | 163 | 142 | 114 | 91 |
| NL | 168 | 141 | 142 | 136 | 119 | 118 |
| AT | 124 | 114 | 124 | 116 | 106 | 107 |
| PL | 519 | 360 | 322 | 278 | 233 | 227 |
| PT | 151 | 151 | 157 | 135 | 131 | 134 |
| RO | 551 | 442 | 357 | 282 | 234 | 227 |
| SI | 268 | 231 | 220 | 202 | 184 | 178 |
| SK | 503 | 437 | 355 | 264 | 220 | 215 |
| FI | 238 | 205 | 192 | 198 | 186 | 177 |
| SE | 205 | 163 | 149 | 138 | 123 | 111 |
| UK | 166 | 147 | 130 | 116 | 96 | 94 |

ENERGY INTENSITY – ALL FUELS – 1990-2015 (toe/M€ '2010)

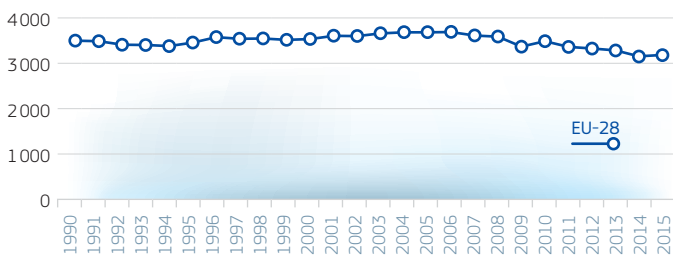


Source: Eurostat, DG Economic and Financial Affairs, June 2017
Methodology and Notes: See Appendix 13 – No 2

2.11.2 Energy Consumption per Capita

GROSS INLAND CONSUMPTION – ALL FUELS

| kgoe/cap | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|------------|------|------|-------|------|------|------|
| EU-28 | 3476 | 3551 | 3702 | 3506 | 3171 | 3201 |
| Index 1995 | 100% | 102% | 106% | 101% | 91% | 92% |
| BE | 5314 | 5792 | 5654 | 5618 | 4789 | 4825 |
| BG | 2692 | 2261 | 2569 | 2395 | 2449 | 2570 |
| CZ | 4059 | 4025 | 4454 | 4342 | 4018 | 4027 |
| DK | 3873 | 3703 | 3614 | 3621 | 2986 | 2962 |
| DE | 4190 | 4166 | 4145 | 4065 | 3878 | 3870 |
| EE | 3815 | 3549 | 4132 | 4613 | 5074 | 4757 |
| IE | 3076 | 3819 | 3713 | 3334 | 2945 | 3063 |
| EL | 2265 | 2626 | 2863 | 2583 | 2230 | 2252 |
| ES | 2575 | 3055 | 3331 | 2802 | 2509 | 2614 |
| FR | 4076 | 4254 | 4403 | 4128 | 3768 | 3799 |
| HR | 1686 | 1872 | 2269 | 2191 | 1930 | 2018 |
| IT | 2846 | 3061 | 3284 | 3006 | 2485 | 2569 |
| CY | 3045 | 3495 | 3464 | 3345 | 2598 | 2682 |
| LV | 1849 | 1622 | 2041 | 2183 | 2224 | 2205 |
| LT | 2371 | 2011 | 2596 | 2160 | 2275 | 2366 |
| LU | 8194 | 8427 | 10407 | 9244 | 7681 | 7420 |
| HU | 2533 | 2475 | 2735 | 2656 | 2411 | 2557 |
| MT | 2006 | 2060 | 2414 | 2268 | 2083 | 1761 |
| NL | 4896 | 4918 | 5158 | 5175 | 4537 | 4589 |
| AT | 3413 | 3627 | 4161 | 4106 | 3817 | 3877 |
| PL | 2562 | 2317 | 2416 | 2648 | 2481 | 2511 |
| PT | 2062 | 2467 | 2618 | 2297 | 2118 | 2217 |
| RO | 2039 | 1632 | 1834 | 1764 | 1612 | 1631 |
| SI | 3052 | 3245 | 3667 | 3584 | 3228 | 3189 |
| SK | 3308 | 3390 | 3542 | 3312 | 2988 | 3030 |
| FI | 5759 | 6267 | 6589 | 6934 | 6378 | 6059 |
| SE | 5838 | 5518 | 5659 | 5437 | 4998 | 4665 |
| UK | 3836 | 3922 | 3891 | 3407 | 2948 | 2940 |

ENERGY CONSUMPTION PER CAPITA – ALL FUELS –
1990-2015 (kgoe/cap)

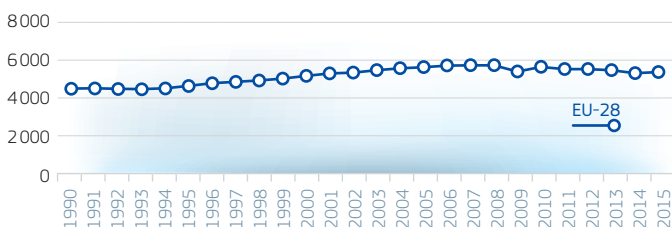
Source: Eurostat, June 2017

Methodology and Notes: See Appendix 13 – No 2

2.11.3 Final Electricity Consumption per Capita

ALL FUELS

| kWh/cap | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|------------|-------|-------|-------|-------|-------|-------|
| EU-28 | 4685 | 5189 | 5630 | 5642 | 5331 | 5390 |
| Index 1995 | 100 % | 111 % | 120 % | 120 % | 114 % | 115 % |
| BE | 6757 | 7573 | 7678 | 7686 | 7258 | 7272 |
| BG | 3404 | 2961 | 3345 | 3652 | 3819 | 3933 |
| CZ | 4653 | 4804 | 5421 | 5183 | 5082 | 5169 |
| DK | 5922 | 6089 | 6184 | 5792 | 5425 | 5424 |
| DE | 5534 | 5884 | 6330 | 6509 | 6350 | 6339 |
| EE | 3146 | 3579 | 4445 | 5181 | 5248 | 5211 |
| IE | 4128 | 5371 | 5923 | 5588 | 5241 | 5416 |
| EL | 3235 | 4005 | 4640 | 4777 | 4530 | 4677 |
| ES | 3555 | 4657 | 5595 | 5266 | 4878 | 4995 |
| FR | 5780 | 6357 | 6735 | 6868 | 6291 | 6391 |
| HR | 2129 | 2631 | 3344 | 3686 | 3493 | 3631 |
| IT | 4192 | 4795 | 5199 | 5057 | 4631 | 4729 |
| CY | 3444 | 4339 | 5402 | 5960 | 4621 | 4830 |
| LV | 1786 | 1880 | 2547 | 2931 | 3289 | 3253 |
| LT | 1744 | 1764 | 2377 | 2652 | 3138 | 3198 |
| LU | 12316 | 13319 | 13334 | 13132 | 11247 | 11051 |
| HU | 2684 | 2880 | 3203 | 3416 | 3517 | 3672 |
| MT | 3345 | 4031 | 4614 | 4406 | 4713 | 4924 |
| NL | 5245 | 6020 | 6419 | 6516 | 6039 | 6101 |
| AT | 5881 | 6441 | 7001 | 7222 | 7133 | 7091 |
| PL | 2325 | 2563 | 2751 | 3122 | 3297 | 3363 |
| PT | 2878 | 3744 | 4414 | 4718 | 4334 | 4416 |
| RO | 1601 | 1511 | 1817 | 2036 | 2101 | 2166 |
| SI | 4696 | 5293 | 6379 | 5835 | 6045 | 6199 |
| SK | 4057 | 4077 | 4253 | 4477 | 4460 | 4495 |
| FI | 12791 | 14636 | 15420 | 15603 | 14518 | 14340 |
| SE | 14129 | 14526 | 14504 | 14048 | 12669 | 12810 |
| UK | 5086 | 5611 | 5797 | 5262 | 4709 | 4668 |

FINAL ELECTRICITY CONSUMPTION PER CAPITA – ALL FUELS –
1990-2015 (kWh/cap)

Source: Eurostat, June 2017

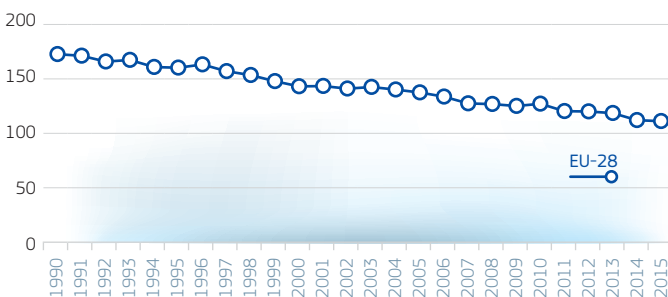
Methodology and Notes: See Appendix 13 – No 2

2.11.4 Primary Energy Intensity

ALL FUELS

| toe/M€ '2010 | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--------------|------|------|------|------|------|------|
| EU-28 | 162 | 145 | 140 | 129 | 114 | 113 |
| Index 1995 | 100% | 89% | 86% | 80% | 70% | 70% |
| BE | 177 | 168 | 151 | 147 | 119 | 119 |
| BG | 896 | 719 | 588 | 454 | 433 | 434 |
| CZ | 378 | 343 | 306 | 272 | 243 | 236 |
| DK | 102 | 86 | 80 | 81 | 65 | 64 |
| DE | 148 | 135 | 131 | 120 | 106 | 105 |
| EE | 674 | 450 | 359 | 412 | 381 | 352 |
| IE | 134 | 110 | 90 | 89 | 74 | 61 |
| EL | 147 | 145 | 133 | 122 | 128 | 129 |
| ES | 133 | 132 | 133 | 114 | 109 | 110 |
| FR | 147 | 136 | 135 | 127 | 113 | 114 |
| HR | 236 | 220 | 207 | 196 | 177 | 182 |
| IT | 108 | 107 | 111 | 105 | 93 | 96 |
| CY | 161 | 163 | 145 | 138 | 127 | 127 |
| LV | 480 | 309 | 247 | 256 | 211 | 201 |
| LT | 555 | 349 | 302 | 219 | 172 | 172 |
| LU | 142 | 117 | 134 | 115 | 93 | 88 |
| HU | 353 | 295 | 256 | 250 | 210 | 216 |
| MT | 175 | 149 | 159 | 141 | 114 | 90 |
| NL | 144 | 119 | 116 | 112 | 97 | 99 |
| AT | 118 | 108 | 117 | 110 | 99 | 101 |
| PL | 499 | 342 | 306 | 265 | 221 | 214 |
| PT | 136 | 137 | 143 | 125 | 122 | 126 |
| RO | 536 | 419 | 335 | 271 | 223 | 219 |
| SI | 263 | 223 | 211 | 197 | 180 | 174 |
| SK | 477 | 404 | 331 | 249 | 207 | 201 |
| FI | 229 | 198 | 186 | 192 | 180 | 171 |
| SE | 197 | 157 | 143 | 132 | 118 | 107 |
| UK | 157 | 140 | 124 | 112 | 92 | 90 |

PRIMARY ENERGY INTENSITY – ALL FUELS – 1990-2015 (toe/M€ '2010)



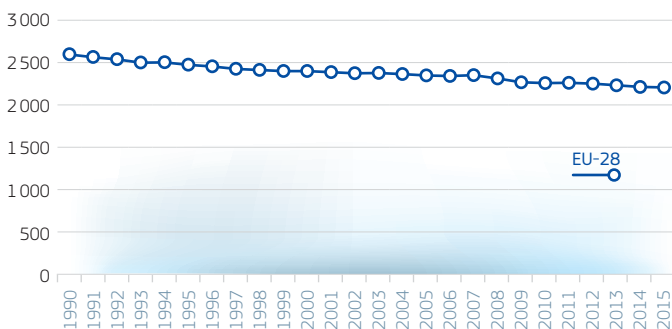
Source: Eurostat, DG Economic and Financial Affairs, June 2017

Methodology and Notes: See Appendix 13 – No 2

2.11.5 Carbon Intensity

ALL FUELS

| kg CO ₂ /toe | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|-------------------------|-------|-------|-------|-------|-------|-------|
| EU-28 | 2 508 | 2 415 | 2 353 | 2 241 | 2 186 | 2 181 |
| Index 1995 | 100 % | 96 % | 94 % | 89 % | 87 % | 87 % |
| BE | 2 230 | 2 030 | 1 933 | 1 716 | 1 707 | 1 739 |
| BG | 2 545 | 2 442 | 2 574 | 2 701 | 2 564 | 2 625 |
| CZ | 3 148 | 3 083 | 2 787 | 2 599 | 2 473 | 2 485 |
| DK | 2 965 | 2 735 | 2 696 | 2 514 | 2 312 | 2 178 |
| DE | 2 773 | 2 666 | 2 580 | 2 555 | 2 596 | 2 579 |
| EE | 3 252 | 3 038 | 3 013 | 3 004 | 2 720 | 2 439 |
| IE | 3 304 | 3 224 | 3 287 | 2 881 | 2 839 | 2 854 |
| EL | 3 267 | 3 311 | 3 402 | 3 180 | 3 106 | 2 967 |
| ES | 2 609 | 2 485 | 2 515 | 2 143 | 2 159 | 2 222 |
| FR | 1 674 | 1 648 | 1 577 | 1 501 | 1 391 | 1 392 |
| HR | 2 185 | 2 369 | 2 418 | 2 279 | 2 214 | 2 143 |
| IT | 2 760 | 2 696 | 2 602 | 2 401 | 2 329 | 2 321 |
| CY | 3 275 | 3 047 | 3 119 | 3 026 | 3 115 | 3 032 |
| LV | 1 940 | 1 854 | 1 648 | 1 825 | 1 603 | 1 637 |
| LT | 1 725 | 1 660 | 1 607 | 2 001 | 1 955 | 1 915 |
| LU | 2 919 | 2 642 | 2 785 | 2 693 | 2 615 | 2 563 |
| HU | 2 374 | 2 342 | 2 220 | 1 990 | 1 871 | 1 878 |
| MT | 3 367 | 1 915 | 1 823 | 1 232 | 1 342 | 919 |
| NL | 2 096 | 2 001 | 1 895 | 1 943 | 1 900 | 1 966 |
| AT | 2 415 | 2 342 | 2 381 | 2 174 | 2 037 | 2 070 |
| PL | 3 658 | 3 574 | 3 485 | 3 306 | 3 274 | 3 268 |
| PT | 2 669 | 2 617 | 2 552 | 2 240 | 2 244 | 2 341 |
| RO | 2 723 | 2 548 | 2 550 | 2 311 | 2 414 | 2 446 |
| SI | 2 520 | 2 403 | 2 313 | 2 234 | 2 025 | 2 059 |
| SK | 2 530 | 2 257 | 2 254 | 2 166 | 2 074 | 2 068 |
| FI | 1 992 | 1 759 | 1 669 | 1 761 | 1 426 | 1 387 |
| SE | 1 157 | 1 128 | 1 056 | 1 046 | 912 | 962 |
| UK | 2 568 | 2 526 | 2 521 | 2 486 | 2 406 | 2 310 |

CARBON INTENSITY – ALL FUELS – 1990-2015 (kg CO₂/toe)

Sources: EEA/UNFCCC, Eurostat – June 2017

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 | 2014 | 2015 | 2005 | 2010 | 2014 | 2015 |
| EU-28 | 9.0 | 12.9 | 16.1 | 16.7 | 10.9 | 14.9 | 18.1 | 18.6 |
| BE | 2.3 | 5.7 | 8.0 | 7.9 | 3.4 | 6.1 | 7.7 | 7.6 |
| BG | 9.4 | 14.1 | 18.0 | 18.2 | 14.3 | 24.4 | 28.3 | 28.6 |
| CZ | 7.1 | 10.5 | 15.1 | 15.1 | 10.9 | 14.1 | 19.6 | 19.8 |
| DK | 16.0 | 22.1 | 29.3 | 30.8 | 22.8 | 31.0 | 37.9 | 39.6 |
| DE | 6.7 | 10.5 | 13.8 | 14.6 | 6.8 | 9.8 | 12.2 | 12.9 |
| EE | 17.5 | 24.6 | 26.3 | 28.6 | 32.2 | 43.3 | 45.2 | 49.6 |
| IE | 2.9 | 5.6 | 8.7 | 9.2 | 3.5 | 4.5 | 6.6 | 6.4 |
| EL | 7.0 | 9.8 | 15.3 | 15.4 | 12.8 | 17.9 | 26.9 | 25.9 |
| ES | 8.4 | 13.8 | 16.1 | 16.2 | 9.4 | 12.6 | 15.7 | 16.8 |
| FR | 9.5 | 12.5 | 14.7 | 15.2 | 12.2 | 15.8 | 18.8 | 19.8 |
| HR | 23.8 | 25.1 | 27.9 | 29.0 | 30.0 | 32.8 | 36.2 | 38.6 |
| IT | 7.5 | 13.0 | 17.1 | 17.5 | 8.2 | 15.6 | 18.9 | 19.2 |
| CY | 3.1 | 6.0 | 8.9 | 9.4 | 10.0 | 18.2 | 21.6 | 22.5 |
| LV | 32.3 | 30.4 | 38.7 | 37.6 | 42.7 | 40.7 | 52.2 | 51.8 |
| LT | 16.8 | 19.6 | 23.6 | 25.8 | 29.3 | 32.5 | 40.6 | 46.1 |
| LU | 1.4 | 2.9 | 4.5 | 5.0 | 3.6 | 4.7 | 7.2 | 6.9 |
| HU | 4.5 | 12.8 | 14.6 | 14.5 | 6.0 | 18.1 | 21.2 | 21.3 |
| MT | 0.2 | 1.0 | 4.7 | 5.0 | 2.2 | 7.8 | 14.5 | 14.1 |
| NL | 2.5 | 3.9 | 5.5 | 5.8 | 2.4 | 3.1 | 5.2 | 5.5 |
| AT | 23.9 | 30.4 | 32.8 | 33.0 | 22.3 | 29.5 | 32.0 | 32.0 |
| PL | 6.9 | 9.3 | 11.5 | 11.8 | 10.2 | 11.7 | 14.0 | 14.3 |
| PT | 19.5 | 24.2 | 27.0 | 28.0 | 32.1 | 33.9 | 34.0 | 33.4 |
| RO | 17.3 | 23.4 | 24.8 | 24.8 | 18.0 | 27.2 | 26.7 | 25.9 |
| SI | 16.0 | 20.4 | 21.5 | 22.0 | 18.9 | 28.1 | 32.4 | 34.1 |
| SK | 6.4 | 9.1 | 11.7 | 12.9 | 5.0 | 7.9 | 8.9 | 10.8 |
| FI | 28.8 | 32.4 | 38.7 | 39.3 | 39.1 | 44.2 | 51.9 | 52.8 |
| SE | 40.6 | 47.2 | 52.5 | 53.9 | 51.9 | 60.9 | 68.0 | 68.6 |
| UK | 1.3 | 3.7 | 7.1 | 8.2 | 0.8 | 2.7 | 4.7 | 5.5 |

* Of the Gross Final Energy.

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

Source: Eurostat, April 2017

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 | 2014 | 2015 | 2005 | 2010 | 2014 | 2015 |
| EU-28 | 14.8 | 19.7 | 27.5 | 28.8 | 1.8 | 5.2 | 6.5 | 6.7 |
| BE | 2.4 | 7.1 | 13.4 | 15.4 | 0.6 | 4.7 | 5.7 | 3.8 |
| BG | 9.3 | 12.7 | 18.9 | 19.1 | 0.8 | 1.4 | 5.8 | 6.5 |
| CZ | 3.7 | 7.5 | 13.9 | 14.1 | 0.9 | 5.1 | 6.9 | 6.5 |
| DK | 24.6 | 32.7 | 48.5 | 51.3 | 0.4 | 1.1 | 6.7 | 6.7 |
| DE | 10.5 | 18.1 | 28.2 | 30.7 | 4.0 | 6.4 | 7.3 | 6.8 |
| EE | 1.1 | 10.4 | 14.1 | 15.1 | 0.2 | 0.4 | 0.4 | 0.4 |
| IE | 7.2 | 14.6 | 22.9 | 25.2 | 0.1 | 2.4 | 5.8 | 6.5 |
| EL | 8.2 | 12.3 | 21.9 | 22.1 | 0.1 | 1.9 | 1.3 | 1.4 |
| ES | 19.1 | 29.8 | 37.8 | 36.9 | 1.3 | 5.0 | 0.8 | 1.7 |
| FR | 13.7 | 14.8 | 18.3 | 18.8 | 2.1 | 6.5 | 8.4 | 8.5 |
| HR | 35.6 | 37.6 | 45.3 | 45.4 | 1.0 | 1.1 | 4.1 | 3.5 |
| IT | 16.3 | 20.1 | 33.4 | 33.5 | 1.0 | 4.8 | 5.0 | 6.4 |
| CY | 0.0 | 1.4 | 7.4 | 8.4 | 0.0 | 2.0 | 2.7 | 2.5 |
| LV | 43.0 | 42.1 | 51.1 | 52.2 | 2.4 | 4.0 | 4.1 | 3.9 |
| LT | 3.8 | 7.4 | 13.7 | 15.5 | 0.6 | 3.8 | 4.3 | 4.6 |
| LU | 3.2 | 3.8 | 5.9 | 6.2 | 0.1 | 2.1 | 5.4 | 6.5 |
| HU | 4.4 | 7.1 | 7.3 | 7.3 | 0.9 | 6.0 | 6.9 | 6.2 |
| MT | 0.0 | 0.0 | 3.3 | 4.2 | 0.0 | 0.0 | 4.6 | 4.7 |
| NL | 6.3 | 9.6 | 10.0 | 11.1 | 0.5 | 2.6 | 6.2 | 5.3 |
| AT | 62.0 | 65.7 | 70.1 | 70.3 | 4.8 | 10.9 | 10.9 | 11.4 |
| PL | 2.7 | 6.6 | 12.4 | 13.4 | 1.6 | 6.6 | 6.2 | 6.4 |
| PT | 27.7 | 40.7 | 52.1 | 52.6 | 0.5 | 5.6 | 3.7 | 7.4 |
| RO | 26.9 | 30.4 | 41.7 | 43.2 | 1.6 | 3.8 | 4.7 | 5.5 |
| SI | 28.7 | 32.2 | 33.9 | 32.7 | 0.8 | 3.1 | 2.9 | 2.2 |
| SK | 15.7 | 17.8 | 22.9 | 22.7 | 1.6 | 5.3 | 7.6 | 8.5 |
| FI | 26.9 | 27.7 | 31.4 | 32.5 | 0.9 | 4.4 | 22.0 | 22.0 |
| SE | 50.9 | 56.0 | 63.2 | 65.8 | 6.2 | 9.2 | 21.1 | 24.0 |
| UK | 4.1 | 7.4 | 17.9 | 22.4 | 0.5 | 3.3 | 5.3 | 4.4 |

* Of the Gross Final Energy.

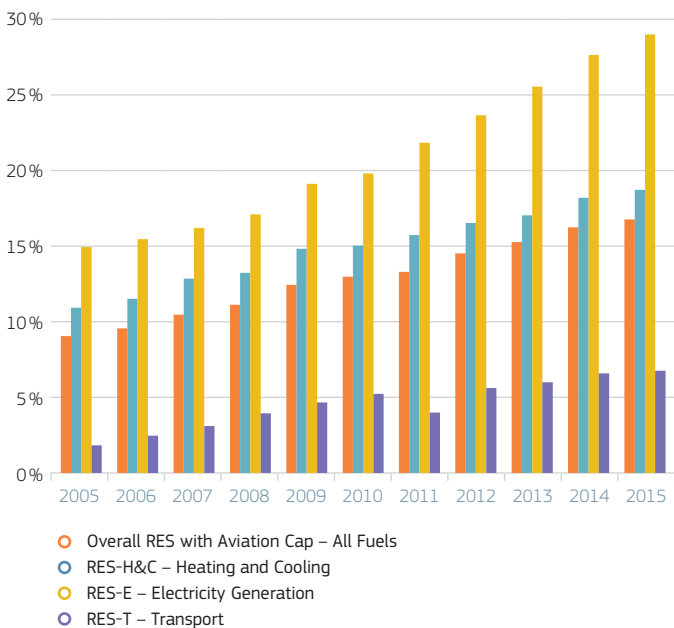
** Break in Series between 2010 and 2011 due to the Application of the Biofuels Compliance Rules.

Source: Eurostat, April 2017

Methodology and Notes: [See Appendix 13 – No 2](#)

2.12.1 RES Shares*

IN THE GROSS FINAL ENERGY CONSUMPTION – EU-28 (%)



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

Source: Eurostat, April 2017
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) | 2007 | 2010 | 2014 | 2015 | 2016 | 2017* |
|--------------------------|------|------|------|------|------|-------|
| BE | 1.03 | 1.14 | 1.35 | 1.16 | 1.10 | 1.25 |
| BG | | 0.98 | 1.30 | 1.13 | 0.95 | 1.03 |
| CZ | 1.03 | 1.21 | 1.32 | 1.15 | 1.01 | 1.12 |
| DK | 1.10 | 1.21 | 1.45 | 1.28 | 1.17 | 1.26 |
| DE | 1.16 | 1.20 | 1.36 | 1.18 | 1.08 | 1.17 |
| EE | 0.87 | 1.10 | 1.27 | 1.08 | 1.03 | 1.17 |
| IE | 1.08 | 1.22 | 1.46 | 1.26 | 1.15 | 1.26 |
| EL | 0.98 | 1.24 | 1.35 | 1.18 | 1.07 | 1.27 |
| ES | 0.97 | 1.07 | 1.31 | 1.12 | 1.01 | 1.11 |
| FR | 1.09 | 1.14 | 1.29 | 1.15 | 1.10 | 1.23 |
| HR | | | | 1.16 | 1.07 | 1.18 |
| IT | 1.16 | 1.21 | 1.61 | 1.41 | 1.28 | 1.39 |
| CY | 0.91 | 1.00 | 1.42 | 1.23 | 1.13 | 1.21 |
| LV | 0.90 | 1.06 | 1.26 | 1.06 | 0.95 | 1.06 |
| LT | 0.88 | 1.02 | 1.27 | 1.07 | 0.95 | 1.04 |
| LU | 0.93 | 0.99 | 1.17 | 1.02 | 0.92 | 0.99 |
| HU | 1.05 | 1.16 | 1.35 | 1.16 | 1.06 | 1.17 |
| MT | 0.95 | 1.04 | 1.36 | 1.27 | 1.17 | 1.18 |
| NL | 1.10 | 1.15 | 1.41 | 1.24 | 1.13 | 1.22 |
| AT | 1.03 | 1.10 | 1.30 | 1.12 | 1.03 | 1.11 |
| PL | 0.99 | 1.06 | 1.25 | 1.08 | 0.94 | 1.05 |
| PT | 1.08 | 1.15 | 1.31 | 1.19 | 1.13 | 1.24 |
| RO | | 1.03 | 1.37 | 1.20 | 1.07 | 1.03 |
| SI | 0.97 | 1.15 | 1.36 | 1.18 | 1.07 | 1.17 |
| SK | 1.11 | 1.11 | 1.34 | 1.14 | 1.03 | 1.14 |
| FI | 1.02 | 1.13 | 1.49 | 1.31 | 1.20 | 1.32 |
| SE | 1.13 | 1.25 | 1.54 | 1.37 | 1.34 | 1.43 |
| UK | 1.42 | 1.39 | 1.66 | 1.59 | 1.35 | 1.40 |

* Weekly prices, average 02/01/17-26/06/17.

Sources: DG Energy, Member States, Weekly Oil Bulletin
Methodology and Notes: [See Appendix 13 – No 2](#)

2.13.1 Prices of Transport Fuels

EURO-SUPER 95 – ALL TAXES INCLUDED

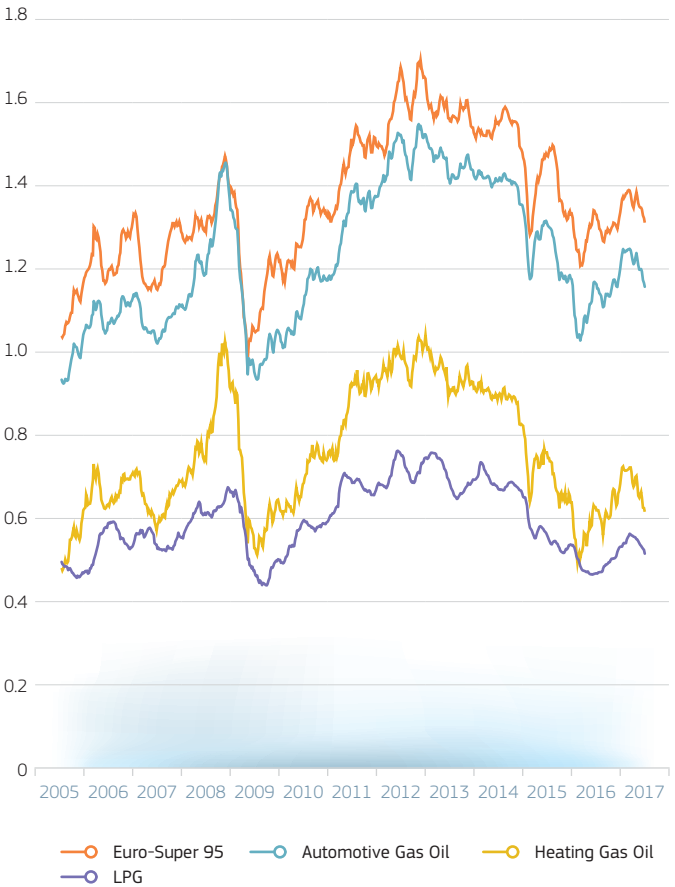
| Current Prices (€/litre) | 2007 | 2010 | 2014 | 2015 | 2016 | 2017* |
|--------------------------|------|------|------|------|------|-------|
| BE | 1.32 | 1.40 | 1.53 | 1.37 | 1.26 | 1.37 |
| BG | | 1.02 | 1.28 | 1.10 | 0.98 | 1.03 |
| CZ | 1.06 | 1.25 | 1.32 | 1.15 | 1.06 | 1.15 |
| DK | 1.30 | 1.44 | 1.65 | 1.50 | 1.41 | 1.50 |
| DE | 1.34 | 1.39 | 1.54 | 1.40 | 1.31 | 1.38 |
| EE | 0.88 | 1.11 | 1.28 | 1.11 | 1.06 | 1.18 |
| IE | 1.12 | 1.30 | 1.53 | 1.37 | 1.28 | 1.38 |
| EL | 1.01 | 1.43 | 1.65 | 1.48 | 1.39 | 1.52 |
| ES | 1.05 | 1.16 | 1.39 | 1.23 | 1.15 | 1.23 |
| FR | 1.27 | 1.34 | 1.49 | 1.36 | 1.30 | 1.39 |
| HR | | | | 1.26 | 1.18 | 1.28 |
| IT | 1.30 | 1.36 | 1.72 | 1.54 | 1.44 | 1.54 |
| CY | 0.95 | 1.04 | 1.41 | 1.23 | 1.15 | 1.22 |
| LV | 0.91 | 1.09 | 1.29 | 1.13 | 1.07 | 1.16 |
| LT | 0.90 | 1.18 | 1.32 | 1.16 | 1.06 | 1.14 |
| LU | 1.12 | 1.16 | 1.30 | 1.18 | 1.09 | 1.16 |
| HU | 1.10 | 1.22 | 1.33 | 1.16 | 1.07 | 1.16 |
| MT | 1.04 | 1.19 | 1.44 | 1.36 | 1.29 | 1.31 |
| NL | 1.46 | 1.49 | 1.70 | 1.56 | 1.48 | 1.56 |
| AT | 1.12 | 1.19 | 1.35 | 1.20 | 1.11 | 1.18 |
| PL | 1.11 | 1.13 | 1.26 | 1.11 | 1.00 | 1.09 |
| PT | 1.32 | 1.37 | 1.53 | 1.43 | 1.38 | 1.47 |
| RO | | 1.06 | 1.34 | 1.20 | 1.09 | 1.04 |
| SI | 1.03 | 1.20 | 1.45 | 1.29 | 1.19 | 1.28 |
| SK | 1.11 | 1.25 | 1.45 | 1.29 | 1.21 | 1.29 |
| FI | 1.30 | 1.43 | 1.61 | 1.47 | 1.38 | 1.48 |
| SE | 1.24 | 1.34 | 1.57 | 1.41 | 1.38 | 1.47 |
| UK | 1.38 | 1.36 | 1.59 | 1.54 | 1.33 | 1.37 |

* Weekly prices, average 02/01/17-26/06/17.

Sources: DG Energy, Member States, Weekly Oil Bulletin
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, weekly prices.

Uncomplete EU-28 series for the period 2005-2013 due to later accession to the EU of Bulgaria, Croatia and Romania.

Sources: DG Energy, Member States, weekly oil bulletin
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) | 2009 | 2010 | 2013 | 2014 | 2015 | 2016 |
|------------|-------|-------|-------|-------|-------|-------|
| EU-28 | 14.60 | 15.85 | 19.65 | 19.96 | 19.75 | 17.67 |
| BE | 14.33 | 16.78 | 18.55 | 18.06 | 17.24 | 14.83 |
| BG | 9.67 | 11.98 | 14.39 | 13.44 | 10.86 | 8.65 |
| CZ | 13.11 | 14.35 | 15.98 | 15.63 | 16.21 | 15.65 |
| DK | 23.64 | 26.81 | 27.14 | 24.38 | 21.22 | 20.59 |
| DE | 16.35 | 15.86 | 19.13 | 18.93 | 18.93 | 17.83 |
| EE | 10.07 | 11.14 | 13.21 | 13.71 | 10.68 | 9.10 |
| IE | 15.29 | 14.63 | 20.07 | 20.70 | 20.11 | 18.83 |
| EL | | | 24.66 | 22.16 | 20.83 | 18.12 |
| ES | 14.88 | 15.00 | 24.78 | 26.64 | 26.57 | 23.82 |
| FR | 16.20 | 15.98 | 20.24 | 21.16 | 20.35 | 18.79 |
| HR | 9.10 | 10.54 | 13.00 | 13.20 | 12.76 | 10.28 |
| IT | 14.84 | 21.86 | 26.29 | 26.41 | 25.13 | 23.29 |
| CY | | | | | | |
| LV | 10.52 | 11.28 | 13.99 | 13.56 | 13.47 | 11.29 |
| LT | 11.29 | 12.59 | 17.05 | 13.87 | 12.12 | 10.76 |
| LU | 12.82 | 13.13 | 15.71 | 14.27 | 13.40 | 11.62 |
| HU | 13.23 | 15.38 | 11.67 | 9.74 | 9.78 | 9.99 |
| MT | | | | | | |
| NL | 18.73 | 19.99 | 23.97 | 22.79 | 22.30 | 22.45 |
| AT | 17.23 | 16.71 | 20.96 | 20.28 | 19.75 | 18.71 |
| PL | 12.78 | 14.04 | 14.14 | 13.90 | 13.84 | 12.26 |
| PT | 16.52 | 17.49 | 25.93 | 28.87 | 27.28 | 22.96 |
| RO | 7.45 | 7.73 | 8.52 | 8.85 | 9.45 | 8.98 |
| SI | 14.96 | 18.68 | 19.71 | 17.61 | 16.91 | 15.64 |
| SK | 13.21 | 12.39 | 14.39 | 14.42 | 13.74 | 12.37 |
| FI | | | | | | |
| SE | 26.12 | 29.48 | 34.01 | 31.63 | 32.58 | 31.73 |
| UK | 11.84 | 11.72 | 16.33 | 17.94 | 18.56 | 13.93 |

* All Taxes and Levies Included.

** Prices from second semester each year.

Source: Eurostat, June 2017

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 | 2009 | 2010 | 2013 | 2014 | 2015 | 2016 |
|-----------|-------|-------|-------|-------|-------|-------|
| EU-28 | 16.38 | 17.31 | 20.24 | 20.75 | 21.03 | 20.54 |
| BE | 18.64 | 19.74 | 22.15 | 20.43 | 23.52 | 27.45 |
| BG | 8.18 | 8.30 | 8.82 | 8.95 | 9.57 | 9.38 |
| CZ | 15.33 | 15.49 | 16.45 | 13.79 | 14.08 | 14.21 |
| DK | 25.55 | 27.08 | 29.36 | 30.35 | 30.42 | 30.84 |
| DE | 22.94 | 24.38 | 29.21 | 29.74 | 29.46 | 29.77 |
| EE | 9.20 | 10.04 | 13.67 | 13.25 | 12.91 | 12.38 |
| IE | 18.55 | 18.75 | 24.05 | 25.36 | 24.54 | 23.38 |
| EL | 10.32 | 12.11 | 16.97 | 17.85 | 17.71 | 17.23 |
| ES | 16.84 | 18.51 | 22.73 | 23.67 | 23.70 | 22.84 |
| FR | 12.07 | 13.50 | 15.96 | 17.02 | 16.82 | 17.11 |
| HR | 11.64 | 11.53 | 13.50 | 13.24 | 13.12 | 13.31 |
| IT | 19.97 | 19.20 | 23.23 | 23.38 | 24.28 | 23.40 |
| CY | 16.42 | 20.21 | 24.81 | 23.56 | 18.38 | 16.21 |
| LV | 10.54 | 10.48 | 13.58 | 13.01 | 16.50 | 16.24 |
| LT | 9.26 | 12.16 | 13.91 | 13.19 | 12.43 | 11.71 |
| LU | 18.82 | 17.47 | 16.46 | 17.38 | 17.67 | 16.98 |
| HU | 16.62 | 15.74 | 13.26 | 11.46 | 11.45 | 11.25 |
| MT | 15.13 | 16.53 | 16.89 | 12.48 | 12.69 | 12.74 |
| NL | 19.06 | 17.89 | 19.05 | 18.01 | 18.46 | 15.92 |
| AT | 19.09 | 19.30 | 20.18 | 19.87 | 19.83 | 20.10 |
| PL | 12.91 | 13.82 | 14.37 | 14.08 | 14.18 | 13.52 |
| PT | 15.94 | 16.66 | 21.31 | 22.31 | 22.85 | 23.64 |
| RO | 9.79 | 10.52 | 12.79 | 12.48 | 13.19 | 12.33 |
| SI | 13.41 | 14.26 | 16.57 | 16.32 | 16.31 | 16.29 |
| SK | 15.60 | 16.37 | 16.78 | 15.23 | 15.17 | 15.37 |
| FI | 12.89 | 13.70 | 15.59 | 15.38 | 15.30 | 15.45 |
| SE | 16.46 | 19.58 | 20.46 | 18.67 | 18.74 | 19.62 |
| UK | 14.07 | 14.49 | 17.97 | 20.13 | 21.83 | 18.31 |

* All Taxes and Levies Included.

** Prices from second semester each year.

Source: Eurostat, June 2017

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) | 2009 | 2010 | 2013 | 2014 | 2015 | 2016 |
|------------|-------|-------|-------|-------|-------|-------|
| EU-28 | 8.32 | 9.15 | 11.13 | 10.27 | 9.59 | 8.37 |
| BE | 8.50 | 8.20 | 9.54 | 8.13 | 7.94 | 7.15 |
| BG | 5.96 | 8.41 | 9.77 | 9.48 | 7.49 | 5.34 |
| CZ | 7.56 | 10.07 | 9.21 | 8.45 | 8.17 | 7.16 |
| DK | 6.85 | 10.72 | 12.23 | 10.27 | 9.54 | 8.37 |
| DE | 9.61 | 11.09 | 13.30 | 11.15 | 10.47 | 9.21 |
| EE | 6.39 | 7.85 | 9.80 | 10.24 | 7.54 | 6.50 |
| IE | 7.31 | 8.80 | 13.16 | 11.57 | 10.28 | 9.43 |
| EL | | | 14.11 | 12.96 | 10.00 | 7.85 |
| ES | 7.53 | 8.08 | 10.47 | 10.39 | 8.81 | 7.22 |
| FR | 8.80 | 9.69 | 10.79 | 10.52 | 10.19 | 10.51 |
| HR | 7.43 | 10.95 | 11.80 | 11.15 | 9.74 | 7.63 |
| IT | 7.83 | 8.34 | 10.44 | 9.58 | 8.87 | 7.58 |
| CY | | | | | | |
| LV | 7.69 | 8.84 | 10.31 | 9.89 | 8.17 | 6.89 |
| LT | 7.55 | 9.40 | 11.34 | 10.40 | 6.05 | 6.81 |
| LU | 10.03 | 11.72 | 12.49 | 10.94 | 10.33 | 9.17 |
| HU | 10.06 | 9.93 | 13.28 | 10.81 | 9.38 | 7.63 |
| MT | | | | | | |
| NL | 9.72 | 8.62 | 9.67 | 9.34 | 8.91 | 7.91 |
| AT | 9.07 | 9.78 | 11.90 | 11.13 | 10.50 | 9.48 |
| PL | 8.36 | 9.02 | 10.12 | 10.12 | 9.39 | 7.26 |
| PT | 7.22 | 9.28 | 11.66 | 12.33 | 10.52 | 7.67 |
| RO | 5.93 | 6.11 | 8.01 | 8.54 | 8.05 | 7.27 |
| SI | 9.61 | 11.81 | 13.33 | 12.16 | 10.57 | 9.07 |
| SK | 8.91 | 10.22 | 10.74 | 10.45 | 9.63 | 8.67 |
| FI | 8.00 | 9.13 | 13.01 | 12.98 | 11.73 | 12.21 |
| SE | 12.47 | 13.43 | 15.16 | 12.26 | 11.61 | 10.67 |
| UK | 6.06 | 6.33 | 9.95 | 9.65 | 9.75 | 6.91 |

* Excluding VAT and other recoverable Taxes and Levies.

** Prices from second semester each year.

Source: Eurostat, June 2017

Methodology and Notes: See Appendix 13 – No 2

2.13.3 Fuel Prices* – Industrial Consumers

ELECTRICITY – BAND IC

2000 MWh < CONSUMPTION < 20000 MWh

2ND SEMESTER**

| €/100 kWh | 2009 | 2010 | 2013 | 2014 | 2015 | 2016 |
|-----------|-------|-------|-------|-------|-------|-------|
| EU-28 | 10.24 | 10.51 | 11.82 | 12.06 | 11.87 | 11.40 |
| BE | 10.79 | 10.54 | 10.99 | 10.86 | 10.81 | 11.58 |
| BG | 6.39 | 6.64 | 7.26 | 7.57 | 7.82 | 7.88 |
| CZ | 11.22 | 10.81 | 9.90 | 8.19 | 7.83 | 7.32 |
| DK | 9.20 | 9.61 | 9.98 | 9.72 | 9.06 | 9.36 |
| DE | 11.34 | 11.90 | 14.44 | 15.20 | 14.93 | 14.92 |
| EE | 6.45 | 7.27 | 9.70 | 9.31 | 9.58 | 8.96 |
| IE | 11.75 | 11.31 | 13.72 | 13.57 | 13.57 | 12.45 |
| EL | 9.36 | 10.26 | 12.39 | 12.98 | 11.50 | 11.15 |
| ES | 11.20 | 10.93 | 12.02 | 11.67 | 11.33 | 10.29 |
| FR | 6.48 | 7.16 | 8.55 | 9.38 | 9.51 | 8.93 |
| HR | 9.04 | 9.04 | 9.44 | 9.18 | 9.28 | 8.77 |
| IT | 13.70 | 14.43 | 17.18 | 17.35 | 15.97 | 15.56 |
| CY | 14.94 | 17.30 | 20.13 | 19.03 | 14.12 | 12.95 |
| LV | 8.93 | 9.07 | 11.52 | 11.83 | 11.83 | 12.01 |
| LT | 7.90 | 10.46 | 12.27 | 11.71 | 9.97 | 8.82 |
| LU | | 10.24 | 10.01 | 9.87 | 8.93 | 8.58 |
| HU | 12.97 | 10.53 | 9.80 | 8.99 | 8.70 | 7.96 |
| MT | 12.91 | 18.10 | 17.80 | 17.80 | 14.05 | 13.99 |
| NL | 10.61 | 9.70 | 9.45 | 8.88 | 8.46 | 8.05 |
| AT | 11.62 | 11.28 | 11.08 | 10.55 | 10.47 | 10.04 |
| PL | 9.33 | 9.87 | 8.78 | 8.33 | 8.61 | 8.15 |
| PT | 9.44 | 9.20 | 11.38 | 11.87 | 11.54 | 11.32 |
| RO | 8.28 | 8.08 | 8.20 | 8.07 | 8.02 | 7.71 |
| SI | 9.62 | 10.05 | 9.45 | 8.47 | 8.70 | 8.32 |
| SK | 14.03 | 11.98 | 12.69 | 11.74 | 11.22 | 11.12 |
| FI | 6.83 | 6.83 | 7.49 | 7.22 | 7.06 | 6.94 |
| SE | 6.89 | 8.41 | 7.47 | 6.66 | 5.90 | 6.56 |
| UK | 10.12 | 10.00 | 11.96 | 13.38 | 15.20 | 12.78 |

* Excluding VAT and other recoverable Taxes and Levies.

** Prices from second semester each year.

Source: Eurostat, June 2017

Methodology and Notes: See Appendix 13 – No 2



Socio-Economic Indicators in the EU

PART 3



Summary

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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.

Sources: Eurostat, UN, June 2017

Methodology and Notes: [See Appendix 13 – No 3](#)

3.2 Enterprises in the Energy Sector

3.2.1 Number of Enterprises in the Energy Sector

ENTERPRISES SURVEY – EU-28

| | 2013 | 2014 | 2015* |
|--|---------------|---------------|----------------------|
| B05: Mining of Coal and Lignite | 236 | 200 | 255 |
| B06: Extraction of Crude Petroleum and Natural Gas | 416 | <i>418</i> | 420 |
| B07.21: Mining of Uranium and Thorium Ores | 5 | <i>4</i> | <i>4</i> |
| B08.92: Extraction of Peat | 917 | 961 | <i>950</i> |
| B09.1: Support Activities for Petroleum and Natural Gas Extraction | 1 050 | 1 130 | 1 151 |
| C19: Manufacture of Coke and Refined Petroleum Products | 1 108 | 1 124 | 1 104 |
| D35: Electricity, Gas, Steam and Air Conditioning Supply | 78 601 | 87 465 | 92 200 |
| D35.1: Electricity | <i>71 720</i> | 80 466 | 85 000 |
| 35.11: Production of Electricity | 65 958 | 74 147 | |
| 35.12: Transmission of Electricity | | 226 | |
| 35.13: Distribution of Electricity | 2 070 | 2 196 | |
| 35.14: Trade of Electricity | 3 472 | 3 897 | |
| D35.2: Gas | 1 857 | 1 900 | 1 900 |
| 35.21: Manufacture of Gas | 341 | <i>340</i> | |
| 35.22: Distribution of Gaseous Fuels through Mains | 726 | 722 | |
| 35.23: Trade of Gas through Mains | 785 | 838 | |
| D35.3: Steam and Air Conditioning | 5 000 | 5 050 | 5 100 |
| 35.30: Steam and Air Conditioning Supply | 5 000 | 5 050 | 5 100 |
| Broad Sector – Total | 82 333 | 91 302 | <i>96 084</i> |

* Provisional data.

Italics: DG Energy Estimations.

Sources: Eurostat, Structural Business Statistics Survey (SBS), July 2017
Methodology and Notes: [See Appendix 13 – No 3](#)

3.2.1 Number of Enterprises in the Energy Sector

ENTERPRISES SURVEY

| | Mining of Coal and Lignite (B05) | | | | Extraction of Crude Petroleum and Natural Gas (B06) | | | |
|-------|----------------------------------|------|------|-------|---|------|------|-------|
| | 2008 | 2013 | 2014 | 2015* | 2008 | 2013 | 2014 | 2015* |
| EU-28 | 298 | 236 | 200 | 255 | 315 | 416 | 418 | 420 |
| BE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BG | 23 | 24 | 24 | 22 | 9 | 6 | 7 | 4 |
| CZ | 0 | 12 | 11 | 12 | 0 | 5 | 5 | 5 |
| DK | 0 | 0 | 0 | 0 | 10 | 10 | 11 | 19 |
| DE | 7 | 5 | 5 | 7 | 4 | 4 | 4 | 4 |
| EE | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 2 |
| IE | | | | | | | | |
| EL | 4 | 0 | 0 | 3 | | | | |
| ES | 110 | 56 | 25 | 78 | 4 | 0 | 18 | 10 |
| FR | 10 | 0 | 0 | 0 | 61 | 58 | 50 | 0 |
| HR | 0 | 0 | 0 | 0 | 7 | 4 | 4 | 4 |
| IT | | | | | 5 | 12 | 13 | 0 |
| CY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LV | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 2 |
| LT | 0 | 0 | 0 | 0 | 4 | 4 | 4 | 4 |
| LU | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HU | 12 | 17 | 14 | 14 | 10 | 10 | 9 | 8 |
| MT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NL | 0 | 0 | 0 | 0 | 45 | 45 | 43 | 41 |
| AT | 0 | 0 | 0 | 0 | 2 | 2 | 3 | 0 |
| PL | 44 | 57 | 58 | 63 | 28 | 52 | 55 | 60 |
| PT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| RO | 38 | 35 | 32 | 27 | 10 | 34 | 38 | 37 |
| SI | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SK | | | | | | | | |
| FI | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | | | | | | | | |
| UK | 22 | 20 | 0 | 0 | 105 | 158 | 145 | 98 |

* Provisional data.

Italics: DG Energy Estimations.

Sources: Eurostat, Structural Business Statistics Survey (SBS), July 2017
Methodology and Notes: [See Appendix 13 – No 3](#)

3.2.1 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 | 2013 | 2014 | 2015* | 2008 | 2013 | 2014 | 2015* |
| EU-28 | <i>1 011</i> | 917 | 961 | <i>950</i> | <i>830</i> | 1 050 | 1 130 | 1 151 |
| BE | 0 | 0 | 0 | | | | | |
| BG | | 10 | 3 | 4 | 4 | 11 | 12 | 14 |
| CZ | | | | | | 5 | 5 | 6 |
| DK | 7 | 2 | 3 | | 47 | 52 | 55 | 55 |
| DE | 90 | 83 | 87 | 91 | | | | |
| EE | 38 | 42 | 41 | 41 | 0 | 0 | 0 | 0 |
| IE | | | | | 28 | 41 | 39 | 38 |
| EL | | 0 | | | | | | |
| ES | 6 | 5 | 5 | 7 | 24 | 48 | | 46 |
| FR | | 21 | 19 | | | 45 | 52 | 54 |
| HR | 2 | 0 | 0 | 0 | 8 | 6 | 4 | 4 |
| IT | 0 | 4 | 5 | | | 42 | 39 | |
| CY | 0 | 0 | 0 | | 0 | | | |
| LV | 54 | 50 | 65 | | 0 | 1 | 1 | 2 |
| LT | 20 | 25 | 26 | | 0 | 0 | 0 | 0 |
| LU | 0 | 0 | 0 | | 0 | 0 | 0 | 0 |
| HU | | 15 | | 13 | 29 | 35 | 32 | 37 |
| MT | 0 | 0 | 0 | | | | | |
| NL | 8 | 7 | 6 | | 103 | 201 | 228 | 251 |
| AT | 7 | 6 | 5 | | 6 | 8 | 9 | 8 |
| PL | 49 | 34 | 34 | | 52 | 92 | 107 | 108 |
| PT | 1 | 0 | 0 | 1 | 1 | 2 | 3 | 4 |
| RO | 10 | 5 | 5 | | 93 | 90 | 105 | 106 |
| SI | 0 | 0 | 0 | | 3 | 4 | 2 | 2 |
| SK | | | | | | | | |
| FI | 519 | 473 | 467 | | 0 | 0 | 0 | 0 |
| SE | 87 | 73 | 70 | | 39 | 58 | 59 | 63 |
| UK | 24 | 21 | 20 | 19 | 267 | 286 | 284 | 251 |

* Provisional data.

Italics: DG Energy Estimations.

Sources: Eurostat, Structural Business Statistics Survey (SBS), July 2017
Methodology and Notes: [See Appendix 13 – No 3](#)

3.2.1 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 | 2013 | 2014 | 2015* | 2008 | 2013 | 2014 | 2015* |
| EU-28 | <i>1 274</i> | 1 108 | 1 124 | 1 104 | <i>33 758</i> | 78 601 | 87 465 | 92 200 |
| BE | | 17 | 15 | 20 | | 618 | 693 | 736 |
| BG | 21 | 10 | 13 | 11 | 583 | 1 784 | 1 743 | 1 745 |
| CZ | 22 | 33 | 33 | 25 | 1 264 | 8 446 | 10 414 | 10 887 |
| DK | 4 | 4 | 3 | 3 | 1 692 | 1 845 | 1 784 | 1 760 |
| DE | 86 | 80 | 85 | 54 | 1 589 | 1 974 | 2 058 | 2 059 |
| EE | 9 | 7 | 5 | 5 | 181 | 226 | 226 | 230 |
| IE | | | | | 204 | 485 | 483 | 535 |
| EL | 7 | 48 | 47 | 42 | 5 | 32 | 28 | 27 |
| ES | 13 | 14 | 10 | 14 | 12 004 | 13 867 | 14 244 | 14 044 |
| FR | 88 | 56 | 50 | 43 | 3 866 | 20 756 | 24 883 | 26 742 |
| HR | 19 | 15 | 14 | 14 | 133 | 513 | 560 | 573 |
| IT | 353 | 297 | 294 | | 2 472 | 10 169 | 10 459 | |
| CY | | | | | 1 | | | |
| LV | 3 | 10 | 12 | 17 | 279 | 480 | 506 | 541 |
| LT | 5 | 7 | 8 | 8 | 213 | 1 214 | 1 434 | 1 428 |
| LU | 0 | 0 | 0 | 0 | 60 | 74 | 82 | 73 |
| HU | 10 | 14 | 10 | 8 | 542 | 675 | 668 | 610 |
| MT | | | | | | | | |
| NL | 37 | 38 | 43 | 45 | 558 | 950 | 1 191 | 1 130 |
| AT | 5 | 4 | 5 | 5 | 1 512 | 2 256 | 2 271 | 2 442 |
| PL | 158 | 175 | 175 | 176 | 1 788 | 2 546 | 2 583 | 3 132 |
| PT | 6 | 17 | 17 | 18 | 678 | 925 | 941 | 1 209 |
| RO | 33 | 42 | 47 | 44 | 506 | 1 345 | 1 501 | 1 460 |
| SI | 5 | 7 | 5 | 4 | 417 | 1 526 | 1 570 | 1 529 |
| SK | | | | | 203 | 430 | 487 | 465 |
| FI | 13 | 17 | 18 | 15 | 722 | 816 | 849 | 900 |
| SE | 44 | 40 | | 38 | 1 528 | 2 287 | 2 470 | 4 233 |
| UK | 245 | 134 | 131 | 132 | 478 | 2 577 | 3 285 | 4 279 |

* Provisional data.

Italics: DG Energy Estimations.

Sources: Eurostat, Structural Business Statistics Survey (SBS), July 2017

Methodology and Notes: [See Appendix 13 – No 3](#)

3.2.2 Turnover in the Energy Sector

ENTERPRISES SURVEY – EU-28

| Mio EUR | 2013 | 2014 | 2015* |
|--|--------------------|--------------------|---------------------------|
| B05: Mining of Coal and Lignite | 13 282.4 | 11 783.6 | 11 196.9 |
| B06: Extraction of Crude Petroleum and Natural Gas | 172 599.5 | 146 325.6 | 127 389.2 |
| B07.21: Mining of Uranium and Thorium Ores | | | |
| B08.92: Extraction of Peat | 1 749.8 | 1 749.4 | <i>1 700.0</i> |
| B09.1: Support Activities for Petroleum and Natural Gas Extraction | 16 389.7 | 18 764.0 | 19 391.9 |
| C19: Manufacture of Coke and Refined Petroleum Products | 606 176.5 | 557 103.4 | 405 871.0 |
| D35: Electricity, Gas, Steam and Air Conditioning Supply | 1 539 990.8 | 1 478 875.8 | 1 510 000.0 |
| D35.1: Electricity | 1 233 856.6 | 1 185 837.6 | 1 221 650.3 |
| 35.11: Production of Electricity | 335 039.1 | 325 816.4 | |
| 35.12: Transmission of Electricity | 68 751.2 | 69 990.7 | |
| 35.13: Distribution of Electricity | 237 541.8 | 241 043.1 | |
| 35.14: Trade of Electricity | 592 524.5 | 548 987.3 | |
| D35.2: Gas | 265 273.3 | 256 721.0 | 256 668.8 |
| 35.21: Manufacture of Gas | 5 794.6 | 5 779.6 | |
| 35.22: Distribution of Gaseous Fuels through Mains | 83 482.4 | 56 992.2 | |
| 35.23: Trade of Gas through Mains | 175 988.6 | 193 935.5 | |
| D35.3: Steam and Air Conditioning | 40 860.9 | 36 317.2 | |
| 35.30: Steam and Air Conditioning Supply | 40 860.9 | 36 317.2 | |
| Broad Sector – Total | 2 350 188.7 | 2 214 601.8 | <i>2 075 549.0</i> |

* Provisional data.

Italics: DG Energy Estimations.

Sources: Eurostat, Structural Business Statistics Survey (SBS), July 2017
Methodology and Notes: [See Appendix 13 – No 3](#)

3.2.2 Turnover in the Energy Sector

ENTERPRISES SURVEY

| Mio EUR | Mining of Coal and Lignite (B05) | | | | Extraction of Crude Petroleum and Natural Gas (B06) | | | |
|---------|----------------------------------|----------------|----------------|----------------|---|-----------------|-----------------|-----------------|
| | 2008 | 2013 | 2014 | 2015* | 2008 | 2013 | 2014 | 2015* |
| EU-28 | <i>16674.9</i> | <i>13282.4</i> | <i>11783.6</i> | <i>11196.9</i> | <i>176436.0</i> | <i>172599.5</i> | <i>146325.6</i> | <i>127389.2</i> |
| BE | 0.0 | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 |
| BG | 326.6 | 287.5 | 307.9 | 348.8 | 40.9 | 80.7 | 55.2 | 30.4 |
| CZ | | 2097.4 | 1608.6 | 1578.0 | | | | |
| DK | 0.0 | 0.0 | 0.0 | 0.0 | 9239.9 | 6823.6 | 5669.7 | 3925.0 |
| DE | 4015.8 | 2387.2 | 2271.2 | 2161.5 | 3829.2 | 3431.5 | 3259.2 | 2978.4 |
| EE | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| IE | | | | | | | | |
| EL | 82.0 | | | 58.1 | | | | |
| ES | 858.2 | 433.8 | 445.7 | 235.6 | 77.9 | | 115.6 | 126.2 |
| FR | 47.6 | | 0.0 | | 851.0 | 729.1 | 372.1 | 282.1 |
| HR | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| IT | | | | | 48042.4 | 63194.3 | 56552.5 | 56651.2 |
| 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 | 77.1 | 73.1 | 38.6 |
| LU | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HU | 53.2 | 13.1 | 11.4 | 8.6 | 89.1 | 135.1 | 51.2 | 33.2 |
| MT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NL | | 0.0 | 0.0 | 0.0 | 37828.5 | 46068.0 | 36275.5 | 27000.5 |
| AT | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| PL | 7212.1 | 6669.3 | | 5752.9 | | | 175.2 | |
| PT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| RO | 485.1 | 102.0 | 32.8 | 20.5 | 5472.7 | 5051.5 | 4902.7 | 4245.3 |
| SI | | | | | | | | |
| SK | | | | | | | | |
| FI | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SE | | | 0.0 | 0.0 | | | 0.0 | 0.0 |
| UK | 1024.8 | | | | 65153.9 | 41147.4 | 33686.0 | 28916.7 |

* Provisional data.

Italics: DG Energy Estimations.

Sources: Eurostat, Structural Business Statistics Survey (SBS), July 2017

Methodology and Notes: See Appendix 13 – No 3

3.2.2 Turnover in the Energy Sector

ENTERPRISES SURVEY

| Mio EUR | Extraction of Peat (B08.92) | | | | Support Activities for Petroleum and Natural Gas Extraction (B09.1) | | | |
|---------|-----------------------------|---------|---------|----------------|---|----------------|----------------|----------------|
| | 2008 | 2013 | 2014 | 2015* | 2008 | 2013 | 2014 | 2015* |
| EU-28 | <i>1 651.4</i> | 1 749.8 | 1 749.4 | <i>1 700.0</i> | <i>1 3587.4</i> | 16 389.7 | 18 764.0 | 19 391.9 |
| BE | 0.0 | 0.0 | 0.0 | | | | | |
| BG | | 1.7 | 1.1 | | | 1.2 | 1.2 | 0.2 |
| CZ | | | | | | | | |
| DK | | | | | 358.5 | 377.5 | 409.9 | 372.4 |
| DE | 348.8 | 413.4 | 412.6 | 399.6 | | | | |
| EE | 71.5 | 79.8 | 88.6 | 83.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| IE | | | | | 49.5 | 38.1 | 5.9 | 6.8 |
| EL | | 0.0 | | | | | | |
| ES | 11.6 | 9.1 | 9.2 | 9.9 | 60.1 | 226.1 | | 98.6 |
| FR | | 63.3 | 67.7 | | | | 330.3 | 446.2 |
| HR | | 0.0 | 0.0 | 0.0 | | | 256.3 | |
| IT | 0.0 | 2.6 | 3.7 | | | 486.2 | 1 633.8 | 1 518.3 |
| CY | 0.0 | 0.0 | 0.0 | | 0.0 | | | |
| LV | | 132.6 | 142.9 | | 0.0 | | | |
| LT | 32.5 | 58.5 | 57.0 | | 0.0 | 0.0 | 0.0 | 0.0 |
| LU | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 |
| HU | | 3.0 | | 5.3 | 146.1 | 130.0 | 116.2 | 133.4 |
| MT | 0.0 | 0.0 | 0.0 | | | | | |
| NL | | | | | | | | |
| AT | | 2.7 | 2.7 | | 11.3 | 35.6 | 34.3 | 48.3 |
| PL | 39.3 | 49.3 | | | 213.9 | 424.9 | 420.7 | 319.3 |
| PT | | 0.0 | 0.0 | | | | | |
| RO | 1.1 | 0.7 | 0.8 | | 973.4 | 796.4 | 757.6 | 596.7 |
| SI | 0.0 | 0.0 | 0.0 | | | | | |
| SK | | | | | | | | |
| FI | 460.1 | 494.2 | 502.0 | | 0.0 | 0.0 | 0.0 | 0.0 |
| SE | 38.3 | 40.8 | 36.5 | | | 168.6 | 121.5 | 108.7 |
| UK | | 80.2 | 73.3 | 101.6 | <i>7 537.0</i> | <i>9 101.7</i> | <i>9 786.9</i> | <i>9 776.7</i> |

* Provisional data.

Italics: DG Energy Estimations.

Sources: Eurostat, Structural Business Statistics Survey (SBS), July 2017
Methodology and Notes: See Appendix 13 – No 3

3.2.2 Turnover in the Energy Sector

ENTERPRISES SURVEY

| Mio EUR | Manufacture of Coke and Refined Petroleum Products (C19) | | | | Electricity, Gas, Steam and Air Conditioning Supply (D35) | | | |
|---------|--|-----------|-----------|-----------|---|-------------|-------------|-------------|
| | 2008 | 2013 | 2014 | 2015* | 2008 | 2013 | 2014 | 2015* |
| EU-28 | 547 992.2 | 606 176.5 | 557 103.4 | 405 871.0 | 1 149 803.8 | 1 539 990.8 | 1 478 875.8 | 1 510 000.0 |
| BE | | 60 047.0 | 56 368.4 | 42 260.8 | | 44 457.8 | 39 494.2 | 39 372.2 |
| BG | | | | | 7 313.3 | 7 993.7 | 8 083.2 | 8 357.4 |
| CZ | 5 021.9 | 4 837.5 | 4 943.2 | | 30 927.4 | 45 257.8 | 38 780.3 | 40 844.1 |
| DK | | | | | 20 410.1 | 26 655.8 | 24 828.6 | 24 426.0 |
| DE | 134 361.4 | 140 054.5 | 131 075.1 | 107 407.8 | 357 896.1 | 581 264.4 | 560 482.1 | 537 677.0 |
| EE | 179.9 | 297.0 | 280.8 | 253.8 | 1 542.3 | 2 245.2 | 2 013.6 | 1 764.7 |
| IE | | | | | 6 891.7 | 8 711.8 | 7 763.4 | 8 145.3 |
| EL | 17 296.6 | 19 688.0 | 21 585.2 | 17 677.4 | 5 977.0 | 12 353.6 | 11 420.1 | 11 472.0 |
| ES | 44 349.3 | 52 243.3 | 47 980.4 | 36 051.4 | 74 338.8 | 93 620.4 | 94 965.9 | 93 787.0 |
| FR | 69 128.4 | 53 048.3 | 47 136.7 | 39 385.2 | 106 500.6 | 119 162.0 | 112 204.8 | 110 714.7 |
| HR | | | | | 3 147.9 | 4 336.7 | 4 364.6 | 4 358.9 |
| IT | 48 947.8 | 51 131.3 | 38 791.9 | 33 417.8 | 156 801.7 | 212 610.2 | 205 223.7 | 201 396.0 |
| CY | | | | | 738.2 | | | |
| LV | | | 6.6 | 7.4 | 2 390.8 | 2 819.9 | 2 313.5 | 2 090.6 |
| LT | | | | | 2 690.3 | 3 234.6 | 2 772.4 | 2 369.6 |
| LU | 0.0 | 0.0 | 0.0 | 0.0 | 2 252.1 | 4 133.7 | 3 844.5 | |
| HU | 9 384.0 | 8 728.3 | 8 160.6 | 6 529.2 | 26 852.9 | 18 953.1 | 16 682.5 | 16 726.6 |
| MT | | | | | | | | |
| NL | | 52 344.4 | 50 694.6 | 35 122.0 | 38 660.1 | 38 759.4 | 34 983.0 | 32 435.8 |
| AT | | 9 698.2 | 8 938.3 | 7 219.2 | 27 553.5 | 38 505.7 | 34 508.0 | 35 307.0 |
| PL | 28 312.7 | 34 880.3 | 32 743.8 | 26 977.8 | 44 091.4 | 46 297.7 | 44 063.7 | 47 792.3 |
| PT | 7 841.7 | 9 659.7 | 8 510.9 | 7 130.6 | 18 485.1 | 21 552.4 | 21 669.9 | 21 119.1 |
| RO | 4 112.9 | 4 323.3 | 4 747.4 | 3 370.8 | 13 180.6 | 12 671.6 | 12 404.1 | 13 153.8 |
| SI | 14.6 | 8.1 | | | 3 580.0 | 5 949.9 | 5 535.5 | 6 075.6 |
| SK | | | | | 11 021.1 | 12 834.5 | 10 725.6 | 11 318.8 |
| FI | | | | 6 520.6 | 12 012.3 | 13 630.5 | 13 074.4 | 12 340.4 |
| SE | 1 526.2 | | | 10 695.7 | 24 823.9 | 30 323.3 | 26 833.9 | 26 452.8 |
| UK | 49 837.4 | 57 903.5 | 52 334.0 | 40 197.8 | 107 875.7 | 130 805.0 | 138 730.6 | 148 344.2 |

* Provisional data.

Italics: DG Energy Estimations.

Sources: Eurostat, Structural Business Statistics Survey (SBS), July 2017

Methodology and Notes: See Appendix 13 – No 3

3.2.3 Number of Persons Declared as Employed in the Energy Sector

ENTERPRISES SURVEY – EU-28

| | 2013 | 2014 | 2015* |
|--|------------------|------------------|-------------------------|
| B05: Mining of Coal and Lignite | 194 900 | 177 143 | 158 945 |
| B06: Extraction of Crude Petroleum and Natural Gas | 77 000 | 79 131 | 77 187 |
| B07.21: Mining of Uranium and Thorium Ores | | | |
| B08.92: Extraction of Peat | 11 200 | 11 622 | <i>11 400</i> |
| B09.1: Support Activities for Petroleum and Natural Gas Extraction | 56 100 | 57 497 | 56 570 |
| C19: Manufacture of Coke and Refined Petroleum Products | 119 600 | 117 892 | 111 946 |
| D35: Electricity, Gas, Steam and Air Conditioning Supply | 1 216 300 | 1 230 152 | 1 233 305 |
| D35.1: Electricity | 916 300 | 937 829 | |
| 35.11: Production of Electricity | 457 800 | 446 326 | |
| 35.12: Transmission of Electricity | 54 800 | 54 825 | |
| 35.13: Distribution of Electricity | 309 700 | 339 317 | |
| 35.14: Trade of Electricity | 94 000 | 97 360 | |
| D35.2: Gas | 152 300 | 148 589 | |
| 35.21: Manufacture of Gas | 8 800 | 7 241 | |
| 35.22: Distribution of Gaseous Fuels through Mains | 102 700 | 99 993 | |
| 35.23: Trade of Gas through Mains | 40 800 | 41 344 | |
| D35.3: Steam and Air Conditioning | 147 700 | 143 734 | |
| 35.30: Steam and Air Conditioning Supply | 147 700 | 143 734 | |
| Broad Sector – Employment Reported | 1 675 100 | 1 673 437 | <i>1 649 353</i> |

* Provisional data.

Italics: DG Energy Estimations.

Sources: Eurostat, Structural Business Statistics Survey (SBS), July 2017
Methodology and Notes: [See Appendix 13 – No 3](#)

3.2.3 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 | 2013 | 2014 | 2015* | 2008 | 2013 | 2014 | 2015* |
| EU-28 | <i>253883</i> | 194900 | 177143 | 158945 | <i>88205</i> | 77000 | 79131 | 77187 |
| BE | 0 | 0 | 0 | | | 0 | 0 | 0 |
| BG | 13905 | 12534 | 12132 | 11995 | | | | |
| CZ | | 21595 | 19972 | 18715 | | | | |
| DK | 0 | 0 | 0 | 0 | 444 | 971 | 1030 | 987 |
| DE | 38415 | 22511 | 20164 | 17468 | 3544 | 3764 | 3972 | 3927 |
| EE | 0 | 0 | 0 | 0 | | | | |
| IE | | | | | | | | |
| EL | 159 | | | 127 | | | | |
| ES | 7311 | 4012 | 3666 | 1684 | 215 | | 355 | 368 |
| FR | | | 0 | | | 672 | | |
| HR | 0 | 0 | 0 | 0 | | | | 7852 |
| IT | | | | | 13047 | 12354 | 12882 | 12884 |
| CY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LV | 18 | 0 | 0 | 0 | 0 | 15 | 19 | 20 |
| LT | 0 | 0 | 0 | 0 | 351 | 269 | 255 | 212 |
| LU | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HU | 121 | 243 | 143 | 124 | 36 | 82 | 80 | 68 |
| MT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NL | | 0 | 0 | 0 | 3076 | 3627 | 3831 | 3913 |
| AT | 0 | 0 | 0 | 0 | | | | |
| PL | 138338 | 116760 | | 95973 | | | 714 | |
| PT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| RO | 20804 | 5758 | 2213 | 1843 | 38538 | 25680 | 25246 | 23485 |
| SI | | | | | | 1 | | |
| SK | | | | | | | | |
| FI | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | | | 0 | 0 | | | 0 | 0 |
| UK | 5944 | 5421 | 3777 | 2844 | 13405 | 14363 | | 17127 |

* Provisional data.

Italics: DG Energy Estimations.

Sources: Eurostat, Structural Business Statistics Survey (SBS), July 2017

Methodology and Notes: [See Appendix 13 – No 3](#)

3.2.3 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 | 2013 | 2014 | 2015* | 2008 | 2013 | 2014 | 2015* |
| EU-28 | <i>12 537</i> | 11 200 | 11 622 | <i>11 400</i> | <i>47 333</i> | 56 100 | 57 497 | 56 570 |
| BE | 0 | 0 | 0 | | | | | |
| BG | | 107 | 33 | 55 | | 38 | 38 | 25 |
| CZ | | | | | | | 642 | |
| DK | | | | | 1 716 | 2 044 | 1 995 | 1 829 |
| DE | 1 912 | 1 844 | 2 015 | 1 762 | | | | |
| EE | 1 276 | 1 076 | 1 042 | 963 | 0 | 0 | 0 | 0 |
| IE | | | | | 46 | 59 | 32 | 19 |
| EL | | 0 | | | | | | |
| ES | 57 | 34 | 32 | 36 | 224 | 217 | | 191 |
| FR | | 195 | 203 | | | | 375 | |
| HR | | 0 | 0 | 0 | | | 2 563 | 2 273 |
| IT | 0 | 17 | 19 | | | 1 815 | 1 864 | 1 818 |
| CY | 0 | 0 | 0 | | 0 | | | |
| LV | 1 970 | 2 081 | 2 136 | | 0 | 1 | 1 | 2 |
| LT | 1 229 | 1 091 | 1 154 | | 0 | 0 | 0 | 0 |
| LU | 0 | 0 | 0 | | 0 | 0 | 0 | 0 |
| HU | | 94 | | 97 | 1 275 | 1 190 | 1 079 | 1 062 |
| MT | 0 | 0 | 0 | | | | | |
| NL | 36 | 110 | 104 | | 2 270 | | | |
| AT | | 29 | 27 | | 19 | 88 | 106 | 186 |
| PL | 711 | 532 | | | 2 181 | 5 118 | 5 146 | 4 626 |
| PT | | 0 | 0 | | | | | |
| RO | 41 | 29 | 27 | | 9 882 | 7 526 | 7 388 | 6 774 |
| SI | 0 | 0 | 0 | | | 69 | | |
| SK | | | | | | | | |
| FI | 1 735 | 2 044 | 2 091 | | 0 | 0 | 0 | 0 |
| SE | 358 | 311 | 260 | | | 77 | 88 | 342 |
| UK | 634 | 29 | 274 | | 18 489 | | | |

* Provisional data.

Italics: DG Energy Estimations.

Sources: Eurostat, Structural Business Statistics Survey (SBS), July 2017
Methodology and Notes: [See Appendix 13 – No 3](#)

3.2.3 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 | 2013 | 2014 | 2015* | 2008 | 2013 | 2014 | 2015* |
| EU-28 | <i>135 372</i> | 119600 | 117892 | 111946 | <i>1243616</i> | 1216300 | 1230152 | 1233305 |
| BE | | 4453 | 4401 | 4402 | | 20181 | 20907 | 21854 |
| BG | | 2208 | 2129 | 2078 | 36 197 | 32809 | 32573 | 31 751 |
| CZ | 2926 | 2173 | 2053 | | 32652 | 33495 | 33849 | 34 307 |
| DK | | | | | 13206 | 11265 | 14308 | 14509 |
| DE | 19611 | 19269 | 22593 | 22 302 | 221 450 | 219936 | 228 179 | 224669 |
| EE | 1 330 | 1 644 | 1 668 | 1 679 | 6 290 | 5 218 | 5 097 | 4 949 |
| IE | | | | | 9 235 | 8 246 | 8 496 | 8 569 |
| EL | 4 557 | 3 945 | 3 920 | 3 723 | 23 955 | 20 481 | 21 598 | 20 902 |
| ES | 8 823 | 8 855 | 8 644 | 8 453 | 47 622 | 38 974 | 38 514 | 39 764 |
| FR | | | | | | 181 335 | 190 297 | |
| HR | | | | 262 | 16 849 | 15 472 | 14 739 | 14 893 |
| IT | 16 383 | 13 292 | 11 259 | 11 111 | 84 224 | 87 908 | 88 476 | 90 546 |
| CY | | | | | 2 347 | | | |
| LV | 9 | 30 | 41 | 66 | 12 185 | 11 109 | 10 624 | 11 233 |
| LT | | | | | 18 303 | 13 781 | 13 912 | 13 849 |
| LU | 0 | 0 | 0 | 0 | 1 091 | 1 435 | 1 470 | |
| HU | 6 538 | 6 106 | 5 923 | 5 691 | 27 387 | 24 608 | 24 782 | 24 601 |
| MT | | | | | | | | |
| NL | 6 652 | 5 213 | 5 422 | 5 354 | 23 869 | 27 056 | 27 153 | 27 753 |
| AT | | 1 124 | 1 145 | 1 180 | 28 218 | 29 402 | 29 297 | 29 274 |
| PL | 16 606 | 13 220 | 13 224 | 13 476 | 153 286 | 139 998 | 136 068 | 128 386 |
| PT | 2 132 | 1 990 | 1 794 | 1 830 | 10 336 | 8 913 | 8 703 | 9 589 |
| RO | 5 017 | 2 516 | 2 657 | 2 560 | 89 511 | 77 393 | 76 016 | 72 307 |
| SI | 93 | 34 | | 26 | 7 828 | 8 942 | 9 069 | 8 957 |
| SK | | | | | 21 641 | 17 885 | 18 104 | 17 950 |
| FI | | | | 2814 | 13 430 | 13 729 | 13 645 | 13 282 |
| SE | 2 748 | | | 2817 | 31 151 | 31 264 | 31 811 | 32 027 |
| UK | 9 998 | | | | 121 447 | 129 496 | 129 335 | 141 099 |

* Provisional data.

Italics: DG Energy Estimations.

Sources: Eurostat, Structural Business Statistics Survey (SBS), July 2017

Methodology and Notes: [See Appendix 13 – No 3](#)

3.3 Economy

3.3.1 GDP at Current Market Prices

| Mrd EUR* | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 | 2016 |
|----------|---------|---------|----------|----------|----------|----------|----------|
| EU-28 | 7 345.9 | 9 648.9 | 11 590.7 | 12 817.6 | 14 010.9 | 14 728.5 | 14 824.7 |
| BE | 221.4 | 258.2 | 311.5 | 365.1 | 400.8 | 410.2 | 421.6 |
| BG | 11.0 | 14.3 | 23.9 | 38.2 | 42.8 | 45.3 | 47.4 |
| CZ | 45.5 | 66.6 | 109.4 | 156.4 | 156.7 | 167.0 | 174.4 |
| DK | 141.4 | 178.0 | 212.8 | 243.2 | 265.2 | 271.8 | 276.8 |
| DE | 1 982.1 | 2 116.5 | 2 300.9 | 2 580.1 | 2 923.9 | 3 032.8 | 3 134.1 |
| EE | 2.9 | 6.2 | 11.3 | 14.7 | 19.8 | 20.3 | 20.9 |
| IE | 52.9 | 108.4 | 170.2 | 167.1 | 193.2 | 255.8 | 265.8 |
| EL | 104.7 | 143.0 | 199.2 | 226.0 | 177.9 | 175.7 | 175.9 |
| ES | 468.9 | 646.3 | 930.6 | 1 080.9 | 1 037.0 | 1 075.6 | 1 113.9 |
| FR | 1 231.4 | 1 485.3 | 1 772.0 | 1 998.5 | 2 147.6 | 2 194.2 | 2 228.9 |
| HR | 17.1 | 23.6 | 36.5 | 45.0 | 43.0 | 43.8 | 45.6 |
| IT | 895.3 | 1 239.3 | 1 489.7 | 1 604.5 | 1 621.8 | 1 645.4 | 1 672.4 |
| CY | 7.6 | 10.8 | 15.0 | 19.3 | 17.6 | 17.6 | 17.9 |
| LV | 4.1 | 8.6 | 13.7 | 17.8 | 23.6 | 24.4 | 25.0 |
| LT | 5.1 | 12.5 | 21.0 | 28.0 | 36.6 | 37.3 | 38.6 |
| LU | 16.5 | 23.1 | 30.0 | 40.2 | 50.0 | 52.3 | 54.2 |
| HU | 35.4 | 51.2 | 90.6 | 98.3 | 105.0 | 109.7 | 112.4 |
| MT | 2.8 | 4.4 | 5.1 | 6.6 | 8.4 | 9.3 | 9.9 |
| NL | 341.6 | 448.1 | 545.6 | 631.5 | 663.0 | 676.5 | 697.2 |
| AT | 183.9 | 213.2 | 253.0 | 294.6 | 330.4 | 339.9 | 349.3 |
| PL | 108.7 | 186.4 | 246.2 | 361.8 | 411.0 | 430.0 | 424.3 |
| PT | 91.0 | 128.5 | 158.7 | 179.9 | 173.1 | 179.5 | 184.9 |
| RO | 28.8 | 40.8 | 80.2 | 126.7 | 150.4 | 160.0 | 169.6 |
| SI | 16.3 | 21.9 | 29.2 | 36.3 | 37.3 | 38.6 | 39.8 |
| SK | 15.3 | 22.3 | 39.3 | 67.6 | 75.9 | 78.7 | 81.0 |
| FI | 102.7 | 136.3 | 164.4 | 187.1 | 205.5 | 209.5 | 214.1 |
| SE | 201.8 | 281.9 | 313.2 | 369.1 | 432.7 | 447.0 | 462.1 |
| UK | 1 009.5 | 1 773.4 | 2 017.4 | 1 833.0 | 2 260.8 | 2 580.1 | 2 366.9 |

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

Source: DG Economic and Financial Affairs, AMECO, June 2017
Methodology and Notes: [See Appendix 13 – No 3](#)

3.3.2 GDP per Capita at Current Market Prices

| Thousand EUR/cap* | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 | 2016 |
|-------------------|------|------|------|------|------|------|------|
| EU-28 | 15.2 | 19.8 | 23.4 | 25.5 | 27.6 | 29.0 | 29.1 |
| BE | 21.9 | 25.2 | 29.8 | 33.7 | 35.8 | 36.5 | 37.3 |
| BG | 1.3 | 1.7 | 3.1 | 5.2 | 5.9 | 6.3 | 6.6 |
| CZ | 4.4 | 6.5 | 10.7 | 14.9 | 14.9 | 15.8 | 16.5 |
| DK | 27.1 | 33.4 | 39.3 | 43.9 | 47.1 | 48.0 | 48.5 |
| DE | 24.3 | 25.8 | 27.9 | 31.5 | 36.2 | 37.4 | 38.1 |
| EE | 2.0 | 4.4 | 8.3 | 11.0 | 15.0 | 15.4 | 15.9 |
| IE | 14.7 | 28.7 | 41.4 | 36.7 | 41.9 | 55.3 | 56.3 |
| EL | 9.9 | 13.3 | 18.2 | 20.3 | 16.3 | 16.2 | 16.3 |
| ES | 11.8 | 16.0 | 21.5 | 23.3 | 22.3 | 23.2 | 24.0 |
| FR | 20.8 | 24.5 | 28.2 | 30.9 | 32.6 | 33.0 | 33.4 |
| HR | 3.7 | 5.2 | 8.5 | 10.5 | 10.1 | 10.4 | 10.9 |
| IT | 15.8 | 21.8 | 25.7 | 27.1 | 26.7 | 27.1 | 27.6 |
| CY | 11.8 | 15.6 | 20.5 | 23.6 | 20.5 | 20.8 | 21.1 |
| LV | 1.7 | 3.6 | 6.1 | 8.4 | 11.8 | 12.3 | 12.7 |
| LT | 1.4 | 3.6 | 6.3 | 8.9 | 12.4 | 12.8 | 13.4 |
| LU | 40.7 | 53.2 | 65.1 | 80.0 | 90.9 | 93.0 | 94.0 |
| HU | 3.4 | 5.0 | 9.0 | 9.8 | 10.6 | 11.1 | 11.4 |
| MT | 7.5 | 11.3 | 12.8 | 15.9 | 19.8 | 21.6 | 22.8 |
| NL | 22.1 | 28.2 | 33.5 | 38.1 | 39.4 | 40.0 | 41.1 |
| AT | 23.2 | 26.6 | 30.8 | 35.3 | 38.8 | 39.6 | 40.2 |
| PL | 2.8 | 4.9 | 6.4 | 9.5 | 10.8 | 11.3 | 11.2 |
| PT | 9.1 | 12.5 | 15.1 | 17.0 | 16.6 | 17.3 | 17.9 |
| RO | 1.3 | 1.8 | 3.8 | 6.2 | 7.5 | 8.1 | 8.6 |
| SI | 8.2 | 11.0 | 14.6 | 17.7 | 18.1 | 18.7 | 19.3 |
| SK | 2.8 | 4.1 | 7.3 | 12.5 | 14.0 | 14.5 | 14.9 |
| FI | 20.1 | 26.3 | 31.4 | 35.0 | 37.7 | 38.3 | 39.0 |
| SE | 22.9 | 31.8 | 34.8 | 39.5 | 44.9 | 45.9 | 46.9 |
| UK | 17.4 | 30.2 | 33.5 | 29.3 | 35.1 | 39.8 | 36.2 |

* 1000 €' per Capita.

Source: DG Economic and Financial Affairs, AMECO, June 2017
Methodology and Notes: [See Appendix 13 – No 3](#)

3.3.3 GDP at 2010 Market Prices

| Mrd EUR* | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 | 2016 |
|----------|--------|---------|---------|---------|---------|---------|---------|
| EU-28 | 9650.9 | 11149.9 | 12259.3 | 12817.6 | 13215.4 | 13506.5 | 13760.0 |
| BE | 270.1 | 311.5 | 340.8 | 365.1 | 378.1 | 383.6 | 388.2 |
| BG | 24.0 | 24.4 | 32.2 | 38.2 | 39.8 | 41.3 | 42.7 |
| CZ | 104.7 | 114.4 | 138.7 | 156.4 | 161.7 | 169.1 | 173.2 |
| DK | 194.1 | 225.2 | 240.6 | 243.2 | 253.5 | 257.5 | 260.8 |
| DE | 2145.1 | 2358.7 | 2426.5 | 2580.1 | 2743.9 | 2791.1 | 2843.2 |
| EE | 7.9 | 10.7 | 15.0 | 14.7 | 17.2 | 17.5 | 17.7 |
| IE | 78.2 | 124.7 | 163.3 | 167.1 | 181.2 | 228.8 | 240.7 |
| EL | 158.8 | 189.9 | 229.8 | 226.0 | 184.9 | 184.5 | 184.5 |
| ES | 710.5 | 867.9 | 1025.4 | 1080.9 | 1035.1 | 1068.3 | 1102.9 |
| FR | 1535.1 | 1771.7 | 1923.2 | 1998.5 | 2075.0 | 2097.2 | 2122.1 |
| HR | 29.8 | 35.3 | 44.0 | 45.0 | 43.2 | 43.9 | 45.2 |
| IT | 1409.1 | 1555.6 | 1629.9 | 1604.5 | 1542.9 | 1555.0 | 1568.7 |
| CY | 11.8 | 14.3 | 17.0 | 19.3 | 17.4 | 17.7 | 18.2 |
| LV | 9.6 | 12.3 | 18.2 | 17.8 | 20.6 | 21.2 | 21.6 |
| LT | 14.6 | 18.3 | 26.4 | 28.0 | 33.1 | 33.6 | 34.4 |
| LU | 23.1 | 30.8 | 35.6 | 40.2 | 45.1 | 46.9 | 48.9 |
| HU | 69.5 | 80.5 | 99.3 | 98.3 | 104.6 | 107.9 | 110.0 |
| MT | 4.3 | 5.4 | 6.0 | 6.6 | 7.8 | 8.3 | 8.8 |
| NL | 448.7 | 554.7 | 592.8 | 631.5 | 643.0 | 655.6 | 670.0 |
| AT | 218.6 | 253.7 | 276.3 | 294.6 | 307.5 | 310.5 | 315.1 |
| PL | 190.5 | 246.2 | 286.7 | 361.8 | 404.3 | 419.8 | 431.1 |
| PT | 136.9 | 167.1 | 174.5 | 179.9 | 169.1 | 171.8 | 174.2 |
| RO | 84.0 | 83.0 | 109.8 | 126.7 | 137.6 | 143.0 | 149.9 |
| SI | 22.6 | 27.9 | 33.3 | 36.3 | 36.2 | 37.1 | 38.0 |
| SK | 35.2 | 41.9 | 53.6 | 67.6 | 73.5 | 76.3 | 78.9 |
| FI | 123.4 | 158.1 | 179.6 | 187.1 | 186.6 | 187.1 | 189.6 |
| SE | 251.4 | 299.7 | 341.2 | 369.1 | 392.5 | 408.5 | 421.5 |
| UK | 1339.4 | 1566.2 | 1799.6 | 1833.0 | 1980.1 | 2023.6 | 2060.1 |

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

Source: DG Economic and Financial Affairs, AMECO, June 2017
Methodology and Notes: [See Appendix 13 – No 3](#)

3.3.4 GDP per Capita at 2010 Market Prices

| Thousand EUR/cap* | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 | 2016 |
|-------------------|------|------|------|------|------|------|------|
| EU-28 | 20.0 | 22.9 | 24.8 | 25.5 | 26.1 | 26.6 | 27.0 |
| BE | 26.7 | 30.4 | 32.6 | 33.7 | 33.8 | 34.1 | 34.3 |
| BG | 2.8 | 3.0 | 4.2 | 5.2 | 5.5 | 5.7 | 6.0 |
| CZ | 10.1 | 11.1 | 13.6 | 14.9 | 15.4 | 16.0 | 16.4 |
| DK | 37.2 | 42.3 | 44.5 | 43.9 | 45.0 | 45.5 | 45.7 |
| DE | 26.3 | 28.7 | 29.4 | 31.5 | 34.0 | 34.4 | 34.6 |
| EE | 5.5 | 7.6 | 11.1 | 11.0 | 13.1 | 13.3 | 13.5 |
| IE | 21.7 | 33.0 | 39.7 | 36.7 | 39.3 | 49.4 | 50.9 |
| EL | 15.1 | 17.6 | 20.9 | 20.3 | 16.9 | 17.0 | 17.1 |
| ES | 17.9 | 21.4 | 23.7 | 23.3 | 22.3 | 23.0 | 23.7 |
| FR | 25.9 | 29.3 | 30.6 | 30.9 | 31.5 | 31.5 | 31.8 |
| HR | 6.4 | 7.8 | 10.2 | 10.5 | 10.2 | 10.4 | 10.8 |
| IT | 24.8 | 27.3 | 28.2 | 27.1 | 25.4 | 25.6 | 25.9 |
| CY | 18.3 | 20.7 | 23.2 | 23.6 | 20.2 | 20.8 | 21.4 |
| LV | 3.8 | 5.2 | 8.1 | 8.4 | 10.3 | 10.7 | 11.0 |
| LT | 4.0 | 5.2 | 7.9 | 8.9 | 11.2 | 11.5 | 11.9 |
| LU | 56.9 | 71.0 | 77.2 | 80.0 | 82.0 | 83.3 | 84.8 |
| HU | 6.7 | 7.9 | 9.8 | 9.8 | 10.6 | 10.9 | 11.2 |
| MT | 11.5 | 13.9 | 14.8 | 15.9 | 18.3 | 19.4 | 20.2 |
| NL | 29.1 | 35.0 | 36.4 | 38.1 | 38.2 | 38.8 | 39.5 |
| AT | 27.5 | 31.7 | 33.7 | 35.3 | 36.1 | 36.2 | 36.3 |
| PL | 4.9 | 6.4 | 7.5 | 9.5 | 10.6 | 11.0 | 11.4 |
| PT | 13.7 | 16.3 | 16.6 | 17.0 | 16.2 | 16.6 | 16.8 |
| RO | 3.7 | 3.7 | 5.1 | 6.2 | 6.9 | 7.2 | 7.6 |
| SI | 11.4 | 14.0 | 16.7 | 17.7 | 17.6 | 18.0 | 18.4 |
| SK | 6.6 | 7.8 | 10.0 | 12.5 | 13.6 | 14.1 | 14.5 |
| FI | 24.2 | 30.6 | 34.3 | 35.0 | 34.2 | 34.2 | 34.6 |
| SE | 28.5 | 33.8 | 37.9 | 39.5 | 40.7 | 41.9 | 42.8 |
| UK | 23.1 | 26.6 | 29.9 | 29.3 | 30.8 | 31.2 | 31.5 |

* 1 000€' 2010 per Capita.

Source: DG Economic and Financial Affairs, AMECO, June 2017
Methodology and Notes: See Appendix 13 – No 3

3.4 Demography

3.4.1 Population

ON 1ST JANUARY

| Thousand Inhabitants | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 | 2016 |
|----------------------|----------|----------|----------|----------|----------|----------|----------|
| EU-28 | 481904.0 | 487259.1 | 494598.3 | 503170.6 | 506973.9 | 508504.3 | 510284.4 |
| BE | 10130.6 | 10239.1 | 10445.9 | 10839.9 | 11180.8 | 11237.3 | 11311.1 |
| BG | 8427.4 | 8190.9 | 7688.6 | 7421.8 | 7245.7 | 7202.2 | 7153.8 |
| CZ | 10333.2 | 10278.1 | 10198.9 | 10462.1 | 10512.4 | 10538.3 | 10553.8 |
| DK | 5215.7 | 5330.0 | 5411.4 | 5534.7 | 5627.2 | 5659.7 | 5707.3 |
| DE | 81538.6 | 82163.5 | 82500.8 | 81802.3 | 80767.5 | 81197.5 | 82175.7 |
| EE | 1448.1 | 1401.3 | 1358.9 | 1333.3 | 1315.8 | 1314.9 | 1315.9 |
| IE | 3597.6 | 3777.6 | 4111.7 | 4549.4 | 4605.5 | 4628.9 | 4724.7 |
| EL | 10536.0 | 10775.6 | 10969.9 | 11119.3 | 10926.8 | 10858.0 | 10783.7 |
| ES | 39639.7 | 40470.2 | 43296.3 | 46486.6 | 46512.2 | 46449.6 | 46445.8 |
| FR | 59315.1 | 60545.0 | 62772.9 | 64658.9 | 65942.1 | 66488.2 | 66760.0 |
| HR | 4658.9 | 4497.7 | 4310.9 | 4302.8 | 4246.8 | 4225.3 | 4190.7 |
| IT | 56844.4 | 56923.5 | 57874.8 | 59190.1 | 60782.7 | 60795.6 | 60665.6 |
| CY | 645.4 | 690.5 | 733.1 | 819.1 | 858.0 | 847.0 | 848.3 |
| LV | 2500.6 | 2381.7 | 2249.7 | 2120.5 | 2001.5 | 1986.1 | 1969.0 |
| LT | 3643.0 | 3512.1 | 3355.2 | 3142.0 | 2943.5 | 2921.3 | 2888.6 |
| LU | 405.7 | 433.6 | 461.2 | 502.1 | 549.7 | 563.0 | 576.2 |
| HU | 10336.7 | 10221.6 | 10097.5 | 10014.3 | 9877.4 | 9855.6 | 9830.5 |
| MT | 376.4 | 388.8 | 402.7 | 414.0 | 425.4 | 429.3 | 434.4 |
| NL | 15424.1 | 15864.0 | 16305.5 | 16575.0 | 16829.3 | 16900.7 | 16979.1 |
| AT | 7943.5 | 8002.2 | 8201.4 | 8351.6 | 8506.9 | 8576.3 | 8690.1 |
| PL | 38580.6 | 38263.3 | 38173.8 | 38022.9 | 38017.9 | 38005.6 | 37967.2 |
| PT | 10008.7 | 10249.0 | 10494.7 | 10573.5 | 10427.3 | 10374.8 | 10341.3 |
| RO | 22712.4 | 22455.5 | 21382.4 | 20294.7 | 19947.3 | 19870.6 | 19760.3 |
| SI | 1989.5 | 1987.8 | 1997.6 | 2047.0 | 2061.1 | 2062.9 | 2064.2 |
| SK | 5356.2 | 5398.7 | 5372.7 | 5390.4 | 5415.9 | 5421.3 | 5426.3 |
| FI | 5098.8 | 5171.3 | 5236.6 | 5351.4 | 5451.3 | 5471.8 | 5487.3 |
| SE | 8816.4 | 8861.4 | 9011.4 | 9340.7 | 9644.9 | 9747.4 | 9851.0 |
| UK | 57943.5 | 58785.2 | 60182.1 | 62510.2 | 64351.2 | 64875.2 | 65382.6 |

3.5 Employment

3.5.1 Total Persons Employed in the Energy Sector (15-64 years)

MEMBER STATES DATA – EU-28

| Thousands | 2010 | 2013 | 2014 | 2015 | 2016 |
|--|----------------|----------------|----------------|----------------|----------------|
| B05 Mining of coal and lignite | 331.2 | 326.4 | 313.5 | 294.5 | 274.1 |
| B06 Extraction of crude petroleum and natural gas | 103.8 | 96.8 | 97.8 | 88.8 | 81.3 |
| B0892 Extraction of peat* | <i>12.5</i> | <i>11.2</i> | <i>11.6</i> | <i>11.4</i> | <i>11.4</i> |
| B091 Support activities for petroleum and natural gas extraction* | <i>47.3</i> | <i>56.1</i> | <i>57.5</i> | <i>56.6</i> | <i>56.6</i> |
| C19 Manufacture of coke and refined petroleum products | 218.7 | 207.9 | 198.5 | 190.0 | 186.4 |
| D35 Electricity, gas, steam and air conditioning supply | 1 645.4 | 1 616.3 | 1 581.9 | 1 550.3 | 1 551.8 |
| Broad Sector Total Employment** | 2 359.0 | 2 314.7 | 2 260.8 | 2 191.6 | 2 161.6 |

* According to the Structural Business Survey (SBS), July 2017, and DG ENERGY estimates.

** Estimate of total employment as a sum of available and uncomplete figures presented in the table.

Italics: DG Energy Estimations

Sources: Eurostat, Labour Force Survey (LFS), July 2017

Methodology and Notes: [See Appendix 13 – No 3](#)

3.5.2 Employment Rate in all Economic Sectors

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

| % | 2010 | 2012 | 2013 | 2014 | 2015 | 2016 |
|-------|------|------|------|------|------|------|
| EU-28 | 64.1 | 64.1 | 64.1 | 64.8 | 65.6 | 66.6 |
| BE | 62.0 | 61.8 | 61.8 | 61.9 | 61.8 | 62.3 |
| BG | 59.8 | 58.8 | 59.5 | 61.0 | 62.9 | 63.4 |
| CZ | 65.0 | 66.5 | 67.7 | 69.0 | 70.2 | 72.0 |
| DK | 73.3 | 72.6 | 72.5 | 72.8 | 73.5 | 74.9 |
| DE | 71.3 | 73.0 | 73.5 | 73.8 | 74.0 | 74.7 |
| EE | 61.2 | 67.1 | 68.5 | 69.6 | 71.9 | 72.1 |
| IE | 59.6 | 58.8 | 60.5 | 61.7 | 63.3 | 64.8 |
| EL | 59.1 | 50.8 | 48.8 | 49.4 | 50.8 | 52.0 |
| ES | 58.8 | 55.8 | 54.8 | 56.0 | 57.8 | 59.5 |
| FR | 64.0 | 64.0 | 64.0 | 64.2 | 64.3 | 64.6 |
| HR | 57.4 | 53.5 | 52.5 | 54.6 | 56.0 | 56.9 |
| IT | 56.8 | 56.6 | 55.5 | 55.7 | 56.3 | 57.2 |
| CY | 68.9 | 64.6 | 61.7 | 62.1 | 62.7 | 63.4 |
| LV | 58.5 | 63.0 | 65.0 | 66.3 | 68.1 | 68.7 |
| LT | 57.6 | 62.0 | 63.7 | 65.7 | 67.2 | 69.4 |
| LU | 65.2 | 65.8 | 65.7 | 66.6 | 66.1 | 65.6 |
| HU | 54.9 | 56.7 | 58.1 | 61.8 | 63.9 | 66.5 |
| MT | 56.2 | 59.1 | 60.8 | 62.4 | 63.9 | 65.7 |
| NL | 74.7 | 74.4 | 73.6 | 73.1 | 74.1 | 74.8 |
| AT | 70.8 | 71.4 | 71.4 | 71.1 | 71.1 | 71.5 |
| PL | 58.9 | 59.7 | 60.0 | 61.7 | 62.9 | 64.5 |
| PT | 65.3 | 61.4 | 60.6 | 62.6 | 63.9 | 65.2 |
| RO | 60.2 | 60.2 | 60.1 | 61.0 | 61.4 | 61.6 |
| SI | 66.2 | 64.1 | 63.3 | 63.9 | 65.2 | 65.8 |
| SK | 58.8 | 59.7 | 59.9 | 61.0 | 62.7 | 64.9 |
| FI | 68.1 | 69.4 | 68.9 | 68.7 | 68.5 | 69.1 |
| SE | 72.1 | 73.8 | 74.4 | 74.9 | 75.5 | 76.2 |
| UK | 69.4 | 69.9 | 70.5 | 71.9 | 72.7 | 73.5 |

3.5.3 Unemployment Rate in all Economic Sectors *

MEMBER STATES' DATA – ALL SECTORS

| % | 2010 | 2012 | 2013 | 2014 | 2015 | 2016 |
|-------|------|------|------|------|------|------|
| EU-28 | 9.6 | 10.5 | 10.9 | 10.2 | 9.4 | 8.5 |
| BE | 8.3 | 7.6 | 8.4 | 8.5 | 8.5 | 7.8 |
| BG | 10.3 | 12.3 | 13.0 | 11.4 | 9.2 | 7.6 |
| CZ | 7.3 | 7.0 | 7.0 | 6.1 | 5.1 | 4.0 |
| DK | 7.5 | 7.5 | 7.0 | 6.6 | 6.2 | 6.2 |
| DE | 7.0 | 5.4 | 5.2 | 5.0 | 4.6 | 4.1 |
| EE | 16.7 | 10.0 | 8.6 | 7.4 | 6.2 | 6.8 |
| IE | 13.9 | 14.7 | 13.1 | 11.3 | 9.4 | 7.9 |
| EL | 12.7 | 24.5 | 27.5 | 26.5 | 24.9 | 23.6 |
| ES | 19.9 | 24.8 | 26.1 | 24.5 | 22.1 | 19.6 |
| FR | 9.3 | 9.8 | 10.3 | 10.3 | 10.4 | 10.1 |
| HR | 11.8 | 15.8 | 17.4 | 17.2 | 16.1 | 13.3 |
| IT | 8.4 | 10.7 | 12.1 | 12.7 | 11.9 | 11.7 |
| CY | 6.3 | 11.9 | 15.9 | 16.1 | 15.0 | 13.1 |
| LV | 19.5 | 15.0 | 11.9 | 10.8 | 9.9 | 9.6 |
| LT | 17.8 | 13.4 | 11.8 | 10.7 | 9.1 | 7.9 |
| LU | 4.6 | 5.1 | 5.9 | 6.0 | 6.5 | 6.3 |
| HU | 11.2 | 11.0 | 10.2 | 7.7 | 6.8 | 5.1 |
| MT | 6.9 | 6.3 | 6.4 | 5.8 | 5.4 | 4.7 |
| NL | 5.0 | 5.8 | 7.3 | 7.4 | 6.9 | 6.0 |
| AT | 4.8 | 4.9 | 5.4 | 5.6 | 5.7 | 6.0 |
| PL | 9.7 | 10.1 | 10.3 | 9.0 | 7.5 | 6.2 |
| PT | 12.0 | 15.8 | 16.4 | 14.1 | 12.6 | 11.2 |
| RO | 7.0 | 6.8 | 7.1 | 6.8 | 6.8 | 5.9 |
| SI | 7.3 | 8.9 | 10.1 | 9.7 | 9.0 | 8.0 |
| SK | 14.5 | 14.0 | 14.2 | 13.2 | 11.5 | 9.6 |
| FI | 8.4 | 7.7 | 8.2 | 8.7 | 9.4 | 8.8 |
| SE | 8.6 | 8.0 | 8.0 | 7.9 | 7.4 | 6.9 |
| UK | 7.8 | 7.9 | 7.5 | 6.1 | 5.3 | 4.8 |

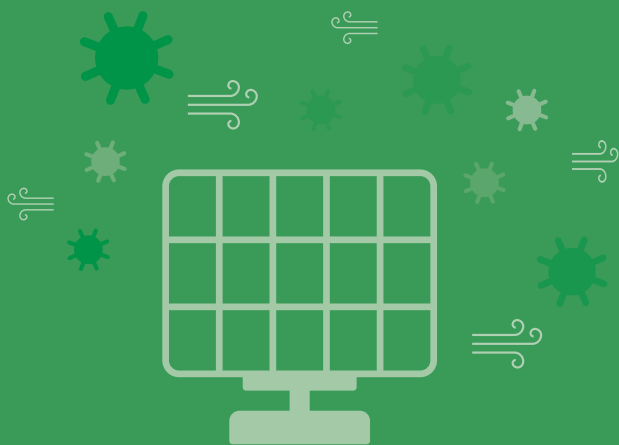
* Percentage of active population.

Sources: Eurostat, Labour Force Survey (LFS), July 2017
Methodology and Notes: See Appendix 13 – No 3



Environment Indicators in the EU

PART
4



Summary

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4.1 Gases Emissions

4.1.1 GHGs Emissions

EU-28 AND MEMBER STATES – TOTAL

| Million ton CO ₂ equiv. | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|------------------------------------|---------|---------|---------|---------|---------|---------|
| EU-28 | 5 381.4 | 5 270.8 | 5 345.2 | 4 909.5 | 4 423.7 | 4 451.8 |
| Index 1995 | 100.0% | 97.9% | 99.3% | 91.2% | 82.2% | 82.7% |
| BE | 157.3 | 154.2 | 148.7 | 136.6 | 118.1 | 121.6 |
| BG | 75.3 | 59.6 | 64.3 | 60.8 | 58.0 | 62.0 |
| CZ | 157.6 | 150.0 | 148.6 | 140.6 | 127.5 | 128.8 |
| DK | 80.1 | 73.1 | 68.9 | 65.6 | 53.5 | 51.0 |
| DE | 1 135.7 | 1 062.2 | 1 014.9 | 966.0 | 928.8 | 926.5 |
| EE | 20.3 | 17.4 | 19.3 | 21.3 | 21.2 | 18.1 |
| IE | 60.9 | 70.9 | 72.5 | 64.0 | 60.0 | 62.4 |
| EL | 111.8 | 128.9 | 138.9 | 120.9 | 102.2 | 98.6 |
| ES | 335.2 | 395.8 | 451.6 | 369.6 | 338.3 | 350.4 |
| FR | 554.6 | 566.4 | 569.1 | 527.7 | 470.0 | 474.6 |
| HR | 22.6 | 25.5 | 29.6 | 27.6 | 23.4 | 23.9 |
| IT | 536.8 | 560.9 | 588.3 | 514.1 | 432.5 | 442.8 |
| CY | 7.9 | 9.2 | 10.2 | 10.4 | 9.2 | 9.2 |
| LV | 12.8 | 10.4 | 11.5 | 12.6 | 11.5 | 11.6 |
| LT | 22.4 | 19.7 | 23.2 | 20.9 | 20.1 | 20.3 |
| LU | 10.6 | 10.6 | 14.3 | 13.5 | 12.0 | 11.7 |
| HU | 76.0 | 74.2 | 76.6 | 66.1 | 58.4 | 61.6 |
| MT | 2.9 | 3.0 | 3.3 | 3.3 | 3.3 | 2.6 |
| NL | 239.2 | 229.7 | 225.4 | 224.5 | 198.5 | 206.7 |
| AT | 81.2 | 82.2 | 94.6 | 87.1 | 78.4 | 81.0 |
| PL | 439.7 | 391.4 | 399.8 | 408.4 | 384.7 | 387.7 |
| PT | 71.7 | 84.5 | 88.6 | 72.1 | 67.4 | 72.1 |
| RO | 181.7 | 140.6 | 146.8 | 121.4 | 116.0 | 117.8 |
| SI | 18.8 | 19.2 | 20.6 | 19.7 | 16.7 | 16.9 |
| SK | 54.5 | 49.9 | 51.5 | 46.7 | 40.8 | 41.4 |
| FI | 72.7 | 71.1 | 70.9 | 77.3 | 61.1 | 57.5 |
| SE | 75.2 | 70.7 | 68.8 | 66.7 | 56.1 | 55.9 |
| UK | 765.8 | 739.8 | 724.5 | 643.9 | 555.8 | 536.9 |

* GHG emissions without LULUCF, with indirect CO₂ and including international aviation.

Source: EEA_UNFCCC v_20 June 2017

Methodology and Notes: [See Appendix 13 – No 4](#)

4.1.1 GHGs Emissions

EU-28 AND MEMBER STATES – FUEL COMBUSTION

| | 2015 | | | | | | | | |
|-----------|----------------------------|-------------------|---|-----------|---------------------------|-------------|----------------------------------|---------------|---|
| | Fuel Combustion Activities | Energy Industries | Manufacturing Industries and Construction | Transport | Commercial/ Institutional | Residential | Agriculture/ Forestry/ Fisheries | Other Sectors | Other Combustion and Fugitive Emissions |
| EU-28 | 3358.0 | 1242.0 | 483.4 | 905.9 | 156.3 | 395.3 | 78.8 | 7.0 | 89.3 |
| Share (%) | 75.43% | 27.90% | 10.86% | 20.35% | 3.51% | 8.88% | 1.77% | 0.16% | 2.01% |
| BE | 86.3 | 21.3 | 13.6 | 26.5 | 5.8 | 16.2 | 2.1 | 0.1 | 0.6 |
| BG | 45.6 | 30.3 | 2.9 | 9.4 | 0.3 | 1.0 | 0.5 | 0.1 | 1.2 |
| CZ | 98.0 | 53.6 | 9.9 | 17.7 | 2.6 | 8.1 | 1.2 | 0.4 | 4.4 |
| DK | 34.5 | 12.8 | 3.9 | 12.3 | 0.8 | 2.2 | 1.8 | 0.2 | 0.4 |
| DE | 762.2 | 335.4 | 127.1 | 160.8 | 34.6 | 86.4 | 6.3 | 1.0 | 10.7 |
| EE | 15.9 | 12.2 | 0.5 | 2.3 | 0.1 | 0.3 | 0.4 | 0.0 | 0.0 |
| IE | 36.5 | 11.8 | 4.5 | 11.8 | 1.7 | 6.0 | 0.6 | 0.0 | 0.0 |
| EL | 71.0 | 40.9 | 5.2 | 17.1 | 0.7 | 5.2 | 0.6 | 0.2 | 1.1 |
| ES | 255.5 | 86.2 | 41.2 | 83.4 | 11.2 | 17.2 | 11.4 | 0.3 | 4.6 |
| FR | 316.9 | 42.1 | 50.5 | 132.5 | 25.3 | 50.1 | 12.1 | 0.0 | 4.2 |
| HR | 16.7 | 4.8 | 2.2 | 6.0 | 0.6 | 1.9 | 0.7 | 0.0 | 0.5 |
| IT | 354.2 | 105.9 | 52.6 | 106.0 | 23.4 | 50.7 | 7.7 | 0.5 | 7.5 |
| CY | 6.0 | 3.0 | 0.5 | 1.9 | 0.1 | 0.4 | 0.1 | 0.0 | 0.0 |
| LV | 7.1 | 1.8 | 0.7 | 3.1 | 0.5 | 0.5 | 0.4 | 0.0 | 0.1 |
| LT | 11.1 | 3.2 | 1.2 | 5.1 | 0.3 | 0.8 | 0.2 | 0.0 | 0.3 |
| LU | 8.9 | 0.5 | 1.1 | 5.7 | 0.5 | 1.1 | 0.0 | 0.0 | 0.0 |
| HU | 43.3 | 13.9 | 4.3 | 12.2 | 3.1 | 7.6 | 1.4 | 0.0 | 0.8 |
| MT | 1.8 | 0.9 | 0.0 | 0.6 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| NL | 161.0 | 68.4 | 24.1 | 31.2 | 7.6 | 16.8 | 10.0 | 0.2 | 2.8 |
| AT | 53.4 | 10.9 | 10.5 | 22.6 | 1.9 | 6.1 | 0.9 | 0.1 | 0.5 |
| PL | 316.1 | 163.6 | 28.1 | 46.6 | 8.0 | 36.6 | 10.4 | 0.0 | 22.9 |
| PT | 48.2 | 18.4 | 7.9 | 16.2 | 1.1 | 2.1 | 1.1 | 0.1 | 1.3 |
| RO | 80.1 | 29.7 | 12.5 | 15.7 | 2.0 | 7.3 | 1.0 | 0.5 | 11.4 |
| SI | 13.4 | 4.6 | 1.6 | 5.4 | 0.4 | 0.9 | 0.2 | 0.0 | 0.4 |
| SK | 27.4 | 7.7 | 6.8 | 6.7 | 1.5 | 2.9 | 0.3 | 0.0 | 1.6 |
| FI | 40.8 | 16.2 | 8.4 | 11.1 | 1.0 | 1.5 | 1.4 | 1.1 | 0.1 |
| SE | 39.0 | 9.0 | 7.6 | 18.2 | 0.7 | 1.0 | 1.4 | 0.2 | 0.9 |
| UK | 407.2 | 133.0 | 53.9 | 117.8 | 20.4 | 64.4 | 4.7 | 2.0 | 11.0 |

Source: EEA_UNFCCC v_20 June 2017

Methodology and Notes: See Appendix 13 – No 4

4.1.1 GHGs Emissions

EU-28 AND MEMBER STATES –
OTHER THAN FUEL COMBUSTION

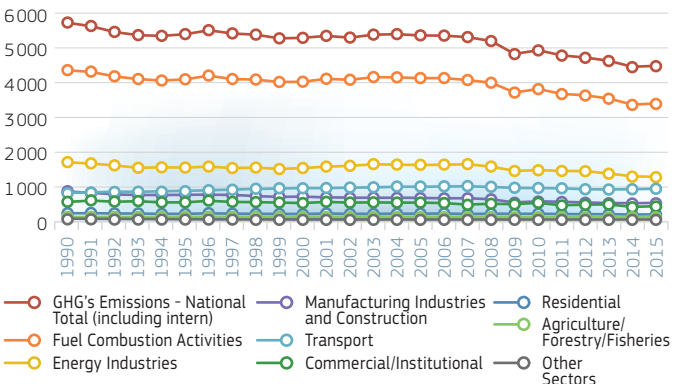
| Million ton CO ₂ equiv. | 2015 | | | | |
|------------------------------------|--------------------------------------|-------------|------------------|--------------------------|------------------------|
| | Industrial Processes and Solvent Use | Agriculture | Waste and Others | Indirect CO ₂ | International aviation |
| EU-28 | 373.9 | 436.7 | 139.3 | 1.7 | 142.2 |
| Share (%) | 8.40% | 9.81% | 3.13% | 0.04% | 3.19% |
| BE | 19.5 | 10.0 | 1.6 | 0.0 | 4.2 |
| BG | 5.7 | 5.9 | 4.2 | 0.0 | 0.5 |
| CZ | 15.4 | 8.5 | 5.3 | 0.8 | 0.9 |
| DK | 2.0 | 10.3 | 1.2 | 0.4 | 2.7 |
| DE | 61.5 | 67.0 | 11.2 | 0.0 | 24.5 |
| EE | 0.5 | 1.3 | 0.3 | 0.0 | 0.1 |
| IE | 3.1 | 19.2 | 1.0 | 0.0 | 2.5 |
| EL | 11.9 | 8.3 | 4.5 | 0.0 | 2.9 |
| ES | 30.8 | 36.0 | 13.5 | 0.0 | 14.7 |
| FR | 44.5 | 78.4 | 17.4 | 0.0 | 17.5 |
| HR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| IT | 30.0 | 30.0 | 18.8 | 0.0 | 9.8 |
| CY | 1.3 | 0.6 | 0.5 | 0.0 | 0.8 |
| LV | 0.8 | 2.7 | 0.7 | 0.0 | 0.3 |
| LT | 3.4 | 4.6 | 1.0 | 0.0 | 0.2 |
| LU | 0.6 | 0.7 | 0.1 | 0.0 | 1.4 |
| HU | 7.3 | 6.7 | 3.8 | 0.0 | 0.5 |
| MT | 0.2 | 0.1 | 0.1 | 0.0 | 0.4 |
| NL | 11.5 | 19.2 | 3.4 | 0.2 | 11.5 |
| AT | 16.7 | 7.2 | 1.7 | 0.0 | 2.1 |
| PL | 28.5 | 29.6 | 11.6 | 0.0 | 1.9 |
| PT | 7.6 | 6.6 | 6.4 | 0.2 | 3.2 |
| RO | 11.9 | 18.6 | 5.8 | 0.0 | 1.4 |
| SI | 1.2 | 1.7 | 0.5 | 0.0 | 0.1 |
| SK | 9.3 | 3.0 | 1.5 | 0.0 | 0.1 |
| FI | 6.1 | 6.5 | 2.1 | 0.1 | 2.0 |
| SE | 6.4 | 6.9 | 1.4 | 0.0 | 2.2 |
| UK | 33.5 | 44.6 | 18.2 | 0.0 | 33.4 |

4.1.1 GHGs Emissions

EU-28 – TOTAL AND FUEL COMBUSTION

| Million ton CO ₂ equiv. | GHG Emissions - National Total (including intern) | Fuel Combustion Activities | Energy Industries | Manufacturing Industries and Construction | Transport | Commercial/Institutional | Residential | Agriculture/Forestry/Fisheries | Other Sectors |
|------------------------------------|---|----------------------------|-------------------|---|-----------|--------------------------|-------------|--------------------------------|---------------|
| 1990 | 5716 | 4337 | 1679.6 | 836.4 | 781.8 | 200.3 | 526.9 | 97.2 | 23.3 |
| 1991 | 5614 | 4295 | 1642.3 | 789.4 | 789.3 | 210.3 | 569.3 | 96.2 | 19.4 |
| 1992 | 5443 | 4161 | 1582.3 | 752.8 | 813.9 | 193.4 | 534.4 | 93.2 | 16.8 |
| 1993 | 5347 | 4082 | 1515.2 | 724.0 | 818.9 | 191.9 | 550.1 | 96.3 | 14.7 |
| 1994 | 5328 | 4040 | 1524.7 | 727.4 | 824.1 | 178.7 | 514.4 | 96.0 | 14.3 |
| 1995 | 5381 | 4071 | 1520.7 | 743.5 | 837.5 | 181.8 | 517.6 | 95.5 | 13.6 |
| 1996 | 5495 | 4179 | 1550.4 | 732.3 | 864.7 | 199.8 | 565.3 | 98.1 | 12.1 |
| 1997 | 5399 | 4077 | 1503.5 | 724.2 | 876.4 | 184.7 | 530.8 | 95.1 | 12.2 |
| 1998 | 5360 | 4063 | 1521.0 | 692.6 | 904.2 | 182.7 | 519.3 | 92.2 | 11.6 |
| 1999 | 5256 | 3998 | 1478.3 | 671.7 | 923.1 | 182.2 | 505.4 | 92.0 | 10.5 |
| 2000 | 5271 | 4005 | 1509.1 | 679.5 | 918.0 | 175.9 | 491.2 | 89.9 | 9.7 |
| 2001 | 5325 | 4086 | 1550.5 | 656.1 | 931.4 | 190.8 | 527.7 | 90.0 | 8.9 |
| 2002 | 5279 | 4057 | 1567.5 | 640.6 | 942.2 | 178.7 | 505.4 | 88.2 | 8.9 |
| 2003 | 5367 | 4137 | 1618.0 | 648.9 | 951.5 | 179.9 | 517.8 | 88.6 | 9.6 |
| 2004 | 5375 | 4132 | 1604.8 | 646.6 | 971.1 | 184.6 | 509.6 | 89.1 | 10.6 |
| 2005 | 5345 | 4108 | 1597.9 | 635.1 | 970.7 | 185.1 | 506.1 | 89.7 | 10.7 |
| 2006 | 5338 | 4107 | 1608.9 | 627.7 | 978.5 | 190.6 | 495.4 | 86.5 | 10.6 |
| 2007 | 5294 | 4052 | 1623.2 | 629.5 | 988.4 | 169.3 | 442.8 | 83.4 | 10.9 |
| 2008 | 5179 | 3973 | 1547.2 | 600.5 | 964.0 | 189.7 | 474.4 | 84.7 | 10.0 |
| 2009 | 4804 | 3691 | 1421.1 | 503.4 | 936.8 | 181.2 | 461.1 | 82.7 | 8.8 |
| 2010 | 4910 | 3790 | 1445.2 | 537.4 | 931.3 | 189.5 | 497.5 | 84.9 | 8.5 |
| 2011 | 4759 | 3643 | 1422.3 | 523.4 | 919.2 | 170.3 | 421.6 | 83.3 | 8.2 |
| 2012 | 4693 | 3601 | 1416.4 | 499.4 | 890.7 | 167.2 | 444.1 | 81.8 | 7.4 |
| 2013 | 4599 | 3513 | 1342.1 | 489.4 | 883.9 | 168.8 | 447.8 | 81.8 | 7.2 |
| 2014 | 4424 | 3329 | 1254.3 | 481.6 | 891.6 | 150.7 | 375.1 | 79.0 | 6.9 |
| 2015 | 4452 | 3358 | 1242.0 | 483.4 | 905.9 | 156.3 | 395.3 | 78.8 | 7.0 |

GHGs EMISSIONS – EU-28 – TOTAL AND FUEL COMBUSTION (MILLION ton CO₂ EQUIV.)



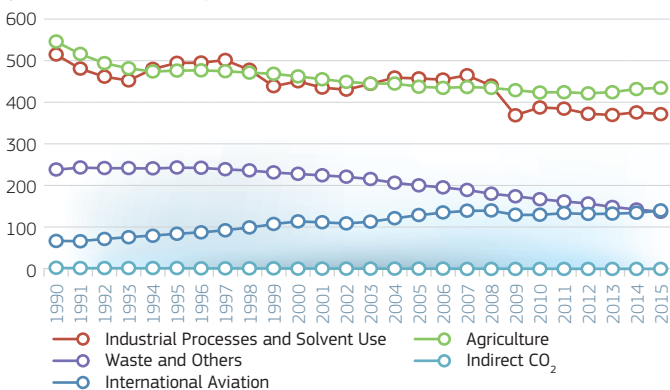
Source: EEA, UNFCCC v_20 June 2017

Methodology and Notes: See Appendix 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 | Indirect CO ₂ | International aviation |
|------------------------------------|--------------------------------------|-------------|-----------------|--------------------------|------------------------|
| 1990 | 516.9 | 548.3 | 240.9 | 4.4 | 69.3 |
| 1991 | 482.9 | 518.3 | 245.5 | 4.3 | 68.2 |
| 1992 | 463.7 | 496.3 | 244.0 | 4.2 | 73.8 |
| 1993 | 455.0 | 483.6 | 244.1 | 4.0 | 78.1 |
| 1994 | 482.5 | 476.6 | 243.9 | 3.8 | 81.6 |
| 1995 | 497.2 | 478.1 | 245.3 | 3.7 | 86.1 |
| 1996 | 498.0 | 478.8 | 245.2 | 3.6 | 90.2 |
| 1997 | 504.2 | 477.2 | 241.8 | 3.5 | 94.6 |
| 1998 | 480.1 | 473.3 | 238.7 | 3.3 | 101.7 |
| 1999 | 440.6 | 470.8 | 233.6 | 3.0 | 109.8 |
| 2000 | 452.5 | 464.5 | 230.7 | 2.7 | 115.9 |
| 2001 | 437.1 | 457.9 | 227.0 | 2.6 | 114.1 |
| 2002 | 432.9 | 451.3 | 223.6 | 2.4 | 111.3 |
| 2003 | 446.5 | 447.1 | 217.7 | 2.4 | 115.8 |
| 2004 | 461.5 | 446.8 | 209.1 | 2.3 | 123.6 |
| 2005 | 460.0 | 439.8 | 203.0 | 2.4 | 131.7 |
| 2006 | 456.6 | 436.9 | 197.9 | 2.3 | 137.3 |
| 2007 | 467.3 | 439.1 | 191.4 | 2.2 | 141.9 |
| 2008 | 442.6 | 436.4 | 182.9 | 2.1 | 142.6 |
| 2009 | 371.1 | 431.2 | 176.2 | 2.0 | 132.0 |
| 2010 | 390.0 | 425.5 | 169.7 | 2.0 | 132.3 |
| 2011 | 386.7 | 426.3 | 164.0 | 1.9 | 136.6 |
| 2012 | 374.2 | 423.8 | 158.8 | 1.8 | 134.0 |
| 2013 | 371.6 | 426.7 | 150.6 | 1.7 | 135.2 |
| 2014 | 378.0 | 433.9 | 144.4 | 1.6 | 137.3 |
| 2015 | 373.9 | 436.7 | 139.3 | 1.7 | 142.2 |

GHGs EMISSIONS – EU-28 – OTHER THAN FUEL COMBUSTION
(MILLION ton CO₂ EQUIV.)

Source: EEA, UNFCCC v_20 June 2017

Methodology and Notes: See Appendix 13 – No 4

4.1.2 CO₂ Emissions *

EU-28 AND MEMBER STATES – TOTAL

| Million ton CO ₂ | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|-----------------------------|--------|--------|--------|--------|--------|--------|
| EU-28 | 4288.3 | 4280.2 | 4423.0 | 4063.8 | 3606.4 | 3640.6 |
| Index 1995 | 100.0% | 99.8% | 103.1% | 94.8% | 84.1% | 84.9% |
| BE | 128.7 | 131.2 | 128.9 | 117.5 | 100.6 | 104.4 |
| BG | 58.4 | 45.4 | 51.1 | 48.3 | 45.7 | 48.8 |
| CZ | 132.0 | 127.5 | 126.6 | 118.1 | 104.5 | 105.5 |
| DK | 64.6 | 57.5 | 54.8 | 52.1 | 40.6 | 38.2 |
| DE | 952.9 | 918.4 | 888.6 | 856.4 | 819.2 | 816.4 |
| EE | 18.3 | 15.4 | 17.3 | 19.1 | 19.0 | 16.0 |
| IE | 36.9 | 47.0 | 50.5 | 43.9 | 38.9 | 40.9 |
| EL | 89.6 | 105.5 | 116.5 | 99.9 | 81.5 | 77.8 |
| ES | 274.5 | 322.0 | 382.4 | 297.1 | 268.6 | 286.3 |
| FR | 408.4 | 429.0 | 439.9 | 404.0 | 348.1 | 353.9 |
| HR | 17.2 | 20.0 | 23.7 | 21.5 | 18.1 | 18.3 |
| IT | 453.2 | 474.2 | 500.4 | 434.3 | 356.2 | 366.9 |
| CY | 6.7 | 7.9 | 8.8 | 8.8 | 7.7 | 7.6 |
| LV | 9.3 | 7.2 | 8.0 | 8.9 | 7.5 | 7.6 |
| LT | 15.1 | 11.9 | 14.2 | 13.9 | 13.1 | 13.4 |
| LU | 9.7 | 9.7 | 13.4 | 12.5 | 11.0 | 10.7 |
| HU | 62.2 | 59.3 | 61.3 | 52.9 | 44.6 | 47.3 |
| MT | 2.7 | 2.8 | 3.0 | 2.9 | 2.8 | 2.1 |
| NL | 180.9 | 181.9 | 188.4 | 193.0 | 169.1 | 176.7 |
| AT | 65.5 | 68.0 | 81.3 | 74.6 | 66.2 | 68.9 |
| PL | 362.1 | 317.9 | 322.6 | 333.6 | 309.3 | 312.5 |
| PT | 56.4 | 67.9 | 71.6 | 55.4 | 50.9 | 55.3 |
| RO | 126.1 | 93.4 | 100.0 | 82.8 | 77.8 | 79.4 |
| SI | 15.3 | 15.5 | 17.0 | 16.4 | 13.6 | 13.7 |
| SK | 44.8 | 41.3 | 42.9 | 38.7 | 33.6 | 34.0 |
| FI | 59.2 | 58.2 | 58.4 | 65.7 | 49.7 | 46.4 |
| SE | 60.7 | 56.7 | 55.9 | 55.1 | 45.5 | 45.5 |
| UK | 577.0 | 587.7 | 595.5 | 536.2 | 463.2 | 446.2 |

* CO₂ emissions without LULUCF, with indirect CO₂ and including international aviation.

Source: EEA, UNFCCC v_20 June 2017

Methodology and Notes: See Appendix 13 – No 4

4.1.2 CO₂ EmissionsEU-28 AND MEMBER STATES –
FUEL COMBUSTION

| Million ton CO ₂ | 2015 | | | | | | | | |
|-----------------------------|----------------------------|-------------------|---|-----------|--------------------------|-------------|--------------------------------|---------------|---|
| | Fuel Combustion Activities | Energy Industries | Manufacturing Industries and Construction | Transport | Commercial/Institutional | Residential | Agriculture/Forestry/Fisheries | Other Sectors | Other Combustion and Fugitive Emissions |
| EU-28 | 3241.2 | 1230.4 | 477.0 | 895.3 | 154.9 | 377.4 | 73.0 | 6.9 | 26.4 |
| Share (%) | 89.0% | 33.8% | 13.1% | 24.6% | 4.3% | 10.4% | 2.0% | 0.2% | 0.7% |
| BE | 84.5 | 21.1 | 13.4 | 26.2 | 5.7 | 16.0 | 2.0 | 0.1 | 0.1 |
| BG | 43.8 | 30.2 | 2.8 | 9.3 | 0.3 | 0.7 | 0.5 | 0.1 | 0.0 |
| CZ | 92.1 | 53.3 | 9.8 | 17.3 | 2.6 | 7.2 | 1.2 | 0.4 | 0.2 |
| DK | 33.7 | 12.7 | 3.8 | 12.2 | 0.8 | 2.0 | 1.8 | 0.2 | 0.2 |
| DE | 744.3 | 330.0 | 126.0 | 159.1 | 34.5 | 85.4 | 5.8 | 1.0 | 2.6 |
| EE | 15.6 | 12.2 | 0.5 | 2.3 | 0.1 | 0.2 | 0.3 | 0.0 | 0.0 |
| IE | 36.0 | 11.6 | 4.5 | 11.7 | 1.7 | 5.9 | 0.5 | 0.0 | 0.0 |
| EL | 69.2 | 40.8 | 5.2 | 16.8 | 0.7 | 5.1 | 0.5 | 0.2 | 0.0 |
| ES | 250.8 | 85.7 | 40.1 | 82.5 | 11.0 | 16.2 | 11.3 | 0.3 | 3.7 |
| FR | 310.2 | 41.8 | 50.0 | 130.7 | 25.2 | 48.4 | 11.1 | 0.0 | 3.0 |
| HR | 15.9 | 4.8 | 2.2 | 5.9 | 0.6 | 1.5 | 0.6 | 0.0 | 0.3 |
| IT | 341.7 | 105.3 | 51.5 | 104.8 | 22.9 | 47.1 | 6.9 | 0.5 | 2.6 |
| CY | 6.0 | 3.0 | 0.5 | 1.8 | 0.1 | 0.4 | 0.1 | 0.0 | 0.0 |
| LV | 6.7 | 1.7 | 0.6 | 3.1 | 0.4 | 0.4 | 0.4 | 0.0 | 0.0 |
| LT | 10.4 | 3.1 | 1.2 | 5.0 | 0.3 | 0.6 | 0.2 | 0.0 | 0.0 |
| LU | 8.8 | 0.5 | 1.1 | 5.6 | 0.5 | 1.1 | 0.0 | 0.0 | 0.0 |
| HU | 41.6 | 13.8 | 4.3 | 12.0 | 3.1 | 6.9 | 1.4 | 0.0 | 0.1 |
| MT | 1.8 | 0.9 | 0.0 | 0.6 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| NL | 158.0 | 67.9 | 24.0 | 30.8 | 7.5 | 16.3 | 9.0 | 0.2 | 2.1 |
| AT | 52.2 | 10.8 | 10.3 | 22.4 | 1.8 | 5.8 | 0.8 | 0.0 | 0.2 |
| PL | 290.8 | 162.7 | 27.8 | 46.0 | 7.9 | 33.6 | 9.3 | 0.0 | 3.5 |
| PT | 47.2 | 18.2 | 7.7 | 16.0 | 1.1 | 1.8 | 1.0 | 0.1 | 1.2 |
| RO | 68.1 | 29.6 | 12.4 | 15.5 | 2.0 | 6.2 | 1.0 | 0.4 | 0.9 |
| SI | 12.8 | 4.5 | 1.6 | 5.3 | 0.4 | 0.7 | 0.2 | 0.0 | 0.1 |
| SK | 25.4 | 7.6 | 6.7 | 6.6 | 1.5 | 2.7 | 0.3 | 0.0 | 0.0 |
| FI | 40.0 | 16.0 | 8.3 | 11.0 | 0.9 | 1.3 | 1.3 | 1.1 | 0.1 |
| SE | 37.8 | 8.7 | 7.4 | 18.0 | 0.7 | 0.7 | 1.3 | 0.2 | 0.8 |
| UK | 395.7 | 131.7 | 53.0 | 116.5 | 20.4 | 63.4 | 4.1 | 2.0 | 4.6 |

Source: EEA, UNFCCC v_20 June 2017

Methodology and Notes: See Appendix 13 – No 4

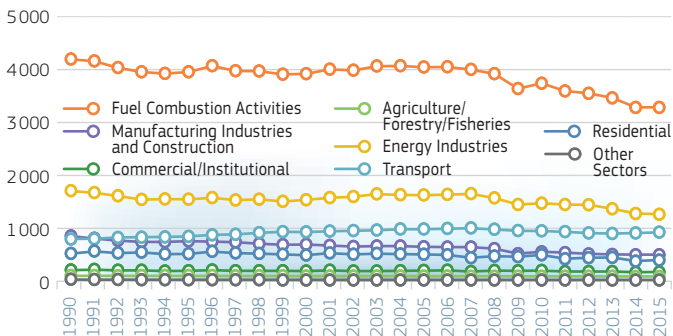
4.1.2 CO₂ EmissionsEU-28 AND MEMBER STATES –
OTHER THAN FUEL COMBUSTION

| Million ton CO ₂ | 2015 | | | | |
|-----------------------------|--------------------------------------|-------------|------------------|--------------------------|------------------------|
| | Industrial Processes and Product Use | Agriculture | Waste and Others | Indirect CO ₂ | International aviation |
| EU-28 | 243.4 | 10.3 | 3.2 | 1.7 | 140.9 |
| Share (%) | 6.7% | 0.3% | 0.1% | 0.0% | 3.9% |
| BE | 15.3 | 0.2 | 0.3 | 0.0 | 4.2 |
| BG | 4.4 | 0.1 | 0.0 | 0.0 | 0.5 |
| CZ | 11.2 | 0.3 | 0.1 | 0.8 | 0.9 |
| DK | 1.2 | 0.2 | 0.0 | 0.4 | 2.6 |
| DE | 44.7 | 3.1 | 0.0 | 0.0 | 24.3 |
| EE | 0.3 | 0.0 | 0.0 | 0.0 | 0.1 |
| IE | 2.0 | 0.4 | 0.0 | 0.0 | 2.5 |
| EL | 5.7 | 0.0 | 0.0 | 0.0 | 2.9 |
| ES | 20.4 | 0.5 | 0.0 | 0.0 | 14.6 |
| FR | 22.9 | 2.0 | 1.5 | 0.0 | 17.3 |
| HR | 1.9 | 0.1 | 0.0 | 0.0 | 0.4 |
| IT | 15.0 | 0.4 | 0.1 | 0.0 | 9.7 |
| CY | 0.9 | 0.0 | 0.0 | 0.0 | 0.8 |
| LV | 0.5 | 0.0 | 0.0 | 0.0 | 0.3 |
| LT | 2.6 | 0.1 | 0.0 | 0.0 | 0.2 |
| LU | 0.5 | 0.0 | 0.0 | 0.0 | 1.4 |
| HU | 4.8 | 0.2 | 0.2 | 0.0 | 0.5 |
| MT | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 |
| NL | 7.1 | 0.1 | 0.0 | 0.2 | 11.4 |
| AT | 14.4 | 0.1 | 0.0 | 0.0 | 2.1 |
| PL | 18.5 | 0.8 | 0.5 | 0.0 | 1.9 |
| PT | 4.7 | 0.1 | 0.0 | 0.2 | 3.1 |
| RO | 9.8 | 0.1 | 0.0 | 0.0 | 1.4 |
| SI | 0.7 | 0.0 | 0.0 | 0.0 | 0.1 |
| SK | 8.3 | 0.1 | 0.0 | 0.0 | 0.1 |
| FI | 4.2 | 0.2 | 0.0 | 0.1 | 2.0 |
| SE | 5.3 | 0.1 | 0.1 | 0.0 | 2.2 |
| UK | 15.9 | 1.2 | 0.3 | 0.0 | 33.1 |

4.1.2 CO₂ Emissions

EU-28 – TOTAL AND FUEL COMBUSTION

| Million ton CO ₂ | GHG Emissions - National Total (including intern) | Fuel Combustion Activities | Energy Industries | Manufacturing Industries and Construction | Transport | Commercial/Institutional | Residential | Agriculture/Forestry/Fisheries | Other Sectors |
|-----------------------------|---|----------------------------|-------------------|---|-----------|--------------------------|-------------|--------------------------------|---------------|
| 1990 | 4530 | 4111.6 | 1669.9 | 828.9 | 767.4 | 197.7 | 503.4 | 92.1 | 22.8 |
| 1991 | 4469 | 4080.8 | 1632.7 | 782.2 | 775.1 | 208.2 | 544.4 | 91.2 | 19.0 |
| 1992 | 4332 | 3954.7 | 1573.0 | 745.8 | 799.3 | 191.8 | 511.8 | 88.2 | 16.4 |
| 1993 | 4252 | 3878.1 | 1506.2 | 717.4 | 803.7 | 190.3 | 526.7 | 91.0 | 14.4 |
| 1994 | 4243 | 3848.3 | 1515.6 | 720.7 | 808.4 | 177.4 | 493.4 | 90.6 | 14.1 |
| 1995 | 4288 | 3879.1 | 1511.4 | 736.5 | 820.8 | 180.3 | 497.0 | 90.1 | 13.4 |
| 1996 | 4395 | 3989.0 | 1540.9 | 725.3 | 847.1 | 198.3 | 543.2 | 92.4 | 11.9 |
| 1997 | 4310 | 3894.4 | 1494.2 | 717.2 | 858.4 | 183.2 | 510.4 | 89.5 | 12.0 |
| 1998 | 4309 | 3889.9 | 1511.7 | 685.4 | 885.8 | 181.3 | 500.1 | 86.8 | 11.4 |
| 1999 | 4248 | 3830.6 | 1469.2 | 664.7 | 905.6 | 180.8 | 486.8 | 86.7 | 10.3 |
| 2000 | 4280 | 3844.6 | 1499.8 | 672.3 | 902.9 | 174.5 | 473.7 | 84.6 | 9.6 |
| 2001 | 4348 | 3925.9 | 1540.9 | 648.8 | 917.0 | 189.5 | 510.1 | 84.7 | 8.8 |
| 2002 | 4323 | 3904.6 | 1557.7 | 633.2 | 928.6 | 177.5 | 489.3 | 82.9 | 8.8 |
| 2003 | 4419 | 3986.6 | 1607.6 | 641.2 | 938.4 | 178.6 | 500.7 | 83.3 | 9.4 |
| 2004 | 4439 | 3988.0 | 1594.3 | 638.6 | 958.3 | 183.3 | 493.2 | 83.8 | 10.4 |
| 2005 | 4423 | 3968.2 | 1587.4 | 627.1 | 958.9 | 183.7 | 488.9 | 84.2 | 10.5 |
| 2006 | 4435 | 3972.0 | 1598.0 | 620.0 | 966.9 | 189.2 | 477.9 | 81.1 | 10.3 |
| 2007 | 4393 | 3920.5 | 1612.1 | 621.8 | 976.9 | 167.8 | 425.0 | 77.8 | 10.7 |
| 2008 | 4294 | 3841.5 | 1536.2 | 593.0 | 952.9 | 188.2 | 455.2 | 78.9 | 9.8 |
| 2009 | 3945 | 3566.4 | 1410.3 | 497.1 | 926.4 | 179.6 | 441.8 | 76.8 | 8.6 |
| 2010 | 4064 | 3663.4 | 1433.8 | 530.7 | 920.9 | 187.9 | 476.8 | 78.8 | 8.3 |
| 2011 | 3924 | 3520.3 | 1410.8 | 516.9 | 909.0 | 168.8 | 403.8 | 77.2 | 8.1 |
| 2012 | 3865 | 3476.6 | 1404.5 | 493.0 | 880.5 | 165.7 | 424.9 | 75.7 | 7.3 |
| 2013 | 3779 | 3392.4 | 1330.3 | 483.1 | 873.7 | 167.4 | 428.3 | 75.7 | 7.1 |
| 2014 | 3606 | 3212.6 | 1242.8 | 475.4 | 881.2 | 149.4 | 357.9 | 73.2 | 6.8 |
| 2015 | 3641 | 3241.2 | 1230.4 | 477.0 | 895.3 | 154.9 | 377.4 | 73.0 | 6.9 |

CO₂ EMISSIONS – EU-28 – TOTAL AND FUEL COMBUSTION
(MILLION ton CO₂)

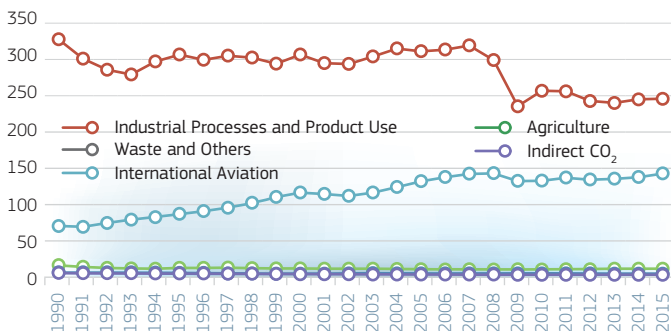
Source: EEA, UNFCCC v_20 June 2017

Methodology and Notes: See Appendix 13 – No 4

4.1.2 CO₂ Emissions

EU-28 – OTHER THAN FUEL COMBUSTION

| Million ton CO ₂ | Industrial Processes and Product Use | Agriculture | Waste and Others | Indirect CO ₂ | International aviation |
|-----------------------------|--------------------------------------|-------------|------------------|--------------------------|------------------------|
| 1990 | 325.3 | 15.2 | 5.2 | 4.4 | 68.6 |
| 1991 | 298.4 | 12.9 | 5.2 | 4.3 | 67.6 |
| 1992 | 283.3 | 11.3 | 5.3 | 4.2 | 73.1 |
| 1993 | 277.0 | 10.7 | 5.1 | 4.0 | 77.4 |
| 1994 | 294.8 | 10.2 | 4.9 | 3.8 | 80.8 |
| 1995 | 304.2 | 11.3 | 4.6 | 3.7 | 85.4 |
| 1996 | 297.0 | 11.2 | 4.5 | 3.6 | 89.4 |
| 1997 | 302.9 | 11.6 | 3.9 | 3.5 | 93.7 |
| 1998 | 300.2 | 11.0 | 3.8 | 3.3 | 100.8 |
| 1999 | 291.6 | 10.7 | 3.4 | 3.0 | 108.7 |
| 2000 | 304.1 | 10.5 | 3.4 | 2.7 | 114.8 |
| 2001 | 292.5 | 10.2 | 3.5 | 2.6 | 113.1 |
| 2002 | 291.3 | 10.2 | 3.7 | 2.4 | 110.3 |
| 2003 | 301.5 | 10.1 | 4.0 | 2.4 | 114.8 |
| 2004 | 312.6 | 9.8 | 3.7 | 2.3 | 122.4 |
| 2005 | 308.8 | 9.4 | 3.8 | 2.4 | 130.5 |
| 2006 | 311.2 | 9.1 | 3.8 | 2.3 | 136.1 |
| 2007 | 316.7 | 9.4 | 3.8 | 2.2 | 140.6 |
| 2008 | 296.5 | 9.0 | 3.7 | 2.1 | 141.3 |
| 2009 | 233.2 | 9.3 | 3.6 | 2.0 | 130.8 |
| 2010 | 254.6 | 9.1 | 3.7 | 2.0 | 131.1 |
| 2011 | 253.7 | 9.5 | 3.6 | 1.9 | 135.3 |
| 2012 | 240.3 | 9.4 | 3.6 | 1.8 | 132.8 |
| 2013 | 237.5 | 10.1 | 3.5 | 1.7 | 134.0 |
| 2014 | 242.5 | 10.1 | 3.5 | 1.6 | 136.0 |
| 2015 | 243.4 | 10.3 | 3.2 | 1.7 | 140.9 |

CO₂ EMISSIONS – EU-28 – OTHER THAN FUEL COMBUSTION
(MILLION ton CO₂)

Source: EEA, UNFCCC v_20 June 2017

Methodology and Notes: See Appendix 13 – No 4

4.2 Main Emissions Indicators

4.2.1 CO₂ per Capita

| kg CO ₂ /cap | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|-------------------------|--------|-------|--------|-------|-------|-------|
| EU-28 | 8899 | 8784 | 8943 | 8076 | 7114 | 7159 |
| Index 1995 | 100.0% | 98.7% | 100.5% | 90.8% | 79.9% | 80.5% |
| BE | 12701 | 12815 | 12344 | 10843 | 8996 | 9293 |
| BG | 6933 | 5543 | 6652 | 6503 | 6307 | 6780 |
| CZ | 12778 | 12408 | 12414 | 11287 | 9936 | 10007 |
| DK | 12381 | 10785 | 10125 | 9418 | 7206 | 6747 |
| DE | 11687 | 11178 | 10771 | 10470 | 10142 | 10054 |
| EE | 12607 | 11009 | 12717 | 14345 | 14464 | 12137 |
| IE | 10269 | 12443 | 12289 | 9659 | 8438 | 8839 |
| EL | 8503 | 9791 | 10622 | 8987 | 7458 | 7168 |
| ES | 6925 | 7957 | 8833 | 6390 | 5774 | 6165 |
| FR | 6885 | 7085 | 7008 | 6249 | 5278 | 5323 |
| HR | 3700 | 4445 | 5500 | 4997 | 4273 | 4325 |
| IT | 7972 | 8330 | 8646 | 7338 | 5860 | 6035 |
| CY | 10313 | 11482 | 12015 | 10793 | 8922 | 8986 |
| LV | 3702 | 3015 | 3552 | 4198 | 3749 | 3818 |
| LT | 4156 | 3382 | 4241 | 4411 | 4453 | 4583 |
| LU | 23922 | 22267 | 28987 | 24896 | 20083 | 19018 |
| HU | 6013 | 5797 | 6071 | 5285 | 4512 | 4801 |
| MT | 7147 | 7161 | 7379 | 7108 | 6621 | 4907 |
| NL | 11730 | 11464 | 11551 | 11643 | 10047 | 10455 |
| AT | 8250 | 8503 | 9917 | 8932 | 7780 | 8028 |
| PL | 9385 | 8307 | 8450 | 8773 | 8136 | 8223 |
| PT | 5631 | 6625 | 6822 | 5241 | 4882 | 5333 |
| RO | 5551 | 4159 | 4675 | 4078 | 3901 | 3995 |
| SI | 7691 | 7797 | 8505 | 8028 | 6591 | 6628 |
| SK | 8369 | 7652 | 7982 | 7174 | 6197 | 6264 |
| FI | 11601 | 11253 | 11154 | 12283 | 9123 | 8479 |
| SE | 6888 | 6393 | 6201 | 5902 | 4720 | 4669 |
| UK | 9959 | 9997 | 9896 | 8577 | 7198 | 6878 |

4.2.2 Carbon GDP Intensity

| ton CO ₂ /M€'10 | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|----------------------------|--------|--------|--------|--------|--------|--------|
| EU-28 | 444 | 384 | 361 | 317 | 273 | 270 |
| Index 1995 | 100.0% | 86.4% | 81.2% | 71.4% | 61.4% | 60.7% |
| BE | 476.4 | 421.3 | 378.4 | 321.9 | 266.1 | 272.2 |
| BG | 2438.7 | 1859.9 | 1589.7 | 1262.4 | 1147.3 | 1183.0 |
| CZ | 1260.9 | 1114.9 | 913.1 | 755.2 | 645.8 | 623.7 |
| DK | 332.6 | 255.2 | 227.7 | 214.4 | 160.0 | 148.3 |
| DE | 444.2 | 389.4 | 366.2 | 331.9 | 298.5 | 292.5 |
| EE | 2301.1 | 1446.8 | 1150.7 | 1299.7 | 1105.0 | 913.4 |
| IE | 472.2 | 377.1 | 309.4 | 262.9 | 214.5 | 178.9 |
| EL | 564.2 | 555.6 | 507.1 | 442.1 | 440.8 | 421.9 |
| ES | 386.4 | 371.0 | 373.0 | 274.8 | 259.5 | 268.0 |
| FR | 266.0 | 242.1 | 228.7 | 202.2 | 167.7 | 168.7 |
| HR | 577.5 | 566.5 | 539.3 | 477.7 | 419.9 | 416.0 |
| IT | 321.6 | 304.8 | 307.0 | 270.7 | 230.9 | 235.9 |
| CY | 563.6 | 553.9 | 516.8 | 458.1 | 440.8 | 431.1 |
| LV | 969.3 | 585.0 | 439.1 | 500.4 | 363.8 | 357.9 |
| LT | 1038.2 | 648.2 | 538.2 | 494.4 | 396.5 | 397.8 |
| LU | 420.6 | 313.6 | 375.5 | 311.1 | 244.8 | 228.3 |
| HU | 894.4 | 736.4 | 617.2 | 538.3 | 426.1 | 438.7 |
| MT | 623.1 | 516.4 | 497.6 | 445.9 | 362.5 | 252.4 |
| NL | 403.3 | 327.8 | 317.7 | 305.6 | 262.9 | 269.5 |
| AT | 299.8 | 268.2 | 294.4 | 253.2 | 215.2 | 221.8 |
| PL | 1900.3 | 1291.0 | 1125.2 | 921.9 | 765.1 | 744.4 |
| PT | 411.8 | 406.2 | 410.3 | 308.0 | 301.0 | 322.1 |
| RO | 1500.1 | 1125.4 | 910.6 | 653.0 | 565.7 | 555.2 |
| SI | 676.1 | 555.8 | 510.6 | 453.3 | 375.1 | 369.0 |
| SK | 1272.9 | 986.1 | 800.3 | 572.2 | 456.4 | 444.8 |
| FI | 479.3 | 368.1 | 325.1 | 351.3 | 266.6 | 248.0 |
| SE | 241.6 | 189.1 | 163.8 | 149.4 | 116.0 | 111.4 |
| UK | 430.8 | 375.2 | 330.9 | 292.5 | 233.9 | 220.5 |



Country Profiles

PART 5



Summary

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5.0 European Union 28

| Mtoe, unless otherwise stated | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| Production | 969.3 | 952.1 | 914.6 | 851.6 | 788.3 | 781.9 |
| Solid Fuels | 279.8 | 214.6 | 196.2 | 165.0 | 150.2 | 145.4 |
| of which Hard Coal | 174.9 | 120.7 | 100.2 | 75.0 | 61.7 | 58.2 |
| Petroleum and Products | 180.8 | 180.0 | 142.5 | 110.2 | 84.5 | 89.3 |
| of which Crude and NGL | 172.3 | 169.9 | 129.9 | 94.9 | 68.1 | 72.7 |
| Gases | 191.5 | 209.4 | 190.7 | 159.8 | 117.5 | 107.9 |
| of which Natural Gas | 191.0 | 209.2 | 190.6 | 159.8 | 117.5 | 107.9 |
| Nuclear | 227.3 | 243.8 | 257.5 | 236.6 | 226.1 | 221.2 |
| Renewables | 84.3 | 98.2 | 119.9 | 168.9 | 197.5 | 205.0 |
| Wastes, Non-Renewable | 5.7 | 6.1 | 7.8 | 11.1 | 12.5 | 13.0 |
| Net Imports | 736.8 | 827.1 | 980.2 | 953.7 | 881.2 | 902.1 |
| Solid Fuels | 78.4 | 98.3 | 125.3 | 111.7 | 123.0 | 112.4 |
| of which Hard Coal | 76.6 | 94.3 | 122.8 | 111.1 | 122.7 | 112.6 |
| Petroleum and Products | 510.8 | 533.0 | 597.9 | 557.5 | 519.5 | 534.9 |
| of which Crude and NGL | 471.4 | 501.0 | 563.7 | 522.3 | 498.0 | 528.0 |
| Gases | 145.6 | 193.5 | 254.1 | 278.0 | 231.3 | 247.3 |
| of which Natural Gas | 145.6 | 193.5 | 254.1 | 278.0 | 231.3 | 247.3 |
| Renewables | 0.3 | 0.3 | 1.5 | 5.8 | 5.9 | 6.0 |
| Electricity | 1.8 | 2.0 | 1.4 | 0.6 | 1.3 | 1.2 |
| Gross Inland Consumption | 1 675.0 | 1 730.1 | 1 830.9 | 1 764.4 | 1 607.8 | 1 627.5 |
| Solid Fuels | 365.0 | 321.3 | 318.3 | 283.3 | 269.0 | 262.7 |
| of which Hard Coal | 257.6 | 221.5 | 220.6 | 192.0 | 180.4 | 175.7 |
| Petroleum and Products | 654.5 | 662.2 | 679.4 | 610.9 | 551.8 | 560.1 |
| of which Crude and NGL | 645.5 | 673.5 | 693.7 | 617.6 | 566.6 | 597.0 |
| Gases | 336.1 | 396.2 | 445.2 | 447.1 | 343.5 | 357.9 |
| of which Natural Gas | 335.7 | 396.0 | 445.1 | 447.0 | 343.5 | 357.9 |
| Nuclear | 227.3 | 243.8 | 257.5 | 236.6 | 226.1 | 221.2 |
| Renewables | 84.6 | 98.5 | 121.3 | 174.8 | 203.1 | 211.0 |
| Electricity | 1.8 | 2.0 | 1.4 | 0.6 | 1.3 | 1.2 |
| Wastes, Non-Renewable | 5.7 | 6.1 | 7.8 | 11.1 | 12.8 | 13.3 |
| Primary Energy Consumption | 1 567.6 | 1 618.0 | 1 713.1 | 1 657.4 | 1 508.6 | 1 530.7 |
| Available for Final Consumption | 1 193.1 | 1 243.2 | 1 313.4 | 1 276.4 | 1 161.1 | 1 182.4 |
| Final Non-Energy Consumption | 107.4 | 112.2 | 117.8 | 106.9 | 99.1 | 96.8 |
| Final Energy Consumption | 1 082.8 | 1 132.9 | 1 192.3 | 1 164.5 | 1 061.7 | 1 084.0 |
| by Fuel/Product | | | | | | |
| Solid Fuels | 83.0 | 61.9 | 54.0 | 50.1 | 46.2 | 46.3 |
| Petroleum and Products | 466.1 | 490.5 | 503.8 | 458.5 | 422.4 | 429.6 |
| Gases | 247.5 | 267.6 | 282.0 | 272.3 | 229.1 | 236.3 |
| Biomass and Renewable Wastes | 43.6 | 48.3 | 57.8 | 80.9 | 80.5 | 84.3 |
| Solar | 0.3 | 0.4 | 0.7 | 1.5 | 1.9 | 2.0 |
| Geothermal | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 |
| Electricity | 194.1 | 217.4 | 239.4 | 244.1 | 232.4 | 235.7 |
| Derived heat | 46.3 | 45.3 | 52.7 | 54.0 | 45.3 | 45.9 |
| Wastes, Non-Renewable | 1.6 | 1.0 | 1.5 | 2.7 | 3.4 | 3.5 |
| by Sector | | | | | | |
| Industry | 331.6 | 333.4 | 328.1 | 287.0 | 274.0 | 274.7 |
| Transport | 306.8 | 344.7 | 369.3 | 364.2 | 352.6 | 358.6 |
| Residential | 285.5 | 291.2 | 309.2 | 318.9 | 264.5 | 275.2 |
| Services | 114.3 | 121.4 | 144.2 | 157.8 | 141.8 | 146.9 |
| Agriculture and Fishing | 32.5 | 29.5 | 29.0 | 26.2 | 24.7 | 24.7 |
| Other | 12.2 | 12.7 | 12.5 | 10.4 | 4.1 | 3.8 |

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| Installed Capacity (GW) | 618.5 | 681.1 | 758.0 | 883.9 | 975.0 | 981.9 |
| Combustible Fuels | 353.3 | 391.5 | 435.1 | 488.2 | 479.8 | 465.8 |
| Nuclear | 128.4 | 136.6 | 135.0 | 131.7 | 123.5 | 122.0 |
| Hydro | 133.5 | 139.0 | 143.4 | 147.3 | 150.3 | 152.4 |
| Wind | 2.4 | 12.7 | 40.4 | 84.6 | 129.1 | 141.5 |
| Solar PV | 0.0 | 0.2 | 2.3 | 29.5 | 86.8 | 94.9 |
| 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 | 2.0 |
| Gross Electricity Generation (TWh) | 2 743.6 | 3 035.8 | 3 325.8 | 3 366.1 | 3 190.8 | 3 234.3 |
| Solid Fuels | 945.9 | 933.9 | 960.3 | 829.3 | 807.9 | 791.5 |
| Petroleum and Products | 230.3 | 181.3 | 142.8 | 87.0 | 58.0 | 61.1 |
| Gases | 294.4 | 513.1 | 704.0 | 799.1 | 490.6 | 529.9 |
| Nuclear | 880.8 | 945.0 | 997.7 | 916.6 | 876.3 | 857.1 |
| Renewables | 382.6 | 448.6 | 496.1 | 710.4 | 931.2 | 965.8 |
| Wastes, non-RES | 8.7 | 12.1 | 14.2 | 19.2 | 22.0 | 23.2 |
| Cogeneration Heat and Power | | | | | | |
| CHP Electrical Capacity (GW) | | | | | 119.3 | 119.7 |
| CHP Electricity Generation (TWh) | | | | 394.6 | 331.1 | 362.9 |
| CHP in Total Electricity Generation (%) | | | | 11.8% | 10.4% | 11.2% |
| CHP Heat Production (PJ) | | | | 3 038.4 | 2 767.9 | 2 791.7 |
| Transport Fuels (ktoe) | | | | | | |
| Final Consumption Petroleum Products | 3 003 869 | 3 371 344 | 3 578 723 | 3 431 162 | 3 302 541 | 3 358 666 |
| Motor Gasoline | 1 381 589 | 1 340 427 | 1 153 175 | 91 754.5 | 78 975.1 | 77 449.4 |
| Gas/Diesel Oil | 1 234 363 | 1 531 174 | 1 860 310 | 1 952 212 | 1 950 172 | 2 002 661 |
| Final Consumption Biofuels | 216.2 | 709.0 | 3 198.0 | 13 104.6 | 14 062.6 | 14 030.0 |
| Biogasoline | 24.3 | 58.2 | 573.4 | 2 804.6 | 2 656.9 | 2 680.2 |
| Biodiesel | 187.4 | 636.4 | 2 469.9 | 10 261.7 | 11 397.3 | 11 345.3 |
| Main Energy Indicators | | | | | | |
| Energy Intensity (toe/M€'10) | 173.6 | 155.2 | 149.3 | 137.7 | 121.7 | 120.5 |
| Energy per Capita (kgoe/cap) | 3 475.8 | 3 550.7 | 3 701.7 | 3 506.5 | 3 171.3 | 3 200.5 |
| Final Electricity per Capita (KWh/cap) | 4 685.2 | 5 188.9 | 5 630.3 | 5 641.5 | 5 330.9 | 5 389.9 |
| Primary Energy Intensity (toe/M€'10) | 162.4 | 145.1 | 139.7 | 129.3 | 114.2 | 113.3 |
| Import Dependency (%) | 43.1% | 46.7% | 52.1% | 52.6% | 53.4% | 54.0% |
| of Solid Fuels | 21.5% | 30.6% | 39.4% | 39.4% | 45.7% | 42.8% |
| of Hard Coal | 29.7% | 42.6% | 55.7% | 57.9% | 68.0% | 64.1% |
| of Petroleum Fuels | 74.1% | 75.7% | 82.1% | 84.5% | 87.5% | 88.8% |
| of Crude and NGL | 73.0% | 74.4% | 81.3% | 84.6% | 87.9% | 88.4% |
| of Natural Gas | 43.4% | 48.9% | 57.1% | 62.2% | 67.3% | 69.1% |
| Renewables in Gross Final Energy (%) | | | | | | |
| Overall RES with Aviation Cap | | | 9.0% | 12.9% | 16.1% | 16.7% |
| RES-H&C – Heating and Cooling | | | 10.9% | 14.9% | 18.1% | 18.6% |
| RES-E – Electricity Generation | | | 14.8% | 19.7% | 27.5% | 28.8% |
| RES-T – Transport | | | 1.8% | 5.2% | 6.5% | 6.7% |
| Gases Emissions (Mio ton CO₂) | | | | | | |
| CO ₂ Emissions* | 4 288.3 | 4 280.2 | 4 423.0 | 4 063.8 | 3 606.4 | 3 640.6 |
| GHGs Emissions* | 5 381.4 | 5 270.8 | 5 345.2 | 4 909.5 | 4 423.7 | 4 451.8 |
| Main Emissions Indicators | | | | | | |
| CO ₂ per Capita (kg CO ₂ /cap) | 8 898.7 | 8 784.2 | 8 942.6 | 8 076.3 | 7 113.6 | 7 159.5 |
| Carbon Intensity (kg CO ₂ /toe) | 2 508.0 | 2 415.3 | 2 353.2 | 2 241.1 | 2 185.9 | 2 180.5 |
| CO ₂ GDP Intensity (ton CO ₂ /M€'10) | 444.3 | 383.9 | 360.8 | 317.0 | 272.9 | 269.5 |

* Total emissions without LULUCF, with ind. CO₂, including international aviation, excl. international maritime transport.

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

5.1 Belgium

| Mtoe, unless otherwise stated | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Production | 11.83 | 13.61 | 13.72 | 16.19 | 13.32 | 11.59 |
| Solid Fuels | 0.31 | 0.21 | 0.06 | | | |
| of which Hard Coal | 0.31 | 0.21 | 0.06 | 0.01 | 0.01 | 0.01 |
| Petroleum and Products | 0.00 | 0.00 | 0.01 | 0.80 | 0.99 | 1.22 |
| of which Crude and NGL | | | | | | |
| Gases | 0.00 | 0.00 | | | | |
| of which Natural Gas | 0.00 | 0.00 | | | | |
| Nuclear | 10.67 | 12.42 | 12.28 | 12.37 | 8.69 | 6.73 |
| Renewables | 0.44 | 0.53 | 0.88 | 2.27 | 2.95 | 2.96 |
| Wastes, Non-Renewable | 0.41 | 0.44 | 0.50 | 0.74 | 0.68 | 0.68 |
| Net Imports | 46.64 | 50.50 | 53.43 | 53.56 | 47.13 | 50.63 |
| Solid Fuels | 9.42 | 7.30 | 5.24 | 3.70 | 3.39 | 3.10 |
| of which Hard Coal | 8.90 | 6.56 | 4.96 | 3.72 | 3.10 | 2.64 |
| Petroleum and Products | 26.37 | 29.45 | 32.55 | 32.45 | 28.94 | 31.18 |
| of which Crude and NGL | 26.18 | 34.04 | 31.77 | 33.11 | 32.57 | 32.26 |
| Gases | 10.42 | 13.28 | 14.82 | 16.79 | 12.83 | 13.87 |
| of which Natural Gas | 10.42 | 13.28 | 14.82 | 16.79 | 12.83 | 13.87 |
| Renewables | 0.09 | 0.10 | 0.28 | 0.57 | 0.45 | 0.68 |
| Electricity | 0.35 | 0.37 | 0.54 | 0.05 | 1.51 | 1.81 |
| Gross Inland Consumption | 53.83 | 59.30 | 59.06 | 60.90 | 53.55 | 54.22 |
| Solid Fuels | 8.65 | 8.00 | 5.17 | 3.76 | 3.33 | 3.18 |
| of which Hard Coal | 8.21 | 7.26 | 4.91 | 3.69 | 3.00 | 2.74 |
| Petroleum and Products | 22.61 | 24.06 | 24.67 | 24.41 | 23.25 | 24.22 |
| of which Crude and NGL | 22.63 | 33.97 | 31.92 | 33.13 | 32.53 | 32.24 |
| Gases | 10.61 | 13.37 | 14.74 | 16.75 | 12.68 | 13.97 |
| of which Natural Gas | 10.61 | 13.37 | 14.74 | 16.75 | 12.68 | 13.97 |
| Nuclear | 10.67 | 12.42 | 12.28 | 12.37 | 8.69 | 6.73 |
| Renewables | 0.53 | 0.64 | 1.16 | 2.83 | 3.40 | 3.63 |
| Electricity | 0.35 | 0.37 | 0.54 | 0.05 | 1.51 | 1.81 |
| Wastes, Non-Renewable | 0.41 | 0.44 | 0.50 | 0.74 | 0.68 | 0.68 |
| Primary Energy Consumption | 47.91 | 52.32 | 51.33 | 53.54 | 45.15 | 45.70 |
| Available for Final Consumption | 39.93 | 44.83 | 44.42 | 45.66 | 42.73 | 44.46 |
| Final Non-Energy Consumption | 5.92 | 6.99 | 7.73 | 7.36 | 8.40 | 8.52 |
| Final Energy Consumption | 34.35 | 37.53 | 36.58 | 37.63 | 34.20 | 35.78 |
| by Fuel/Product | | | | | | |
| Solid Fuels | 3.33 | 3.40 | 2.03 | 1.63 | 1.68 | 1.61 |
| Petroleum and Products | 16.03 | 16.54 | 16.52 | 16.10 | 14.55 | 15.72 |
| Gases | 8.44 | 9.89 | 9.94 | 10.44 | 8.63 | 9.20 |
| Biomass and Renewable Wastes | 0.35 | 0.41 | 0.64 | 1.52 | 1.65 | 1.55 |
| Solar | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.02 |
| Geothermal | | | | | 0.00 | 0.00 |
| Electricity | 5.89 | 6.67 | 6.90 | 7.16 | 6.98 | 7.03 |
| Derived heat | 0.23 | 0.49 | 0.43 | 0.64 | 0.53 | 0.51 |
| Wastes, Non-Renewable | 0.09 | 0.12 | 0.12 | 0.14 | 0.16 | 0.14 |
| by Sector | | | | | | |
| Industry | 11.91 | 14.10 | 11.71 | 12.06 | 11.92 | 11.89 |
| Transport | 8.57 | 9.66 | 9.95 | 10.35 | 9.90 | 10.44 |
| Residential | 9.30 | 9.47 | 9.93 | 9.41 | 7.40 | 8.14 |
| Services | 3.46 | 3.48 | 4.15 | 5.03 | 4.23 | 4.56 |
| Agriculture and Fishing | 1.10 | 0.78 | 0.81 | 0.76 | 0.71 | 0.72 |
| Other | 0.00 | 0.03 | 0.03 | 0.03 | 0.04 | 0.03 |

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Installed Capacity (GW) | 14.92 | 15.69 | 16.10 | 18.69 | 20.93 | 21.15 |
| Combustible Fuels | 7.88 | 8.55 | 8.71 | 9.52 | 8.60 | 8.51 |
| Nuclear | 5.63 | 5.71 | 5.80 | 5.93 | 5.93 | 5.91 |
| Hydro | 1.40 | 1.41 | 1.41 | 1.43 | 1.43 | 1.42 |
| Wind | 0.01 | 0.01 | 0.17 | 0.91 | 1.94 | 2.18 |
| Solar PV | 0.00 | 0.00 | 0.00 | 0.90 | 3.03 | 3.12 |
| Geothermal | | | | | 0.00 | 0.00 |
| Tide, Wave and Ocean | | | | | | |
| Other Sources | | | | | 0.00 | 0.00 |
| Gross Electricity Generation (TWh) | 74.41 | 84.01 | 87.03 | 95.19 | 72.67 | 70.65 |
| Solid Fuels | 16.52 | 12.92 | 8.20 | 4.20 | 2.23 | 2.21 |
| Petroleum and Products | 1.31 | 0.80 | 1.74 | 0.41 | 0.22 | 0.21 |
| Gases | 12.94 | 19.09 | 25.14 | 33.18 | 21.49 | 24.85 |
| Nuclear | 41.36 | 48.16 | 47.60 | 47.94 | 33.70 | 26.10 |
| Renewables | 1.56 | 2.28 | 3.42 | 7.85 | 13.38 | 15.57 |
| Wastes, non-RES | 0.72 | 0.77 | 0.66 | 1.36 | 1.25 | 1.25 |
| Cogeneration Heat and Power | | | | | | |
| CHP Electrical Capacity (GW) | | | 1.89 | 2.58 | 2.40 | 2.4 |
| CHP Electricity Generation (TWh) | | | 7.36 | 15.20 | 12.20 | 12.5 |
| CHP in Total Electricity Generation (%) | | | 8.5% | 16.0% | 16.8% | 17.7% |
| CHP Heat Production (PJ) | | | 75.86 | 0.00 | 107.36 | 104.4 |
| Transport Fuels (ktoe) | | | | | | |
| Final Consumption Petroleum Products | 8439.9 | 9536.5 | 9802.7 | 9747.7 | 9316.7 | 9996.1 |
| Motor Gasoline | 2977.3 | 2359.3 | 1846.5 | 1235.9 | 1242.2 | 1321.0 |
| Gas/Diesel Oil | 4282.6 | 5416.1 | 6522.1 | 7074.6 | 6692.0 | 7154.9 |
| Final Consumption Biofuels | | | | 366.0 | 419.2 | 261.2 |
| Biogasoline | | | | 57.1 | 39.2 | 40.6 |
| Biodiesel | | | | 308.9 | 380.0 | 220.6 |
| Main Energy Indicators | | | | | | |
| Energy Intensity (toe/M€'10) | 199.3 | 190.4 | 173.3 | 166.8 | 141.6 | 141.3 |
| Energy per Capita (kgoe/cap) | 5313.7 | 5791.8 | 5653.9 | 5618.3 | 4789.4 | 4824.7 |
| Final Electricity per Capita (KWh/cap) | 6756.6 | 7573.1 | 7677.9 | 7685.6 | 7258.2 | 7271.7 |
| Primary Energy Intensity (toe/M€'10) | 177.4 | 168.0 | 150.6 | 146.7 | 119.4 | 119.1 |
| Import Dependency (%) | 80.8% | 78.1% | 80.1% | 78.2% | 80.0% | 84.3% |
| of Solid Fuels | 108.9% | 91.2% | 101.3% | 98.3% | 101.6% | 97.2% |
| of Hard Coal | 108.5% | 90.4% | 100.9% | 100.7% | 103.2% | 96.5% |
| of Petroleum Fuels | 99.6% | 100.2% | 100.8% | 101.4% | 101.1% | 103.8% |
| of Crude and NGL | 99.8% | 100.2% | 99.5% | 99.9% | 100.1% | 100.0% |
| of Natural Gas | 98.2% | 99.3% | 100.5% | 100.3% | 101.2% | 99.3% |
| Renewables in Gross Final Energy (%) | | | | | | |
| Overall RES with Aviation Cap | | | 2.3% | 5.7% | 8.0% | 7.9% |
| RES-H&C – Heating and Cooling | | | 3.4% | 6.1% | 7.7% | 7.6% |
| RES-E – Electricity Generation | | | 2.4% | 7.1% | 13.4% | 15.4% |
| RES-T – Transport | | | 0.6% | 4.7% | 5.7% | 3.8% |
| Gases Emissions (Mio ton CO₂) | | | | | | |
| CO ₂ Emissions* | 128.67 | 131.21 | 128.94 | 117.53 | 100.59 | 104.42 |
| GHGs Emissions* | 157.27 | 154.19 | 148.68 | 136.64 | 118.15 | 121.64 |
| Main Emissions Indicators | | | | | | |
| CO ₂ per Capita (kg CO ₂ /cap) | 12701.2 | 12815.0 | 12343.6 | 10842.6 | 8996.5 | 9292.6 |
| Carbon Intensity (kg CO ₂ /toe) | 2230.0 | 2029.8 | 1933.4 | 1715.9 | 1706.9 | 1739.3 |
| CO ₂ GDP Intensity (ton CO ₂ /M€'10) | 476.4 | 421.3 | 378.4 | 321.9 | 266.1 | 272.2 |

* Total emissions without LULUCF, with ind. CO₂, including international aviation, excl. international maritime transport.

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

5.2 Bulgaria

| Mtoe, unless otherwise stated | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Production | 10.27 | 9.87 | 10.70 | 10.53 | 11.31 | 12.13 |
| Solid Fuels | 5.29 | 4.30 | 4.18 | 4.94 | 5.12 | 5.87 |
| of which Hard Coal | 0.97 | 0.05 | 0.00 | 0.02 | 0.01 | 0.03 |
| Petroleum and Products | 0.06 | 0.07 | 0.13 | 0.06 | 0.06 | 0.14 |
| of which Crude and NGL | 0.04 | 0.04 | 0.03 | 0.02 | 0.03 | 0.02 |
| Gases | 0.04 | 0.01 | 0.38 | 0.06 | 0.16 | 0.09 |
| of which Natural Gas | 0.04 | 0.01 | 0.38 | 0.06 | 0.16 | 0.09 |
| Nuclear | 4.46 | 4.70 | 4.83 | 3.96 | 4.11 | 3.98 |
| Renewables | 0.42 | 0.78 | 1.12 | 1.50 | 1.84 | 2.03 |
| Wastes, Non-Renewable | 0.00 | 0.01 | 0.06 | 0.01 | 0.02 | 0.03 |
| Net Imports | 12.83 | 8.54 | 9.28 | 7.08 | 6.16 | 6.59 |
| Solid Fuels | 2.42 | 2.26 | 2.55 | 1.70 | 0.93 | 0.74 |
| of which Hard Coal | 2.35 | 2.25 | 2.49 | 1.67 | 0.89 | 0.70 |
| Petroleum and Products | 5.87 | 3.94 | 4.94 | 4.03 | 3.88 | 4.25 |
| of which Crude and NGL | 7.39 | 5.18 | 5.84 | 5.37 | 5.02 | 5.91 |
| Gases | 4.56 | 2.74 | 2.46 | 2.13 | 2.22 | 2.52 |
| of which Natural Gas | 4.56 | 2.74 | 2.46 | 2.13 | 2.22 | 2.52 |
| Renewables | -0.01 | 0.00 | -0.03 | -0.06 | -0.06 | -0.02 |
| Electricity | -0.01 | -0.40 | -0.65 | -0.73 | -0.81 | -0.91 |
| Gross Inland Consumption | 22.69 | 18.52 | 19.75 | 17.77 | 17.74 | 18.51 |
| Solid Fuels | 7.62 | 6.43 | 6.90 | 6.89 | 6.40 | 6.62 |
| of which Hard Coal | 3.21 | 2.23 | 2.63 | 1.89 | 1.21 | 0.74 |
| Petroleum and Products | 5.63 | 4.07 | 4.72 | 3.89 | 3.88 | 4.20 |
| of which Crude and NGL | 7.41 | 5.25 | 5.98 | 5.41 | 5.07 | 5.88 |
| Gases | 4.58 | 2.93 | 2.80 | 2.30 | 2.36 | 2.60 |
| of which Natural Gas | 4.58 | 2.93 | 2.80 | 2.30 | 2.36 | 2.60 |
| Nuclear | 4.46 | 4.70 | 4.83 | 3.96 | 4.11 | 3.98 |
| Renewables | 0.41 | 0.78 | 1.10 | 1.46 | 1.79 | 1.99 |
| Electricity | -0.01 | -0.40 | -0.65 | -0.73 | -0.81 | -0.91 |
| Wastes, Non-Renewable | 0.00 | 0.01 | 0.06 | 0.01 | 0.02 | 0.03 |
| Primary Energy Consumption | 21.46 | 17.54 | 18.91 | 17.35 | 17.23 | 17.90 |
| Available for Final Consumption | 12.93 | 9.99 | 10.56 | 8.79 | 8.95 | 9.65 |
| Final Non-Energy Consumption | 1.23 | 0.98 | 0.85 | 0.42 | 0.51 | 0.61 |
| Final Energy Consumption | 11.42 | 9.11 | 10.19 | 8.84 | 9.01 | 9.51 |
| by Fuel/Product | | | | | | |
| Solid Fuels | 1.26 | 0.88 | 0.98 | 0.41 | 0.32 | 0.33 |
| Petroleum and Products | 2.93 | 3.03 | 3.72 | 3.13 | 3.06 | 3.37 |
| Gases | 1.79 | 1.68 | 1.57 | 1.06 | 1.20 | 1.31 |
| Biomass and Renewable Wastes | 0.18 | 0.55 | 0.69 | 0.91 | 1.07 | 1.15 |
| Solar | | | 0.00 | 0.01 | 0.02 | 0.02 |
| Geothermal | | | 0.03 | 0.03 | 0.03 | 0.03 |
| Electricity | 2.47 | 2.09 | 2.21 | 2.33 | 2.38 | 2.44 |
| Derived heat | 2.80 | 0.88 | 0.94 | 0.96 | 0.90 | 0.82 |
| Wastes, Non-Renewable | 0.00 | 0.01 | 0.05 | 0.01 | 0.02 | 0.03 |
| by Sector | | | | | | |
| Industry | 6.01 | 3.97 | 4.04 | 2.56 | 2.62 | 2.71 |
| Transport | 1.85 | 2.01 | 2.90 | 2.86 | 3.11 | 3.40 |
| Residential | 2.47 | 2.16 | 2.12 | 2.25 | 2.17 | 2.20 |
| Services | 0.19 | 0.65 | 0.82 | 0.99 | 0.93 | 0.99 |
| Agriculture and Fishing | 0.38 | 0.31 | 0.30 | 0.19 | 0.19 | 0.19 |
| Other | 0.51 | 0.01 | 0.00 | 0.00 | 0.00 | 0.02 |

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Installed Capacity (GW) | 1.98 | 11.09 | 12.26 | 10.03 | 11.39 | 10.91 |
| Combustible Fuels | 0.00 | 5.67 | 6.68 | 4.58 | 4.47 | 3.99 |
| Nuclear | 0.00 | 3.53 | 2.72 | 1.89 | 1.98 | 1.98 |
| Hydro | 1.98 | 1.88 | 2.85 | 3.05 | 3.22 | 3.22 |
| Wind | 0.00 | 0.00 | 0.01 | 0.49 | 0.70 | 0.70 |
| Solar PV | 0.00 | 0.00 | 0.00 | 0.03 | 1.03 | 1.03 |
| Geothermal | | | | | | |
| Tide, Wave and Ocean | | | | | | |
| Other Sources | | | | | | |
| Gross Electricity Generation (TWh) | 41.79 | 40.92 | 44.37 | 46.65 | 47.49 | 49.23 |
| Solid Fuels | 17.32 | 16.94 | 18.46 | 22.61 | 21.31 | 22.52 |
| Petroleum and Products | 1.44 | 0.66 | 0.61 | 0.39 | 0.21 | 0.18 |
| Gases | 3.45 | 2.18 | 1.90 | 1.97 | 2.14 | 1.86 |
| Nuclear | 17.26 | 18.18 | 18.65 | 15.25 | 15.87 | 15.38 |
| Renewables | 2.31 | 2.95 | 4.74 | 6.42 | 7.95 | 9.25 |
| Wastes, non-RES | 0.00 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 |
| Cogeneration Heat and Power | | | | | | |
| CHP Electrical Capacity (GW) | | | 1.2 | 1.0 | 0.9 | 1.1 |
| CHP Electricity Generation (TWh) | | | 2.7 | 3.7 | 3.0 | 2.9 |
| CHP in Total Electricity Generation (%) | | | 6.1% | 8.0% | 6.2% | 6.0% |
| CHP Heat Production (PJ) | | | 50.4 | 40.4 | 33.4 | 31.9 |
| Transport Fuels (ktoe) | | | | | | |
| Final Consumption Petroleum Products | 1 775.7 | 1 803.5 | 2 624.4 | 2 607.7 | 2 702.4 | 2 987.3 |
| Motor Gasoline | 1 161.4 | 706.7 | 571.2 | 610.6 | 505.5 | 520.2 |
| Gas/Diesel Oil | 277.7 | 778.7 | 1 416.1 | 1 440.7 | 1 584.2 | 1 814.5 |
| Final Consumption Biofuels | | | | 13.5 | 110.7 | 146.2 |
| Biogasoline | | | | | 14.8 | 32.2 |
| Biodiesel | | | | 10.5 | 95.9 | 114.0 |
| Main Energy Indicators | | | | | | |
| Energy Intensity (toe/M€'10) | 947.0 | 758.8 | 614.0 | 464.9 | 445.5 | 448.5 |
| Energy per Capita (kgoe/cap) | 2 692.3 | 2 261.4 | 2 569.3 | 2 394.8 | 2 448.9 | 2 570.2 |
| Final Electricity per Capita (KWh/cap) | 3 404.2 | 2 960.7 | 3 344.7 | 3 651.8 | 3 819.4 | 3 933.0 |
| Primary Energy Intensity (toe/M€'10) | 895.5 | 718.7 | 587.6 | 453.9 | 432.6 | 433.8 |
| Import Dependency (%) | 55.9% | 46.0% | 46.7% | 39.6% | 34.5% | 35.4% |
| of Solid Fuels | 31.8% | 35.1% | 37.0% | 24.7% | 14.5% | 11.2% |
| of Hard Coal | 73.0% | 100.5% | 94.7% | 88.3% | 73.9% | 94.9% |
| of Petroleum Fuels | 99.6% | 95.4% | 102.2% | 101.1% | 97.9% | 99.1% |
| of Crude and NGL | 99.7% | 98.7% | 97.7% | 99.1% | 99.0% | 100.5% |
| of Natural Gas | 99.5% | 93.6% | 87.7% | 92.7% | 94.0% | 97.0% |
| Renewables in Gross Final Energy (%) | | | | | | |
| Overall RES with Aviation Cap | | | 9.4% | 14.1% | 18.0% | 18.2% |
| RES-H&C – Heating and Cooling | | | 14.3% | 24.4% | 28.3% | 28.6% |
| RES-E – Electricity Generation | | | 9.3% | 12.7% | 18.9% | 19.1% |
| RES-T – Transport | | | 0.8% | 1.4% | 5.8% | 6.5% |
| Gases Emissions (Mio ton CO₂) | | | | | | |
| CO ₂ Emissions* | 58.43 | 45.40 | 51.15 | 48.26 | 45.70 | 48.83 |
| GHGs Emissions* | 75.32 | 59.61 | 64.26 | 60.81 | 58.02 | 62.02 |
| Main Emissions Indicators | | | | | | |
| CO ₂ per Capita (kg CO ₂ /cap) | 6 933.0 | 5 543.1 | 6 652.3 | 6 503.0 | 6 307.2 | 6 779.5 |
| Carbon Intensity (kg CO ₂ /toe) | 2 545.2 | 2 442.4 | 2 574.4 | 2 700.8 | 2 563.8 | 2 625.4 |
| CO ₂ GDP Intensity (ton CO ₂ /M€'10) | 2 438.7 | 1 859.9 | 1 589.7 | 1 262.4 | 1 147.3 | 1 183.0 |

* Total emissions without LULUCF, with ind. CO₂, including international aviation, excl. international maritime transport.

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

5.3 Czech Republic

| Mtoe, unless otherwise stated | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Production | 32.69 | 30.81 | 33.17 | 32.03 | 29.81 | 29.05 |
| Solid Fuels | 27.57 | 25.05 | 23.57 | 20.83 | 16.98 | 17.06 |
| of which Hard Coal | 10.80 | 9.42 | 8.41 | 7.50 | 5.73 | 5.57 |
| Petroleum and Products | 0.30 | 0.39 | 0.59 | 0.30 | 0.33 | 0.28 |
| of which Crude and NGL | 0.15 | 0.17 | 0.31 | 0.18 | 0.15 | 0.13 |
| Gases | 0.20 | 0.17 | 0.15 | 0.20 | 0.21 | 0.21 |
| of which Natural Gas | 0.20 | 0.17 | 0.15 | 0.20 | 0.21 | 0.21 |
| Nuclear | 3.16 | 3.51 | 6.41 | 7.25 | 7.84 | 6.95 |
| Renewables | 1.43 | 1.61 | 2.27 | 3.25 | 4.20 | 4.28 |
| Wastes, Non-Renewable | 0.03 | 0.09 | 0.17 | 0.20 | 0.25 | 0.28 |
| Net Imports | 8.60 | 9.41 | 12.64 | 11.59 | 12.79 | 13.54 |
| Solid Fuels | -5.78 | -4.72 | -3.27 | -2.83 | -0.68 | -0.29 |
| of which Hard Coal | -2.86 | -3.52 | -2.77 | -2.73 | -0.85 | -0.46 |
| Petroleum and Products | 7.91 | 7.51 | 9.65 | 8.98 | 8.93 | 8.75 |
| of which Crude and NGL | 6.96 | 5.57 | 7.65 | 7.81 | 7.48 | 7.24 |
| Gases | 6.42 | 7.48 | 7.54 | 6.85 | 5.95 | 6.16 |
| of which Natural Gas | 6.42 | 7.48 | 7.54 | 6.85 | 5.95 | 6.16 |
| Renewables | 0.01 | 0.00 | -0.19 | -0.12 | -0.02 | -0.01 |
| Electricity | 0.04 | -0.86 | -1.09 | -1.29 | -1.40 | -1.08 |
| Gross Inland Consumption | 41.94 | 41.37 | 45.43 | 45.43 | 42.24 | 42.44 |
| Solid Fuels | 22.66 | 21.64 | 20.25 | 18.77 | 16.04 | 16.58 |
| of which Hard Coal | 8.35 | 6.28 | 5.61 | 5.03 | 4.69 | 5.03 |
| Petroleum and Products | 8.08 | 7.88 | 9.90 | 9.30 | 9.15 | 8.96 |
| of which Crude and NGL | 6.95 | 5.85 | 7.70 | 8.01 | 7.62 | 7.35 |
| Gases | 6.55 | 7.50 | 7.70 | 8.07 | 6.18 | 6.48 |
| of which Natural Gas | 6.55 | 7.50 | 7.70 | 8.07 | 6.18 | 6.48 |
| Nuclear | 3.16 | 3.51 | 6.41 | 7.25 | 7.84 | 6.95 |
| Renewables | 1.43 | 1.62 | 2.09 | 3.13 | 4.18 | 4.28 |
| Electricity | 0.04 | -0.86 | -1.09 | -1.29 | -1.40 | -1.08 |
| Wastes, Non-Renewable | 0.03 | 0.09 | 0.17 | 0.20 | 0.25 | 0.28 |
| Primary Energy Consumption | 39.63 | 39.27 | 42.48 | 42.50 | 39.29 | 39.93 |
| Available for Final Consumption | 28.09 | 27.50 | 29.55 | 29.01 | 26.58 | 27.37 |
| Final Non-Energy Consumption | 2.32 | 2.09 | 2.95 | 2.93 | 2.95 | 2.52 |
| Final Energy Consumption | 26.32 | 25.07 | 26.33 | 25.38 | 23.63 | 24.19 |
| by Fuel/Product | | | | | | |
| Solid Fuels | 6.12 | 5.13 | 3.77 | 2.67 | 2.40 | 2.33 |
| Petroleum and Products | 5.09 | 5.32 | 6.82 | 6.58 | 6.45 | 6.72 |
| Gases | 6.17 | 6.49 | 6.74 | 6.53 | 5.23 | 5.43 |
| Biomass and Renewable Wastes | 1.12 | 1.20 | 1.64 | 2.24 | 2.67 | 2.71 |
| Solar | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.02 |
| Geothermal | | | | | 0.00 | 0.00 |
| Electricity | 4.13 | 4.25 | 4.75 | 4.66 | 4.59 | 4.68 |
| Derived heat | 3.66 | 2.62 | 2.48 | 2.53 | 2.08 | 2.08 |
| Wastes, Non-Renewable | 0.02 | 0.06 | 0.13 | 0.16 | 0.20 | 0.22 |
| by Sector | | | | | | |
| Industry | 12.51 | 10.13 | 9.68 | 7.97 | 7.41 | 7.47 |
| Transport | 2.84 | 4.37 | 6.10 | 6.23 | 6.24 | 6.49 |
| Residential | 6.58 | 6.42 | 6.65 | 7.40 | 6.49 | 6.69 |
| Services | 2.42 | 2.97 | 3.11 | 3.15 | 2.80 | 2.85 |
| Agriculture and Fishing | 1.23 | 0.66 | 0.55 | 0.55 | 0.62 | 0.61 |
| Other | 0.74 | 0.52 | 0.25 | 0.08 | 0.07 | 0.07 |

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Installed Capacity (GW) | 13.80 | 15.32 | 17.41 | 20.07 | 21.92 | 21.87 |
| Combustible Fuels | 10.64 | 11.47 | 11.46 | 12.04 | 13.03 | 12.96 |
| Nuclear | 1.76 | 1.76 | 3.76 | 3.90 | 4.29 | 4.29 |
| Hydro | 1.40 | 2.10 | 2.17 | 2.20 | 2.25 | 2.26 |
| Wind | 0.00 | 0.00 | 0.02 | 0.21 | 0.28 | 0.28 |
| Solar PV | 0.00 | 0.00 | 0.00 | 1.73 | 2.07 | 2.08 |
| Geothermal | | | | | | |
| Tide, Wave and Ocean | | | | | | |
| Other Sources | | | | | | |
| Gross Electricity Generation (TWh) | 60.85 | 73.47 | 82.58 | 85.90 | 86.15 | 83.89 |
| Solid Fuels | 44.34 | 52.75 | 49.52 | 46.90 | 40.73 | 41.14 |
| Petroleum and Products | 0.59 | 0.37 | 0.33 | 0.20 | 0.11 | 0.09 |
| Gases | 1.00 | 3.91 | 4.22 | 4.20 | 4.61 | 4.96 |
| Nuclear | 12.23 | 13.59 | 24.73 | 28.00 | 30.33 | 26.84 |
| Renewables | 2.68 | 2.84 | 3.78 | 6.49 | 10.22 | 10.70 |
| Wastes, non-RES | 0.00 | 0.01 | 0.01 | 0.03 | 0.07 | 0.08 |
| Cogeneration Heat and Power | | | | | | |
| CHP Electrical Capacity (GW) | | | 5.20 | 4.79 | 4.63 | 4.6 |
| CHP Electricity Generation (TWh) | | | 13.87 | 12.24 | 11.80 | 11.8 |
| CHP in Total Electricity Generation (%) | | | 16.8% | 14.2% | 13.7% | 14.0% |
| CHP Heat Production (PJ) | | | 150.67 | 135.67 | 105.63 | 106.0 |
| Transport Fuels (ktoe) | | | | | | |
| Final Consumption Petroleum Products | 2601.5 | 4076.4 | 5865.9 | 5783.8 | 5728.9 | 5986.7 |
| Motor Gasoline | 1693.8 | 1921.5 | 2125.3 | 1868.0 | 1557.9 | 1570.5 |
| Gas/Diesel Oil | 703.6 | 1886.4 | 3321.9 | 3491.8 | 3757.1 | 3980.6 |
| Final Consumption Biofuels | 15.9 | 61.9 | 2.7 | 231.2 | 316.8 | 296.5 |
| Biogasoline | 0.0 | 0.0 | 0.0 | 58.0 | 65.8 | 63.2 |
| Biodiesel | 15.9 | 61.9 | 2.7 | 173.2 | 251.0 | 233.3 |
| Main Energy Indicators | | | | | | |
| Energy Intensity (toe/M€'10) | 400.5 | 361.6 | 327.6 | 290.5 | 261.2 | 251.0 |
| Energy per Capita (kgoe/cap) | 4059.1 | 4024.8 | 4453.9 | 4342.2 | 4018.1 | 4027.4 |
| Final Electricity per Capita (KWh/cap) | 4653.2 | 4804.5 | 5421.3 | 5182.8 | 5081.6 | 5169.2 |
| Primary Energy Intensity (toe/M€'10) | 378.4 | 343.3 | 306.3 | 271.8 | 242.9 | 236.1 |
| Import Dependency (%) | 20.5% | 22.8% | 27.8% | 25.5% | 30.3% | 31.9% |
| of Solid Fuels | -25.5% | -21.8% | -16.1% | -15.1% | -4.2% | -1.8% |
| of Hard Coal | -34.2% | -56.1% | -49.4% | -54.3% | -18.1% | -9.1% |
| of Petroleum Fuels | 98.0% | 95.3% | 97.5% | 96.5% | 97.6% | 97.8% |
| of Crude and NGL | 100.2% | 95.2% | 99.3% | 97.6% | 98.2% | 98.4% |
| of Natural Gas | 98.0% | 99.8% | 97.8% | 84.8% | 96.3% | 95.1% |
| Renewables in Gross Final Energy (%) | | | | | | |
| Overall RES with Aviation Cap | | | 7.1% | 10.5% | 15.1% | 15.1% |
| RES-H&C – Heating and Cooling | | | 10.9% | 14.1% | 19.6% | 19.8% |
| RES-E – Electricity Generation | | | 3.7% | 7.5% | 13.9% | 14.1% |
| RES-T – Transport | | | 0.9% | 5.1% | 6.9% | 6.5% |
| Gases Emissions (Mio ton CO₂) | | | | | | |
| CO ₂ Emissions* | 132.04 | 127.53 | 126.61 | 118.08 | 104.45 | 105.46 |
| GHGs Emissions* | 157.62 | 149.97 | 148.59 | 140.56 | 127.50 | 128.82 |
| Main Emissions Indicators | | | | | | |
| CO ₂ per Capita (kg CO ₂ /cap) | 12778.3 | 12408.2 | 12414.4 | 11286.8 | 9936.1 | 10006.9 |
| Carbon Intensity (kg CO ₂ /toe) | 3148.1 | 3083.0 | 2787.3 | 2599.3 | 2472.8 | 2484.7 |
| CO ₂ GDP Intensity (ton CO ₂ /M€'10) | 1260.9 | 1114.9 | 913.1 | 755.2 | 645.8 | 623.7 |

* Total emissions without LULUCF, with ind. CO₂, including international aviation, excl. international maritime transport.

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

5.4 Denmark

| Mtoe, unless otherwise stated | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|---------------|--------------|--------------|--------------|
| Production | 16.26 | 28.77 | 30.78 | 22.92 | 15.75 | 15.72 |
| Solid Fuels | | | | | | |
| of which Hard Coal | | | | | | |
| Petroleum and Products | 9.99 | 19.28 | 18.46 | 12.04 | 8.09 | 7.66 |
| of which Crude and NGL | 9.29 | 18.09 | 18.46 | 12.04 | 8.08 | 7.65 |
| Gases | 4.73 | 7.43 | 9.40 | 7.36 | 4.15 | 4.16 |
| of which Natural Gas | 4.70 | 7.41 | 9.38 | 7.34 | 4.14 | 4.14 |
| Nuclear | | | | | | |
| Renewables | 1.29 | 1.74 | 2.51 | 3.11 | 3.13 | 3.53 |
| Wastes, Non-Renewable | 0.25 | 0.33 | 0.41 | 0.41 | 0.38 | 0.38 |
| Net Imports | 7.27 | -7.37 | -10.13 | -3.25 | 2.15 | 2.30 |
| Solid Fuels | 7.66 | 3.78 | 3.51 | 2.64 | 2.53 | 1.47 |
| of which Hard Coal | 7.63 | 3.75 | 3.48 | 2.63 | 2.51 | 1.46 |
| Petroleum and Products | 1.17 | -8.39 | -9.07 | -3.59 | -0.68 | 0.42 |
| of which Crude and NGL | 0.62 | -9.86 | -10.87 | -4.94 | -1.33 | -0.36 |
| Gases | -1.50 | -2.88 | -5.01 | -3.02 | -1.31 | -1.38 |
| of which Natural Gas | -1.50 | -2.88 | -5.01 | -3.02 | -1.31 | -1.38 |
| Renewables | 0.01 | 0.06 | 0.33 | 0.81 | 1.33 | 1.23 |
| Electricity | -0.07 | 0.06 | 0.12 | -0.10 | 0.25 | 0.51 |
| Gross Inland Consumption | 20.20 | 19.74 | 19.56 | 20.04 | 16.80 | 16.77 |
| Solid Fuels | 6.50 | 3.99 | 3.71 | 3.81 | 2.41 | 1.73 |
| of which Hard Coal | 6.47 | 3.96 | 3.69 | 3.79 | 2.39 | 1.72 |
| Petroleum and Products | 9.03 | 9.10 | 8.06 | 7.57 | 6.44 | 6.47 |
| of which Crude and NGL | 9.77 | 8.18 | 7.70 | 7.18 | 6.88 | 7.22 |
| Gases | 3.20 | 4.47 | 4.41 | 4.44 | 2.82 | 2.87 |
| of which Natural Gas | 3.17 | 4.45 | 4.40 | 4.42 | 2.80 | 2.85 |
| Nuclear | | | | | | |
| Renewables | 1.30 | 1.80 | 2.84 | 3.92 | 4.47 | 4.76 |
| Electricity | -0.07 | 0.06 | 0.12 | -0.10 | 0.25 | 0.51 |
| Wastes, Non-Renewable | 0.25 | 0.33 | 0.41 | 0.41 | 0.42 | 0.43 |
| Primary Energy Consumption | 19.88 | 19.44 | 19.27 | 19.78 | 16.55 | 16.51 |
| Available for Final Consumption | 15.03 | 15.02 | 15.47 | 15.67 | 13.71 | 14.10 |
| Final Non-Energy Consumption | 0.32 | 0.30 | 0.29 | 0.26 | 0.25 | 0.25 |
| Final Energy Consumption | 14.82 | 14.72 | 15.50 | 15.52 | 13.52 | 13.95 |
| by Fuel/Product | | | | | | |
| Solid Fuels | 0.38 | 0.29 | 0.25 | 0.14 | 0.13 | 0.12 |
| Petroleum and Products | 7.26 | 7.06 | 7.30 | 6.75 | 5.75 | 5.84 |
| Gases | 1.69 | 1.67 | 1.71 | 1.75 | 1.44 | 1.47 |
| Biomass and Renewable Wastes | 0.58 | 0.63 | 0.91 | 1.26 | 1.24 | 1.43 |
| Solar | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| Geothermal | | | | 0.00 | 0.00 | 0.00 |
| Electricity | 2.66 | 2.79 | 2.88 | 2.76 | 2.63 | 2.64 |
| Derived heat | 2.24 | 2.25 | 2.42 | 2.84 | 2.29 | 2.42 |
| Wastes, Non-Renewable | 0.01 | 0.02 | 0.03 | 0.02 | 0.02 | 0.02 |
| by Sector | | | | | | |
| Industry | 3.00 | 2.92 | 2.85 | 2.41 | 2.09 | 2.11 |
| Transport | 4.54 | 4.82 | 5.32 | 5.18 | 4.90 | 4.95 |
| Residential | 4.48 | 4.16 | 4.45 | 4.91 | 3.96 | 4.25 |
| Services | 1.84 | 1.84 | 2.00 | 2.13 | 1.82 | 1.87 |
| Agriculture and Fishing | 0.94 | 0.96 | 0.86 | 0.88 | 0.74 | 0.76 |
| Other | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|---------------|---------------|---------------|--------------|--------------|
| Installed Capacity (GW) | 10.82 | 12.32 | 13.04 | 13.44 | 13.62 | 14.01 |
| Combustible Fuels | 10.21 | 9.92 | 9.89 | 9.62 | 8.12 | 8.14 |
| Nuclear | | | | | | |
| Hydro | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| Wind | 0.60 | 2.39 | 3.13 | 3.80 | 4.89 | 5.08 |
| Solar PV | 0.00 | 0.00 | 0.00 | 0.01 | 0.61 | 0.78 |
| Geothermal | | | | | 0.00 | 0.00 |
| Tide, Wave and Ocean | | | | | | |
| Other Sources | | | | | | |
| Gross Electricity Generation (TWh) | 36.76 | 36.05 | 36.25 | 38.86 | 32.18 | 28.95 |
| Solid Fuels | 27.36 | 16.67 | 15.46 | 17.01 | 11.06 | 7.11 |
| Petroleum and Products | 3.63 | 4.44 | 1.38 | 0.77 | 0.32 | 0.31 |
| Gases | 3.64 | 8.77 | 8.78 | 7.91 | 2.09 | 1.82 |
| Nuclear | | | | | | |
| Renewables | 1.85 | 5.57 | 9.81 | 12.43 | 17.99 | 18.96 |
| Wastes, non-RES | 0.27 | 0.56 | 0.82 | 0.75 | 0.72 | 0.75 |
| Cogeneration Heat and Power | | | | | | |
| CHP Electrical Capacity (GW) | | | 5.69 | 5.81 | 6.17 | 6.1 |
| CHP Electricity Generation (TWh) | | | 18.89 | 19.10 | 11.49 | 11.6 |
| CHP in Total Electricity Generation (%) | | | 52.1% | 49.2% | 35.7% | 40.0% |
| CHP Heat Production (PJ) | | | 118.98 | 124.74 | 91.12 | 93.3 |
| Transport Fuels (ktoe) | | | | | | |
| Final Consumption Petroleum Products | 4521.7 | 4785.8 | 5292.1 | 5117.9 | 4635.3 | 4681.4 |
| Motor Gasoline | 1943.7 | 2019.1 | 1921.8 | 1574.4 | 1321.3 | 1317.1 |
| Gas/Diesel Oil | 1814.4 | 1863.3 | 2372.2 | 2648.6 | 2343.7 | 2432.4 |
| Final Consumption Biofuels | | | | 26.8 | 231.1 | 232.0 |
| Biogasoline | | | | 26.8 | 0.0 | 0.0 |
| Biodiesel | | | | 0.0 | 231.1 | 232.0 |
| Main Energy Indicators | | | | | | |
| Energy Intensity (toe/M€'10) | 104.1 | 87.6 | 81.3 | 82.4 | 66.3 | 65.1 |
| Energy per Capita (kgoe/cap) | 3873.5 | 3702.8 | 3613.8 | 3621.5 | 2986.0 | 2962.3 |
| Final Electricity per Capita (KWh/cap) | 5921.5 | 6089.5 | 6183.6 | 5792.1 | 5425.4 | 5424.3 |
| Primary Energy Intensity (toe/M€'10) | 102.4 | 86.3 | 80.1 | 81.3 | 65.3 | 64.1 |
| Import Dependency (%) | 33.4% | -35.0% | -49.8% | -15.7% | 12.2% | 13.1% |
| of Solid Fuels | 117.9% | 94.9% | 94.4% | 69.4% | 104.9% | 85.0% |
| of Hard Coal | 118.0% | 94.7% | 94.3% | 69.3% | 104.9% | 85.0% |
| of Petroleum Fuels | 11.0% | -80.8% | -102.7% | -43.4% | -9.5% | 5.8% |
| of Crude and NGL | 6.3% | -120.5% | -141.3% | -68.8% | -19.4% | -5.0% |
| of Natural Gas | -47.2% | -64.8% | -113.9% | -68.3% | -46.9% | -48.2% |
| Renewables in Gross Final Energy (%) | | | | | | |
| Overall RES with Aviation Cap | | | 16.0% | 22.1% | 29.3% | 30.8% |
| RES-H&C – Heating and Cooling | | | 22.8% | 31.0% | 37.9% | 39.6% |
| RES-E – Electricity Generation | | | 24.6% | 32.7% | 48.5% | 51.3% |
| RES-T – Transport | | | 0.4% | 1.1% | 6.7% | 6.7% |
| Gases Emissions (Mio ton CO₂) | | | | | | |
| CO ₂ Emissions* | 64.58 | 57.48 | 54.79 | 52.13 | 40.55 | 38.18 |
| GHGs Emissions* | 80.12 | 73.12 | 68.93 | 65.64 | 53.51 | 50.98 |
| Main Emissions Indicators | | | | | | |
| CO ₂ per Capita (kg CO ₂ /cap) | 12380.9 | 10784.7 | 10125.1 | 9418.3 | 7206.3 | 6746.8 |
| Carbon Intensity (kg CO ₂ /toe) | 2964.9 | 2734.9 | 2696.4 | 2514.5 | 2312.1 | 2178.0 |
| CO ₂ GDP Intensity (ton CO ₂ /M€'10) | 332.6 | 255.2 | 227.7 | 214.4 | 160.0 | 148.3 |

* Total emissions without LULUCF, with ind. CO₂, including international aviation, excl. international maritime transport.

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

5.5 Germany

| Mtoe, unless otherwise stated | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|
| Production | 145.26 | 135.60 | 139.11 | 133.04 | 124.69 | 124.23 |
| Solid Fuels | 78.94 | 60.63 | 56.48 | 45.91 | 44.13 | 43.00 |
| of which Hard Coal | 38.10 | 24.16 | 18.03 | 9.25 | 5.50 | 4.60 |
| Petroleum and Products | 4.30 | 4.73 | 7.54 | 8.15 | 8.32 | 8.08 |
| of which Crude and NGL | 2.97 | 3.20 | 3.46 | 2.47 | 2.43 | 2.38 |
| Gases | 15.10 | 15.82 | 14.33 | 11.11 | 6.86 | 6.34 |
| of which Natural Gas | 15.10 | 15.80 | 14.33 | 11.11 | 6.86 | 6.34 |
| Nuclear | 39.51 | 43.75 | 42.06 | 36.26 | 25.06 | 23.68 |
| Renewables | 5.98 | 8.98 | 16.85 | 27.71 | 36.02 | 38.89 |
| Wastes, Non-Renewable | 1.44 | 1.68 | 1.85 | 3.91 | 4.30 | 4.25 |
| Net Imports | 195.18 | 204.71 | 208.19 | 201.99 | 194.75 | 196.02 |
| Solid Fuels | 10.27 | 21.66 | 25.97 | 31.65 | 35.66 | 36.17 |
| of which Hard Coal | 8.17 | 17.19 | 23.76 | 29.15 | 34.51 | 35.22 |
| Petroleum and Products | 131.60 | 125.92 | 120.32 | 110.13 | 105.94 | 105.86 |
| of which Crude and NGL | 101.60 | 101.44 | 111.12 | 91.91 | 89.26 | 89.77 |
| Gases | 52.90 | 56.87 | 61.94 | 61.65 | 56.67 | 58.68 |
| of which Natural Gas | 52.90 | 56.87 | 61.94 | 61.65 | 56.67 | 58.68 |
| Renewables | 0.00 | 0.00 | 0.36 | -0.14 | -0.61 | -0.53 |
| Electricity | 0.42 | 0.26 | -0.39 | -1.29 | -2.91 | -4.15 |
| Gross Inland Consumption | 341.64 | 342.33 | 341.93 | 332.49 | 313.24 | 314.20 |
| Solid Fuels | 91.64 | 84.80 | 81.95 | 78.82 | 79.62 | 79.52 |
| of which Hard Coal | 47.71 | 43.80 | 41.30 | 39.57 | 39.89 | 40.19 |
| Petroleum and Products | 135.37 | 130.98 | 121.48 | 111.32 | 108.40 | 107.41 |
| of which Crude and NGL | 104.82 | 108.09 | 114.25 | 94.48 | 91.48 | 92.43 |
| Gases | 67.30 | 71.88 | 77.78 | 75.91 | 63.37 | 65.15 |
| of which Natural Gas | 67.30 | 71.85 | 77.78 | 75.91 | 63.37 | 65.15 |
| Nuclear | 39.51 | 43.75 | 42.06 | 36.26 | 25.06 | 23.68 |
| Renewables | 5.98 | 8.98 | 17.21 | 27.57 | 35.41 | 38.35 |
| Electricity | 0.42 | 0.26 | -0.39 | -1.29 | -2.91 | -4.15 |
| Wastes, Non-Renewable | 1.44 | 1.68 | 1.85 | 3.91 | 4.30 | 4.25 |
| Primary Energy Consumption | 318.02 | 317.27 | 317.26 | 309.91 | 291.11 | 292.94 |
| Available for Final Consumption | 244.01 | 247.33 | 247.18 | 242.63 | 229.87 | 233.14 |
| Final Non-Energy Consumption | 23.62 | 25.06 | 24.66 | 22.58 | 22.13 | 21.27 |
| Final Energy Consumption | 221.62 | 220.01 | 218.46 | 219.65 | 208.88 | 212.12 |
| by Fuel/Product | | | | | | |
| Solid Fuels | 13.89 | 10.96 | 8.24 | 9.38 | 9.73 | 10.40 |
| Petroleum and Products | 105.63 | 99.74 | 90.31 | 83.17 | 81.90 | 81.12 |
| Gases | 51.83 | 56.08 | 55.14 | 56.43 | 49.76 | 51.76 |
| Biomass and Renewable Wastes | 2.69 | 4.72 | 8.54 | 12.14 | 12.52 | 13.22 |
| Solar | 0.04 | 0.11 | 0.26 | 0.48 | 0.63 | 0.67 |
| Geothermal | 0.00 | 0.00 | 0.04 | 0.05 | 0.08 | 0.07 |
| Electricity | 38.80 | 41.57 | 44.91 | 45.78 | 44.10 | 44.26 |
| Derived heat | 8.75 | 6.83 | 10.75 | 11.27 | 9.15 | 9.59 |
| Wastes, Non-Renewable | 0.00 | 0.00 | 0.28 | 0.95 | 1.02 | 1.03 |
| by Sector | | | | | | |
| Industry | 60.14 | 57.57 | 59.09 | 60.56 | 60.72 | 60.95 |
| Transport | 63.66 | 66.77 | 62.32 | 61.10 | 63.47 | 63.17 |
| Residential | 66.25 | 65.24 | 63.50 | 62.45 | 51.53 | 53.17 |
| Services | 25.89 | 25.79 | 33.19 | 35.36 | 33.04 | 34.72 |
| Agriculture and Fishing | 1.99 | 0.29 | 0.02 | 0.00 | 0.00 | 0.00 |
| Other | 3.69 | 4.35 | 0.34 | 0.18 | 0.13 | 0.12 |

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|
| Installed Capacity (GW) | 116.23 | 118.88 | 128.61 | 162.70 | 198.42 | 204.05 |
| Combustible Fuels | 83.36 | 80.79 | 76.38 | 85.82 | 97.20 | 96.97 |
| Nuclear | 22.83 | 22.40 | 20.38 | 20.47 | 12.07 | 10.80 |
| Hydro | 8.88 | 9.49 | 10.86 | 11.22 | 11.23 | 11.40 |
| Wind | 1.14 | 6.10 | 18.38 | 27.18 | 39.19 | 44.67 |
| Solar PV | 0.02 | 0.11 | 2.06 | 17.55 | 38.23 | 39.79 |
| Geothermal | | | | 0.01 | 0.02 | 0.03 |
| Tide, Wave and Ocean | | | | | | |
| Other Sources | 0.00 | 0.00 | 0.57 | 0.45 | 0.45 | 0.40 |
| Gross Electricity Generation (TWh) | 537.28 | 576.54 | 622.58 | 632.98 | 627.80 | 646.89 |
| Solid Fuels | 289.14 | 296.69 | 288.14 | 262.90 | 274.41 | 272.20 |
| Petroleum and Products | 8.98 | 4.79 | 12.00 | 8.74 | 5.66 | 6.21 |
| Gases | 50.40 | 59.97 | 83.61 | 100.91 | 72.77 | 74.53 |
| Nuclear | 153.09 | 169.61 | 163.06 | 140.56 | 97.13 | 91.79 |
| Renewables | 30.40 | 39.71 | 69.28 | 111.21 | 168.37 | 193.29 |
| Wastes, non-RES | 5.26 | 5.79 | 3.25 | 6.35 | 7.43 | 7.06 |
| Cogeneration Heat and Power | | | | | | |
| CHP Electrical Capacity (GW) | | | 20.8 | | 37.2 | 37.1 |
| CHP Electricity Generation (TWh) | | | 77.9 | 83.2 | 74.8 | 78.8 |
| CHP in Total Electricity Generation (%) | | | 12.5% | 13.2% | 11.9% | 12.2% |
| CHP Heat Production (PJ) | | | 652.5 | 675.8 | 651.4 | 669.9 |
| Transport Fuels (ktoe) | | | | | | |
| Final Consumption Petroleum Products | 622294 | 651393 | 584895 | 566600 | 592315 | 592046 |
| Motor Gasoline | 320589 | 306508 | 237215 | 188595 | 176822 | 169263 |
| Gas/Diesel Oil | 240987 | 270466 | 263644 | 284491 | 321753 | 329439 |
| Final Consumption Biofuels | 35.6 | 236.5 | 1858.9 | 2884.2 | 2739.6 | 2537.3 |
| Biogasoline | | | 153.0 | 749.0 | 779.1 | 744.2 |
| Biodiesel | 31.1 | 222.1 | 1551.7 | 2104.4 | 1957.0 | 1791.9 |
| Main Energy Indicators | | | | | | |
| Energy Intensity (toe/M€'10) | 159.3 | 145.1 | 140.9 | 128.9 | 114.2 | 112.6 |
| Energy per Capita (kgoe/cap) | 4189.9 | 4166.5 | 4144.5 | 4064.5 | 3878.3 | 3869.6 |
| Final Electricity per Capita (KWh/cap) | 5533.7 | 5884.0 | 6330.4 | 6508.7 | 6349.5 | 6339.2 |
| Primary Energy Intensity (toe/M€'10) | 148.3 | 134.5 | 130.7 | 120.1 | 106.1 | 105.0 |
| Import Dependency (%) | 56.8% | 59.4% | 60.5% | 60.3% | 61.7% | 61.9% |
| of Solid Fuels | 11.2% | 25.5% | 31.7% | 40.1% | 44.8% | 45.5% |
| of Hard Coal | 17.1% | 39.2% | 57.5% | 73.7% | 86.5% | 87.6% |
| of Petroleum Fuels | 95.8% | 94.6% | 97.1% | 96.5% | 95.7% | 96.4% |
| of Crude and NGL | 96.9% | 93.8% | 97.3% | 97.3% | 97.6% | 97.1% |
| of Natural Gas | 78.6% | 79.1% | 79.6% | 81.2% | 89.4% | 90.1% |
| Renewables in Gross Final Energy (%) | | | | | | |
| Overall RES with Aviation Cap | | | 6.7% | 10.5% | 13.8% | 14.6% |
| RES-H&C – Heating and Cooling | | | 6.8% | 9.8% | 12.2% | 12.9% |
| RES-E – Electricity Generation | | | 10.5% | 18.1% | 28.2% | 30.7% |
| RES-T – Transport | | | 4.0% | 6.4% | 7.3% | 6.8% |
| Gases Emissions (Mio ton CO₂) | | | | | | |
| CO ₂ Emissions* | 952.90 | 918.39 | 888.58 | 856.43 | 819.16 | 816.37 |
| GHGs Emissions* | 1135.75 | 1062.24 | 1014.86 | 965.97 | 928.83 | 926.48 |
| Main Emissions Indicators | | | | | | |
| CO ₂ per Capita (kg CO ₂ /cap) | 11686.5 | 11177.6 | 10770.6 | 10469.5 | 10142.2 | 10054.1 |
| Carbon Intensity (kg CO ₂ /toe) | 2772.5 | 2665.7 | 2580.1 | 2554.7 | 2596.1 | 2578.6 |
| CO ₂ GDP Intensity (ton CO ₂ /M€'10) | 444.2 | 389.4 | 366.2 | 331.9 | 298.5 | 292.5 |

* Total emissions without LULUCF, with ind. CO₂, including international aviation, excl. international maritime transport.

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

5.6 Estonia

| Mtoe, unless otherwise stated | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|
| Production | 3.89 | 3.55 | 4.39 | 5.60 | 6.58 | 6.50 |
| Solid Fuels | 3.06 | 2.67 | 3.18 | 3.94 | 4.53 | 4.20 |
| of which Hard Coal | | | | | | |
| Petroleum and Products | 0.48 | 0.37 | 0.52 | 0.67 | 0.80 | 0.95 |
| of which Crude and NGL | | | | | | |
| Gases | | | | | | |
| of which Natural Gas | | | | | | |
| Nuclear | | | | | | |
| Renewables | 0.35 | 0.51 | 0.69 | 0.99 | 1.19 | 1.29 |
| Wastes, Non-Renewable | | | | | 0.07 | 0.07 |
| Net Imports | 1.81 | 1.63 | 1.50 | 0.87 | 0.62 | 0.48 |
| Solid Fuels | 0.30 | 0.27 | 0.02 | -0.02 | 0.01 | -0.01 |
| of which Hard Coal | 0.05 | 0.06 | 0.04 | 0.05 | 0.05 | 0.01 |
| Petroleum and Products | 1.01 | 0.79 | 0.92 | 0.76 | 0.73 | 0.55 |
| of which Crude and NGL | | | | | | |
| Gases | 0.58 | 0.66 | 0.80 | 0.56 | 0.44 | 0.39 |
| of which Natural Gas | 0.58 | 0.66 | 0.80 | 0.56 | 0.44 | 0.39 |
| Renewables | -0.01 | -0.01 | -0.11 | -0.15 | -0.32 | -0.37 |
| Electricity | -0.07 | -0.08 | -0.14 | -0.28 | -0.24 | -0.08 |
| Gross Inland Consumption | 5.53 | 4.97 | 5.62 | 6.15 | 6.68 | 6.26 |
| Solid Fuels | 3.50 | 2.97 | 3.19 | 3.92 | 4.45 | 3.85 |
| of which Hard Coal | 0.05 | 0.06 | 0.04 | 0.04 | 0.05 | 0.02 |
| Petroleum and Products | 1.17 | 0.91 | 1.18 | 1.10 | 1.10 | 1.12 |
| of which Crude and NGL | | | | | | |
| Gases | 0.58 | 0.66 | 0.80 | 0.56 | 0.44 | 0.39 |
| of which Natural Gas | 0.58 | 0.66 | 0.80 | 0.56 | 0.44 | 0.39 |
| Nuclear | | | | | | |
| Renewables | 0.34 | 0.51 | 0.59 | 0.85 | 0.86 | 0.91 |
| Electricity | -0.07 | -0.08 | -0.14 | -0.28 | -0.24 | -0.08 |
| Wastes, Non-Renewable | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.07 |
| Primary Energy Consumption | 5.35 | 4.79 | 5.39 | 6.06 | 6.57 | 6.16 |
| Available for Final Consumption | 3.04 | 2.69 | 3.00 | 3.02 | 3.15 | 3.03 |
| Final Non-Energy Consumption | 0.18 | 0.18 | 0.23 | 0.09 | 0.11 | 0.10 |
| Final Energy Consumption | 2.56 | 2.43 | 2.88 | 2.91 | 2.82 | 2.77 |
| by Fuel/Product | | | | | | |
| Solid Fuels | 0.19 | 0.12 | 0.12 | 0.08 | 0.09 | 0.04 |
| Petroleum and Products | 0.85 | 0.77 | 0.98 | 0.94 | 0.97 | 0.99 |
| Gases | 0.25 | 0.18 | 0.26 | 0.21 | 0.22 | 0.22 |
| Biomass and Renewable Wastes | 0.28 | 0.43 | 0.45 | 0.55 | 0.48 | 0.48 |
| Solar | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Geothermal | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Electricity | 0.39 | 0.43 | 0.52 | 0.59 | 0.59 | 0.59 |
| Derived heat | 0.59 | 0.51 | 0.55 | 0.53 | 0.44 | 0.43 |
| Wastes, Non-Renewable | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.01 |
| by Sector | | | | | | |
| Industry | 0.84 | 0.57 | 0.72 | 0.58 | 0.56 | 0.52 |
| Transport | 0.50 | 0.59 | 0.77 | 0.79 | 0.78 | 0.79 |
| Residential | 0.96 | 0.93 | 0.89 | 1.03 | 0.89 | 0.86 |
| Services | 0.17 | 0.29 | 0.39 | 0.42 | 0.46 | 0.47 |
| Agriculture and Fishing | 0.08 | 0.06 | 0.11 | 0.10 | 0.13 | 0.13 |
| Other | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Installed Capacity (GW) | 0.00 | 2.80 | 2.56 | 2.75 | 3.03 | 2.86 |
| Combustible Fuels | 0.00 | 2.80 | 2.52 | 2.64 | 2.75 | 2.55 |
| Nuclear | | | | | | |
| Hydro | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 |
| Wind | 0.00 | 0.00 | 0.03 | 0.11 | 0.28 | 0.30 |
| Solar PV | | | | | | |
| Geothermal | | | | | | |
| Tide, Wave and Ocean | | | | | | |
| Other Sources | | | | | | |
| Gross Electricity Generation (TWh) | 8.69 | 8.51 | 10.21 | 12.96 | 12.45 | 10.42 |
| Solid Fuels | 8.29 | 7.68 | 9.30 | 11.17 | 10.36 | 8.04 |
| Petroleum and Products | 0.10 | 0.06 | 0.03 | 0.04 | 0.04 | 0.13 |
| Gases | 0.30 | 0.76 | 0.76 | 0.71 | 0.58 | 0.62 |
| Nuclear | | | | | | |
| Renewables | 0.01 | 0.02 | 0.11 | 1.04 | 1.39 | 1.50 |
| Wastes, non-RES | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.13 |
| Cogeneration Heat and Power | | | | | | |
| CHP Electrical Capacity (GW) | | | 0.38 | 0.45 | 0.47 | 0.43 |
| CHP Electricity Generation (TWh) | | | 1.04 | 1.34 | 1.24 | 1.24 |
| CHP in Total Electricity Generation (%) | | | 10.2% | 10.3% | 10.0% | 11.9% |
| CHP Heat Production (PJ) | | | 11.46 | 12.32 | 12.66 | 12.5 |
| Transport Fuels (ktoe) | | | | | | |
| Final Consumption Petroleum Products | 487.3 | 578.0 | 765.1 | 777.6 | 768.8 | 774.5 |
| Motor Gasoline | 263.8 | 299.2 | 308.9 | 289.0 | 241.7 | 240.7 |
| Gas/Diesel Oil | 203.9 | 257.2 | 407.8 | 450.6 | 486.0 | 509.2 |
| Final Consumption Biofuels | | | | | 5.8 | 3.2 |
| Biogasoline | | | | | 5.8 | 3.2 |
| Biodiesel | | | | | | |
| Main Energy Indicators | | | | | | |
| Energy Intensity (toe/M€'10) | 696.4 | 466.4 | 373.9 | 417.9 | 387.7 | 358.0 |
| Energy per Capita (kgoe/cap) | 3815.4 | 3549.0 | 4132.2 | 4612.6 | 5074.4 | 4757.1 |
| Final Electricity per Capita (KWh/cap) | 3146.2 | 3578.9 | 4444.9 | 5181.2 | 5248.4 | 5211.2 |
| Primary Energy Intensity (toe/M€'10) | 674.1 | 449.5 | 358.6 | 411.8 | 381.4 | 352.4 |
| Import Dependency (%) | 32.3% | 32.2% | 26.1% | 13.6% | 8.9% | 7.4% |
| of Solid Fuels | 8.4% | 9.1% | 0.8% | -0.6% | 0.2% | -0.3% |
| of Hard Coal | 101.9% | 116.4% | 97.2% | 117.9% | 103.9% | 26.3% |
| of Petroleum Fuels | 80.2% | 77.4% | 70.8% | 57.5% | 51.6% | 39.3% |
| of Crude and NGL | | | | | | |
| of Natural Gas | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Renewables in Gross Final Energy (%) | | | | | | |
| Overall RES with Aviation Cap | | | 17.5% | 24.6% | 26.3% | 28.6% |
| RES-H&C – Heating and Cooling | | | 32.2% | 43.3% | 45.2% | 49.6% |
| RES-E – Electricity Generation | | | 1.1% | 10.4% | 14.1% | 15.1% |
| RES-T – Transport | | | 0.2% | 0.4% | 0.4% | 0.4% |
| Gases Emissions (Mio ton CO₂) | | | | | | |
| CO ₂ Emissions* | 18.26 | 15.43 | 17.28 | 19.13 | 19.03 | 15.96 |
| GHGs Emissions* | 20.27 | 17.38 | 19.30 | 21.26 | 21.20 | 18.11 |
| Main Emissions Indicators | | | | | | |
| CO ₂ per Capita (kg CO ₂ /cap) | 12606.6 | 11008.8 | 12716.9 | 14345.4 | 14464.4 | 12137.4 |
| Carbon Intensity (kg CO ₂ /toe) | 3251.7 | 3037.8 | 3013.2 | 3004.0 | 2720.5 | 2438.7 |
| CO ₂ GDP Intensity (ton CO ₂ /M€'10) | 2301.1 | 1446.8 | 1150.7 | 1299.7 | 1105.0 | 913.4 |

* Total emissions without LULUCF, with ind. CO₂, including international aviation, excl. international maritime transport.

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

5.7 Ireland

| Mtoe, unless otherwise stated | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Production | 4.10 | 2.16 | 1.65 | 1.88 | 2.12 | 2.00 |
| Solid Fuels | 1.70 | 0.97 | 0.82 | 0.98 | 0.97 | 0.76 |
| of which Hard Coal | 0.00 | | | | | |
| Petroleum and Products | 0.00 | 0.00 | 0.00 | 0.04 | 0.11 | 0.09 |
| of which Crude and NGL | | | | | | |
| Gases | 2.25 | 0.96 | 0.46 | 0.22 | 0.12 | 0.11 |
| of which Natural Gas | 2.25 | 0.96 | 0.46 | 0.22 | 0.12 | 0.11 |
| Nuclear | | | | | | |
| Renewables | 0.16 | 0.24 | 0.37 | 0.62 | 0.85 | 0.98 |
| Wastes, Non-Renewable | 0.00 | 0.00 | 0.00 | 0.01 | 0.06 | 0.06 |
| Net Imports | 7.77 | 12.37 | 13.77 | 13.21 | 11.68 | 12.72 |
| Solid Fuels | 1.88 | 1.68 | 1.89 | 0.95 | 1.20 | 1.46 |
| of which Hard Coal | 1.87 | 1.67 | 1.87 | 0.95 | 1.19 | 1.46 |
| Petroleum and Products | 5.80 | 8.20 | 8.69 | 7.70 | 6.59 | 7.49 |
| of which Crude and NGL | 2.27 | 2.98 | 3.16 | 2.98 | 2.70 | 3.69 |
| Gases | 0.09 | 2.48 | 3.01 | 4.48 | 3.59 | 3.62 |
| of which Natural Gas | 0.09 | 2.48 | 3.01 | 4.48 | 3.59 | 3.62 |
| Renewables | 0.00 | 0.00 | 0.00 | 0.04 | 0.11 | 0.09 |
| Electricity | 0.00 | 0.01 | 0.18 | 0.04 | 0.18 | 0.06 |
| Gross Inland Consumption | 11.07 | 14.43 | 15.27 | 15.17 | 13.56 | 14.18 |
| Solid Fuels | 2.90 | 2.60 | 2.66 | 1.93 | 2.01 | 2.19 |
| of which Hard Coal | 1.76 | 1.80 | 1.86 | 1.19 | 1.23 | 1.42 |
| Petroleum and Products | 5.68 | 8.15 | 8.59 | 7.84 | 6.62 | 7.04 |
| of which Crude and NGL | 2.27 | 3.32 | 3.20 | 2.94 | 2.75 | 3.41 |
| Gases | 2.33 | 3.44 | 3.47 | 4.69 | 3.72 | 3.75 |
| of which Natural Gas | 2.33 | 3.44 | 3.47 | 4.69 | 3.72 | 3.75 |
| Nuclear | | | | | | |
| Renewables | 0.16 | 0.24 | 0.37 | 0.66 | 0.96 | 1.07 |
| Electricity | 0.00 | 0.01 | 0.18 | 0.04 | 0.19 | 0.06 |
| Wastes, Non-Renewable | 0.00 | 0.00 | 0.00 | 0.01 | 0.06 | 0.06 |
| Primary Energy Consumption | 10.49 | 13.75 | 14.75 | 14.82 | 13.35 | 13.96 |
| Available for Final Consumption | 8.30 | 11.05 | 12.02 | 12.20 | 11.07 | 11.63 |
| Final Non-Energy Consumption | 0.57 | 0.68 | 0.52 | 0.34 | 0.21 | 0.22 |
| Final Energy Consumption | 7.99 | 10.78 | 12.60 | 11.96 | 10.77 | 11.21 |
| by Fuel/Product | | | | | | |
| Solid Fuels | 0.94 | 0.67 | 0.75 | 0.60 | 0.51 | 0.51 |
| Petroleum and Products | 4.89 | 7.05 | 8.20 | 7.27 | 6.19 | 6.47 |
| Gases | 0.80 | 1.20 | 1.36 | 1.59 | 1.62 | 1.72 |
| Biomass and Renewable Wastes | 0.09 | 0.12 | 0.18 | 0.29 | 0.32 | 0.32 |
| Solar | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 |
| Geothermal | | | | | | |
| Electricity | 1.28 | 1.75 | 2.09 | 2.19 | 2.08 | 2.16 |
| Derived heat | | | | | | |
| Wastes, Non-Renewable | 0.00 | 0.00 | 0.00 | 0.01 | 0.04 | 0.04 |
| by Sector | | | | | | |
| Industry | 1.95 | 2.50 | 2.58 | 2.15 | 2.24 | 2.41 |
| Transport | 2.39 | 4.09 | 5.08 | 4.72 | 4.47 | 4.62 |
| Residential | 2.22 | 2.51 | 2.95 | 3.30 | 2.59 | 2.71 |
| Services | 1.09 | 1.37 | 1.64 | 1.52 | 1.24 | 1.25 |
| Agriculture and Fishing | 0.34 | 0.32 | 0.34 | 0.28 | 0.22 | 0.22 |
| Other | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Installed Capacity (GW) | 4.06 | 4.71 | 6.18 | 8.02 | 9.08 | 9.56 |
| Combustible Fuels | 3.54 | 4.06 | 5.13 | 6.41 | 6.34 | 6.59 |
| Nuclear | | | | | | |
| Hydro | 0.52 | 0.53 | 0.53 | 0.24 | 0.53 | 0.53 |
| Wind | 0.01 | 0.12 | 0.52 | 1.37 | 2.21 | 2.44 |
| Solar PV | | | | 0.00 | 0.00 | 0.00 |
| Geothermal | | | | | | |
| Tide, Wave and Ocean | | | | | | |
| Other Sources | | | | | | |
| Gross Electricity Generation (TWh) | 17.86 | 23.98 | 25.97 | 28.35 | 26.09 | 28.39 |
| Solid Fuels | 9.04 | 8.59 | 8.84 | 5.73 | 6.45 | 7.39 |
| Petroleum and Products | 2.68 | 4.64 | 3.34 | 0.60 | 0.26 | 0.41 |
| Gases | 5.16 | 9.26 | 11.57 | 18.11 | 12.64 | 12.37 |
| Nuclear | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Renewables | 0.98 | 1.49 | 2.22 | 3.91 | 6.67 | 8.15 |
| Wastes, non-RES | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.07 |
| Cogeneration Heat and Power | | | | | | |
| CHP Electrical Capacity (GW) | | | 0.11 | 0.29 | 0.31 | 0.3 |
| CHP Electricity Generation (TWh) | | | 0.60 | 1.92 | 2.04 | 2.1 |
| CHP in Total Electricity Generation (%) | | | 2.3% | 6.7% | 7.4% | 7.5% |
| CHP Heat Production (PJ) | | | 4.40 | 11.96 | 11.56 | 12.6 |
| Transport Fuels (ktoe) | | | | | | |
| Final Consumption Petroleum Products | 2 385.9 | 4 082.4 | 5 075.4 | 4 617.8 | 4 381.4 | 4 531.9 |
| Motor Gasoline | 1 104.4 | 1 590.0 | 1 823.3 | 1 527.2 | 1 178.9 | 1 020.3 |
| Gas/Diesel Oil | 851.3 | 1 832.9 | 2 369.8 | 2 303.6 | 2 438.1 | 2 664.6 |
| Final Consumption Biofuels | | | 1.2 | 93.3 | 89.7 | 88.2 |
| Biogasoline | | | | 30.4 | 24.7 | 24.1 |
| Biodiesel | | | 1.2 | 62.9 | 65.0 | 64.1 |
| Main Energy Indicators | | | | | | |
| Energy Intensity (toe/M€'10) | 141.4 | 115.7 | 93.5 | 90.7 | 74.9 | 62.0 |
| Energy per Capita (kgoe/cap) | 3 075.9 | 3 818.9 | 3 712.6 | 3 333.6 | 2 944.5 | 3 062.9 |
| Final Electricity per Capita (KWh/cap) | 4 127.7 | 5 370.9 | 5 922.7 | 5 587.5 | 5 240.7 | 5 415.9 |
| Primary Energy Intensity (toe/M€'10) | 134.1 | 110.3 | 90.3 | 88.7 | 73.7 | 61.0 |
| Import Dependency (%) | 69.5% | 84.8% | 89.6% | 86.6% | 85.3% | 88.7% |
| of Solid Fuels | 64.9% | 64.6% | 70.8% | 49.1% | 60.0% | 66.7% |
| of Hard Coal | 105.9% | 93.2% | 100.8% | 79.3% | 96.7% | 102.7% |
| of Petroleum Fuels | 100.1% | 98.8% | 100.0% | 97.2% | 97.6% | 103.9% |
| of Crude and NGL | 100.2% | 89.8% | 98.8% | 101.6% | 98.1% | 108.2% |
| of Natural Gas | 3.6% | 72.1% | 86.7% | 95.5% | 96.5% | 96.5% |
| Renewables in Gross Final Energy (%) | | | | | | |
| Overall RES with Aviation Cap | | | 2.9% | 5.6% | 8.7% | 9.2% |
| RES-H&C – Heating and Cooling | | | 3.5% | 4.5% | 6.6% | 6.4% |
| RES-E – Electricity Generation | | | 7.2% | 14.6% | 22.9% | 25.2% |
| RES-T – Transport | | | 0.1% | 2.4% | 5.8% | 6.5% |
| Gases Emissions (Mio ton CO₂) | | | | | | |
| CO ₂ Emissions* | 36.94 | 47.00 | 50.53 | 43.95 | 38.86 | 40.92 |
| GHGs Emissions* | 60.94 | 70.90 | 72.51 | 64.03 | 60.01 | 62.43 |
| Main Emissions Indicators | | | | | | |
| CO ₂ per Capita (kg CO ₂ /cap) | 10 269.0 | 12 442.8 | 12 289.3 | 9 659.5 | 8 438.2 | 8 839.0 |
| Carbon Intensity (kg CO ₂ /toe) | 3 303.6 | 3 224.0 | 3 287.3 | 2 881.5 | 2 838.5 | 2 853.8 |
| CO ₂ GDP Intensity (ton CO ₂ /M€'10) | 472.2 | 377.1 | 309.4 | 262.9 | 214.5 | 178.9 |

* Total emissions without LULUCF, with ind. CO₂, including international aviation, excl. international maritime transport.

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

5.8 Greece

| Mtoe, unless otherwise stated | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Production | 9.36 | 10.01 | 10.33 | 9.46 | 8.85 | 8.51 |
| Solid Fuels | 7.51 | 8.22 | 8.54 | 7.32 | 6.38 | 5.68 |
| of which Hard Coal | | | | | | |
| Petroleum and Products | 0.46 | 0.28 | 0.10 | 0.13 | 0.11 | 0.10 |
| of which Crude and NGL | 0.46 | 0.28 | 0.10 | 0.12 | 0.07 | 0.06 |
| Gases | 0.06 | 0.04 | 0.02 | 0.01 | 0.01 | 0.01 |
| of which Natural Gas | 0.04 | 0.04 | 0.02 | 0.01 | 0.01 | 0.01 |
| Nuclear | | | | | | |
| Renewables | 1.29 | 1.40 | 1.64 | 1.97 | 2.33 | 2.64 |
| Wastes, Non-Renewable | 0.04 | 0.06 | 0.03 | 0.03 | 0.02 | 0.09 |
| Net Imports | 18.29 | 22.15 | 23.50 | 21.72 | 17.36 | 18.81 |
| Solid Fuels | 0.92 | 0.77 | 0.36 | 0.40 | 0.19 | 0.16 |
| of which Hard Coal | 0.92 | 0.77 | 0.39 | 0.40 | 0.19 | 0.16 |
| Petroleum and Products | 17.30 | 19.70 | 20.48 | 17.44 | 13.83 | 15.02 |
| of which Crude and NGL | 14.86 | 19.60 | 17.99 | 19.54 | 21.04 | 22.26 |
| Gases | 0.00 | 1.69 | 2.33 | 3.23 | 2.47 | 2.67 |
| of which Natural Gas | 0.00 | 1.69 | 2.33 | 3.23 | 2.47 | 2.67 |
| Renewables | 0.00 | 0.00 | 0.00 | 0.16 | 0.12 | 0.13 |
| Electricity | 0.07 | 0.00 | 0.33 | 0.49 | 0.76 | 0.83 |
| Gross Inland Consumption | 23.87 | 28.29 | 31.41 | 28.72 | 24.37 | 24.45 |
| Solid Fuels | 8.39 | 9.04 | 8.94 | 7.86 | 6.69 | 5.61 |
| of which Hard Coal | 0.96 | 0.73 | 0.34 | 0.40 | 0.17 | 0.17 |
| Petroleum and Products | 14.02 | 16.09 | 18.12 | 14.97 | 11.98 | 12.48 |
| of which Crude and NGL | 15.05 | 19.70 | 18.90 | 19.64 | 20.96 | 21.94 |
| Gases | 0.06 | 1.71 | 2.35 | 3.24 | 2.48 | 2.68 |
| of which Natural Gas | 0.04 | 1.71 | 2.35 | 3.24 | 2.48 | 2.68 |
| Nuclear | | | | | | |
| Renewables | 1.29 | 1.40 | 1.64 | 2.13 | 2.45 | 2.78 |
| Electricity | 0.07 | 0.00 | 0.33 | 0.49 | 0.76 | 0.83 |
| Wastes, Non-Renewable | 0.04 | 0.06 | 0.03 | 0.03 | 0.02 | 0.09 |
| Primary Energy Consumption | 23.37 | 27.57 | 30.65 | 27.61 | 23.67 | 23.75 |
| Available for Final Consumption | 16.40 | 19.08 | 21.39 | 19.66 | 16.23 | 17.15 |
| Final Non-Energy Consumption | 0.49 | 0.72 | 0.76 | 1.11 | 0.71 | 0.70 |
| Final Energy Consumption | 15.81 | 18.68 | 20.96 | 19.00 | 15.52 | 16.50 |
| by Fuel/Product | | | | | | |
| Solid Fuels | 1.04 | 0.89 | 0.46 | 0.30 | 0.23 | 0.22 |
| Petroleum and Products | 10.84 | 12.74 | 14.41 | 12.11 | 8.81 | 9.39 |
| Gases | 0.01 | 0.26 | 0.59 | 0.78 | 0.84 | 0.97 |
| Biomass and Renewable Wastes | 0.90 | 0.95 | 0.96 | 0.99 | 1.14 | 1.23 |
| Solar | 0.08 | 0.10 | 0.10 | 0.18 | 0.19 | 0.20 |
| Geothermal | 0.00 | 0.00 | 0.01 | 0.02 | 0.01 | 0.01 |
| Electricity | 2.93 | 3.71 | 4.38 | 4.57 | 4.26 | 4.37 |
| Derived heat | 0.00 | 0.03 | 0.05 | 0.05 | 0.05 | 0.05 |
| Wastes, Non-Renewable | | | | | | |
| by Sector | | | | | | |
| Industry | 4.01 | 4.45 | 4.16 | 3.47 | 3.09 | 3.13 |
| Transport | 6.52 | 7.30 | 8.19 | 8.16 | 6.41 | 6.58 |
| Residential | 3.33 | 4.50 | 5.51 | 4.62 | 3.79 | 4.40 |
| Services | 0.94 | 1.31 | 1.95 | 1.95 | 1.71 | 1.87 |
| Agriculture and Fishing | 1.01 | 1.12 | 1.15 | 0.80 | 0.28 | 0.27 |
| Other | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.25 |

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Installed Capacity (GW) | 8.94 | 10.90 | 13.31 | 15.31 | 18.90 | 18.94 |
| Combustible Fuels | 6.39 | 7.61 | 9.71 | 10.60 | 10.93 | 10.86 |
| Nuclear | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hydro | 2.52 | 3.07 | 3.11 | 3.22 | 3.39 | 3.39 |
| Wind | 0.03 | 0.23 | 0.49 | 1.30 | 1.98 | 2.09 |
| Solar PV | 0.00 | 0.00 | 0.00 | 0.20 | 2.60 | 2.60 |
| Geothermal | 0.00 | | | | | |
| Tide, Wave and Ocean | | | | | | |
| Other Sources | | | | | | |
| Gross Electricity Generation (TWh) | 41.55 | 53.84 | 60.02 | 57.39 | 50.47 | 51.87 |
| Solid Fuels | 28.70 | 34.31 | 35.54 | 30.80 | 25.75 | 22.11 |
| Petroleum and Products | 8.86 | 8.89 | 9.21 | 6.09 | 5.54 | 5.66 |
| Gases | 0.08 | 5.92 | 8.17 | 9.83 | 6.78 | 9.09 |
| Nuclear | | | | | | |
| Renewables | 3.82 | 4.56 | 7.00 | 10.55 | 12.31 | 14.90 |
| Wastes, non-RES | 0.10 | 0.16 | 0.10 | 0.13 | 0.10 | 0.11 |
| Cogeneration Heat and Power | | | | | | |
| CHP Electrical Capacity (GW) | | | 0.24 | 0.59 | 0.55 | 0.6 |
| CHP Electricity Generation (TWh) | | | 1.02 | 2.48 | 1.89 | 2.0 |
| CHP in Total Electricity Generation (%) | | | 1.7% | 4.3% | 3.7% | 3.9% |
| CHP Heat Production (PJ) | | | 9.70 | 12.71 | 10.07 | 10.9 |
| Transport Fuels (ktoe) | | | | | | |
| Final Consumption Petroleum Products | 6504.1 | 7277.8 | 8156.9 | 8004.0 | 6235.2 | 6387.1 |
| Motor Gasoline | 2921.3 | 3463.9 | 4169.6 | 3867.4 | 2643.1 | 2573.7 |
| Gas/Diesel Oil | 2037.0 | 2247.1 | 2482.7 | 2729.9 | 2155.0 | 2253.7 |
| Final Consumption Biofuels | | | | 123.9 | 134.5 | 141.5 |
| Biogasoline | | | | | | |
| Biodiesel | | | | 123.9 | 134.5 | 141.5 |
| Main Energy Indicators | | | | | | |
| Energy Intensity (toe/M€'10) | 150.3 | 149.0 | 136.7 | 127.1 | 131.8 | 132.5 |
| Energy per Capita (kgoe/cap) | 2265.2 | 2625.6 | 2863.3 | 2582.7 | 2230.3 | 2251.7 |
| Final Electricity per Capita (KWh/cap) | 3235.3 | 4004.5 | 4640.3 | 4777.3 | 4530.1 | 4677.4 |
| Primary Energy Intensity (toe/M€'10) | 147.2 | 145.2 | 133.4 | 122.2 | 128.0 | 128.7 |
| Import Dependency (%) | 66.7% | 69.5% | 68.6% | 69.1% | 66.2% | 71.7% |
| of Solid Fuels | 11.0% | 8.5% | 4.1% | 5.1% | 2.9% | 2.8% |
| of Hard Coal | 95.2% | 105.9% | 112.5% | 100.3% | 109.8% | 91.4% |
| of Petroleum Fuels | 98.4% | 100.2% | 97.7% | 98.7% | 99.9% | 105.4% |
| of Crude and NGL | 98.8% | 99.5% | 95.2% | 99.5% | 100.4% | 101.5% |
| of Natural Gas | 0.0% | 99.1% | 99.1% | 99.9% | 99.3% | 99.9% |
| Renewables in Gross Final Energy (%) | | | | | | |
| Overall RES with Aviation Cap | | | 7.0% | 9.8% | 15.3% | 15.4% |
| RES-H&C – Heating and Cooling | | | 12.8% | 17.9% | 26.9% | 25.9% |
| RES-E – Electricity Generation | | | 8.2% | 12.3% | 21.9% | 22.1% |
| RES-T – Transport | | | 0.1% | 1.9% | 1.3% | 1.4% |
| Gases Emissions (Mio ton CO₂) | | | | | | |
| CO ₂ Emissions* | 89.58 | 105.51 | 116.53 | 99.93 | 81.49 | 77.83 |
| GHGs Emissions* | 111.79 | 128.87 | 138.88 | 120.92 | 102.21 | 98.61 |
| Main Emissions Indicators | | | | | | |
| CO ₂ per Capita (kg CO ₂ /cap) | 8502.6 | 9791.4 | 10622.3 | 8986.8 | 7457.6 | 7168.2 |
| Carbon Intensity (kg CO ₂ /toe) | 3267.4 | 3310.9 | 3401.7 | 3179.6 | 3106.1 | 2967.1 |
| CO ₂ GDP Intensity (ton CO ₂ /M€'10) | 564.2 | 555.6 | 507.1 | 442.1 | 440.8 | 421.9 |

* Total emissions without LULUCF, with ind. CO₂, including international aviation, excl. international maritime transport.

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

5.9 Spain

| Mtoe, unless otherwise stated | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|
| Production | 31.43 | 31.49 | 30.09 | 34.53 | 35.10 | 33.60 |
| Solid Fuels | 10.15 | 7.97 | 6.27 | 3.30 | 1.63 | 1.25 |
| of which Hard Coal | 8.28 | 6.46 | 5.09 | 3.30 | 1.63 | 1.25 |
| Petroleum and Products | 0.80 | 0.24 | 0.21 | 0.36 | 0.46 | 0.40 |
| of which Crude and NGL | 0.80 | 0.23 | 0.17 | 0.12 | 0.30 | 0.23 |
| Gases | 0.45 | 0.23 | 0.19 | 0.08 | 0.02 | 0.05 |
| of which Natural Gas | 0.38 | 0.15 | 0.14 | 0.05 | 0.02 | 0.05 |
| Nuclear | 14.31 | 16.05 | 14.84 | 15.99 | 14.78 | 14.78 |
| Renewables | 5.51 | 6.82 | 8.40 | 14.64 | 18.00 | 16.87 |
| Wastes, Non-Renewable | 0.21 | 0.19 | 0.19 | 0.17 | 0.20 | 0.25 |
| Net Imports | 75.42 | 99.34 | 123.83 | 106.34 | 90.66 | 94.43 |
| Solid Fuels | 8.61 | 12.84 | 14.42 | 6.98 | 8.85 | 10.36 |
| of which Hard Coal | 8.09 | 13.25 | 14.74 | 7.09 | 8.77 | 10.23 |
| Petroleum and Products | 58.91 | 70.65 | 79.28 | 68.70 | 57.76 | 60.70 |
| of which Crude and NGL | 55.34 | 57.70 | 59.94 | 52.69 | 58.81 | 64.87 |
| Gases | 7.52 | 15.47 | 30.25 | 30.95 | 24.50 | 23.78 |
| of which Natural Gas | 7.52 | 15.47 | 30.25 | 30.95 | 24.50 | 23.78 |
| Renewables | | | | 0.42 | -0.16 | -0.40 |
| Electricity | 0.39 | 0.38 | -0.12 | -0.72 | -0.29 | -0.01 |
| Gross Inland Consumption | 102.08 | 123.64 | 144.22 | 130.25 | 116.68 | 121.42 |
| Solid Fuels | 18.99 | 20.94 | 20.57 | 8.16 | 11.49 | 13.24 |
| of which Hard Coal | 16.68 | 19.83 | 19.82 | 8.30 | 11.42 | 13.08 |
| Petroleum and Products | 54.89 | 63.97 | 70.46 | 60.44 | 49.07 | 52.00 |
| of which Crude and NGL | 55.82 | 57.33 | 59.91 | 53.04 | 58.79 | 65.17 |
| Gases | 7.79 | 15.31 | 29.89 | 31.16 | 23.67 | 24.54 |
| of which Natural Gas | 7.72 | 15.22 | 29.84 | 31.13 | 23.67 | 24.54 |
| Nuclear | 14.31 | 16.05 | 14.84 | 15.99 | 14.78 | 14.78 |
| Renewables | 5.51 | 6.82 | 8.40 | 15.05 | 17.77 | 16.62 |
| Electricity | 0.39 | 0.38 | -0.12 | -0.72 | -0.29 | -0.01 |
| Wastes, Non-Renewable | 0.21 | 0.19 | 0.19 | 0.17 | 0.20 | 0.25 |
| Primary Energy Consumption | 94.20 | 114.25 | 135.87 | 123.22 | 112.57 | 117.11 |
| Available for Final Consumption | 72.46 | 88.79 | 105.95 | 95.95 | 81.44 | 83.18 |
| Final Non-Energy Consumption | 7.87 | 9.40 | 8.35 | 7.03 | 4.11 | 4.31 |
| Final Energy Consumption | 64.03 | 79.90 | 97.77 | 89.08 | 79.23 | 80.46 |
| by Fuel/Product | | | | | | |
| Solid Fuels | 2.24 | 1.77 | 1.71 | 1.26 | 1.30 | 1.31 |
| Petroleum and Products | 39.51 | 46.31 | 53.46 | 46.79 | 38.80 | 40.47 |
| Gases | 6.84 | 12.14 | 17.98 | 14.65 | 14.52 | 13.45 |
| Biomass and Renewable Wastes | 3.23 | 3.43 | 3.72 | 5.14 | 4.83 | 4.99 |
| Solar | 0.03 | 0.03 | 0.06 | 0.18 | 0.26 | 0.28 |
| Geothermal | 0.00 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 |
| Electricity | 12.12 | 16.21 | 20.83 | 21.05 | 19.51 | 19.95 |
| Derived heat | | | | | | |
| Wastes, Non-Renewable | 0.08 | | | | | |
| by Sector | | | | | | |
| Industry | 20.54 | 25.38 | 30.98 | 21.45 | 20.01 | 18.92 |
| Transport | 26.44 | 33.23 | 39.94 | 37.19 | 31.99 | 33.60 |
| Residential | 10.01 | 12.00 | 15.13 | 16.92 | 14.71 | 14.88 |
| Services | 4.33 | 6.71 | 8.42 | 9.80 | 8.85 | 10.04 |
| Agriculture and Fishing | 2.20 | 2.57 | 3.11 | 2.24 | 2.77 | 2.49 |
| Other | 0.51 | 0.00 | 0.19 | 1.49 | 0.91 | 0.55 |

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|
| Installed Capacity (GW) | 45.62 | 53.92 | 76.57 | 101.79 | 106.47 | 106.90 |
| Combustible Fuels | 21.94 | 26.24 | 40.80 | 50.46 | 49.79 | 49.35 |
| Nuclear | 7.07 | 7.50 | 7.58 | 7.45 | 7.40 | 7.40 |
| Hydro | 16.51 | 17.96 | 18.22 | 18.54 | 19.22 | 20.05 |
| Wind | 0.10 | 2.21 | 9.92 | 20.69 | 22.98 | 22.94 |
| Solar PV | 0.01 | 0.01 | 0.06 | 3.92 | 4.79 | 4.86 |
| Geothermal | | | | | | |
| Tide, Wave and Ocean | | | | | | |
| Other Sources | | | | | | |
| Gross Electricity Generation (TWh) | 167.09 | 224.47 | 294.08 | 301.53 | 278.75 | 281.02 |
| Solid Fuels | 65.91 | 79.09 | 79.05 | 25.33 | 43.81 | 51.37 |
| Petroleum and Products | 14.62 | 22.58 | 24.42 | 16.56 | 14.12 | 17.24 |
| Gases | 4.92 | 21.94 | 80.73 | 95.84 | 48.76 | 53.81 |
| Nuclear | 55.46 | 62.21 | 57.54 | 61.99 | 57.31 | 57.31 |
| Renewables | 25.87 | 38.05 | 46.90 | 100.98 | 114.07 | 100.32 |
| Wastes, non-RES | 0.31 | 0.61 | 0.45 | 0.66 | 0.69 | 0.77 |
| Cogeneration Heat and Power | | | | | | |
| CHP Electrical Capacity (GW) | | | 3.05 | 3.38 | 3.91 | 3.5 |
| CHP Electricity Generation (TWh) | | | 22.88 | 22.42 | 23.29 | 22.7 |
| CHP in Total Electricity Generation (%) | | | 7.8% | 7.4% | 8.4% | 8.1% |
| CHP Heat Production (PJ) | | | 192.5 | 153.3 | 138.2 | 120.3 |
| Transport Fuels (ktoe) | | | | | | |
| Final Consumption Petroleum Products | 261005 | 32791.1 | 392269 | 354094 | 305956 | 318025 |
| Motor Gasoline | 9152.0 | 9141.3 | 7785.8 | 5695.6 | 4596.4 | 4623.2 |
| Gas/Diesel Oil | 13372.7 | 18858.7 | 25976.9 | 24171.5 | 20577.0 | 21383.4 |
| Final Consumption Biofuels | | 70.3 | 255.7 | 1411.7 | 950.8 | 958.2 |
| Biogasoline | | | 113.3 | 230.4 | 186.3 | 188.8 |
| Biodiesel | | 70.3 | 142.4 | 1181.3 | 764.5 | 769.4 |
| Main Energy Indicators | | | | | | |
| Energy Intensity (toe/M€'10) | 143.7 | 142.5 | 140.7 | 120.5 | 112.7 | 113.7 |
| Energy per Capita (kgoe/cap) | 2,575.1 | 3,055.1 | 3,331.1 | 2,801.9 | 2,508.6 | 2,614.0 |
| Final Electricity per Capita (KWh/cap) | 3,554.8 | 4,656.7 | 5,594.5 | 5,266.1 | 4,878.2 | 4,995.5 |
| Primary Energy Intensity (toe/M€'10) | 132.6 | 131.6 | 132.5 | 114.0 | 108.8 | 109.6 |
| Import Dependency (%) | 71.7% | 76.6% | 81.4% | 76.7% | 72.9% | 73.3% |
| of Solid Fuels | 45.4% | 61.3% | 70.1% | 85.5% | 77.1% | 78.3% |
| of Hard Coal | 48.5% | 66.8% | 74.4% | 85.4% | 76.8% | 78.2% |
| of Petroleum Fuels | 101.5% | 101.0% | 101.2% | 99.9% | 101.7% | 102.1% |
| of Crude and NGL | 99.1% | 100.6% | 100.1% | 99.3% | 100.0% | 99.5% |
| of Natural Gas | 97.4% | 101.6% | 101.4% | 99.4% | 103.5% | 96.9% |
| Renewables in Gross Final Energy (%) | | | | | | |
| Overall RES with Aviation Cap | | | 8.4% | 13.8% | 16.1% | 16.2% |
| RES-H&C – Heating and Cooling | | | 9.4% | 12.6% | 15.7% | 16.8% |
| RES-E – Electricity Generation | | | 19.1% | 29.8% | 37.8% | 36.9% |
| RES-T – Transport | | | 1.3% | 5.0% | 0.8% | 1.7% |
| Gases Emissions (Mio ton CO₂) | | | | | | |
| CO ₂ Emissions* | 274.51 | 322.03 | 382.44 | 297.07 | 268.58 | 286.35 |
| GHGs Emissions* | 335.17 | 395.76 | 451.58 | 369.56 | 338.28 | 350.40 |
| Main Emissions Indicators | | | | | | |
| CO ₂ per Capita (kg CO ₂ /cap) | 6,925.1 | 7,957.1 | 8,833.1 | 6,390.3 | 5,774.5 | 6,164.7 |
| Carbon Intensity (kg CO ₂ /toe) | 2,608.6 | 2,484.6 | 2,514.9 | 2,143.3 | 2,158.6 | 2,222.5 |
| CO ₂ GDP Intensity (ton CO ₂ /M€'10) | 386.4 | 371.0 | 373.0 | 274.8 | 259.5 | 268.0 |

* Total emissions without LULUCF, with ind. CO₂, including international aviation, excl. international maritime transport.

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

5.10 France

| Mtoe, unless otherwise stated | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|
| Production | 127.36 | 130.14 | 136.20 | 134.90 | 136.94 | 137.56 |
| Solid Fuels | 6.02 | 2.48 | 0.38 | 0.16 | 0.19 | 0.00 |
| of which Hard Coal | 5.44 | 2.36 | 0.38 | 0.16 | 0.19 | 0.00 |
| Petroleum and Products | 3.48 | 2.39 | 1.64 | 1.70 | 1.89 | 1.94 |
| of which Crude and NGL | 2.98 | 1.69 | 1.24 | 0.94 | 0.78 | 0.85 |
| Gases | 2.79 | 1.51 | 0.91 | 0.65 | 0.02 | 0.03 |
| of which Natural Gas | 2.79 | 1.51 | 0.91 | 0.65 | 0.02 | 0.03 |
| Nuclear | 97.31 | 107.09 | 116.47 | 110.54 | 112.59 | 112.84 |
| Renewables | 17.04 | 15.74 | 15.73 | 20.65 | 21.01 | 21.42 |
| Wastes, Non-Renewable | 0.72 | 0.93 | 1.06 | 1.20 | 1.24 | 1.35 |
| Net Imports | 117.06 | 134.08 | 143.96 | 131.95 | 115.33 | 116.84 |
| Solid Fuels | 9.14 | 13.01 | 13.51 | 12.19 | 9.21 | 8.69 |
| of which Hard Coal | 8.66 | 12.44 | 12.81 | 11.32 | 8.71 | 8.29 |
| Petroleum and Products | 86.44 | 91.27 | 94.97 | 82.69 | 77.74 | 78.65 |
| of which Crude and NGL | 78.65 | 86.84 | 85.22 | 64.95 | 54.90 | 58.18 |
| Gases | 27.49 | 35.78 | 40.72 | 39.55 | 33.79 | 34.59 |
| of which Natural Gas | 27.49 | 35.78 | 40.72 | 39.55 | 33.79 | 34.59 |
| Renewables | 0.00 | 0.01 | -0.05 | 0.16 | 0.38 | 0.43 |
| Electricity | -6.01 | -5.97 | -5.19 | -2.64 | -5.78 | -5.51 |
| Gross Inland Consumption | 241.78 | 257.54 | 276.38 | 266.89 | 248.45 | 252.62 |
| Solid Fuels | 16.08 | 15.05 | 14.30 | 12.08 | 9.34 | 8.83 |
| of which Hard Coal | 14.94 | 14.24 | 13.80 | 11.25 | 8.93 | 8.56 |
| Petroleum and Products | 87.06 | 88.94 | 93.04 | 82.37 | 77.11 | 78.26 |
| of which Crude and NGL | 82.08 | 88.19 | 86.80 | 66.13 | 56.02 | 58.91 |
| Gases | 29.58 | 35.77 | 41.03 | 42.54 | 32.60 | 35.05 |
| of which Natural Gas | 29.58 | 35.77 | 41.03 | 42.54 | 32.60 | 35.05 |
| Nuclear | 97.31 | 107.09 | 116.47 | 110.54 | 112.59 | 112.84 |
| Renewables | 17.04 | 15.74 | 15.68 | 20.80 | 21.35 | 21.81 |
| Electricity | -6.01 | -5.97 | -5.19 | -2.64 | -5.78 | -5.51 |
| Wastes, Non-Renewable | 0.72 | 0.93 | 1.06 | 1.20 | 1.24 | 1.35 |
| Primary Energy Consumption | 225.92 | 241.36 | 260.27 | 252.94 | 234.59 | 239.27 |
| Available for Final Consumption | 156.87 | 166.22 | 177.09 | 170.66 | 157.05 | 160.34 |
| Final Non-Energy Consumption | 15.86 | 16.18 | 16.12 | 13.95 | 13.86 | 13.35 |
| Final Energy Consumption | 143.48 | 155.31 | 160.77 | 155.30 | 140.35 | 144.12 |
| by Fuel/Product | | | | | | |
| Solid Fuels | 6.49 | 5.78 | 5.22 | 4.55 | 3.27 | 4.11 |
| Petroleum and Products | 69.82 | 73.18 | 71.45 | 64.60 | 60.36 | 61.13 |
| Gases | 27.25 | 30.91 | 34.34 | 32.77 | 27.78 | 28.32 |
| Biomass and Renewable Wastes | 9.67 | 8.82 | 9.14 | 11.49 | 10.86 | 11.41 |
| Solar | 0.03 | 0.02 | 0.03 | 0.06 | 0.10 | 0.10 |
| Geothermal | 0.13 | 0.13 | 0.02 | 0.02 | 0.03 | 0.03 |
| Electricity | 29.48 | 33.10 | 36.35 | 38.19 | 35.67 | 36.54 |
| Derived heat | 0.55 | 3.24 | 4.16 | 3.53 | 2.16 | 2.35 |
| Wastes, Non-Renewable | 0.08 | 0.15 | 0.06 | 0.10 | 0.13 | 0.13 |
| by Sector | | | | | | |
| Industry | 36.20 | 37.35 | 33.48 | 28.46 | 27.33 | 28.64 |
| Transport | 45.70 | 50.41 | 50.26 | 49.47 | 49.34 | 50.08 |
| Residential | 35.79 | 40.79 | 43.07 | 43.10 | 36.24 | 37.66 |
| Services | 20.72 | 18.36 | 20.76 | 23.18 | 22.16 | 22.54 |
| Agriculture and Fishing | 4.07 | 4.28 | 4.68 | 4.52 | 4.49 | 4.43 |
| Other | 1.01 | 4.14 | 8.51 | 6.58 | 0.78 | 0.78 |

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|
| Installed Capacity (GW) | 107.62 | 114.67 | 115.76 | 124.55 | 128.94 | 129.31 |
| Combustible Fuels | 23.87 | 26.07 | 26.45 | 28.82 | 24.41 | 22.55 |
| Nuclear | 58.52 | 63.18 | 63.26 | 63.13 | 63.13 | 63.13 |
| Hydro | 24.99 | 25.13 | 25.11 | 25.40 | 25.29 | 25.28 |
| Wind | 0.00 | 0.04 | 0.69 | 5.91 | 9.07 | 10.22 |
| Solar PV | 0.00 | 0.01 | 0.01 | 1.04 | 5.65 | 6.76 |
| Geothermal | | | | | 0.00 | 0.00 |
| Tide, Wave and Ocean | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 |
| Other Sources | | | | | 1.14 | 1.13 |
| Gross Electricity Generation (TWh) | 494.27 | 539.95 | 576.06 | 569.10 | 563.69 | 568.45 |
| Solid Fuels | 24.18 | 27.00 | 27.52 | 23.36 | 9.52 | 9.65 |
| Petroleum and Products | 7.75 | 7.17 | 7.93 | 5.52 | 2.10 | 2.16 |
| Gases | 6.22 | 15.37 | 26.26 | 26.71 | 15.30 | 22.32 |
| Nuclear | 377.23 | 415.16 | 451.53 | 428.52 | 436.47 | 437.43 |
| Renewables | 78.53 | 74.17 | 61.18 | 83.01 | 97.60 | 94.32 |
| Wastes, non-RES | 0.37 | 1.08 | 1.66 | 1.97 | 2.15 | 2.25 |
| Cogeneration Heat and Power | | | | | | |
| CHP Electrical Capacity (GW) | | | 6.60 | 4.61 | 6.17 | 5.6 |
| CHP Electricity Generation (TWh) | | | 23.21 | 15.69 | 11.62 | 13.9 |
| CHP in Total Electricity Generation (%) | | | 4.0% | 2.8% | 2.1% | 2.5% |
| CHP Heat Production (PJ) | | | 209.20 | 173.95 | 132.04 | 154.9 |
| Transport Fuels (ktoe) | | | | | | |
| Final Consumption Petroleum Products | 44879.4 | 49275.8 | 48778.9 | 46118.7 | 45441.8 | 46103.9 |
| Motor Gasoline | 16711.5 | 14654.6 | 11427.7 | 7870.5 | 6790.6 | 6869.9 |
| Gas/Diesel Oil | 23351.7 | 28171.7 | 30814.3 | 31752.8 | 32084.8 | 32383.0 |
| Final Consumption Biofuels | 154.4 | 324.5 | 581.6 | 2400.5 | 2906.2 | 2949.1 |
| Biogasoline | 24.3 | 58.2 | 99.9 | 395.6 | 406.5 | 421.2 |
| Biodiesel | 130.1 | 266.3 | 481.7 | 2004.9 | 2499.7 | 2527.9 |
| Main Energy Indicators | | | | | | |
| Energy Intensity (toe/M€'10) | 157.5 | 145.4 | 143.7 | 133.5 | 119.7 | 120.5 |
| Energy per Capita (kgoe/cap) | 4076.1 | 4253.7 | 4402.9 | 4127.6 | 3767.8 | 3799.4 |
| Final Electricity per Capita (KWh/cap) | 5780.1 | 6357.3 | 6734.9 | 6868.2 | 6290.5 | 6390.9 |
| Primary Energy Intensity (toe/M€'10) | 147.2 | 136.2 | 135.3 | 126.6 | 113.1 | 114.1 |
| Import Dependency (%) | 48.0% | 51.5% | 51.6% | 49.0% | 46.1% | 46.0% |
| of Solid Fuels | 56.8% | 86.4% | 94.5% | 101.0% | 98.6% | 98.4% |
| of Hard Coal | 58.0% | 87.3% | 92.9% | 100.6% | 97.5% | 96.8% |
| of Petroleum Fuels | 96.9% | 99.5% | 99.3% | 97.7% | 98.5% | 98.5% |
| of Crude and NGL | 95.8% | 98.5% | 98.2% | 98.2% | 98.0% | 98.8% |
| of Natural Gas | 93.0% | 100.0% | 99.3% | 93.0% | 103.6% | 98.7% |
| Renewables in Gross Final Energy (%) | | | | | | |
| Overall RES with Aviation Cap | | | 9.5% | 12.5% | 14.7% | 15.2% |
| RES-H&C – Heating and Cooling | | | 12.2% | 15.8% | 18.8% | 19.8% |
| RES-E – Electricity Generation | | | 13.7% | 14.8% | 18.3% | 18.8% |
| RES-T – Transport | | | 2.1% | 6.5% | 8.4% | 8.5% |
| Gases Emissions (Mio ton CO₂) | | | | | | |
| CO ₂ Emissions* | 408.37 | 428.96 | 439.89 | 404.02 | 348.05 | 353.90 |
| GHGs Emissions* | 554.63 | 566.36 | 569.14 | 527.68 | 470.04 | 474.61 |
| Main Emissions Indicators | | | | | | |
| CO ₂ per Capita (kg CO ₂ /cap) | 6884.8 | 7085.0 | 7007.7 | 6248.5 | 5278.1 | 5322.7 |
| Carbon Intensity (kg CO ₂ /toe) | 1674.4 | 1647.7 | 1577.0 | 1500.9 | 1390.7 | 1392.0 |
| CO ₂ GDP Intensity (ton CO ₂ /M€'10) | 266.0 | 242.1 | 228.7 | 202.2 | 167.7 | 168.7 |

* Total emissions without LULUCF, with ind. CO₂, including international aviation, excl. international maritime transport.

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

5.11 Croatia

| Mtoe, unless otherwise stated | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|
| Production | 5.00 | 4.26 | 4.75 | 5.16 | 4.43 | 4.47 |
| Solid Fuels | 0.05 | | | | | |
| of which Hard Coal | 0.05 | | | | | |
| Petroleum and Products | 1.80 | 1.35 | 1.03 | 0.77 | 0.68 | 0.76 |
| of which Crude and NGL | 1.80 | 1.35 | 1.03 | 0.76 | 0.61 | 0.69 |
| Gases | 1.61 | 1.36 | 1.87 | 2.22 | 1.44 | 1.47 |
| of which Natural Gas | 1.61 | 1.36 | 1.87 | 2.22 | 1.44 | 1.47 |
| Nuclear | | | | | | |
| Renewables | 1.54 | 1.56 | 1.86 | 2.17 | 2.29 | 2.23 |
| Wastes, Non-Renewable | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 |
| Net Imports | 2.85 | 4.08 | 5.15 | 4.39 | 3.59 | 4.12 |
| Solid Fuels | 0.15 | 0.48 | 0.62 | 0.70 | 0.60 | 0.62 |
| of which Hard Coal | 0.07 | 0.44 | 0.57 | 0.66 | 0.56 | 0.59 |
| Petroleum and Products | 2.21 | 2.41 | 3.58 | 2.98 | 2.35 | 2.62 |
| of which Crude and NGL | 3.98 | 3.91 | 4.02 | 3.56 | 1.87 | 2.34 |
| Gases | 0.22 | 0.91 | 0.56 | 0.48 | 0.58 | 0.56 |
| of which Natural Gas | 0.22 | 0.91 | 0.56 | 0.48 | 0.58 | 0.56 |
| Renewables | | | | -0.10 | -0.27 | -0.27 |
| Electricity | 0.27 | 0.29 | 0.38 | 0.34 | 0.34 | 0.58 |
| Gross Inland Consumption | 7.86 | 8.42 | 9.78 | 9.43 | 8.20 | 8.53 |
| Solid Fuels | 0.18 | 0.43 | 0.68 | 0.68 | 0.65 | 0.61 |
| of which Hard Coal | 0.09 | 0.39 | 0.63 | 0.64 | 0.61 | 0.57 |
| Petroleum and Products | 3.94 | 3.93 | 4.49 | 3.70 | 3.17 | 3.28 |
| of which Crude and NGL | 5.76 | 5.43 | 5.10 | 4.33 | 2.48 | 2.94 |
| Gases | 1.93 | 2.21 | 2.37 | 2.63 | 2.02 | 2.08 |
| of which Natural Gas | 1.93 | 2.21 | 2.37 | 2.63 | 2.02 | 2.08 |
| Nuclear | | | | | | |
| Renewables | 1.54 | 1.56 | 1.86 | 2.07 | 2.01 | 1.96 |
| Electricity | 0.27 | 0.29 | 0.38 | 0.34 | 0.34 | 0.58 |
| Wastes, Non-Renewable | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 |
| Primary Energy Consumption | 7.05 | 7.77 | 9.11 | 8.83 | 7.66 | 8.00 |
| Available for Final Consumption | 6.10 | 6.66 | 7.91 | 7.81 | 6.78 | 7.12 |
| Final Non-Energy Consumption | 0.81 | 0.66 | 0.68 | 0.60 | 0.54 | 0.53 |
| Final Energy Consumption | 5.28 | 6.00 | 7.24 | 7.21 | 6.24 | 6.59 |
| by Fuel/Product | | | | | | |
| Solid Fuels | 0.11 | 0.07 | 0.15 | 0.15 | 0.10 | 0.08 |
| Petroleum and Products | 2.11 | 2.68 | 3.11 | 2.90 | 2.62 | 2.75 |
| Gases | 0.91 | 1.01 | 1.24 | 1.29 | 0.94 | 0.98 |
| Biomass and Renewable Wastes | 1.05 | 1.00 | 1.24 | 1.24 | 1.09 | 1.22 |
| Solar | | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 |
| Geothermal | | | | 0.01 | 0.01 | 0.01 |
| Electricity | 0.85 | 1.02 | 1.24 | 1.36 | 1.28 | 1.32 |
| Derived heat | 0.25 | 0.21 | 0.26 | 0.25 | 0.19 | 0.21 |
| Wastes, Non-Renewable | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 |
| by Sector | | | | | | |
| Industry | 1.25 | 1.38 | 1.56 | 1.37 | 1.10 | 1.09 |
| Transport | 1.20 | 1.55 | 1.92 | 2.07 | 2.02 | 2.11 |
| Residential | 2.19 | 2.30 | 2.82 | 2.76 | 2.22 | 2.42 |
| Services | 0.44 | 0.49 | 0.69 | 0.78 | 0.68 | 0.74 |
| Agriculture and Fishing | 0.20 | 0.29 | 0.24 | 0.25 | 0.24 | 0.23 |
| Other | | | | | | |

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Installed Capacity (GW) | 2.07 | 2.08 | 3.87 | 4.12 | 4.43 | 4.80 |
| Combustible Fuels | | | 1.80 | 1.90 | 1.86 | 2.12 |
| Nuclear | | | | | | |
| Hydro | 2.07 | 2.08 | 2.06 | 2.14 | 2.19 | 2.21 |
| Wind | | | 0.01 | 0.08 | 0.34 | 0.42 |
| Solar PV | | | | | 0.03 | 0.05 |
| Geothermal | | | | | | |
| Tide, Wave and Ocean | | | | | | |
| Other Sources | | | | | | |
| Gross Electricity Generation (TWh) | 9.28 | 11.28 | 13.16 | 14.90 | 13.55 | 11.40 |
| Solid Fuels | 0.24 | 1.55 | 2.33 | 2.39 | 2.37 | 2.31 |
| Petroleum and Products | 2.46 | 1.69 | 1.86 | 0.56 | 0.13 | 0.22 |
| Gases | 0.88 | 1.57 | 1.81 | 2.55 | 1.00 | 1.20 |
| Nuclear | | | | | | |
| Renewables | 5.69 | 6.47 | 7.17 | 9.40 | 10.06 | 7.68 |
| Wastes, non-RES | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Cogeneration Heat and Power | | | | | | |
| CHP Electrical Capacity (GW) | | | | 0.69 | 0.68 | 0.6 |
| CHP Electricity Generation (TWh) | | | | 2.02 | 0.86 | 0.8 |
| CHP in Total Electricity Generation (%) | | | | 14.3% | 6.3% | 7.1% |
| CHP Heat Production (PJ) | | | | 14.92 | 11.32 | 10.0 |
| Transport Fuels (ktoe) | | | | | | |
| Final Consumption Petroleum Products | 1 186.2 | 1 525.8 | 1 900.9 | 2 042.0 | 1 962.3 | 2 058.6 |
| Motor Gasoline | 594.3 | 814.7 | 739.1 | 678.4 | 554.9 | 553.8 |
| Gas/Diesel Oil | 477.4 | 623.3 | 1 038.5 | 1 186.4 | 1 207.8 | 1 302.7 |
| Final Consumption Biofuels | | | | 2.6 | 29.8 | 24.3 |
| Biogasoline | | | | | 0.0 | 0.0 |
| Biodiesel | | | | 2.6 | 29.8 | 24.3 |
| Main Energy Indicators | | | | | | |
| Energy Intensity (toe/M€'10) | 263.2 | 238.7 | 222.5 | 209.5 | 189.6 | 194.1 |
| Energy per Capita (kgoe/cap) | 1 686.5 | 1 872.5 | 2 269.2 | 2 190.9 | 1 929.7 | 2 017.6 |
| Final Electricity per Capita (KWh/cap) | 2 129.5 | 2 630.9 | 3 344.3 | 3 686.4 | 3 492.7 | 3 631.2 |
| Primary Energy Intensity (toe/M€'10) | 236.0 | 220.1 | 207.2 | 196.2 | 177.1 | 182.0 |
| Import Dependency (%) | 36.1% | 48.4% | 52.5% | 46.6% | 43.8% | 48.3% |
| of Solid Fuels | 85.7% | 110.9% | 91.4% | 102.3% | 92.4% | 103.1% |
| of Hard Coal | 73.9% | 112.9% | 90.5% | 102.7% | 92.3% | 102.5% |
| of Petroleum Fuels | 55.6% | 61.0% | 79.4% | 80.4% | 74.0% | 79.7% |
| of Crude and NGL | 69.2% | 72.1% | 78.9% | 82.2% | 75.6% | 79.6% |
| of Natural Gas | 11.6% | 41.0% | 23.7% | 18.1% | 28.6% | 27.1% |
| Renewables in Gross Final Energy (%) | | | | | | |
| Overall RES with Aviation Cap | | | 23.8% | 25.1% | 27.9% | 29.0% |
| RES-H&C – Heating and Cooling | | | 30.0% | 32.8% | 36.2% | 38.6% |
| RES-E – Electricity Generation | | | 35.6% | 37.6% | 45.3% | 45.4% |
| RES-T – Transport | | | 1.0% | 1.1% | 4.1% | 3.5% |
| Gases Emissions (Mio ton CO₂) | | | | | | |
| CO ₂ Emissions* | 17.24 | 19.99 | 23.71 | 21.50 | 18.15 | 18.27 |
| GHGs Emissions* | 22.56 | 25.46 | 29.57 | 27.63 | 23.42 | 23.86 |
| Main Emissions Indicators | | | | | | |
| CO ₂ per Capita (kg CO ₂ /cap) | 3 700.0 | 4 444.5 | 5 500.0 | 4 996.5 | 4 272.7 | 4 324.6 |
| Carbon Intensity (kg CO ₂ /toe) | 2 185.1 | 2 368.5 | 2 417.9 | 2 278.9 | 2 214.2 | 2 143.4 |
| CO ₂ GDP Intensity (ton CO ₂ /M€'10) | 577.5 | 566.5 | 539.3 | 477.7 | 419.9 | 416.0 |

* Total emissions without LULUCF, with ind. CO₂, including international aviation, excl. international maritime transport.

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

5.12 Italy

| Mtoe, unless otherwise stated | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|
| Production | 29.83 | 28.49 | 30.33 | 33.07 | 36.81 | 36.13 |
| Solid Fuels | 0.04 | 0.00 | 0.06 | 0.06 | 0.06 | 0.05 |
| of which Hard Coal | | | 0.06 | 0.06 | 0.06 | 0.05 |
| Petroleum and Products | 5.57 | 5.01 | 6.38 | 5.68 | 6.10 | 5.82 |
| of which Crude and NGL | 5.26 | 4.56 | 6.15 | 5.14 | 5.88 | 5.51 |
| Gases | 16.56 | 13.63 | 9.89 | 6.89 | 5.86 | 5.55 |
| of which Natural Gas | 16.35 | 13.62 | 9.89 | 6.89 | 5.86 | 5.55 |
| Nuclear | | | | | | |
| Renewables | 7.49 | 9.60 | 13.33 | 19.40 | 23.64 | 23.56 |
| Wastes, Non-Renewable | 0.16 | 0.26 | 0.67 | 1.04 | 1.16 | 1.15 |
| Net Imports | 134.50 | 152.07 | 160.37 | 149.46 | 116.12 | 121.83 |
| Solid Fuels | 13.00 | 13.13 | 16.37 | 13.79 | 12.90 | 12.32 |
| of which Hard Coal | 12.58 | 12.87 | 15.94 | 13.98 | 12.30 | 12.07 |
| Petroleum and Products | 89.52 | 87.60 | 79.15 | 67.78 | 51.14 | 52.83 |
| of which Crude and NGL | 73.67 | 83.27 | 89.10 | 79.21 | 54.54 | 62.15 |
| Gases | 28.53 | 47.01 | 59.84 | 61.60 | 45.47 | 50.00 |
| of which Natural Gas | 28.53 | 47.01 | 59.84 | 61.60 | 45.47 | 50.00 |
| Renewables | 0.23 | 0.52 | 0.78 | 2.50 | 2.85 | 2.69 |
| Electricity | 3.22 | 3.81 | 4.23 | 3.80 | 3.76 | 3.99 |
| Gross Inland Consumption | 161.77 | 174.22 | 190.08 | 177.93 | 151.03 | 156.17 |
| Solid Fuels | 12.28 | 12.55 | 16.46 | 13.66 | 13.07 | 12.30 |
| of which Hard Coal | 11.91 | 12.18 | 15.98 | 13.78 | 12.42 | 12.00 |
| Petroleum and Products | 93.52 | 89.54 | 83.96 | 69.51 | 55.83 | 57.16 |
| of which Crude and NGL | 79.35 | 87.52 | 94.76 | 83.87 | 60.14 | 67.43 |
| Gases | 44.87 | 57.95 | 70.65 | 68.06 | 50.71 | 55.30 |
| of which Natural Gas | 44.65 | 57.94 | 70.65 | 68.06 | 50.71 | 55.30 |
| Nuclear | | | | | | |
| Renewables | 7.72 | 10.11 | 14.11 | 21.86 | 26.51 | 26.27 |
| Electricity | 3.22 | 3.81 | 4.23 | 3.80 | 3.76 | 3.99 |
| Wastes, Non-Renewable | 0.16 | 0.26 | 0.67 | 1.04 | 1.16 | 1.15 |
| Primary Energy Consumption | 152.03 | 165.79 | 181.47 | 168.37 | 143.84 | 149.56 |
| Available for Final Consumption | 124.85 | 133.74 | 145.23 | 137.17 | 118.59 | 121.99 |
| Final Non-Energy Consumption | 9.73 | 8.43 | 8.61 | 9.56 | 7.19 | 6.61 |
| Final Energy Consumption | 114.58 | 124.72 | 137.15 | 128.46 | 113.35 | 116.44 |
| by Fuel/Product | | | | | | |
| Solid Fuels | 3.93 | 3.59 | 3.98 | 2.86 | 2.27 | 1.72 |
| Petroleum and Products | 54.06 | 57.84 | 59.01 | 48.73 | 44.33 | 44.34 |
| Gases | 34.65 | 38.02 | 40.61 | 38.50 | 31.08 | 33.18 |
| Biomass and Renewable Wastes | 1.14 | 1.52 | 4.30 | 8.81 | 7.16 | 8.06 |
| Solar | 0.01 | 0.01 | 0.03 | 0.13 | 0.18 | 0.19 |
| Geothermal | 0.21 | 0.21 | 0.21 | 0.13 | 0.11 | 0.11 |
| Electricity | 20.49 | 23.47 | 25.87 | 25.74 | 24.20 | 24.72 |
| Derived heat | | | 3.08 | 3.33 | 3.75 | 3.85 |
| Wastes, Non-Renewable | 0.08 | 0.06 | 0.06 | 0.22 | 0.27 | 0.27 |
| by Sector | | | | | | |
| Industry | 36.02 | 39.74 | 39.86 | 31.25 | 26.16 | 26.02 |
| Transport | 38.57 | 42.52 | 44.84 | 41.73 | 40.09 | 39.54 |
| Residential | 26.32 | 27.59 | 33.92 | 35.39 | 29.55 | 32.49 |
| Services | 9.82 | 11.54 | 15.05 | 16.98 | 14.67 | 15.39 |
| Agriculture and Fishing | 3.25 | 3.16 | 3.32 | 2.94 | 2.78 | 2.85 |
| Other | 0.59 | 0.17 | 0.16 | 0.16 | 0.11 | 0.14 |

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|
| Installed Capacity (GW) | 65.92 | 75.51 | 85.50 | 106.61 | 121.75 | 116.96 |
| Combustible Fuels | 45.48 | 54.03 | 61.93 | 74.66 | 71.27 | 65.62 |
| Nuclear | | | | | | |
| Hydro | 19.84 | 20.35 | 20.99 | 21.52 | 22.10 | 22.22 |
| Wind | 0.02 | 0.36 | 1.64 | 5.79 | 8.68 | 9.14 |
| Solar PV | 0.02 | 0.02 | 0.03 | 3.59 | 18.59 | 18.89 |
| Geothermal | 0.47 | 0.59 | 0.67 | 0.73 | 0.77 | 0.77 |
| Tide, Wave and Ocean | | | | | | |
| Other Sources | 0.09 | 0.16 | 0.23 | 0.32 | 0.33 | 0.32 |
| Gross Electricity Generation (TWh) | 241.49 | 276.64 | 303.70 | 302.06 | 279.83 | 282.99 |
| Solid Fuels | 24.12 | 26.27 | 43.61 | 39.73 | 43.45 | 43.20 |
| Petroleum and Products | 120.80 | 85.88 | 47.12 | 21.71 | 14.16 | 13.38 |
| Gases | 50.44 | 105.61 | 155.08 | 157.44 | 96.71 | 113.05 |
| Nuclear | | | | | | |
| Renewables | 45.58 | 57.58 | 55.30 | 80.26 | 122.39 | 110.34 |
| Wastes, non-RES | 0.17 | 0.51 | 1.48 | 2.15 | 2.45 | 2.43 |
| Cogeneration Heat and Power | | | | | | |
| CHP Electrical Capacity (GW) | | | 5.89 | 7.35 | 8.57 | 9.0 |
| CHP Electricity Generation (TWh) | | | 27.39 | 34.71 | 36.65 | 39.5 |
| CHP in Total Electricity Generation (%) | | | 9.0% | 11.5% | 13.1% | 14.0% |
| CHP Heat Production (PJ) | | | 193.07 | 202.51 | 202.45 | 213.2 |
| Transport Fuels (ktoe) | | | | | | |
| Final Consumption Petroleum Products | 37664.7 | 41460.6 | 43426.7 | 38701.8 | 37048.4 | 36353.3 |
| Motor Gasoline | 18278.7 | 17555.7 | 14174.8 | 10275.9 | 8494.6 | 8191.9 |
| Gas/Diesel Oil | 15237.8 | 18415.4 | 23792.8 | 22703.1 | 22773.3 | 22089.6 |
| Final Consumption Biofuels | | | 176.7 | 1419.4 | 1065.2 | 1166.6 |
| Biogasoline | | | | 122.1 | 10.0 | 24.8 |
| Biodiesel | | | 176.7 | 1297.3 | 1055.2 | 1141.8 |
| Main Energy Indicators | | | | | | |
| Energy Intensity (toe/M€'10) | 114.8 | 112.0 | 116.6 | 110.9 | 97.9 | 100.4 |
| Energy per Capita (kgoe/cap) | 2845.8 | 3060.6 | 3284.4 | 3006.0 | 2484.7 | 2568.8 |
| Final Electricity per Capita (KWh/cap) | 4191.7 | 4795.5 | 5198.8 | 5056.8 | 4631.2 | 4728.7 |
| Primary Energy Intensity (toe/M€'10) | 107.9 | 106.6 | 111.3 | 104.9 | 93.2 | 96.2 |
| Import Dependency (%) | 81.9% | 86.5% | 83.4% | 82.6% | 75.9% | 77.1% |
| of Solid Fuels | 105.9% | 104.6% | 99.4% | 101.0% | 98.7% | 100.2% |
| of Hard Coal | 105.6% | 105.7% | 99.7% | 101.5% | 99.0% | 100.5% |
| of Petroleum Fuels | 93.3% | 96.1% | 91.8% | 93.5% | 88.6% | 89.5% |
| of Crude and NGL | 92.8% | 95.1% | 94.0% | 94.5% | 90.7% | 92.2% |
| of Natural Gas | 63.9% | 81.1% | 84.7% | 90.5% | 89.7% | 90.4% |
| Renewables in Gross Final Energy (%) | | | | | | |
| Overall RES with Aviation Cap | | | 7.5% | 13.0% | 17.1% | 17.5% |
| RES-H&C – Heating and Cooling | | | 8.2% | 15.6% | 18.9% | 19.2% |
| RES-E – Electricity Generation | | | 16.3% | 20.1% | 33.4% | 33.5% |
| RES-T – Transport | | | 1.0% | 4.8% | 5.0% | 6.4% |
| Gases Emissions (Mio ton CO₂) | | | | | | |
| CO ₂ Emissions* | 453.19 | 474.19 | 500.36 | 434.32 | 356.19 | 366.87 |
| GHGs Emissions* | 536.82 | 560.89 | 588.31 | 514.14 | 432.52 | 442.78 |
| Main Emissions Indicators | | | | | | |
| CO ₂ per Capita (kg CO ₂ /cap) | 7972.4 | 8330.3 | 8645.6 | 7337.7 | 5860.1 | 6034.5 |
| Carbon Intensity (kg CO ₂ /toe) | 2760.2 | 2696.3 | 2601.7 | 2400.9 | 2329.0 | 2321.0 |
| CO ₂ GDP Intensity (ton CO ₂ /M€'10) | 321.6 | 304.8 | 307.0 | 270.7 | 230.9 | 235.9 |

* Total emissions without LULUCF, with ind. CO₂, including international aviation, excl. international maritime transport.

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

5.13 Cyprus

| Mtoe, unless otherwise stated | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|
| Production | 0.04 | 0.04 | 0.05 | 0.09 | 0.12 | 0.13 |
| Solid Fuels | | | | | | |
| of which Hard Coal | | | | | | |
| Petroleum and Products | | | | 0.00 | 0.01 | 0.01 |
| of which Crude and NGL | | | | | | |
| Gases | | | | | | |
| of which Natural Gas | | | | | | |
| Nuclear | | | | | | |
| Renewables | 0.04 | 0.04 | 0.05 | 0.08 | 0.11 | 0.12 |
| Wastes, Non-Renewable | | | 0.00 | 0.01 | 0.01 | 0.00 |
| Net Imports | 2.04 | 2.57 | 2.84 | 2.94 | 2.29 | 2.45 |
| Solid Fuels | 0.01 | 0.03 | 0.04 | 0.01 | 0.00 | 0.00 |
| of which Hard Coal | 0.01 | 0.03 | 0.04 | 0.01 | 0.00 | 0.00 |
| Petroleum and Products | 2.03 | 2.53 | 2.79 | 2.91 | 2.27 | 2.42 |
| of which Crude and NGL | 0.80 | 1.16 | | | | |
| Gases | | | | | | |
| of which Natural Gas | | | | | | |
| Renewables | 0.00 | 0.00 | 0.01 | 0.02 | 0.02 | 0.03 |
| Electricity | | | | | | |
| Gross Inland Consumption | 1.97 | 2.41 | 2.54 | 2.74 | 2.23 | 2.27 |
| Solid Fuels | 0.01 | 0.03 | 0.04 | 0.02 | 0.00 | 0.00 |
| of which Hard Coal | 0.01 | 0.03 | 0.04 | 0.02 | 0.00 | 0.00 |
| Petroleum and Products | 1.91 | 2.33 | 2.45 | 2.61 | 2.09 | 2.11 |
| of which Crude and NGL | 0.83 | 1.18 | | | | |
| Gases | | | | | | |
| of which Natural Gas | | | | | | |
| Nuclear | | | | | | |
| Renewables | 0.05 | 0.05 | 0.05 | 0.11 | 0.13 | 0.15 |
| Electricity | | | | | | |
| Wastes, Non-Renewable | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 |
| Primary Energy Consumption | 1.90 | 2.33 | 2.47 | 2.66 | 2.21 | 2.25 |
| Available for Final Consumption | 1.48 | 1.75 | 1.80 | 1.97 | 1.65 | 1.67 |
| Final Non-Energy Consumption | 0.06 | 0.09 | 0.07 | 0.09 | 0.02 | 0.02 |
| Final Energy Consumption | 1.43 | 1.65 | 1.83 | 1.93 | 1.62 | 1.66 |
| by Fuel/Product | | | | | | |
| Solid Fuels | 0.01 | 0.03 | 0.04 | 0.02 | 0.00 | 0.00 |
| Petroleum and Products | 1.18 | 1.32 | 1.40 | 1.38 | 1.16 | 1.18 |
| Gases | | | | | | |
| Biomass and Renewable Wastes | 0.01 | 0.01 | 0.01 | 0.04 | 0.03 | 0.04 |
| Solar | 0.03 | 0.04 | 0.04 | 0.06 | 0.07 | 0.07 |
| Geothermal | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Electricity | 0.19 | 0.26 | 0.34 | 0.42 | 0.34 | 0.35 |
| Derived heat | | | | | 0.00 | 0.00 |
| Wastes, Non-Renewable | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 |
| by Sector | | | | | | |
| Industry | 0.39 | 0.44 | 0.32 | 0.24 | 0.22 | 0.20 |
| Transport | 0.76 | 0.86 | 0.98 | 1.05 | 0.84 | 0.87 |
| Residential | 0.14 | 0.18 | 0.32 | 0.33 | 0.29 | 0.32 |
| Services | 0.07 | 0.11 | 0.16 | 0.25 | 0.20 | 0.21 |
| Agriculture and Fishing | 0.01 | 0.01 | 0.04 | 0.04 | 0.04 | 0.04 |
| Other | 0.05 | 0.05 | 0.02 | 0.02 | 0.02 | 0.02 |

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|---------------|--------------|---------------|---------------|--------------|--------------|
| Installed Capacity (GW) | 0.69 | 0.99 | 1.13 | 1.56 | 1.72 | 1.76 |
| Combustible Fuels | 0.69 | 0.99 | 1.12 | 1.47 | 1.51 | 1.52 |
| Nuclear | | | | | | |
| Hydro | | | | | | |
| Wind | | | | 0.08 | 0.15 | 0.16 |
| Solar PV | | | 0.00 | 0.01 | 0.06 | 0.08 |
| Geothermal | | | | | | |
| Tide, Wave and Ocean | | | | | | |
| Other Sources | | | | | | |
| Gross Electricity Generation (TWh) | 2.50 | 3.37 | 4.38 | 5.32 | 4.35 | 4.53 |
| Solid Fuels | | | | | | |
| Petroleum and Products | 2.50 | 3.37 | 4.38 | 5.25 | 4.03 | 4.14 |
| Gases | | | | | | |
| Nuclear | | | | | | |
| Renewables | 0.00 | 0.00 | 0.00 | 0.07 | 0.32 | 0.40 |
| Wastes, non-RES | | | | | | 0.00 |
| Cogeneration Heat and Power | | | | | | |
| CHP Electrical Capacity (GW) | | | 0.01 | 0.02 | 0.01 | 0.01 |
| CHP Electricity Generation (TWh) | | | 0.0 | 0.06 | 0.07 | 0.0 |
| CHP in Total Electricity Generation (%) | | | 0.3% | 1.0% | 1.5% | 0.1% |
| CHP Heat Production (PJ) | | | 0.1 | 0.1 | 0.2 | 0.2 |
| Transport Fuels (ktoe) | | | | | | |
| Final Consumption Petroleum Products | 760.2 | 859.7 | 982.5 | 1034.8 | 833.1 | 857.6 |
| Motor Gasoline | 193.6 | 218.0 | 320.6 | 412.7 | 360.8 | 365.0 |
| Gas/Diesel Oil | 292.7 | 359.5 | 355.4 | 337.8 | 229.0 | 247.2 |
| Final Consumption Biofuels | | | | 15.0 | 9.7 | 9.7 |
| Biogasoline | | | | | | |
| Biodiesel | | | | 15.0 | 9.7 | 9.7 |
| Main Energy Indicators | | | | | | |
| Energy Intensity (toe/M€'10) | 166.4 | 168.6 | 149.0 | 142.0 | 128.4 | 128.7 |
| Energy per Capita (kgoe/cap) | 3044.6 | 3494.6 | 3463.5 | 3345.0 | 2597.9 | 2682.4 |
| Final Electricity per Capita (KWh/cap) | 3444.4 | 4338.9 | 5402.0 | 5959.9 | 4621.2 | 4829.9 |
| Primary Energy Intensity (toe/M€'10) | 161.1 | 162.6 | 144.7 | 137.6 | 127.0 | 127.3 |
| Import Dependency (%) | 100.5% | 98.6% | 100.7% | 100.8% | 93.2% | 97.7% |
| of Solid Fuels | 100.0% | 100.0% | 119.4% | 64.7% | 150.0% | 100.0% |
| of Hard Coal | 100.0% | 100.0% | 119.4% | 64.7% | 150.0% | 100.0% |
| of Petroleum Fuels | 102.6% | 100.3% | 102.3% | 104.2% | 97.9% | 102.9% |
| of Crude and NGL | 96.3% | 98.5% | | | | |
| of Natural Gas | | | | | | |
| Renewables in Gross Final Energy (%) | | | | | | |
| Overall RES with Aviation Cap | | | 3.1% | 6.0% | 8.9% | 9.4% |
| RES-H&C – Heating and Cooling | | | 10.0% | 18.2% | 21.6% | 22.5% |
| RES-E – Electricity Generation | | | 0.0% | 1.4% | 7.4% | 8.4% |
| RES-T – Transport | | | 0.0% | 2.0% | 2.7% | 2.5% |
| Gases Emissions (Mio ton CO₂) | | | | | | |
| CO ₂ Emissions* | 6.66 | 7.93 | 8.81 | 8.84 | 7.65 | 7.61 |
| GHGs Emissions* | 7.86 | 9.17 | 10.16 | 10.42 | 9.21 | 9.19 |
| Main Emissions Indicators | | | | | | |
| CO ₂ per Capita (kg CO ₂ /cap) | 10312.6 | 11482.3 | 12014.7 | 10792.7 | 8921.6 | 8986.3 |
| Carbon Intensity (kg CO ₂ /toe) | 3275.5 | 3047.1 | 3118.8 | 3025.6 | 3115.5 | 3032.4 |
| CO ₂ GDP Intensity (ton CO ₂ /M€'10) | 563.6 | 553.9 | 516.8 | 458.1 | 440.8 | 431.1 |

* Total emissions without LULUCF, with ind. CO₂, including international aviation, excl. international maritime transport.

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

5.14 Latvia

| Mtoe, unless otherwise stated | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|
| Production | 1.43 | 1.47 | 1.87 | 1.98 | 2.38 | 2.35 |
| Solid Fuels | 0.08 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| of which Hard Coal | | | | | | |
| Petroleum and Products | 0.00 | 0.06 | 0.01 | 0.00 | 0.00 | 0.01 |
| of which Crude and NGL | | | | | | |
| Gases | | | | | | |
| of which Natural Gas | | | | | | |
| Nuclear | | | | | | |
| Renewables | 1.35 | 1.39 | 1.85 | 1.96 | 2.37 | 2.33 |
| Wastes, Non-Renewable | | | 0.00 | 0.01 | 0.01 | 0.01 |
| Net Imports | 3.36 | 2.36 | 3.10 | 2.22 | 1.90 | 2.37 |
| Solid Fuels | 0.17 | 0.06 | 0.08 | 0.11 | 0.05 | 0.04 |
| of which Hard Coal | 0.16 | 0.05 | 0.07 | 0.11 | 0.05 | 0.04 |
| Petroleum and Products | 2.09 | 1.24 | 1.78 | 1.67 | 1.54 | 1.79 |
| of which Crude and NGL | | | | | | |
| Gases | 1.00 | 1.11 | 1.43 | 0.90 | 0.78 | 1.08 |
| of which Natural Gas | 1.00 | 1.11 | 1.43 | 0.90 | 0.78 | 1.08 |
| Renewables | -0.09 | -0.20 | -0.38 | -0.56 | -0.72 | -0.74 |
| Electricity | 0.19 | 0.15 | 0.18 | 0.08 | 0.20 | 0.16 |
| Gross Inland Consumption | 4.62 | 3.86 | 4.59 | 4.63 | 4.45 | 4.38 |
| Solid Fuels | 0.27 | 0.13 | 0.08 | 0.11 | 0.06 | 0.05 |
| of which Hard Coal | 0.17 | 0.07 | 0.08 | 0.11 | 0.06 | 0.05 |
| Petroleum and Products | 1.89 | 1.30 | 1.49 | 1.52 | 1.43 | 1.49 |
| of which Crude and NGL | | | | | | |
| Gases | 1.01 | 1.09 | 1.36 | 1.46 | 1.08 | 1.10 |
| of which Natural Gas | 1.01 | 1.09 | 1.36 | 1.46 | 1.08 | 1.10 |
| Nuclear | | | | | | |
| Renewables | 1.26 | 1.19 | 1.48 | 1.44 | 1.61 | 1.54 |
| Electricity | 0.19 | 0.15 | 0.19 | 0.08 | 0.20 | 0.16 |
| Wastes, Non-Renewable | | | 0.00 | 0.03 | 0.07 | 0.06 |
| Primary Energy Consumption | 4.58 | 3.79 | 4.50 | 4.56 | 4.36 | 4.27 |
| Available for Final Consumption | 3.94 | 3.28 | 4.11 | 4.17 | 3.99 | 3.89 |
| Final Non-Energy Consumption | 0.04 | 0.08 | 0.10 | 0.07 | 0.09 | 0.11 |
| Final Energy Consumption | 3.85 | 3.25 | 4.02 | 4.12 | 3.89 | 3.79 |
| by Fuel/Product | | | | | | |
| Solid Fuels | 0.13 | 0.06 | 0.07 | 0.09 | 0.05 | 0.04 |
| Petroleum and Products | 1.16 | 1.06 | 1.32 | 1.45 | 1.32 | 1.37 |
| Gases | 0.37 | 0.33 | 0.51 | 0.50 | 0.33 | 0.32 |
| Biomass and Renewable Wastes | 0.88 | 0.82 | 1.01 | 0.95 | 1.05 | 0.94 |
| Solar | | | | | | |
| Geothermal | | | | | | |
| Electricity | 0.38 | 0.39 | 0.49 | 0.53 | 0.57 | 0.56 |
| Derived heat | 0.93 | 0.60 | 0.60 | 0.58 | 0.51 | 0.50 |
| Wastes, Non-Renewable | 0.00 | 0.00 | 0.00 | 0.03 | 0.07 | 0.06 |
| by Sector | | | | | | |
| Industry | 0.70 | 0.58 | 0.70 | 0.77 | 0.79 | 0.79 |
| Transport | 0.72 | 0.75 | 1.07 | 1.20 | 1.09 | 1.15 |
| Residential | 1.60 | 1.33 | 1.50 | 1.39 | 1.24 | 1.11 |
| Services | 0.66 | 0.47 | 0.59 | 0.60 | 0.61 | 0.59 |
| Agriculture and Fishing | 0.17 | 0.13 | 0.15 | 0.16 | 0.15 | 0.16 |
| Other | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Installed Capacity (GW) | 2.07 | 2.09 | 2.17 | 2.56 | 2.92 | 2.93 |
| Combustible Fuels | 0.56 | 0.58 | 0.60 | 0.95 | 1.27 | 1.28 |
| Nuclear | | | | | | |
| Hydro | 1.51 | 1.51 | 1.54 | 1.58 | 1.59 | 1.59 |
| Wind | 0.00 | 0.00 | 0.03 | 0.03 | 0.07 | 0.07 |
| Solar PV | | | | | | |
| Geothermal | | | | | | |
| Tide, Wave and Ocean | | | | | | |
| Other Sources | | | | | | |
| Gross Electricity Generation (TWh) | 3.98 | 4.14 | 4.91 | 6.63 | 5.14 | 5.53 |
| Solid Fuels | 0.10 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| Petroleum and Products | 0.42 | 0.11 | 0.01 | 0.00 | 0.00 | 0.00 |
| Gases | 0.53 | 1.13 | 1.49 | 2.99 | 2.34 | 2.76 |
| Nuclear | | | | | | |
| Renewables | 2.94 | 2.82 | 3.41 | 3.64 | 2.80 | 2.78 |
| Wastes, non-RES | | | | | | |
| Cogeneration Heat and Power | | | | | | |
| CHP Electrical Capacity (GW) | | | 0.59 | 0.87 | 1.09 | 1.1 |
| CHP Electricity Generation (TWh) | | | 1.51 | 2.98 | 2.44 | 2.5 |
| CHP in Total Electricity Generation (%) | | | 30.7% | 45.0% | 47.5% | 44.7% |
| CHP Heat Production (PJ) | | | 11.91 | 10.45 | 11.78 | 12.4 |
| Transport Fuels (ktoe) | | | | | | |
| Final Consumption Petroleum Products | 699.3 | 734.3 | 1049.7 | 1163.3 | 1059.3 | 1113.1 |
| Motor Gasoline | 429.8 | 346.8 | 351.8 | 294.1 | 205.8 | 204.8 |
| Gas/Diesel Oil | 241.5 | 340.0 | 613.0 | 727.7 | 680.0 | 736.8 |
| Final Consumption Biofuels | | | 2.7 | 27.0 | 24.2 | 24.6 |
| Biogasoline | | | 0.0 | 8.3 | 6.4 | 7.7 |
| Biodiesel | | | 2.7 | 18.7 | 17.8 | 16.9 |
| Main Energy Indicators | | | | | | |
| Energy Intensity (toe/M€'10) | 484.0 | 314.8 | 252.3 | 260.2 | 215.8 | 206.7 |
| Energy per Capita (kgoe/cap) | 1848.8 | 1622.4 | 2041.1 | 2183.0 | 2224.4 | 2205.3 |
| Final Electricity per Capita (KWh/cap) | 1785.6 | 1879.7 | 2546.5 | 2930.9 | 3288.6 | 3253.1 |
| Primary Energy Intensity (toe/M€'10) | 479.7 | 308.7 | 247.0 | 256.1 | 211.3 | 201.4 |
| Import Dependency (%) | 70.4% | 61.0% | 63.9% | 45.5% | 40.6% | 51.2% |
| of Solid Fuels | 61.6% | 46.2% | 93.9% | 102.8% | 76.7% | 87.0% |
| of Hard Coal | 93.6% | 81.8% | 97.3% | 106.7% | 78.0% | 87.0% |
| of Petroleum Fuels | 102.6% | 94.8% | 102.2% | 94.4% | 92.4% | 102.9% |
| of Crude and NGL | | | | | | |
| of Natural Gas | 98.9% | 101.9% | 105.6% | 61.8% | 72.1% | 98.6% |
| Renewables in Gross Final Energy (%) | | | | | | |
| Overall RES with Aviation Cap | | | 32.3% | 30.4% | 38.7% | 37.6% |
| RES-H&C – Heating and Cooling | | | 42.7% | 40.7% | 52.2% | 51.8% |
| RES-E – Electricity Generation | | | 43.0% | 42.1% | 51.1% | 52.2% |
| RES-T – Transport | | | 2.4% | 4.0% | 4.1% | 3.9% |
| Gases Emissions (Mio ton CO₂) | | | | | | |
| CO ₂ Emissions* | 9.26 | 7.18 | 7.99 | 8.90 | 7.50 | 7.58 |
| GHGs Emissions* | 12.81 | 10.44 | 11.49 | 12.58 | 11.55 | 11.65 |
| Main Emissions Indicators | | | | | | |
| CO ₂ per Capita (kg CO ₂ /cap) | 3702.0 | 3014.8 | 3552.1 | 4197.9 | 3749.3 | 3817.9 |
| Carbon Intensity (kg CO ₂ /toe) | 1940.3 | 1854.4 | 1647.7 | 1824.9 | 1602.7 | 1636.7 |
| CO ₂ GDP Intensity (ton CO ₂ /M€'10) | 969.3 | 585.0 | 439.1 | 500.4 | 363.8 | 357.9 |

* Total emissions without LULUCF, with ind. CO₂, including international aviation, excl. international maritime transport.

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

5.15 Lithuania

| Mtoe, unless otherwise stated | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|
| Production | 3.8 | 3.3 | 4.0 | 1.3 | 1.5 | 1.6 |
| Solid Fuels | 0.02 | 0.01 | 0.02 | 0.01 | 0.03 | 0.02 |
| of which Hard Coal | | | | | | |
| Petroleum and Products | 0.15 | 0.37 | 0.33 | 0.14 | 0.10 | 0.10 |
| of which Crude and NGL | 0.13 | 0.32 | 0.22 | 0.12 | 0.08 | 0.08 |
| Gases | | | | | | |
| of which Natural Gas | | | | | | |
| Nuclear | 3.11 | 2.22 | 2.71 | | | |
| Renewables | 0.50 | 0.68 | 0.90 | 1.19 | 1.36 | 1.47 |
| Wastes, Non-Renewable | | | | | 0.02 | 0.02 |
| Net Imports | 5.54 | 4.25 | 5.03 | 5.67 | 5.23 | 5.48 |
| Solid Fuels | 0.16 | 0.08 | 0.18 | 0.20 | 0.21 | 0.16 |
| of which Hard Coal | 0.15 | 0.07 | 0.16 | 0.16 | 0.18 | 0.14 |
| Petroleum and Products | 3.58 | 2.22 | 2.62 | 2.61 | 2.28 | 2.69 |
| of which Crude and NGL | 3.10 | 4.55 | 8.90 | 9.05 | 7.51 | 8.68 |
| Gases | 2.03 | 2.07 | 2.49 | 2.49 | 2.15 | 2.06 |
| of which Natural Gas | 2.03 | 2.07 | 2.49 | 2.49 | 2.15 | 2.06 |
| Renewables | 0.00 | -0.01 | -0.01 | -0.14 | -0.07 | -0.06 |
| Electricity | -0.23 | -0.12 | -0.26 | 0.52 | 0.66 | 0.62 |
| Gross Inland Consumption | 8.64 | 7.06 | 8.71 | 6.79 | 6.70 | 6.91 |
| Solid Fuels | 0.25 | 0.09 | 0.19 | 0.21 | 0.24 | 0.19 |
| of which Hard Coal | 0.22 | 0.07 | 0.15 | 0.17 | 0.19 | 0.15 |
| Petroleum and Products | 2.99 | 2.13 | 2.71 | 2.50 | 2.44 | 2.60 |
| of which Crude and NGL | 3.11 | 4.82 | 9.34 | 9.14 | 7.60 | 8.73 |
| Gases | 2.03 | 2.06 | 2.48 | 2.49 | 2.07 | 2.07 |
| of which Natural Gas | 2.03 | 2.06 | 2.48 | 2.49 | 2.07 | 2.07 |
| Nuclear | 3.11 | 2.22 | 2.71 | | | |
| Renewables | 0.49 | 0.68 | 0.88 | 1.07 | 1.28 | 1.42 |
| Electricity | -0.23 | -0.12 | -0.26 | 0.52 | 0.66 | 0.62 |
| Wastes, Non-Renewable | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.02 |
| Primary Energy Consumption | 8.10 | 6.40 | 7.98 | 6.13 | 5.69 | 5.80 |
| Available for Final Consumption | 5.13 | 4.28 | 5.39 | 5.48 | 5.90 | 5.99 |
| Final Non-Energy Consumption | 0.54 | 0.66 | 0.73 | 0.66 | 1.01 | 1.12 |
| Final Energy Consumption | 4.60 | 3.77 | 4.67 | 4.81 | 4.89 | 4.87 |
| by Fuel/Product | | | | | | |
| Solid Fuels | 0.23 | 0.08 | 0.18 | 0.21 | 0.23 | 0.18 |
| Petroleum and Products | 1.67 | 1.36 | 1.62 | 1.61 | 1.80 | 1.87 |
| Gases | 0.51 | 0.36 | 0.59 | 0.62 | 0.53 | 0.52 |
| Biomass and Renewable Wastes | 0.45 | 0.61 | 0.70 | 0.74 | 0.71 | 0.70 |
| Solar | | | | | | |
| Geothermal | | | | | | |
| Electricity | 0.55 | 0.53 | 0.69 | 0.72 | 0.79 | 0.80 |
| Derived heat | 1.19 | 0.83 | 0.91 | 0.92 | 0.84 | 0.80 |
| Wastes, Non-Renewable | | | | | | |
| by Sector | | | | | | |
| Industry | 1.02 | 0.78 | 1.06 | 0.95 | 1.03 | 0.98 |
| Transport | 1.04 | 1.06 | 1.43 | 1.55 | 1.74 | 1.83 |
| Residential | 1.64 | 1.37 | 1.51 | 1.60 | 1.41 | 1.37 |
| Services | 0.69 | 0.46 | 0.56 | 0.60 | 0.59 | 0.58 |
| Agriculture and Fishing | 0.20 | 0.10 | 0.11 | 0.11 | 0.11 | 0.10 |
| Other | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 |

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Installed Capacity (GW) | 5.87 | 5.72 | 4.56 | 3.57 | 4.04 | 3.59 |
| Combustible Fuels | 2.46 | 2.46 | 2.47 | 2.54 | 2.78 | 2.18 |
| Nuclear | 2.73 | 2.37 | 1.18 | | | |
| Hydro | 0.67 | 0.86 | 0.88 | 0.88 | 0.88 | 0.88 |
| Wind | | | 0.00 | 0.13 | 0.29 | 0.44 |
| Solar PV | | | | 0.00 | 0.07 | 0.07 |
| Geothermal | | | | | | |
| Tide, Wave and Ocean | | | | | | |
| Other Sources | 0.01 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| Gross Electricity Generation (TWh) | 13.90 | 11.43 | 14.78 | 5.75 | 4.40 | 4.93 |
| Solid Fuels | | | | | | 0.00 |
| Petroleum and Products | 1.07 | 0.66 | 0.40 | 0.65 | 0.16 | 0.28 |
| Gases | 0.23 | 1.62 | 3.02 | 3.19 | 1.75 | 1.98 |
| Nuclear | 11.82 | 8.42 | 10.34 | | | |
| Renewables | 0.75 | 0.64 | 0.83 | 1.67 | 2.20 | 2.35 |
| Wastes, non-RES | | | | | 0.04 | 0.06 |
| Cogeneration Heat and Power | | | | | | |
| CHP Electrical Capacity (GW) | | | 1.04 | 1.10 | 1.12 | 1.0 |
| CHP Electricity Generation (TWh) | | | 2.30 | 1.99 | 1.46 | 1.5 |
| CHP in Total Electricity Generation (%) | | | 15.5% | 34.6% | 33.2% | 31.3% |
| CHP Heat Production (PJ) | | | 19.90 | 19.34 | 13.14 | 12.4 |
| Transport Fuels (ktoe) | | | | | | |
| Final Consumption Petroleum Products | 1 030.8 | 1 050.1 | 1 405.3 | 1 469.4 | 1 641.7 | 1 728.2 |
| Motor Gasoline | 618.3 | 390.5 | 350.6 | 296.3 | 205.4 | 199.9 |
| Gas/Diesel Oil | 346.1 | 512.9 | 778.6 | 950.5 | 1 215.9 | 1 313.4 |
| Final Consumption Biofuels | | | 3.3 | 44.8 | 63.2 | 68.0 |
| Biogasoline | | | 0.6 | 10.3 | 5.8 | 9.7 |
| Biodiesel | | | 2.7 | 34.5 | 57.4 | 58.3 |
| Main Energy Indicators | | | | | | |
| Energy Intensity (toe/M€'10) | 592.4 | 385.5 | 329.5 | 242.2 | 202.5 | 205.4 |
| Energy per Capita (kgoe/cap) | 2 371.4 | 2 011.1 | 2 596.3 | 2 160.1 | 2 274.5 | 2 366.4 |
| Final Electricity per Capita (KWh/cap) | 1 744.4 | 1 764.5 | 2 377.5 | 2 651.8 | 3 138.1 | 3 197.9 |
| Primary Energy Intensity (toe/M€'10) | 555.1 | 349.4 | 301.8 | 218.5 | 172.0 | 172.3 |
| Import Dependency (%) | 63.1% | 59.4% | 56.8% | 81.8% | 78.0% | 78.4% |
| of Solid Fuels | 64.4% | 87.0% | 94.6% | 92.0% | 89.4% | 87.2% |
| of Hard Coal | 69.1% | 100.0% | 102.6% | 95.3% | 97.3% | 90.1% |
| of Petroleum Fuels | 114.5% | 100.4% | 91.9% | 98.7% | 93.0% | 100.7% |
| of Crude and NGL | 99.5% | 94.5% | 95.3% | 99.0% | 98.8% | 99.5% |
| of Natural Gas | 100.0% | 100.0% | 100.7% | 99.7% | 104.1% | 99.7% |
| Renewables in Gross Final Energy (%) | | | | | | |
| Overall RES with Aviation Cap | | | 16.8% | 19.6% | 23.6% | 25.8% |
| RES-H&C – Heating and Cooling | | | 29.3% | 32.5% | 40.6% | 46.1% |
| RES-E – Electricity Generation | | | 3.8% | 7.4% | 13.7% | 15.5% |
| RES-T – Transport | | | 0.6% | 3.8% | 4.3% | 4.6% |
| Gases Emissions (Mio ton CO₂) | | | | | | |
| CO ₂ Emissions* | 15.14 | 11.88 | 14.23 | 13.86 | 13.11 | 13.39 |
| GHGs Emissions* | 22.44 | 19.67 | 23.21 | 20.93 | 20.11 | 20.34 |
| Main Emissions Indicators | | | | | | |
| CO ₂ per Capita (kg CO ₂ /cap) | 4 156.3 | 3 381.6 | 4 240.6 | 4 410.6 | 4 453.4 | 4 582.6 |
| Carbon Intensity (kg CO ₂ /toe) | 1 725.1 | 1 660.1 | 1 607.1 | 2 000.6 | 1 954.7 | 1 915.4 |
| CO ₂ GDP Intensity (ton CO ₂ /M€'10) | 1 038.2 | 648.2 | 538.2 | 494.4 | 396.5 | 397.8 |

* Total emissions without LULUCF, with ind. CO₂, including international aviation, excl. international maritime transport.

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

5.16 Luxembourg

| Mtoe, unless otherwise stated | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|
| Production | 0.05 | 0.06 | 0.11 | 0.12 | 0.16 | 0.15 |
| Solid Fuels | | | | | | |
| of which Hard Coal | | | | | | |
| Petroleum and Products | | | | | | |
| of which Crude and NGL | | | | | | |
| Gases | | | | | 0.00 | 0.01 |
| of which Natural Gas | | | | | 0.00 | 0.01 |
| Nuclear | | | | | | |
| Renewables | 0.04 | 0.04 | 0.07 | 0.09 | 0.12 | 0.11 |
| Wastes, Non-Renewable | 0.01 | 0.03 | 0.04 | 0.03 | 0.03 | 0.03 |
| Net Imports | 3.25 | 3.64 | 4.68 | 4.51 | 4.07 | 4.01 |
| Solid Fuels | 0.49 | 0.11 | 0.08 | 0.07 | 0.05 | 0.05 |
| of which Hard Coal | 0.13 | 0.10 | 0.07 | 0.06 | 0.05 | 0.04 |
| Petroleum and Products | 1.77 | 2.37 | 3.14 | 2.85 | 2.69 | 2.62 |
| of which Crude and NGL | | | | | | |
| Gases | 0.56 | 0.67 | 1.18 | 1.20 | 0.84 | 0.77 |
| of which Natural Gas | 0.56 | 0.67 | 1.18 | 1.20 | 0.84 | 0.77 |
| Renewables | | | | 0.04 | 0.07 | 0.09 |
| Electricity | 0.43 | 0.49 | 0.28 | 0.35 | 0.42 | 0.48 |
| Gross Inland Consumption | 3.32 | 3.65 | 4.80 | 4.64 | 4.22 | 4.18 |
| Solid Fuels | 0.49 | 0.11 | 0.08 | 0.07 | 0.05 | 0.05 |
| of which Hard Coal | 0.13 | 0.10 | 0.07 | 0.06 | 0.05 | 0.04 |
| Petroleum and Products | 1.80 | 2.32 | 3.16 | 2.87 | 2.68 | 2.63 |
| of which Crude and NGL | | | | | | |
| Gases | 0.56 | 0.67 | 1.18 | 1.20 | 0.85 | 0.77 |
| of which Natural Gas | 0.56 | 0.67 | 1.18 | 1.20 | 0.85 | 0.77 |
| Nuclear | | | | | | |
| Renewables | 0.04 | 0.04 | 0.07 | 0.13 | 0.19 | 0.21 |
| Electricity | 0.43 | 0.49 | 0.28 | 0.35 | 0.42 | 0.48 |
| Wastes, Non-Renewable | 0.01 | 0.03 | 0.04 | 0.03 | 0.03 | 0.03 |
| Primary Energy Consumption | 3.28 | 3.60 | 4.77 | 4.61 | 4.19 | 4.15 |
| Available for Final Consumption | 3.17 | 3.56 | 4.53 | 4.36 | 4.03 | 4.02 |
| Final Non-Energy Consumption | 0.05 | 0.06 | 0.03 | 0.03 | 0.04 | 0.03 |
| Final Energy Consumption | 3.11 | 3.50 | 4.48 | 4.32 | 4.00 | 3.99 |
| by Fuel/Product | | | | | | |
| Solid Fuels | 0.34 | 0.11 | 0.08 | 0.07 | 0.05 | 0.05 |
| Petroleum and Products | 1.75 | 2.26 | 3.11 | 2.84 | 2.65 | 2.60 |
| Gases | 0.58 | 0.61 | 0.63 | 0.68 | 0.58 | 0.60 |
| Biomass and Renewable Wastes | 0.02 | 0.02 | 0.04 | 0.09 | 0.12 | 0.13 |
| Solar | | | | 0.00 | 0.00 | 0.00 |
| Geothermal | | | | | | |
| Electricity | 0.43 | 0.50 | 0.53 | 0.57 | 0.53 | 0.54 |
| Derived heat | 0.00 | 0.01 | 0.07 | 0.07 | 0.06 | 0.05 |
| Wastes, Non-Renewable | 0.00 | 0.01 | 0.02 | 0.01 | 0.02 | 0.01 |
| by Sector | | | | | | |
| Industry | 1.17 | 0.74 | 0.78 | 0.76 | 0.65 | 0.65 |
| Transport | 1.30 | 1.91 | 2.78 | 2.60 | 2.50 | 2.42 |
| Residential | 0.56 | 0.47 | 0.53 | 0.51 | 0.47 | 0.50 |
| Services | 0.07 | 0.36 | 0.37 | 0.43 | 0.36 | 0.40 |
| Agriculture and Fishing | 0.01 | 0.02 | 0.02 | 0.03 | 0.02 | 0.02 |
| Other | 0.01 | 0.01 | | | | |

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Installed Capacity (GW) | 1.25 | 1.22 | 1.68 | 1.71 | 2.02 | 2.02 |
| Combustible Fuels | 0.12 | 0.07 | 0.49 | 0.50 | 0.52 | 0.51 |
| Nuclear | | | | | | |
| Hydro | 1.13 | 1.13 | 1.13 | 1.13 | 1.33 | 1.33 |
| Wind | | 0.01 | 0.04 | 0.04 | 0.06 | 0.06 |
| Solar PV | | | 0.02 | 0.03 | 0.11 | 0.12 |
| Geothermal | | | | | | |
| Tide, Wave and Ocean | | | | | | |
| Other Sources | | | | | | |
| Gross Electricity Generation (TWh) | 1.23 | 1.17 | 4.13 | 4.59 | 2.97 | 2.76 |
| Solid Fuels | | | | | | |
| Petroleum and Products | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Gases | 0.34 | 0.22 | 3.11 | 2.92 | 1.45 | 0.83 |
| Nuclear | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Renewables | 0.85 | 0.92 | 1.00 | 1.63 | 1.46 | 1.86 |
| Wastes, non-RES | 0.03 | 0.03 | 0.03 | 0.05 | 0.06 | 0.07 |
| Cogeneration Heat and Power | | | | | | |
| CHP Electrical Capacity (GW) | | | 0.10 | 0.12 | 0.12 | 0.1 |
| CHP Electricity Generation (TWh) | | | 0.42 | 0.44 | 0.38 | 0.4 |
| CHP in Total Electricity Generation (%) | | | 10.1% | 9.6% | 12.8% | 12.7% |
| CHP Heat Production (PJ) | | | 1.19 | 3.21 | 2.55 | 2.4 |
| Transport Fuels (ktoe) | | | | | | |
| Final Consumption Petroleum Products | 1 291.5 | 1 909.1 | 2 772.2 | 2 551.9 | 2 413.9 | 2 326.1 |
| Motor Gasoline | 529.5 | 595.3 | 514.1 | 359.8 | 313.6 | 293.0 |
| Gas/Diesel Oil | 569.3 | 990.4 | 1 823.5 | 1 759.6 | 1 693.6 | 1 573.9 |
| Final Consumption Biofuels | | | 0.5 | 42.0 | 71.6 | 82.7 |
| Biogasoline | | | | 0.6 | 3.2 | 7.0 |
| Biodiesel | | | | 41.0 | 68.3 | 75.6 |
| Main Energy Indicators | | | | | | |
| Energy Intensity (toe/M€'10) | 144.1 | 118.7 | 134.8 | 115.5 | 93.6 | 89.1 |
| Energy per Capita (kgoe/cap) | 8 194.3 | 8 427.1 | 10 407.0 | 9 243.8 | 7 680.8 | 7 419.7 |
| Final Electricity per Capita (KWh/cap) | 12 316.0 | 13 318.7 | 13 333.9 | 13 131.7 | 11 246.5 | 11 050.6 |
| Primary Energy Intensity (toe/M€'10) | 142.1 | 116.9 | 134.0 | 114.7 | 92.8 | 88.4 |
| Import Dependency (%) | 97.7% | 99.6% | 97.4% | 97.1% | 96.5% | 95.9% |
| of Solid Fuels | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| of Hard Coal | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| of Petroleum Fuels | 98.2% | 102.1% | 99.4% | 99.4% | 100.3% | 99.3% |
| of Crude and NGL | | | | | | |
| of Natural Gas | 100.0% | 100.0% | 100.0% | 100.0% | 99.5% | 99.4% |
| Renewables in Gross Final Energy (%) | | | | | | |
| Overall RES with Aviation Cap | | | 1.4% | 2.9% | 4.5% | 5.0% |
| RES-H&C – Heating and Cooling | | | 3.6% | 4.7% | 7.2% | 6.9% |
| RES-E – Electricity Generation | | | 3.2% | 3.8% | 5.9% | 6.2% |
| RES-T – Transport | | | 0.1% | 2.1% | 5.4% | 6.5% |
| Gases Emissions (Mio ton CO₂) | | | | | | |
| CO ₂ Emissions* | 9.70 | 9.65 | 13.37 | 12.50 | 11.04 | 10.71 |
| GHGs Emissions* | 10.63 | 10.61 | 14.30 | 13.48 | 12.01 | 11.68 |
| Main Emissions Indicators | | | | | | |
| CO ₂ per Capita (kg CO ₂ /cap) | 2 3921.6 | 22 266.9 | 28 987.0 | 24 895.6 | 20 083.3 | 19 018.0 |
| Carbon Intensity (kg CO ₂ /toe) | 2 919.3 | 2 642.3 | 2 785.3 | 2 693.2 | 2 614.7 | 2 563.2 |
| CO ₂ GDP Intensity (ton CO ₂ /M€'10) | 420.6 | 313.6 | 375.5 | 311.1 | 244.8 | 228.3 |

* Total emissions without LULUCF, with ind. CO₂, including international aviation, excl. international maritime transport.

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

5.17 Hungary

| Mtoe, unless otherwise stated | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Production | 13.90 | 11.60 | 10.37 | 11.92 | 11.09 | 11.28 |
| Solid Fuels | 3.27 | 2.89 | 1.75 | 1.59 | 1.59 | 1.52 |
| of which Hard Coal | | | | | | |
| Petroleum and Products | 2.33 | 1.70 | 1.46 | 1.18 | 0.93 | 0.94 |
| of which Crude and NGL | 2.33 | 1.69 | 1.39 | 1.06 | 0.82 | 0.84 |
| Gases | 3.79 | 2.48 | 2.33 | 2.24 | 1.44 | 1.37 |
| of which Natural Gas | 3.79 | 2.48 | 2.33 | 2.24 | 1.44 | 1.37 |
| Nuclear | 3.62 | 3.67 | 3.59 | 4.08 | 4.06 | 4.10 |
| Renewables | 0.87 | 0.83 | 1.19 | 2.74 | 2.98 | 3.24 |
| Wastes, Non-Renewable | 0.03 | 0.03 | 0.06 | 0.09 | 0.10 | 0.11 |
| Net Imports | 12.55 | 13.96 | 17.42 | 15.00 | 14.12 | 13.45 |
| Solid Fuels | 1.36 | 1.09 | 1.30 | 1.14 | 0.63 | 0.80 |
| of which Hard Coal | 1.23 | 1.12 | 1.30 | 1.39 | 1.03 | 1.05 |
| Petroleum and Products | 5.44 | 5.29 | 5.78 | 5.64 | 5.66 | 6.45 |
| of which Crude and NGL | 5.89 | 5.88 | 5.90 | 5.66 | 6.00 | 6.07 |
| Gases | 5.53 | 7.28 | 9.81 | 7.73 | 6.82 | 5.22 |
| of which Natural Gas | 5.53 | 7.28 | 9.81 | 7.73 | 6.82 | 5.22 |
| Renewables | 0.00 | 0.00 | 0.00 | 0.04 | -0.14 | -0.22 |
| Electricity | 0.21 | 0.30 | 0.54 | 0.45 | 1.15 | 1.18 |
| Gross Inland Consumption | 26.18 | 25.30 | 27.61 | 26.60 | 23.82 | 25.20 |
| Solid Fuels | 4.62 | 3.85 | 3.03 | 2.73 | 2.22 | 2.36 |
| of which Hard Coal | 1.19 | 1.13 | 1.24 | 1.40 | 1.02 | 1.05 |
| Petroleum and Products | 7.67 | 6.96 | 7.12 | 6.67 | 6.46 | 6.92 |
| of which Crude and NGL | 8.20 | 7.48 | 7.27 | 6.65 | 6.73 | 6.65 |
| Gases | 9.18 | 9.66 | 12.09 | 9.82 | 6.98 | 7.49 |
| of which Natural Gas | 9.18 | 9.66 | 12.09 | 9.82 | 6.98 | 7.49 |
| Nuclear | 3.62 | 3.67 | 3.59 | 4.08 | 4.06 | 4.10 |
| Renewables | 0.87 | 0.83 | 1.19 | 2.78 | 2.85 | 3.01 |
| Electricity | 0.21 | 0.30 | 0.54 | 0.45 | 1.15 | 1.18 |
| Wastes, Non-Renewable | 0.03 | 0.03 | 0.06 | 0.09 | 0.10 | 0.13 |
| Primary Energy Consumption | 24.55 | 23.71 | 25.44 | 24.63 | 21.99 | 23.28 |
| Available for Final Consumption | 18.16 | 17.72 | 20.37 | 19.41 | 17.71 | 19.10 |
| Final Non-Energy Consumption | 1.63 | 1.59 | 2.17 | 1.97 | 1.83 | 1.92 |
| Final Energy Consumption | 16.23 | 16.14 | 18.23 | 17.41 | 16.19 | 17.31 |
| by Fuel/Product | | | | | | |
| Solid Fuels | 1.16 | 0.67 | 0.71 | 0.50 | 0.35 | 0.43 |
| Petroleum and Products | 4.20 | 4.22 | 4.90 | 4.59 | 4.71 | 5.13 |
| Gases | 6.37 | 6.50 | 7.84 | 6.28 | 5.12 | 5.45 |
| Biomass and Renewable Wastes | 0.73 | 0.69 | 0.58 | 1.88 | 2.01 | 2.11 |
| Solar | | | 0.00 | 0.01 | 0.01 | 0.01 |
| Geothermal | 0.08 | 0.08 | 0.08 | 0.09 | 0.06 | 0.05 |
| Electricity | 2.39 | 2.53 | 2.78 | 2.94 | 2.99 | 3.11 |
| Derived heat | 1.30 | 1.45 | 1.31 | 1.09 | 0.91 | 0.97 |
| Wastes, Non-Renewable | | | 0.03 | 0.03 | 0.05 | 0.06 |
| by Sector | | | | | | |
| Industry | 3.85 | 3.51 | 3.38 | 2.91 | 3.96 | 4.24 |
| Transport | 2.70 | 3.31 | 4.31 | 4.32 | 4.04 | 4.35 |
| Residential | 6.26 | 5.60 | 6.46 | 6.65 | 5.48 | 5.96 |
| Services | 2.64 | 3.03 | 3.51 | 3.05 | 2.12 | 2.18 |
| Agriculture and Fishing | 0.66 | 0.67 | 0.56 | 0.49 | 0.60 | 0.58 |
| Other | 0.13 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 |

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Installed Capacity (GW) | 7.40 | 8.28 | 8.59 | 8.99 | 8.66 | 8.58 |
| Combustible Fuels | 5.52 | 6.38 | 6.65 | 6.65 | 6.18 | 6.01 |
| Nuclear | 1.84 | 1.85 | 1.87 | 2.00 | 2.00 | 2.00 |
| Hydro | 0.05 | 0.05 | 0.05 | 0.05 | 0.06 | 0.06 |
| Wind | | | 0.02 | 0.29 | 0.33 | 0.33 |
| Solar PV | | | | 0.00 | 0.08 | 0.17 |
| Geothermal | | | | | | |
| Tide, Wave and Ocean | | | | | | |
| Other Sources | | | | | 0.01 | 0.01 |
| Gross Electricity Generation (TWh) | 34.02 | 35.19 | 35.76 | 37.37 | 29.39 | 30.34 |
| Solid Fuels | 9.08 | 9.59 | 7.02 | 6.23 | 6.00 | 5.79 |
| Petroleum and Products | 5.28 | 4.40 | 0.46 | 0.49 | 0.08 | 0.08 |
| Gases | 5.36 | 6.72 | 12.50 | 11.71 | 4.36 | 5.23 |
| Nuclear | 14.03 | 14.18 | 13.83 | 15.76 | 15.65 | 15.83 |
| Renewables | 0.22 | 0.24 | 1.87 | 3.02 | 3.14 | 3.21 |
| Wastes, non-RES | 0.05 | 0.06 | 0.07 | 0.15 | 0.12 | 0.14 |
| Cogeneration Heat and Power | | | | | | |
| CHP Electrical Capacity (GW) | | | 2.05 | 1.86 | 2.31 | 1.6 |
| CHP Electricity Generation (TWh) | | | 6.84 | 7.31 | 3.82 | 4.1 |
| CHP in Total Electricity Generation (%) | | | 19.1% | 19.6% | 13.0% | 13.5% |
| CHP Heat Production (PJ) | | | 47.42 | 42.18 | 25.94 | 24.4 |
| Transport Fuels (ktoe) | | | | | | |
| Final Consumption Petroleum Products | 2 608.7 | 3 220.4 | 4 208.3 | 4 020.8 | 3 716.4 | 4 047.2 |
| Motor Gasoline | 1 530.3 | 1 432.8 | 1 589.3 | 1 348.3 | 1 243.2 | 1 283.2 |
| Gas/Diesel Oil | 896.6 | 1 553.4 | 2 322.9 | 2 413.6 | 2 272.1 | 2 559.0 |
| Final Consumption Biofuels | | | 2.6 | 174.7 | 188.5 | 175.2 |
| Biogasoline | | | 2.6 | 56.5 | 60.4 | 42.6 |
| Biodiesel | | | | 118.2 | 128.1 | 132.6 |
| Main Energy Indicators | | | | | | |
| Energy Intensity (toe/M€'10) | 376.8 | 314.4 | 278.0 | 270.5 | 227.7 | 233.6 |
| Energy per Capita (kgoe/cap) | 2 533.0 | 2 474.9 | 2 734.5 | 2 656.1 | 2 411.1 | 2 556.9 |
| Final Electricity per Capita (KWh/cap) | 2 684.0 | 2 880.3 | 3 202.6 | 3 415.8 | 3 516.8 | 3 672.3 |
| Primary Energy Intensity (toe/M€'10) | 353.3 | 294.7 | 256.2 | 250.5 | 210.2 | 215.8 |
| Import Dependency (%) | 47.9% | 55.2% | 63.1% | 56.4% | 59.3% | 53.4% |
| of Solid Fuels | 29.5% | 28.2% | 42.9% | 41.9% | 28.3% | 34.0% |
| of Hard Coal | 103.5% | 99.0% | 105.1% | 99.5% | 101.0% | 99.3% |
| of Petroleum Fuels | 71.0% | 76.0% | 81.2% | 84.7% | 87.7% | 93.2% |
| of Crude and NGL | 71.9% | 78.6% | 81.2% | 85.2% | 89.2% | 91.3% |
| of Natural Gas | 60.3% | 75.4% | 81.1% | 78.7% | 97.7% | 69.7% |
| Renewables in Gross Final Energy (%) | | | | | | |
| Overall RES with Aviation Cap | | | 4.5% | 12.8% | 14.6% | 14.5% |
| RES-H&C – Heating and Cooling | | | 6.0% | 18.1% | 21.2% | 21.3% |
| RES-E – Electricity Generation | | | 4.4% | 7.1% | 7.3% | 7.3% |
| RES-T – Transport | | | 0.9% | 6.0% | 6.9% | 6.2% |
| Gases Emissions (Mio ton CO₂) | | | | | | |
| CO ₂ Emissions* | 62.16 | 59.25 | 61.30 | 52.93 | 44.57 | 47.32 |
| GHGs Emissions* | 76.03 | 74.17 | 76.59 | 66.12 | 58.41 | 61.64 |
| Main Emissions Indicators | | | | | | |
| CO ₂ per Capita (kg CO ₂ /cap) | 6 013.3 | 5 796.7 | 6 070.6 | 5 285.2 | 4 511.8 | 4 801.4 |
| Carbon Intensity (kg CO ₂ /toe) | 2 374.0 | 2 342.2 | 2 220.0 | 1 989.8 | 1 871.3 | 1 877.8 |
| CO ₂ GDP Intensity (ton CO ₂ /M€'10) | 894.4 | 736.4 | 617.2 | 538.3 | 426.1 | 438.7 |

* Total emissions without LULUCF, with ind. CO₂, including international aviation, excl. international maritime transport.

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

5.18 Malta

| Mtoe, unless otherwise stated | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|
| Production | | | 0.00 | 0.00 | 0.01 | 0.02 |
| Solid Fuels | | | | | | |
| of which Hard Coal | | | | | | |
| Petroleum and Products | | | | | | 0.001 |
| of which Crude and NGL | | | | | | |
| Gases | | | | | | |
| of which Natural Gas | | | | | | |
| Nuclear | | | | | | |
| Renewables | | | 0.00 | 0.00 | 0.01 | 0.02 |
| Wastes, Non-Renewable | | | | | | |
| Net Imports | 0.84 | 1.46 | 1.63 | 2.37 | 2.05 | 2.23 |
| Solid Fuels | | | | | | |
| of which Hard Coal | | | | | | |
| Petroleum and Products | 0.84 | 1.46 | 1.63 | 2.36 | 2.05 | 2.13 |
| of which Crude and NGL | | | | | | |
| Gases | | | | | | |
| of which Natural Gas | | | | | | |
| Renewables | | | | 0.00 | 0.01 | 0.01 |
| Electricity | | | | | | |
| Gross Inland Consumption | 0.76 | 0.80 | 0.97 | 0.94 | 0.89 | 0.76 |
| Solid Fuels | | | | | | |
| of which Hard Coal | | | | | | |
| Petroleum and Products | 0.76 | 0.80 | 0.97 | 0.93 | 0.87 | 0.65 |
| of which Crude and NGL | | | | | | |
| Gases | | | | | | |
| of which Natural Gas | | | | | | |
| Nuclear | | | | | | |
| Renewables | | | 0.00 | 0.01 | 0.02 | 0.02 |
| Electricity | | | | | | |
| Wastes, Non-Renewable | | | | | | |
| Primary Energy Consumption | 0.76 | 0.80 | 0.95 | 0.93 | 0.88 | 0.75 |
| Available for Final Consumption | 0.41 | 0.44 | 0.40 | 0.52 | 0.56 | 0.58 |
| Final Non-Energy Consumption | 0.00 | 0.00 | 0.02 | 0.01 | 0.00 | 0.01 |
| Final Energy Consumption | 0.46 | 0.44 | 0.38 | 0.50 | 0.55 | 0.57 |
| by Fuel/Product | | | | | | |
| Solid Fuels | | | | | | |
| Petroleum and Products | 0.35 | 0.31 | 0.22 | 0.34 | 0.36 | 0.38 |
| Gases | | | | | | |
| Biomass and Renewable Wastes | | | | 0.00 | 0.01 | 0.01 |
| Solar | | | 0.00 | 0.00 | 0.00 | 0.00 |
| Geothermal | | | | | | |
| Electricity | 0.11 | 0.14 | 0.16 | 0.16 | 0.17 | 0.18 |
| Derived heat | | | | | | |
| Wastes, Non-Renewable | | | | | | |
| by Sector | | | | | | |
| Industry | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | 0.05 |
| Transport | 0.31 | 0.28 | 0.20 | 0.29 | 0.30 | 0.31 |
| Residential | 0.07 | 0.08 | 0.08 | 0.07 | 0.07 | 0.08 |
| Services | 0.03 | 0.04 | 0.05 | 0.09 | 0.12 | 0.13 |
| Agriculture and Fishing | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 |
| Other | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 |

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|---------------|---------------|---------------|--------------|--------------|--------------|
| Installed Capacity (GW) | | | | 0.57 | 0.68 | 0.67 |
| Combustible Fuels | | | | 0.57 | 0.62 | 0.59 |
| Nuclear | | | | | | |
| Hydro | | | | | | |
| Wind | | | | | | |
| Solar PV | | | | 0.00 | 0.06 | 0.07 |
| Geothermal | | | | | | |
| Tide, Wave and Ocean | | | | | | |
| Other Sources | | | | | | |
| Gross Electricity Generation (TWh) | 1.63 | 1.92 | 2.24 | 2.11 | 2.25 | 1.30 |
| Solid Fuels | 0.09 | | | | | |
| Petroleum and Products | 1.54 | 1.92 | 2.24 | 2.11 | 2.17 | 1.20 |
| Gases | | | | | | |
| Nuclear | | | | | | |
| Renewables | | | | 0.00 | 0.08 | 0.10 |
| 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 | 308.2 | 277.3 | 199.2 | 286.3 | 291.5 | 306.9 |
| Motor Gasoline | 128.7 | 76.1 | 72.9 | 73.9 | 73.9 | 77.0 |
| Gas/Diesel Oil | 105.5 | 77.9 | 37.9 | 107.8 | 103.7 | 110.9 |
| Final Consumption Biofuels | | | | 0.5 | 4.9 | 4.5 |
| Biogasoline | | | | | | |
| Biodiesel | | | | 0.5 | 4.9 | 4.5 |
| Main Energy Indicators | | | | | | |
| Energy Intensity (toe/M€'10) | 174.9 | 148.6 | 162.8 | 142.3 | 114.0 | 90.6 |
| Energy per Capita (kgoe/cap) | 2005.7 | 2060.4 | 2413.9 | 2268.0 | 2082.8 | 1760.8 |
| Final Electricity per Capita (KWh/cap) | 3344.6 | 4030.8 | 4614.2 | 4405.5 | 4713.4 | 4923.8 |
| Primary Energy Intensity (toe/M€'10) | 174.9 | 148.6 | 159.4 | 140.9 | 113.5 | 90.0 |
| Import Dependency (%) | 104.8% | 100.3% | 100.0% | 99.0% | 97.7% | 97.3% |
| of Solid Fuels | | | | | | |
| of Hard Coal | | | | | | |
| of Petroleum Fuels | 104.8% | 100.3% | 100.1% | 99.2% | 98.3% | 97.8% |
| of Crude and NGL | | | | | | |
| of Natural Gas | | | | | | |
| Renewables in Gross Final Energy (%) | | | | | | |
| Overall RES with Aviation Cap | | | 0.2% | 1.0% | 4.7% | 5.0% |
| RES-H&C – Heating and Cooling | | | 2.2% | 7.8% | 14.5% | 14.1% |
| RES-E – Electricity Generation | | | 0.0% | 0.0% | 3.3% | 4.2% |
| RES-T – Transport | | | 0.0% | 0.0% | 4.6% | 4.7% |
| Gases Emissions (Mio ton CO₂) | | | | | | |
| CO ₂ Emissions | 2.69 | 2.78 | 2.97 | 2.94 | 2.82 | 2.11 |
| GHGs Emissions | 2.90 | 3.03 | 3.29 | 3.33 | 3.27 | 2.58 |
| Main Emissions Indicators | | | | | | |
| CO ₂ per Capita (kg CO ₂ /cap) | 7146.6 | 7161.2 | 7378.5 | 7108.3 | 6621.0 | 4907.1 |
| Carbon Intensity (kg CO ₂ /toe) | 3367.0 | 1914.7 | 1822.8 | 1232.4 | 1341.8 | 918.8 |
| CO ₂ GDP Intensity (ton CO ₂ /M€'10) | 623.1 | 516.4 | 497.6 | 445.9 | 362.5 | 252.4 |

* Total emissions without LULUCF, with ind. CO₂, including international aviation, excl. international maritime transport.

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

5.19 The Netherlands

| Mtoe, unless otherwise stated | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Production | 70.07 | 61.95 | 66.86 | 74.42 | 62.99 | 51.99 |
| Solid Fuels | | | | | | |
| of which Hard Coal | | | | | | |
| Petroleum and Products | 6.92 | 6.70 | 6.86 | 6.07 | 6.34 | 6.17 |
| of which Crude and NGL | 3.53 | 2.40 | 2.31 | 1.43 | 1.92 | 1.83 |
| Gases | 60.88 | 52.20 | 56.28 | 63.53 | 50.37 | 39.26 |
| of which Natural Gas | 60.88 | 52.20 | 56.28 | 63.53 | 50.37 | 39.26 |
| Nuclear | 1.04 | 1.01 | 1.03 | 1.02 | 1.06 | 1.05 |
| Renewables | 0.92 | 1.45 | 1.97 | 3.06 | 4.56 | 4.81 |
| Wastes, Non-Renewable | 0.32 | 0.58 | 0.72 | 0.73 | 0.68 | 0.69 |
| Net Imports | 17.32 | 34.67 | 37.58 | 29.91 | 29.60 | 46.79 |
| Solid Fuels | 8.74 | 7.92 | 8.22 | 9.18 | 9.81 | 12.30 |
| of which Hard Coal | 8.96 | 7.94 | 8.21 | 9.06 | 9.86 | 12.46 |
| Petroleum and Products | 33.97 | 42.40 | 48.43 | 44.58 | 40.79 | 44.17 |
| of which Crude and NGL | 59.45 | 60.24 | 60.97 | 59.52 | 54.19 | 59.60 |
| Gases | -26.37 | -17.19 | -20.94 | -24.21 | -21.23 | -9.37 |
| of which Natural Gas | -26.37 | -17.19 | -20.94 | -24.21 | -21.23 | -9.37 |
| Renewables | 0.00 | -0.10 | 0.29 | 0.13 | -1.19 | -1.18 |
| Electricity | 0.98 | 1.63 | 1.57 | 0.24 | 1.27 | 0.75 |
| Gross Inland Consumption | 75.52 | 78.02 | 84.11 | 85.78 | 76.36 | 77.56 |
| Solid Fuels | 8.93 | 7.77 | 8.09 | 7.54 | 9.01 | 10.94 |
| of which Hard Coal | 9.20 | 7.82 | 8.19 | 7.40 | 9.03 | 11.04 |
| Petroleum and Products | 28.84 | 30.67 | 35.09 | 33.76 | 31.75 | 31.20 |
| of which Crude and NGL | 63.09 | 62.27 | 63.06 | 60.95 | 57.41 | 60.79 |
| Gases | 34.51 | 35.01 | 35.34 | 39.31 | 29.06 | 29.18 |
| of which Natural Gas | 34.51 | 35.01 | 35.34 | 39.31 | 29.06 | 29.18 |
| Nuclear | 1.04 | 1.01 | 1.03 | 1.02 | 1.06 | 1.05 |
| Renewables | 0.92 | 1.35 | 2.27 | 3.19 | 3.40 | 3.64 |
| Electricity | 0.98 | 1.63 | 1.57 | 0.24 | 1.27 | 0.75 |
| Wastes, Non-Renewable | 0.32 | 0.58 | 0.72 | 0.73 | 0.82 | 0.80 |
| Primary Energy Consumption | 64.46 | 66.04 | 68.89 | 70.45 | 62.23 | 64.59 |
| Available for Final Consumption | 64.32 | 67.80 | 72.28 | 72.69 | 63.61 | 64.59 |
| Final Non-Energy Consumption | 11.07 | 11.99 | 15.22 | 15.34 | 14.13 | 12.96 |
| Final Energy Consumption | 50.99 | 52.34 | 54.18 | 55.14 | 47.32 | 48.51 |
| by Fuel/Product | | | | | | |
| Solid Fuels | 1.45 | 1.38 | 1.55 | 1.36 | 1.50 | 1.53 |
| Petroleum and Products | 15.97 | 17.47 | 18.63 | 18.46 | 16.83 | 17.20 |
| Gases | 23.32 | 21.05 | 20.51 | 22.02 | 16.37 | 17.17 |
| Biomass and Renewable Wastes | 0.44 | 0.49 | 0.58 | 0.93 | 1.17 | 1.15 |
| Solar | 0.01 | 0.01 | 0.02 | 0.02 | 0.03 | 0.03 |
| Geothermal | | | | 0.01 | 0.04 | 0.06 |
| Electricity | 6.96 | 8.21 | 9.00 | 9.29 | 8.74 | 8.87 |
| Derived heat | 2.83 | 3.70 | 3.85 | 3.00 | 2.61 | 2.46 |
| Wastes, Non-Renewable | 0.01 | 0.03 | 0.05 | 0.06 | 0.04 | 0.04 |
| by Sector | | | | | | |
| Industry | 16.08 | 16.51 | 17.02 | 15.43 | 14.32 | 14.27 |
| Transport | 12.60 | 14.16 | 15.24 | 15.10 | 13.91 | 14.27 |
| Residential | 11.79 | 10.83 | 10.74 | 12.46 | 9.12 | 9.56 |
| Services | 5.77 | 6.24 | 6.93 | 7.80 | 6.33 | 6.55 |
| Agriculture and Fishing | 4.63 | 4.50 | 4.17 | 4.22 | 3.55 | 3.76 |
| Other | 0.12 | 0.10 | 0.08 | 0.12 | 0.10 | 0.09 |

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|---------------|---------------|---------------|
| Installed Capacity (GW) | 19.03 | 21.06 | 21.80 | 26.69 | 31.76 | 33.87 |
| Combustible Fuels | 18.20 | 20.07 | 19.97 | 23.74 | 27.29 | 28.40 |
| Nuclear | 0.51 | 0.45 | 0.45 | 0.51 | 0.49 | 0.49 |
| Hydro | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| Wind | 0.25 | 0.45 | 1.22 | 2.24 | 2.87 | 3.39 |
| Solar PV | 0.00 | 0.01 | 0.05 | 0.09 | 1.05 | 1.52 |
| Geothermal | | | | | | |
| Tide, Wave and Ocean | | | | | | |
| Other Sources | 0.05 | 0.05 | 0.07 | 0.07 | 0.04 | 0.04 |
| Gross Electricity Generation (TWh) | 81.17 | 89.63 | 99.92 | 119.27 | 103.42 | 110.07 |
| Solid Fuels | 27.40 | 24.28 | 23.50 | 22.59 | 29.49 | 38.44 |
| Petroleum and Products | 2.81 | 2.64 | 2.26 | 1.25 | 1.91 | 1.43 |
| Gases | 44.63 | 54.36 | 61.03 | 78.55 | 54.46 | 49.39 |
| Nuclear | 4.02 | 3.93 | 4.00 | 3.97 | 4.09 | 4.08 |
| Renewables | 1.41 | 2.97 | 7.45 | 11.20 | 11.71 | 13.70 |
| Wastes, non-RES | 0.60 | 1.21 | 1.43 | 1.56 | 1.63 | 1.63 |
| Cogeneration Heat and Power | | | | | | |
| CHP Electrical Capacity (GW) | | | 7.16 | 9.30 | 9.18 | 9.2 |
| CHP Electricity Generation (TWh) | | | 29.47 | 39.24 | 29.96 | 29.8 |
| CHP in Total Electricity Generation (%) | | | 29.4% | 33.2% | 29.0% | 27.1% |
| CHP Heat Production (PJ) | | | 220.28 | 233.61 | 196.28 | 189.6 |
| Transport Fuels (ktoe) | | | | | | |
| Final Consumption Petroleum Products | 12471.7 | 14017.3 | 15097.4 | 14711.6 | 13379.2 | 13788.4 |
| Motor Gasoline | 4205.8 | 4233.1 | 4313.0 | 4161.7 | 3801.2 | 3862.1 |
| Gas/Diesel Oil | 4840.3 | 5861.2 | 6675.1 | 6783.2 | 5730.7 | 5892.8 |
| Final Consumption Biofuels | | | | 229.7 | 349.2 | 297.4 |
| Biogasoline | | | | 135.1 | 128.3 | 141.9 |
| Biodiesel | | | | 94.6 | 220.9 | 155.5 |
| Main Energy Indicators | | | | | | |
| Energy Intensity (toe/M€'10) | 168.3 | 140.6 | 141.9 | 135.8 | 118.7 | 118.3 |
| Energy per Capita (kgoe/cap) | 4896.3 | 4918.1 | 5158.1 | 5175.4 | 4537.3 | 4589.0 |
| Final Electricity per Capita (KWh/cap) | 5244.7 | 6020.1 | 6419.1 | 6515.8 | 6038.9 | 6101.0 |
| Primary Energy Intensity (toe/M€'10) | 143.7 | 119.0 | 116.2 | 111.5 | 96.8 | 98.5 |
| Import Dependency (%) | 20.1% | 38.1% | 37.8% | 30.1% | 33.3% | 52.1% |
| of Solid Fuels | 97.9% | 102.0% | 101.5% | 121.7% | 108.9% | 112.4% |
| of Hard Coal | 97.4% | 101.5% | 100.3% | 122.3% | 109.3% | 112.8% |
| of Petroleum Fuels | 85.7% | 97.4% | 96.2% | 94.2% | 91.9% | 101.5% |
| of Crude and NGL | 94.2% | 96.7% | 96.7% | 97.6% | 94.4% | 98.0% |
| of Natural Gas | -76.4% | -49.1% | -59.3% | -61.6% | -73.1% | -32.1% |
| Renewables in Gross Final Energy (%) | | | | | | |
| Overall RES with Aviation Cap | | | 2.5% | 3.9% | 5.5% | 5.8% |
| RES-H&C – Heating and Cooling | | | 2.4% | 3.1% | 5.2% | 5.5% |
| RES-E – Electricity Generation | | | 6.3% | 9.6% | 10.0% | 11.1% |
| RES-T – Transport | | | 0.5% | 2.6% | 6.2% | 5.3% |
| Gases Emissions (Mio ton CO₂) | | | | | | |
| CO ₂ Emissions* | 180.93 | 181.86 | 188.35 | 192.99 | 169.08 | 176.70 |
| GHGs Emissions* | 239.18 | 229.68 | 225.36 | 224.45 | 198.50 | 206.71 |
| Main Emissions Indicators | | | | | | |
| CO ₂ per Capita (kg CO ₂ /cap) | 11730.1 | 11464.0 | 11551.3 | 11643.4 | 10046.7 | 10455.4 |
| Carbon Intensity (kg CO ₂ /toe) | 2096.0 | 2000.9 | 1895.4 | 1943.0 | 1899.8 | 1966.3 |
| CO ₂ GDP Intensity (ton CO ₂ /M€'10) | 403.3 | 327.8 | 317.7 | 305.6 | 262.9 | 269.5 |

* Total emissions without LULUCF, with ind. CO₂, including international aviation, excl. international maritime transport.

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

5.20 Austria

| Mtoe, unless otherwise stated | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Production | 8.77 | 9.79 | 9.80 | 11.85 | 11.97 | 11.93 |
| Solid Fuels | 0.34 | 0.29 | | | | |
| of which Hard Coal | 0.00 | | | | | |
| Petroleum and Products | 1.08 | 1.09 | 1.00 | 1.04 | 0.97 | 0.87 |
| of which Crude and NGL | 1.07 | 1.07 | 0.97 | 1.00 | 0.97 | 0.87 |
| Gases | 1.27 | 1.55 | 1.33 | 1.40 | 1.09 | 1.04 |
| of which Natural Gas | 1.27 | 1.55 | 1.33 | 1.40 | 1.09 | 1.04 |
| Nuclear | | | | | | |
| Renewables | 5.85 | 6.61 | 7.08 | 8.71 | 9.22 | 9.30 |
| Wastes, Non-Renewable | 0.23 | 0.25 | 0.39 | 0.70 | 0.69 | 0.73 |
| Net Imports | 18.02 | 19.01 | 24.52 | 21.57 | 21.48 | 20.21 |
| Solid Fuels | 2.64 | 3.02 | 3.97 | 3.36 | 3.06 | 2.71 |
| of which Hard Coal | 2.05 | 2.34 | 2.99 | 2.48 | 2.20 | 2.08 |
| Petroleum and Products | 10.10 | 10.84 | 13.21 | 11.50 | 10.91 | 11.25 |
| of which Crude and NGL | 7.56 | 7.22 | 7.88 | 6.70 | 7.62 | 8.02 |
| Gases | 5.46 | 5.31 | 7.15 | 6.12 | 6.24 | 4.99 |
| of which Natural Gas | 5.46 | 5.31 | 7.15 | 6.12 | 6.24 | 4.99 |
| Renewables | 0.04 | -0.03 | -0.04 | 0.39 | 0.47 | 0.41 |
| Electricity | -0.21 | -0.12 | 0.23 | 0.20 | 0.80 | 0.87 |
| Gross Inland Consumption | 27.11 | 29.02 | 34.13 | 34.29 | 32.47 | 33.25 |
| Solid Fuels | 3.48 | 3.60 | 4.00 | 3.38 | 3.03 | 3.18 |
| of which Hard Coal | 2.32 | 2.56 | 2.80 | 2.54 | 2.16 | 2.51 |
| Petroleum and Products | 11.29 | 12.13 | 14.40 | 12.77 | 11.90 | 11.96 |
| of which Crude and NGL | 8.63 | 8.31 | 8.90 | 7.78 | 8.56 | 8.83 |
| Gases | 6.44 | 6.59 | 8.09 | 8.12 | 6.45 | 6.88 |
| of which Natural Gas | 6.44 | 6.59 | 8.09 | 8.12 | 6.45 | 6.88 |
| Nuclear | | | | | | |
| Renewables | 5.89 | 6.57 | 7.03 | 9.11 | 9.60 | 9.65 |
| Electricity | -0.21 | -0.12 | 0.23 | 0.20 | 0.80 | 0.87 |
| Wastes, Non-Renewable | 0.23 | 0.25 | 0.39 | 0.70 | 0.69 | 0.73 |
| Primary Energy Consumption | 25.73 | 27.30 | 32.42 | 32.45 | 30.45 | 31.33 |
| Available for Final Consumption | 22.74 | 25.45 | 29.57 | 30.05 | 28.76 | 29.30 |
| Final Non-Energy Consumption | 1.38 | 1.72 | 1.71 | 1.84 | 2.02 | 1.92 |
| Final Energy Consumption | 21.37 | 23.69 | 27.84 | 28.17 | 26.74 | 27.37 |
| by Fuel/Product | | | | | | |
| Solid Fuels | 1.58 | 1.40 | 1.40 | 1.25 | 1.27 | 1.46 |
| Petroleum and Products | 8.83 | 9.78 | 12.04 | 10.50 | 9.69 | 9.84 |
| Gases | 3.79 | 4.50 | 5.19 | 5.32 | 4.88 | 4.88 |
| Biomass and Renewable Wastes | 2.15 | 2.34 | 2.67 | 3.54 | 3.47 | 3.64 |
| Solar | 0.04 | 0.06 | 0.09 | 0.16 | 0.18 | 0.18 |
| Geothermal | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| Electricity | 4.02 | 4.43 | 4.94 | 5.19 | 5.22 | 5.23 |
| Derived heat | 0.85 | 1.02 | 1.28 | 1.84 | 1.74 | 1.83 |
| Wastes, Non-Renewable | 0.12 | 0.15 | 0.22 | 0.36 | 0.29 | 0.30 |
| by Sector | | | | | | |
| Industry | 6.41 | 7.30 | 8.74 | 9.24 | 9.07 | 9.12 |
| Transport | 5.83 | 6.98 | 9.04 | 8.76 | 8.72 | 9.00 |
| Residential | 6.32 | 6.34 | 6.19 | 6.33 | 5.62 | 5.98 |
| Services | 2.27 | 2.55 | 3.33 | 3.34 | 2.80 | 2.73 |
| Agriculture and Fishing | 0.54 | 0.53 | 0.54 | 0.51 | 0.53 | 0.55 |
| Other | | | | | | |

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Installed Capacity (GW) | 17.40 | 17.80 | 18.90 | 21.19 | 24.05 | 24.44 |
| Combustible Fuels | 6.13 | 6.13 | 6.46 | 7.35 | 7.86 | 7.67 |
| Nuclear | | | | | | |
| Hydro | 11.26 | 11.61 | 11.63 | 12.71 | 13.29 | 13.35 |
| Wind | 0.00 | 0.05 | 0.78 | 0.98 | 2.11 | 2.49 |
| Solar PV | 0.00 | 0.01 | 0.03 | 0.15 | 0.79 | 0.94 |
| Geothermal | | | 0.00 | 0.00 | 0.00 | 0.00 |
| Tide, Wave and Ocean | | | | | | |
| Other Sources | | | | | | |
| Gross Electricity Generation (TWh) | 56.23 | 61.26 | 66.83 | 71.13 | 65.44 | 65.30 |
| Solid Fuels | 4.32 | 5.73 | 7.17 | 4.92 | 2.96 | 2.98 |
| Petroleum and Products | 2.12 | 1.70 | 1.64 | 1.27 | 0.60 | 0.86 |
| Gases | 9.76 | 8.86 | 14.35 | 16.14 | 7.36 | 9.88 |
| Nuclear | | | | | | |
| Renewables | 39.95 | 44.82 | 43.37 | 48.18 | 53.77 | 50.78 |
| Wastes, non-RES | 0.07 | 0.13 | 0.30 | 0.61 | 0.74 | 0.78 |
| Cogeneration Heat and Power | | | | | | |
| CHP Electrical Capacity (GW) | | | 2.17 | 3.16 | 3.99 | 2.8 |
| CHP Electricity Generation (TWh) | | | 7.68 | 10.96 | 8.49 | 9.0 |
| CHP in Total Electricity Generation (%) | | | 11.6% | 15.4% | 13.0% | 13.8% |
| CHP Heat Production (PJ) | | | 100.11 | 110.61 | 102.45 | 105.9 |
| Transport Fuels (ktoe) | | | | | | |
| Final Consumption Petroleum Products | 5444.1 | 6515.4 | 8537.1 | 7762.8 | 7637.8 | 7818.6 |
| Motor Gasoline | 2429.1 | 2015.6 | 2108.7 | 1700.3 | 1529.6 | 1545.5 |
| Gas/Diesel Oil | 2537.4 | 3891.7 | 5720.7 | 5330.1 | 5398.7 | 5516.2 |
| Final Consumption Biofuels | 10.3 | 15.7 | 48.9 | 495.4 | 587.0 | 645.2 |
| Biogasoline | | | | 78.9 | 63.0 | 60.1 |
| Biodiesel | 10.3 | 15.7 | 48.9 | 416.5 | 524.0 | 585.1 |
| Main Energy Indicators | | | | | | |
| Energy Intensity (toe/M€'10) | 124.0 | 114.4 | 123.5 | 116.4 | 105.6 | 107.1 |
| Energy per Capita (kgoe/cap) | 3413.0 | 3626.9 | 4161.3 | 4106.0 | 3816.7 | 3877.0 |
| Final Electricity per Capita (KWh/cap) | 5880.5 | 6440.9 | 7000.8 | 7222.2 | 7132.8 | 7090.9 |
| Primary Energy Intensity (toe/M€'10) | 117.7 | 107.6 | 117.3 | 110.2 | 99.0 | 100.9 |
| Import Dependency (%) | 66.4% | 65.4% | 71.8% | 62.9% | 66.1% | 60.8% |
| of Solid Fuels | 75.7% | 83.9% | 99.3% | 99.4% | 100.9% | 85.2% |
| of Hard Coal | 88.3% | 91.6% | 107.1% | 97.5% | 101.7% | 82.9% |
| of Petroleum Fuels | 89.3% | 89.1% | 91.6% | 89.9% | 91.6% | 94.0% |
| of Crude and NGL | 87.6% | 86.9% | 88.5% | 86.2% | 89.0% | 90.8% |
| of Natural Gas | 84.8% | 80.6% | 88.5% | 75.3% | 96.8% | 72.5% |
| Renewables in Gross Final Energy (%) | | | | | | |
| Overall RES with Aviation Cap | | | 23.9% | 30.4% | 32.8% | 33.0% |
| RES-H&C – Heating and Cooling | | | 22.3% | 29.5% | 32.0% | 32.0% |
| RES-E – Electricity Generation | | | 62.0% | 65.7% | 70.1% | 70.3% |
| RES-T – Transport | | | 4.8% | 10.9% | 10.9% | 11.4% |
| Gases Emissions (Mio ton CO₂) | | | | | | |
| CO ₂ Emissions* | 65.53 | 68.04 | 81.33 | 74.60 | 66.18 | 68.85 |
| GHGs Emissions* | 81.16 | 82.25 | 94.62 | 87.13 | 78.38 | 81.00 |
| Main Emissions Indicators | | | | | | |
| CO ₂ per Capita (kg CO ₂ /cap) | 8250.0 | 8502.8 | 9916.5 | 8932.0 | 7779.7 | 8028.2 |
| Carbon Intensity (kg CO ₂ /toe) | 2415.5 | 2342.5 | 2381.2 | 2174.0 | 2037.1 | 2069.7 |
| CO ₂ GDP Intensity (ton CO ₂ /M€'10) | 299.8 | 268.2 | 294.4 | 253.2 | 215.2 | 221.8 |

* Total emissions without LULUCF, with ind. CO₂, including international aviation, excl. international maritime transport.

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

5.21 Poland

| Mtoe, unless otherwise stated | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|---------------|--------------|--------------|
| Production | 99.38 | 79.59 | 78.59 | 67.39 | 67.91 | 68.33 |
| Solid Fuels | 91.07 | 71.30 | 68.86 | 55.38 | 54.03 | 53.87 |
| of which Hard Coal | 78.19 | 59.18 | 56.12 | 43.82 | 41.60 | 41.57 |
| Petroleum and Products | 0.37 | 1.06 | 1.14 | 1.06 | 1.56 | 1.62 |
| of which Crude and NGL | 0.27 | 0.63 | 0.84 | 0.68 | 0.93 | 0.91 |
| Gases | 3.18 | 3.32 | 3.89 | 3.70 | 3.73 | 3.68 |
| of which Natural Gas | 3.17 | 3.31 | 3.88 | 3.69 | 3.73 | 3.68 |
| Nuclear | | | | | | |
| Renewables | 3.92 | 3.81 | 4.55 | 6.85 | 8.07 | 8.64 |
| Wastes, Non-Renewable | 0.84 | 0.10 | 0.16 | 0.40 | 0.52 | 0.52 |
| Net Imports | -1.16 | 8.77 | 15.94 | 31.53 | 27.05 | 28.02 |
| Solid Fuels | -21.25 | -16.35 | -13.04 | -2.81 | -4.29 | -5.61 |
| of which Hard Coal | -18.94 | -13.85 | -9.70 | 1.80 | 0.43 | -0.96 |
| Petroleum and Products | 14.52 | 19.07 | 21.47 | 25.16 | 20.97 | 23.35 |
| of which Crude and NGL | 11.95 | 17.36 | 17.54 | 22.28 | 22.83 | 25.85 |
| Gases | 5.81 | 6.61 | 8.53 | 8.87 | 9.65 | 9.95 |
| of which Natural Gas | 5.81 | 6.61 | 8.53 | 8.87 | 9.65 | 9.95 |
| Renewables | 0.00 | 0.00 | -0.07 | 0.43 | 0.54 | 0.36 |
| Electricity | -0.24 | -0.55 | -0.96 | -0.12 | 0.19 | -0.03 |
| Gross Inland Consumption | 98.83 | 88.65 | 92.22 | 100.68 | 94.33 | 95.43 |
| Solid Fuels | 70.31 | 56.29 | 54.61 | 54.61 | 49.24 | 48.26 |
| of which Hard Coal | 59.72 | 46.35 | 45.55 | 47.94 | 41.39 | 40.69 |
| Petroleum and Products | 15.00 | 19.04 | 21.69 | 25.71 | 22.37 | 23.92 |
| of which Crude and NGL | 12.31 | 17.51 | 18.03 | 22.64 | 23.66 | 25.73 |
| Gases | 9.00 | 9.96 | 12.24 | 12.81 | 13.41 | 13.78 |
| of which Natural Gas | 9.00 | 9.96 | 12.24 | 12.81 | 13.40 | 13.78 |
| Nuclear | | | | | | |
| Renewables | 3.92 | 3.80 | 4.49 | 7.27 | 8.61 | 8.99 |
| Electricity | -0.24 | -0.55 | -0.96 | -0.12 | 0.19 | -0.03 |
| Wastes, Non-Renewable | 0.84 | 0.10 | 0.16 | 0.40 | 0.52 | 0.52 |
| Primary Energy Consumption | 95.12 | 84.29 | 87.65 | 95.72 | 89.17 | 90.00 |
| Available for Final Consumption | 67.25 | 58.57 | 62.71 | 71.09 | 66.19 | 66.52 |
| Final Non-Energy Consumption | 3.71 | 4.36 | 4.57 | 4.96 | 5.16 | 5.43 |
| Final Energy Consumption | 62.94 | 55.21 | 58.47 | 66.33 | 61.60 | 62.25 |
| by Fuel/Product | | | | | | |
| Solid Fuels | 22.58 | 13.22 | 12.21 | 13.77 | 12.03 | 11.69 |
| Petroleum and Products | 11.65 | 15.50 | 17.84 | 20.73 | 18.60 | 19.19 |
| Gases | 7.76 | 7.57 | 8.77 | 9.46 | 8.94 | 8.98 |
| Biomass and Renewable Wastes | 3.73 | 3.52 | 3.85 | 5.22 | 5.25 | 5.39 |
| Solar | | | | 0.01 | 0.04 | 0.05 |
| Geothermal | | 0.00 | 0.01 | 0.01 | 0.02 | 0.02 |
| Electricity | 7.71 | 8.43 | 9.03 | 10.21 | 10.78 | 10.99 |
| Derived heat | 8.82 | 6.89 | 6.63 | 6.55 | 5.45 | 5.46 |
| Wastes, Non-Renewable | 0.70 | 0.08 | 0.14 | 0.38 | 0.50 | 0.49 |
| by Sector | | | | | | |
| Industry | 23.03 | 18.45 | 15.32 | 14.10 | 15.03 | 15.05 |
| Transport | 8.30 | 9.92 | 12.54 | 17.70 | 16.37 | 17.24 |
| Residential | 22.67 | 17.19 | 19.45 | 21.97 | 18.97 | 18.84 |
| Services | 4.16 | 4.97 | 6.73 | 8.83 | 7.79 | 7.81 |
| Agriculture and Fishing | 4.78 | 4.64 | 4.43 | 3.73 | 3.43 | 3.31 |
| Other | 0.01 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 |

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|
| Installed Capacity (GW) | 29.48 | 30.56 | 32.26 | 33.36 | 35.99 | 37.32 |
| Combustible Fuels | 27.42 | 28.37 | 29.78 | 29.91 | 29.76 | 29.96 |
| Nuclear | | | | | | |
| Hydro | 2.06 | 2.18 | 2.32 | 2.34 | 2.36 | 2.37 |
| Wind | | 0.00 | 0.12 | 1.11 | 3.84 | 4.89 |
| Solar PV | | | | | 0.03 | 0.11 |
| Geothermal | | | | | | |
| Tide, Wave and Ocean | | | | | | |
| Other Sources | | | 0.04 | 0.00 | 0.00 | 0.00 |
| Gross Electricity Generation (TWh) | 139.01 | 145.18 | 156.94 | 157.66 | 159.06 | 164.94 |
| Solid Fuels | 131.77 | 135.89 | 141.88 | 136.51 | 129.52 | 130.52 |
| Petroleum and Products | 1.52 | 1.92 | 2.76 | 2.89 | 1.59 | 2.12 |
| Gases | 1.50 | 2.96 | 6.53 | 6.67 | 7.36 | 8.83 |
| Nuclear | | | | | | |
| Renewables | 3.92 | 4.34 | 5.42 | 11.46 | 20.39 | 23.29 |
| Wastes, non-RES | 0.30 | 0.08 | 0.04 | 0.05 | 0.05 | 0.08 |
| Cogeneration Heat and Power | | | | | | |
| CHP Electrical Capacity (GW) | | | 8.31 | 8.69 | 8.55 | 8.6 |
| CHP Electricity Generation (TWh) | | | 26.30 | 27.71 | 24.09 | 26.5 |
| CHP in Total Electricity Generation (%) | | | 16.8% | 17.6% | 15.1% | 16.1% |
| CHP Heat Production (PJ) | | | 275.43 | 277.10 | 237.65 | 238.6 |
| Transport Fuels (ktoe) | | | | | | |
| Final Consumption Petroleum Products | 7890.9 | 9459.2 | 11911.1 | 16319.9 | 15044.0 | 15834.6 |
| Motor Gasoline | 4610.3 | 5319.2 | 4229.6 | 4243.3 | 3535.4 | 3654.2 |
| Gas/Diesel Oil | 2796.3 | 3395.7 | 5657.1 | 9740.1 | 9153.7 | 9817.5 |
| Final Consumption Biofuels | | | 49.3 | 867.4 | 705.3 | 780.3 |
| Biogasoline | | | 33.9 | 169.6 | 132.8 | 153.5 |
| Biodiesel | | | 15.4 | 697.8 | 572.5 | 626.8 |
| Main Energy Indicators | | | | | | |
| Energy Intensity (toe/M€'10) | 518.7 | 360.0 | 321.7 | 278.3 | 233.3 | 227.3 |
| Energy per Capita (kgoe/cap) | 2561.6 | 2316.8 | 2415.9 | 2647.9 | 2481.1 | 2511.1 |
| Final Electricity per Capita (KWh/cap) | 2324.8 | 2563.1 | 2750.7 | 3121.5 | 3297.1 | 3363.2 |
| Primary Energy Intensity (toe/M€'10) | 499.2 | 342.3 | 305.8 | 264.6 | 220.6 | 214.4 |
| Import Dependency (%) | -1.2% | 9.9% | 17.2% | 31.3% | 28.6% | 29.3% |
| of Solid Fuels | -30.2% | -29.1% | -23.9% | -5.2% | -8.7% | -11.6% |
| of Hard Coal | -31.7% | -29.9% | -21.3% | 3.7% | 1.0% | -2.4% |
| of Petroleum Fuels | 95.9% | 98.7% | 97.5% | 97.0% | 93.1% | 96.8% |
| of Crude and NGL | 97.1% | 99.1% | 97.3% | 98.4% | 96.5% | 100.5% |
| of Natural Gas | 64.6% | 66.3% | 69.7% | 69.3% | 72.0% | 72.2% |
| Renewables in Gross Final Energy (%) | | | | | | |
| Overall RES with Aviation Cap | | | 6.9% | 9.3% | 11.5% | 11.8% |
| RES-H&C – Heating and Cooling | | | 10.2% | 11.7% | 14.0% | 14.3% |
| RES-E – Electricity Generation | | | 2.7% | 6.6% | 12.4% | 13.4% |
| RES-T – Transport | | | 1.6% | 6.6% | 6.2% | 6.4% |
| Gases Emissions (Mio ton CO₂) | | | | | | |
| CO ₂ Emissions* | 362.06 | 317.87 | 322.56 | 333.56 | 309.29 | 312.51 |
| GHGs Emissions* | 439.70 | 391.37 | 399.84 | 408.42 | 384.68 | 387.73 |
| Main Emissions Indicators | | | | | | |
| CO ₂ per Capita (kg CO ₂ /cap) | 9384.6 | 8307.4 | 8449.7 | 8772.7 | 8135.5 | 8222.8 |
| Carbon Intensity (kg CO ₂ /toe) | 3658.4 | 3574.4 | 3485.5 | 3306.0 | 3273.9 | 3268.2 |
| CO ₂ GDP Intensity (ton CO ₂ /M€'10) | 1900.3 | 1291.0 | 1125.2 | 921.9 | 765.1 | 744.4 |

* Total emissions without LULUCF, with ind. CO₂, including international aviation, excl. international maritime transport.

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

5.22 Portugal

| Mtoe, unless otherwise stated | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Production | 3.38 | 3.89 | 3.62 | 5.80 | 6.19 | 5.51 |
| Solid Fuels | | | | | | |
| of which Hard Coal | | | | | | |
| Petroleum and Products | | | | | 0.21 | 0.20 |
| of which Crude and NGL | | | | | | |
| Gases | 0.07 | 0.05 | | | | |
| of which Natural Gas | | | | | | |
| Nuclear | | | | | | |
| Renewables | 3.32 | 3.76 | 3.48 | 5.64 | 5.84 | 5.18 |
| Wastes, Non-Renewable | | 0.09 | 0.14 | 0.16 | 0.15 | 0.12 |
| Net Imports | 18.02 | 22.07 | 24.85 | 18.59 | 16.15 | 18.30 |
| Solid Fuels | 3.81 | 3.91 | 3.23 | 1.63 | 2.60 | 3.21 |
| of which Hard Coal | 3.84 | 3.97 | 3.22 | 1.63 | 2.59 | 3.20 |
| Petroleum and Products | 14.14 | 16.04 | 17.14 | 12.44 | 10.29 | 11.01 |
| of which Crude and NGL | 13.04 | 11.63 | 13.46 | 11.39 | 10.61 | 14.18 |
| Gases | 0.00 | 2.04 | 3.89 | 4.51 | 3.48 | 4.07 |
| of which Natural Gas | 0.00 | 2.04 | 3.89 | 4.51 | 3.48 | 4.07 |
| Renewables | | | | -0.21 | -0.32 | -0.21 |
| Electricity | 0.08 | 0.08 | 0.59 | 0.23 | 0.08 | 0.19 |
| Gross Inland Consumption | 20.64 | 25.29 | 27.48 | 24.28 | 22.09 | 23.00 |
| Solid Fuels | 3.60 | 3.81 | 3.35 | 1.66 | 2.68 | 3.21 |
| of which Hard Coal | 3.63 | 3.84 | 3.35 | 1.66 | 2.67 | 3.20 |
| Petroleum and Products | 13.57 | 15.48 | 16.17 | 12.29 | 10.17 | 10.40 |
| of which Crude and NGL | 13.04 | 11.76 | 13.44 | 11.53 | 10.86 | 14.06 |
| Gases | 0.07 | 2.08 | 3.75 | 4.49 | 3.47 | 4.07 |
| of which Natural Gas | 0.00 | 2.03 | 3.75 | 4.49 | 3.47 | 4.07 |
| Nuclear | | | | | | |
| Renewables | 3.32 | 3.76 | 3.48 | 5.46 | 5.51 | 4.97 |
| Electricity | 0.08 | 0.08 | 0.59 | 0.23 | 0.08 | 0.20 |
| Wastes, Non-Renewable | 0.00 | 0.09 | 0.14 | 0.16 | 0.17 | 0.16 |
| Primary Energy Consumption | 18.55 | 22.89 | 24.89 | 22.55 | 20.65 | 21.66 |
| Available for Final Consumption | 15.92 | 20.22 | 21.69 | 19.81 | 17.18 | 17.29 |
| Final Non-Energy Consumption | 2.08 | 2.39 | 2.59 | 1.73 | 1.44 | 1.34 |
| Final Energy Consumption | 13.85 | 17.92 | 19.01 | 18.10 | 15.77 | 16.04 |
| by Fuel/Product | | | | | | |
| Solid Fuels | 0.54 | 0.47 | 0.02 | 0.05 | 0.01 | 0.01 |
| Petroleum and Products | 8.27 | 10.71 | 10.81 | 9.28 | 7.83 | 7.96 |
| Gases | 0.11 | 0.87 | 1.31 | 1.56 | 1.55 | 1.64 |
| Biomass and Renewable Wastes | 2.40 | 2.41 | 2.51 | 2.48 | 2.05 | 2.10 |
| Solar | 0.02 | 0.02 | 0.02 | 0.05 | 0.08 | 0.08 |
| Geothermal | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Electricity | 2.48 | 3.30 | 3.98 | 4.29 | 3.89 | 3.94 |
| Derived heat | 0.04 | 0.13 | 0.33 | 0.34 | 0.27 | 0.24 |
| Wastes, Non-Renewable | | | 0.03 | 0.06 | 0.09 | 0.06 |
| by Sector | | | | | | |
| Industry | 4.93 | 6.32 | 5.80 | 5.45 | 4.41 | 4.45 |
| Transport | 4.94 | 6.64 | 7.19 | 7.30 | 6.44 | 6.61 |
| Residential | 2.56 | 2.80 | 3.22 | 2.97 | 2.57 | 2.54 |
| Services | 0.91 | 1.40 | 2.20 | 1.88 | 1.90 | 1.96 |
| Agriculture and Fishing | 0.49 | 0.73 | 0.58 | 0.46 | 0.43 | 0.44 |
| Other | 0.03 | 0.04 | 0.03 | 0.03 | 0.03 | 0.04 |

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Installed Capacity (GW) | 9.38 | 10.91 | 13.37 | 18.93 | 19.13 | 19.63 |
| Combustible Fuels | 4.89 | 6.28 | 7.28 | 9.87 | 8.11 | 8.05 |
| Nuclear | | | | | | |
| Hydro | 4.48 | 4.54 | 5.02 | 5.11 | 5.72 | 6.17 |
| Wind | 0.01 | 0.08 | 1.06 | 3.80 | 4.86 | 4.94 |
| Solar PV | | 0.00 | 0.00 | 0.13 | 0.42 | 0.45 |
| Geothermal | 0.01 | 0.01 | 0.01 | 0.03 | 0.03 | 0.03 |
| Tide, Wave and Ocean | | | | | | 0.00 |
| Other Sources | | | | | | |
| Gross Electricity Generation (TWh) | 33.27 | 43.76 | 46.58 | 54.09 | 52.80 | 52.42 |
| Solid Fuels | 13.41 | 14.60 | 15.23 | 7.10 | 11.95 | 14.73 |
| Petroleum and Products | 10.31 | 8.42 | 8.79 | 3.01 | 1.36 | 1.31 |
| Gases | 0.05 | 7.23 | 13.61 | 14.90 | 6.83 | 10.56 |
| Nuclear | | | | | | |
| Renewables | 9.50 | 13.26 | 8.65 | 28.75 | 32.40 | 25.51 |
| Wastes, non-RES | 0.00 | 0.26 | 0.31 | 0.33 | 0.25 | 0.30 |
| Cogeneration Heat and Power | | | | | | |
| CHP Electrical Capacity (GW) | | | 1.08 | 1.31 | 1.38 | 1.3 |
| CHP Electricity Generation (TWh) | | | 5.42 | 6.36 | 6.80 | 6.5 |
| CHP in Total Electricity Generation (%) | | | 11.6% | 11.8% | 12.9% | 12.3% |
| CHP Heat Production (PJ) | | | 59.61 | 67.22 | 69.30 | 59.3 |
| Transport Fuels (ktoe) | | | | | | |
| Final Consumption Petroleum Products | 4912.7 | 6603.5 | 7136.5 | 6940.3 | 6142.2 | 6245.3 |
| Motor Gasoline | 2022.4 | 2271.7 | 1934.6 | 1450.3 | 1144.5 | 1099.3 |
| Gas/Diesel Oil | 2272.7 | 3522.9 | 4285.6 | 4366.0 | 3824.1 | 3885.9 |
| Final Consumption Biofuels | | | | 309.1 | 261.2 | 327.6 |
| Biogasoline | | | | | 2.0 | 22.2 |
| Biodiesel | | | | 304.9 | 254.5 | 302.2 |
| Main Energy Indicators | | | | | | |
| Energy Intensity (toe/M€'10) | 150.8 | 151.3 | 157.4 | 135.0 | 130.6 | 133.9 |
| Energy per Capita (kgoe/cap) | 2061.7 | 2467.1 | 2618.0 | 2296.5 | 2118.0 | 2216.6 |
| Final Electricity per Capita (KWh/cap) | 2877.9 | 3744.1 | 4413.9 | 4718.2 | 4334.3 | 4415.7 |
| Primary Energy Intensity (toe/M€'10) | 135.6 | 137.0 | 142.6 | 125.3 | 122.1 | 126.1 |
| Import Dependency (%) | 85.3% | 85.1% | 88.6% | 75.1% | 71.2% | 77.4% |
| of Solid Fuels | 105.8% | 102.9% | 96.3% | 98.3% | 96.9% | 100.0% |
| of Hard Coal | 105.9% | 103.4% | 96.3% | 98.2% | 96.9% | 100.0% |
| of Petroleum Fuels | 100.6% | 99.4% | 102.3% | 97.5% | 95.5% | 99.7% |
| of Crude and NGL | 100.0% | 99.0% | 100.2% | 98.8% | 97.7% | 100.9% |
| of Natural Gas | | 100.2% | 103.8% | 100.4% | 100.1% | 99.8% |
| Renewables in Gross Final Energy (%) | | | | | | |
| Overall RES with Aviation Cap | | | 19.5% | 24.2% | 27.0% | 28.0% |
| RES-H&C – Heating and Cooling | | | 32.1% | 33.9% | 34.0% | 33.4% |
| RES-E – Electricity Generation | | | 27.7% | 40.7% | 52.1% | 52.6% |
| RES-T – Transport | | | 0.5% | 5.6% | 3.7% | 7.4% |
| Gases Emissions (Mio ton CO₂) | | | | | | |
| CO ₂ Emissions* | 56.36 | 67.90 | 71.60 | 55.42 | 50.91 | 55.33 |
| GHGs Emissions* | 71.68 | 84.52 | 88.61 | 72.12 | 67.39 | 72.09 |
| Main Emissions Indicators | | | | | | |
| CO ₂ per Capita (kg CO ₂ /cap) | 5631.3 | 6624.7 | 6822.1 | 5241.5 | 4882.1 | 5333.5 |
| Carbon Intensity (kg CO ₂ /toe) | 2668.7 | 2616.7 | 2552.4 | 2240.1 | 2243.6 | 2340.8 |
| CO ₂ GDP Intensity (ton CO ₂ /M€'10) | 411.8 | 406.2 | 410.3 | 308.0 | 301.0 | 322.1 |

* Total emissions without LULUCF, with ind. CO₂, including international aviation, excl. international maritime transport.

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

5.23 Romania

| Mtoe, unless otherwise stated | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Production | 32.31 | 28.47 | 28.22 | 27.82 | 26.66 | 26.74 |
| Solid Fuels | 7.89 | 5.60 | 5.80 | 5.90 | 4.45 | 4.71 |
| of which Hard Coal | 0.65 | 0.16 | 0.02 | 0.00 | 0.04 | 0.01 |
| Petroleum and Products | 6.82 | 6.36 | 6.23 | 4.57 | 4.28 | 4.24 |
| of which Crude and NGL | 6.72 | 6.30 | 5.58 | 4.52 | 4.18 | 4.13 |
| Gases | 14.45 | 10.97 | 9.70 | 8.62 | 8.77 | 8.79 |
| of which Natural Gas | 14.45 | 10.97 | 9.70 | 8.62 | 8.77 | 8.79 |
| Nuclear | 0.00 | 1.41 | 1.43 | 3.00 | 3.01 | 3.00 |
| Renewables | 2.80 | 4.04 | 4.98 | 5.71 | 6.09 | 5.94 |
| Wastes, Non-Renewable | 0.37 | 0.09 | 0.09 | 0.03 | 0.07 | 0.07 |
| Net Imports | 14.03 | 7.99 | 10.84 | 7.83 | 5.50 | 5.54 |
| Solid Fuels | 2.86 | 1.92 | 2.94 | 1.23 | 1.00 | 1.03 |
| of which Hard Coal | 3.01 | 1.65 | 2.42 | 0.47 | 0.41 | 0.47 |
| Petroleum and Products | 6.36 | 3.42 | 3.96 | 4.84 | 4.61 | 4.89 |
| of which Crude and NGL | 8.31 | 4.76 | 8.86 | 6.03 | 6.86 | 6.72 |
| Gases | 4.79 | 2.71 | 4.19 | 1.82 | 0.47 | 0.16 |
| of which Natural Gas | 4.79 | 2.71 | 4.19 | 1.82 | 0.47 | 0.16 |
| Renewables | 0.00 | 0.00 | 0.00 | 0.14 | 0.04 | 0.04 |
| Electricity | 0.03 | -0.06 | -0.25 | -0.20 | -0.61 | -0.58 |
| Gross Inland Consumption | 46.31 | 36.65 | 39.21 | 35.80 | 32.16 | 32.41 |
| Solid Fuels | 10.79 | 7.49 | 8.79 | 7.01 | 5.75 | 5.91 |
| of which Hard Coal | 3.69 | 1.72 | 2.37 | 0.47 | 0.47 | 0.49 |
| Petroleum and Products | 13.09 | 9.99 | 10.29 | 9.31 | 8.47 | 9.10 |
| of which Crude and NGL | 15.14 | 10.96 | 14.44 | 10.67 | 10.71 | 10.78 |
| Gases | 19.24 | 13.68 | 13.92 | 10.79 | 9.35 | 8.93 |
| of which Natural Gas | 19.24 | 13.68 | 13.92 | 10.79 | 9.35 | 8.93 |
| Nuclear | | 1.41 | 1.43 | 3.00 | 3.01 | 3.00 |
| Renewables | 2.80 | 4.04 | 4.94 | 5.86 | 6.12 | 5.97 |
| Electricity | 0.03 | -0.06 | -0.25 | -0.20 | -0.61 | -0.58 |
| Wastes, Non-Renewable | 0.37 | 0.10 | 0.09 | 0.03 | 0.07 | 0.07 |
| Primary Energy Consumption | 45.07 | 34.77 | 36.74 | 34.33 | 30.64 | 31.29 |
| Available for Final Consumption | 30.36 | 25.03 | 26.87 | 24.77 | 22.76 | 23.04 |
| Final Non-Energy Consumption | 1.24 | 1.88 | 2.47 | 1.47 | 1.52 | 1.13 |
| Final Energy Consumption | 26.97 | 22.77 | 24.71 | 22.59 | 21.72 | 21.89 |
| by Fuel/Product | | | | | | |
| Solid Fuels | 1.64 | 1.05 | 1.61 | 0.94 | 0.72 | 0.84 |
| Petroleum and Products | 5.70 | 5.53 | 6.63 | 6.19 | 6.80 | 7.01 |
| Gases | 10.34 | 6.91 | 7.75 | 6.19 | 5.64 | 5.47 |
| Biomass and Renewable Wastes | 1.28 | 2.74 | 3.17 | 4.02 | 3.60 | 3.51 |
| Solar | | | | 0.00 | 0.00 | 0.00 |
| Geothermal | 0.00 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 |
| Electricity | 3.13 | 2.92 | 3.34 | 3.55 | 3.60 | 3.70 |
| Derived heat | 4.68 | 3.57 | 2.14 | 1.65 | 1.27 | 1.27 |
| Wastes, Non-Renewable | 0.20 | 0.06 | 0.06 | 0.03 | 0.07 | 0.07 |
| by Sector | | | | | | |
| Industry | 15.15 | 9.30 | 10.01 | 6.88 | 6.47 | 6.47 |
| Transport | 3.11 | 3.46 | 4.28 | 5.12 | 5.47 | 5.58 |
| Residential | 6.33 | 8.41 | 7.99 | 8.10 | 7.41 | 7.38 |
| Services | 0.51 | 0.67 | 1.67 | 1.88 | 1.77 | 1.76 |
| Agriculture and Fishing | 1.00 | 0.40 | 0.22 | 0.39 | 0.42 | 0.46 |
| Other | 0.87 | 0.54 | 0.56 | 0.21 | 0.18 | 0.25 |

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Installed Capacity (GW) | 6.00 | 6.12 | 18.95 | 19.91 | 23.88 | 23.83 |
| Combustible Fuels | | | 11.95 | 11.64 | 11.32 | 11.23 |
| Nuclear | | | 0.71 | 1.41 | 1.41 | 1.41 |
| Hydro | 6.00 | 6.12 | 6.29 | 6.47 | 6.61 | 6.73 |
| Wind | | | 0.00 | 0.39 | 3.24 | 3.13 |
| Solar PV | | | | | 1.29 | 1.33 |
| Geothermal | | | | | | |
| Tide, Wave and Ocean | | | | | | |
| Other Sources | | | | | | |
| Gross Electricity Generation (TWh) | 59.27 | 51.93 | 59.41 | 60.98 | 65.68 | 66.30 |
| Solid Fuels | 20.59 | 18.93 | 21.92 | 20.68 | 17.76 | 18.13 |
| Petroleum and Products | 5.80 | 3.40 | 1.89 | 0.69 | 0.49 | 0.47 |
| Gases | 15.97 | 9.00 | 9.83 | 7.32 | 8.15 | 9.48 |
| Nuclear | | 5.46 | 5.56 | 11.62 | 11.68 | 11.64 |
| Renewables | 16.69 | 14.78 | 20.21 | 20.66 | 27.60 | 26.58 |
| Wastes, non-RES | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Cogeneration Heat and Power | | | | | | |
| CHP Electrical Capacity (GW) | | | 5.25 | 4.58 | 1.82 | 1.8 |
| CHP Electricity Generation (TWh) | | | 15.55 | 6.54 | 6.10 | 5.6 |
| CHP in Total Electricity Generation (%) | | | 26.2% | 10.8% | 9.3% | 8.4% |
| CHP Heat Production (PJ) | | | 95.39 | 69.00 | 55.36 | 51.0 |
| Transport Fuels (ktoe) | | | | | | |
| Final Consumption Petroleum Products | 2911.9 | 3273.3 | 4103.3 | 4881.6 | 5211.4 | 5280.2 |
| Motor Gasoline | 1082.1 | 1321.2 | 1599.8 | 1412.3 | 1354.1 | 1268.9 |
| Gas/Diesel Oil | 1583.1 | 1756.2 | 2298.3 | 3172.3 | 3567.7 | 3676.1 |
| Final Consumption Biofuels | | | | 115.3 | 166.6 | 202.5 |
| Biogasoline | | | | 46.7 | 41.6 | 61.5 |
| Biodiesel | | | | 68.6 | 125.0 | 141.0 |
| Main Energy Indicators | | | | | | |
| Energy Intensity (toe/M€'10) | 550.9 | 441.7 | 357.1 | 282.5 | 233.8 | 226.7 |
| Energy per Capita (kgoe/cap) | 2038.8 | 1632.1 | 1833.6 | 1764.0 | 1612.1 | 1631.2 |
| Final Electricity per Capita (KWh/cap) | 1600.6 | 1511.4 | 1817.3 | 2035.9 | 2100.8 | 2165.5 |
| Primary Energy Intensity (toe/M€'10) | 536.2 | 419.0 | 334.7 | 270.8 | 222.7 | 218.8 |
| Import Dependency (%) | 30.3% | 21.8% | 27.6% | 21.9% | 17.1% | 17.1% |
| of Solid Fuels | 26.5% | 25.6% | 33.4% | 17.6% | 17.4% | 17.4% |
| of Hard Coal | 81.7% | 96.0% | 102.2% | 100.9% | 87.0% | 95.3% |
| of Petroleum Fuels | 48.6% | 34.2% | 38.5% | 51.9% | 54.0% | 53.4% |
| of Crude and NGL | 54.9% | 43.5% | 61.3% | 56.5% | 64.1% | 62.4% |
| of Natural Gas | 24.9% | 19.8% | 30.1% | 16.8% | 5.0% | 1.8% |
| Renewables in Gross Final Energy (%) | | | | | | |
| Overall RES with Aviation Cap | | | 17.3% | 23.4% | 24.8% | 24.8% |
| RES-H&C – Heating and Cooling | | | 18.0% | 27.2% | 26.7% | 25.9% |
| RES-E – Electricity Generation | | | 26.9% | 30.4% | 41.7% | 43.2% |
| RES-T – Transport | | | 1.6% | 3.8% | 4.7% | 5.5% |
| Gases Emissions (Mio ton CO₂) | | | | | | |
| CO ₂ Emissions* | 126.08 | 93.39 | 99.96 | 82.76 | 77.81 | 79.39 |
| GHGs Emissions* | 181.74 | 140.60 | 146.84 | 121.40 | 116.04 | 117.81 |
| Main Emissions Indicators | | | | | | |
| CO ₂ per Capita (kg CO ₂ /cap) | 5551.2 | 4158.8 | 4675.0 | 4078.1 | 3901.0 | 3995.3 |
| Carbon Intensity (kg CO ₂ /toe) | 2722.9 | 2548.1 | 2549.7 | 2310.8 | 2413.7 | 2445.9 |
| CO ₂ GDP Intensity (ton CO ₂ /M€'10) | 1500.1 | 1125.4 | 910.6 | 653.0 | 565.7 | 555.2 |

* Total emissions without LULUCF, with ind. CO₂, including international aviation, excl. international maritime transport.

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

5.24 Slovenia

| Mtoe, unless otherwise stated | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|
| Production | 2.96 | 3.09 | 3.49 | 3.78 | 3.67 | 3.40 |
| Solid Fuels | 1.19 | 1.06 | 1.18 | 1.20 | 0.82 | 0.86 |
| of which Hard Coal | | | | | | |
| Petroleum and Products | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 |
| of which Crude and NGL | 0.00 | 0.00 | | | | |
| Gases | 0.02 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 |
| of which Natural Gas | 0.02 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 |
| Nuclear | 1.23 | 1.23 | 1.52 | 1.46 | 1.64 | 1.46 |
| Renewables | 0.51 | 0.79 | 0.77 | 1.09 | 1.16 | 1.03 |
| Wastes, Non-Renewable | 0.00 | 0.00 | 0.01 | 0.02 | 0.04 | 0.04 |
| Net Imports | 3.09 | 3.41 | 3.86 | 3.58 | 2.99 | 3.23 |
| Solid Fuels | 0.19 | 0.24 | 0.32 | 0.28 | 0.22 | 0.20 |
| of which Hard Coal | 0.14 | 0.20 | 0.29 | 0.23 | 0.19 | 0.18 |
| Petroleum and Products | 2.26 | 2.46 | 2.63 | 2.60 | 2.33 | 2.34 |
| of which Crude and NGL | 0.49 | 0.13 | | | | |
| Gases | 0.75 | 0.82 | 0.93 | 0.86 | 0.62 | 0.66 |
| of which Natural Gas | 0.75 | 0.82 | 0.93 | 0.86 | 0.62 | 0.66 |
| Renewables | 0.03 | 0.00 | 0.00 | 0.03 | 0.05 | 0.03 |
| Electricity | -0.14 | -0.11 | -0.03 | -0.18 | -0.24 | 0.00 |
| Gross Inland Consumption | 6.07 | 6.45 | 7.33 | 7.34 | 6.65 | 6.58 |
| Solid Fuels | 1.38 | 1.31 | 1.54 | 1.45 | 1.05 | 1.07 |
| of which Hard Coal | 0.14 | 0.19 | 0.30 | 0.23 | 0.18 | 0.18 |
| Petroleum and Products | 2.32 | 2.42 | 2.58 | 2.60 | 2.33 | 2.29 |
| of which Crude and NGL | 0.51 | 0.14 | | | | |
| Gases | 0.75 | 0.83 | 0.93 | 0.86 | 0.63 | 0.66 |
| of which Natural Gas | 0.75 | 0.83 | 0.93 | 0.86 | 0.63 | 0.66 |
| Nuclear | 1.23 | 1.23 | 1.52 | 1.46 | 1.64 | 1.46 |
| Renewables | 0.54 | 0.79 | 0.77 | 1.12 | 1.20 | 1.06 |
| Electricity | -0.14 | -0.11 | -0.03 | -0.18 | -0.24 | 0.00 |
| Wastes, Non-Renewable | 0.00 | 0.00 | 0.01 | 0.02 | 0.04 | 0.04 |
| Primary Energy Consumption | 5.95 | 6.21 | 7.02 | 7.13 | 6.51 | 6.45 |
| Available for Final Consumption | 4.23 | 4.70 | 5.23 | 5.27 | 4.73 | 4.82 |
| Final Non-Energy Consumption | 0.12 | 0.24 | 0.31 | 0.21 | 0.14 | 0.13 |
| Final Energy Consumption | 4.09 | 4.46 | 4.90 | 5.04 | 4.59 | 4.69 |
| by Fuel/Product | | | | | | |
| Solid Fuels | 0.11 | 0.09 | 0.08 | 0.05 | 0.04 | 0.04 |
| Petroleum and Products | 2.13 | 2.26 | 2.41 | 2.47 | 2.18 | 2.17 |
| Gases | 0.58 | 0.57 | 0.67 | 0.62 | 0.52 | 0.56 |
| Biomass and Renewable Wastes | 0.26 | 0.44 | 0.44 | 0.62 | 0.54 | 0.57 |
| Solar | | | | 0.01 | 0.01 | 0.01 |
| Geothermal | | | | 0.03 | 0.04 | 0.04 |
| Electricity | 0.80 | 0.91 | 1.10 | 1.03 | 1.07 | 1.10 |
| Derived heat | 0.21 | 0.20 | 0.20 | 0.19 | 0.15 | 0.17 |
| Wastes, Non-Renewable | 0.00 | 0.00 | 0.01 | 0.02 | 0.04 | 0.04 |
| by Sector | | | | | | |
| Industry | 1.18 | 1.42 | 1.64 | 1.27 | 1.23 | 1.23 |
| Transport | 1.35 | 1.26 | 1.49 | 1.81 | 1.82 | 1.80 |
| Residential | 1.16 | 1.13 | 1.19 | 1.33 | 1.02 | 1.11 |
| Services | 0.40 | 0.53 | 0.48 | 0.53 | 0.43 | 0.46 |
| Agriculture and Fishing | 0.00 | 0.08 | 0.08 | 0.07 | 0.08 | 0.08 |
| Other | 0.00 | 0.04 | 0.02 | 0.03 | 0.02 | 0.02 |

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Installed Capacity (GW) | 2.52 | 2.61 | 2.99 | 3.19 | 3.45 | 3.36 |
| Combustible Fuels | 1.10 | 1.12 | 1.36 | 1.26 | 1.24 | 1.13 |
| Nuclear | 0.66 | 0.66 | 0.66 | 0.67 | 0.69 | 0.69 |
| Hydro | 0.76 | 0.84 | 0.98 | 1.25 | 1.30 | 1.30 |
| Wind | | | | | 0.00 | 0.01 |
| Solar PV | | | | 0.01 | 0.22 | 0.24 |
| Geothermal | | | | | | |
| Tide, Wave and Ocean | | | | | | |
| Other Sources | | | | | | |
| Gross Electricity Generation (TWh) | 12.91 | 13.62 | 15.12 | 16.44 | 17.44 | 15.10 |
| Solid Fuels | 4.60 | 4.61 | 5.27 | 5.29 | 3.76 | 4.39 |
| Petroleum and Products | 0.26 | 0.06 | 0.04 | 0.01 | 0.04 | 0.02 |
| Gases | 0.02 | 0.29 | 0.34 | 0.55 | 0.37 | 0.40 |
| Nuclear | 4.78 | 4.76 | 5.88 | 5.66 | 6.37 | 5.65 |
| Renewables | 3.25 | 3.90 | 3.58 | 4.93 | 6.89 | 4.64 |
| Wastes, non-RES | | | 0.01 | 0.01 | 0.01 | 0.01 |
| Cogeneration Heat and Power | | | | | | |
| CHP Electrical Capacity (GW) | | | 0.34 | 0.33 | 0.37 | 0.4 |
| CHP Electricity Generation (TWh) | | | 1.10 | 1.14 | 1.17 | 1.2 |
| CHP in Total Electricity Generation (%) | | | 7.3% | 6.9% | 7.1% | 7.7% |
| CHP Heat Production (PJ) | | | 15.00 | 11.60 | 10.15 | 10.4 |
| Transport Fuels (ktoe) | | | | | | |
| Final Consumption Petroleum Products | 1 334.4 | 1 236.2 | 1 475.9 | 1 745.8 | 1 764.4 | 1 754.0 |
| Motor Gasoline | 880.5 | 860.1 | 698.1 | 600.1 | 447.2 | 436.7 |
| Gas/Diesel Oil | 433.4 | 350.4 | 754.1 | 1 111.1 | 1 276.9 | 1 275.9 |
| Final Consumption Biofuels | | | | 45.7 | 43.7 | 29.4 |
| Biogasoline | | | | 4.3 | 7.6 | 6.5 |
| Biodiesel | | | | 41.4 | 36.1 | 22.9 |
| Main Energy Indicators | | | | | | |
| Energy Intensity (toe/M€'10) | 268.3 | 231.3 | 220.1 | 202.4 | 183.7 | 177.6 |
| Energy per Capita (kgoe/cap) | 3 052.1 | 3 245.4 | 3 666.9 | 3 584.3 | 3 227.9 | 3 189.2 |
| Final Electricity per Capita (KWh/cap) | 4 696.2 | 5 292.9 | 6 378.7 | 5 835.4 | 6 044.9 | 6 199.1 |
| Primary Energy Intensity (toe/M€'10) | 263.1 | 222.8 | 210.9 | 196.6 | 179.8 | 174.2 |
| Import Dependency (%) | 50.9% | 52.8% | 52.5% | 48.7% | 44.5% | 48.7% |
| of Solid Fuels | 13.6% | 18.7% | 21.0% | 19.2% | 21.4% | 18.9% |
| of Hard Coal | 100.0% | 100.5% | 93.8% | 100.9% | 103.8% | 96.7% |
| of Petroleum Fuels | 97.8% | 101.5% | 101.2% | 99.2% | 97.7% | 99.6% |
| of Crude and NGL | 95.9% | 87.5% | | | | |
| of Natural Gas | 100.5% | 99.3% | 99.6% | 99.3% | 99.5% | 99.7% |
| Renewables in Gross Final Energy (%) | | | | | | |
| Overall RES with Aviation Cap | | | 16.0% | 20.4% | 21.5% | 22.0% |
| RES-H&C – Heating and Cooling | | | 18.9% | 28.1% | 32.4% | 34.1% |
| RES-E – Electricity Generation | | | 28.7% | 32.2% | 33.9% | 32.7% |
| RES-T – Transport | | | 0.8% | 3.1% | 2.9% | 2.2% |
| Gases Emissions (Mio ton CO₂) | | | | | | |
| CO ₂ Emissions* | 15.30 | 15.50 | 16.99 | 16.43 | 13.58 | 13.67 |
| GHGs Emissions* | 18.78 | 19.16 | 20.56 | 19.68 | 16.68 | 16.91 |
| Main Emissions Indicators | | | | | | |
| CO ₂ per Capita (kg CO ₂ /cap) | 7 691.4 | 7 797.3 | 8 505.5 | 8 028.2 | 6 590.9 | 6 627.7 |
| Carbon Intensity (kg CO ₂ /toe) | 2 520.1 | 2 402.6 | 2 312.9 | 2 234.3 | 2 025.1 | 2 058.8 |
| CO ₂ GDP Intensity (ton CO ₂ /M€'10) | 676.1 | 555.8 | 510.6 | 453.3 | 375.1 | 369.0 |

* Total emissions without LULUCF, with ind. CO₂, including international aviation, excl. international maritime transport.

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

5.25 Slovak Republic

| Mtoe, unless otherwise stated | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Production | 5.06 | 6.39 | 6.68 | 6.35 | 6.72 | 6.74 |
| Solid Fuels | 1.02 | 1.02 | 0.64 | 0.61 | 0.58 | 0.50 |
| of which Hard Coal | | | | | | |
| Petroleum and Products | 0.13 | 0.17 | 0.38 | 0.39 | 0.42 | 0.43 |
| of which Crude and NGL | 0.07 | 0.06 | 0.04 | 0.02 | 0.01 | 0.01 |
| Gases | 0.26 | 0.13 | 0.13 | 0.09 | 0.08 | 0.08 |
| of which Natural Gas | 0.26 | 0.13 | 0.13 | 0.09 | 0.08 | 0.08 |
| Nuclear | 2.95 | 4.26 | 4.63 | 3.82 | 4.04 | 3.95 |
| Renewables | 0.50 | 0.50 | 0.86 | 1.40 | 1.44 | 1.59 |
| Wastes, Non-Renewable | 0.21 | 0.32 | 0.05 | 0.03 | 0.15 | 0.19 |
| Net Imports | 12.14 | 12.00 | 12.43 | 11.26 | 9.86 | 9.64 |
| Solid Fuels | 4.14 | 3.43 | 3.74 | 2.95 | 2.85 | 2.77 |
| of which Hard Coal | 3.10 | 3.15 | 3.48 | 2.57 | 2.59 | 2.53 |
| Petroleum and Products | 3.36 | 3.09 | 3.27 | 3.30 | 2.98 | 2.99 |
| of which Crude and NGL | 5.09 | 5.72 | 5.43 | 5.31 | 5.36 | 5.77 |
| Gases | 4.53 | 5.71 | 5.74 | 5.00 | 3.95 | 3.69 |
| of which Natural Gas | 4.53 | 5.71 | 5.74 | 5.00 | 3.95 | 3.69 |
| Renewables | | | -0.04 | -0.08 | -0.03 | -0.02 |
| Electricity | 0.12 | -0.23 | -0.28 | 0.09 | 0.10 | 0.21 |
| Gross Inland Consumption | 17.72 | 18.30 | 19.03 | 17.86 | 16.18 | 16.43 |
| Solid Fuels | 5.39 | 4.28 | 4.23 | 3.90 | 3.42 | 3.28 |
| of which Hard Coal | 3.34 | 3.03 | 3.31 | 2.79 | 2.63 | 2.59 |
| Petroleum and Products | 3.34 | 3.42 | 3.71 | 3.68 | 3.28 | 3.34 |
| of which Crude and NGL | 5.01 | 5.86 | 5.56 | 5.32 | 5.30 | 5.81 |
| Gases | 5.22 | 5.78 | 5.88 | 5.01 | 3.77 | 3.88 |
| of which Natural Gas | 5.22 | 5.78 | 5.88 | 5.01 | 3.77 | 3.88 |
| Nuclear | 2.95 | 4.26 | 4.63 | 3.82 | 4.04 | 3.95 |
| Renewables | 0.50 | 0.49 | 0.81 | 1.33 | 1.42 | 1.58 |
| Electricity | 0.12 | -0.23 | -0.28 | 0.09 | 0.10 | 0.21 |
| Wastes, Non-Renewable | 0.21 | 0.32 | 0.05 | 0.04 | 0.15 | 0.19 |
| Primary Energy Consumption | 16.79 | 16.94 | 17.75 | 16.80 | 15.25 | 15.38 |
| Available for Final Consumption | 12.23 | 12.72 | 12.84 | 12.65 | 10.98 | 11.16 |
| Final Non-Energy Consumption | 0.93 | 1.37 | 1.28 | 1.05 | 0.93 | 1.05 |
| Final Energy Consumption | 11.03 | 10.98 | 11.56 | 11.55 | 9.98 | 10.08 |
| by Fuel/Product | | | | | | |
| Solid Fuels | 2.56 | 1.75 | 1.57 | 1.64 | 1.43 | 1.32 |
| Petroleum and Products | 1.61 | 1.70 | 2.18 | 2.30 | 2.11 | 2.12 |
| Gases | 4.07 | 4.70 | 4.54 | 4.12 | 3.11 | 3.09 |
| Biomass and Renewable Wastes | 0.08 | 0.09 | 0.33 | 0.54 | 0.51 | 0.63 |
| Solar | | | | 0.00 | 0.01 | 0.01 |
| Geothermal | | | 0.00 | 0.00 | 0.00 | 0.00 |
| Electricity | 1.87 | 1.89 | 1.97 | 2.08 | 2.08 | 2.10 |
| Derived heat | 0.72 | 0.62 | 0.95 | 0.85 | 0.61 | 0.63 |
| Wastes, Non-Renewable | 0.12 | 0.23 | 0.02 | 0.02 | 0.14 | 0.17 |
| by Sector | | | | | | |
| Industry | 4.69 | 4.53 | 4.71 | 4.36 | 4.45 | 4.43 |
| Transport | 1.41 | 1.45 | 2.39 | 2.63 | 2.21 | 2.21 |
| Residential | 1.98 | 2.59 | 2.54 | 2.31 | 1.95 | 1.99 |
| Services | 2.66 | 2.20 | 1.75 | 2.11 | 1.23 | 1.30 |
| Agriculture and Fishing | 0.30 | 0.21 | 0.17 | 0.13 | 0.14 | 0.15 |
| Other | | | | | | |

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|
| Installed Capacity (GW) | 7.24 | 7.45 | 8.26 | 7.87 | 8.09 | 7.78 |
| Combustible Fuels | 3.22 | 2.39 | 3.09 | 3.50 | 3.07 | 2.75 |
| Nuclear | 1.76 | 2.64 | 2.64 | 1.82 | 1.94 | 1.94 |
| Hydro | 2.26 | 2.42 | 2.51 | 2.52 | 2.52 | 2.52 |
| Wind | | | 0.01 | 0.00 | 0.00 | 0.00 |
| Solar PV | | | | 0.02 | 0.53 | 0.53 |
| Geothermal | | | | | | |
| Tide, Wave and Ocean | | | | | | |
| Other Sources | | | 0.01 | 0.02 | 0.03 | 0.03 |
| Gross Electricity Generation (TWh) | 26.77 | 31.16 | 31.46 | 27.86 | 27.40 | 26.90 |
| Solid Fuels | 6.46 | 5.58 | 5.54 | 3.57 | 2.87 | 2.83 |
| Petroleum and Products | 0.74 | 0.20 | 0.74 | 0.60 | 0.30 | 0.38 |
| Gases | 2.92 | 3.87 | 2.63 | 2.72 | 2.10 | 2.11 |
| Nuclear | 11.44 | 16.49 | 17.73 | 14.57 | 15.50 | 15.15 |
| Renewables | 5.23 | 4.98 | 4.78 | 6.33 | 6.48 | 6.31 |
| Wastes, non-RES | | 0.03 | 0.02 | 0.02 | 0.03 | 0.03 |
| Cogeneration Heat and Power | | | | | | |
| CHP Electrical Capacity (GW) | | | 5.41 | 2.82 | - | 3.7 |
| CHP Electricity Generation (TWh) | | | 4.80 | 4.43 | - | 21.1 |
| CHP in Total Electricity Generation (%) | | | 15.3% | 15.9% | - | 78.5% |
| CHP Heat Production (PJ) | | | 33.68 | 20.06 | - | 27.3 |
| Transport Fuels (ktoe) | | | | | | |
| Final Consumption Petroleum Products | 1 294.1 | 1 371.5 | 1 731.1 | 2 092.9 | 1 936.3 | 1 924.3 |
| Motor Gasoline | 512.2 | 605.0 | 666.8 | 599.5 | 551.6 | 576.8 |
| Gas/Diesel Oil | 741.8 | 739.8 | 1 011.3 | 1 449.9 | 1 316.5 | 1 266.7 |
| Final Consumption Biofuels | | | 11.2 | 97.7 | 133.9 | 143.9 |
| Biogasoline | | | | 23.8 | 24.6 | 22.9 |
| Biodiesel | | | 11.2 | 73.9 | 109.3 | 121.0 |
| Main Energy Indicators | | | | | | |
| Energy Intensity (toe/M€'10) | 503.1 | 436.9 | 355.1 | 264.2 | 220.1 | 215.2 |
| Energy per Capita (kgoe/cap) | 3 308.1 | 3 390.1 | 3 541.8 | 3 312.4 | 2 987.7 | 3 029.9 |
| Final Electricity per Capita (KWh/cap) | 4 057.0 | 4 076.9 | 4 253.0 | 4 477.4 | 4 460.3 | 4 495.4 |
| Primary Energy Intensity (toe/M€'10) | 476.8 | 404.3 | 331.2 | 248.6 | 207.4 | 201.4 |
| Import Dependency (%) | 68.5 % | 65.6 % | 65.3 % | 63.1 % | 60.9 % | 58.7 % |
| of Solid Fuels | 76.7 % | 80.2 % | 88.4 % | 75.7 % | 83.3 % | 84.6 % |
| of Hard Coal | 92.9 % | 103.8 % | 105.2 % | 91.9 % | 98.5 % | 97.5 % |
| of Petroleum Fuels | 100.6 % | 90.5 % | 88.2 % | 89.5 % | 91.0 % | 89.4 % |
| of Crude and NGL | 101.5 % | 97.6 % | 97.7 % | 99.9 % | 101.1 % | 99.3 % |
| of Natural Gas | 86.8 % | 98.8 % | 97.5 % | 99.9 % | 104.8 % | 95.1 % |
| Renewables in Gross Final Energy (%) | | | | | | |
| Overall RES with Aviation Cap | | | 6.4 % | 9.1 % | 11.7 % | 12.9 % |
| RES-H&C – Heating and Cooling | | | 5.0 % | 7.9 % | 8.9 % | 10.8 % |
| RES-E – Electricity Generation | | | 15.7 % | 17.8 % | 22.9 % | 22.7 % |
| RES-T – Transport | | | 1.6 % | 5.3 % | 7.6 % | 8.5 % |
| Gases Emissions (Mio ton CO₂) | | | | | | |
| CO ₂ Emissions* | 44.83 | 41.31 | 42.89 | 38.67 | 33.56 | 33.96 |
| GHGs Emissions* | 54.46 | 49.91 | 51.54 | 46.69 | 40.80 | 41.42 |
| Main Emissions Indicators | | | | | | |
| CO ₂ per Capita (kg CO ₂ /cap) | 8 369.2 | 7 652.5 | 7 982.4 | 7 173.5 | 6 196.7 | 6 264.3 |
| Carbon Intensity (kg CO ₂ /toe) | 2 529.9 | 2 257.3 | 2 253.8 | 2 165.7 | 2 074.1 | 2 067.5 |
| CO ₂ GDP Intensity (ton CO ₂ /M€'10) | 1 272.9 | 986.1 | 800.3 | 572.2 | 456.4 | 444.8 |

* Total emissions without LULUCF, with ind. CO₂, including international aviation, excl. international maritime transport.

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

5.26 Finland

| Mtoe, unless otherwise stated | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Production | 13.13 | 15.16 | 16.95 | 17.99 | 18.72 | 18.17 |
| Solid Fuels | 2.03 | 1.09 | 2.14 | 1.81 | 1.60 | 0.84 |
| of which Hard Coal | | | | | | |
| Petroleum and Products | 0.02 | 0.46 | 0.54 | 0.72 | 0.67 | 0.70 |
| of which Crude and NGL | | | | | | |
| Gases | | | | | 0.00 | 0.01 |
| of which Natural Gas | | | | | 0.00 | 0.01 |
| Nuclear | 4.96 | 5.80 | 6.00 | 5.88 | 6.08 | 6.00 |
| Renewables | 6.12 | 7.75 | 8.16 | 9.43 | 10.12 | 10.39 |
| Wastes, Non-Renewable | 0.01 | 0.07 | 0.11 | 0.15 | 0.24 | 0.24 |
| Net Imports | 15.91 | 18.22 | 18.95 | 17.84 | 17.06 | 15.66 |
| Solid Fuels | 3.83 | 3.51 | 3.31 | 3.95 | 3.59 | 2.46 |
| of which Hard Coal | 3.67 | 3.21 | 3.01 | 3.68 | 3.36 | 2.24 |
| Petroleum and Products | 8.51 | 10.26 | 10.65 | 9.23 | 9.21 | 9.46 |
| of which Crude and NGL | 8.67 | 11.56 | 10.57 | 11.21 | 12.08 | 11.10 |
| Gases | 2.84 | 3.43 | 3.61 | 3.84 | 2.51 | 2.24 |
| of which Natural Gas | 2.84 | 3.43 | 3.61 | 3.84 | 2.51 | 2.24 |
| Renewables | | | -0.08 | -0.08 | 0.19 | 0.09 |
| Electricity | 0.72 | 1.02 | 1.46 | 0.90 | 1.55 | 1.41 |
| Gross Inland Consumption | 29.36 | 32.41 | 34.50 | 37.11 | 34.77 | 33.16 |
| Solid Fuels | 6.05 | 5.09 | 4.90 | 6.87 | 4.47 | 4.03 |
| of which Hard Coal | 4.12 | 3.28 | 2.93 | 4.31 | 2.84 | 2.49 |
| Petroleum and Products | 8.66 | 9.25 | 10.33 | 10.12 | 9.62 | 8.76 |
| of which Crude and NGL | 9.21 | 11.39 | 10.83 | 11.09 | 12.16 | 10.66 |
| Gases | 2.84 | 3.43 | 3.61 | 3.84 | 2.52 | 2.24 |
| of which Natural Gas | 2.84 | 3.43 | 3.61 | 3.84 | 2.52 | 2.24 |
| Nuclear | 4.96 | 5.80 | 6.00 | 5.88 | 6.08 | 6.00 |
| Renewables | 6.13 | 7.75 | 8.09 | 9.35 | 10.30 | 10.49 |
| Electricity | 0.72 | 1.02 | 1.46 | 0.90 | 1.55 | 1.41 |
| Wastes, Non-Renewable | 0.01 | 0.07 | 0.11 | 0.15 | 0.24 | 0.24 |
| Primary Energy Consumption | 28.24 | 31.37 | 33.35 | 35.88 | 33.57 | 31.95 |
| Available for Final Consumption | 21.92 | 24.76 | 26.44 | 27.50 | 26.39 | 25.43 |
| Final Non-Energy Consumption | 1.13 | 1.04 | 1.15 | 1.22 | 1.20 | 1.21 |
| Final Energy Consumption | 21.97 | 24.32 | 25.19 | 26.25 | 24.50 | 24.18 |
| by Fuel/Product | | | | | | |
| Solid Fuels | 1.30 | 1.03 | 0.89 | 0.85 | 0.66 | 0.60 |
| Petroleum and Products | 7.67 | 7.81 | 8.15 | 7.70 | 6.71 | 6.72 |
| Gases | 1.33 | 1.21 | 1.10 | 1.03 | 0.86 | 0.84 |
| Biomass and Renewable Wastes | 3.94 | 4.48 | 4.23 | 4.89 | 5.41 | 5.39 |
| Solar | | | | 0.00 | 0.00 | 0.00 |
| Geothermal | | | | | | |
| Electricity | 5.61 | 6.51 | 6.94 | 7.18 | 6.81 | 6.75 |
| Derived heat | 2.13 | 3.27 | 3.85 | 4.55 | 3.99 | 3.83 |
| Wastes, Non-Renewable | 0.00 | 0.02 | 0.03 | 0.04 | 0.06 | 0.05 |
| by Sector | | | | | | |
| Industry | 9.86 | 12.20 | 11.88 | 11.34 | 10.70 | 10.70 |
| Transport | 4.18 | 4.28 | 4.65 | 4.84 | 4.76 | 4.79 |
| Residential | 5.44 | 4.49 | 5.02 | 5.81 | 5.07 | 4.90 |
| Services | 1.01 | 2.32 | 2.62 | 3.08 | 2.87 | 2.71 |
| Agriculture and Fishing | 0.76 | 0.77 | 0.75 | 0.81 | 0.75 | 0.72 |
| Other | 0.72 | 0.26 | 0.27 | 0.36 | 0.36 | 0.36 |

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Installed Capacity (GW) | 14.43 | 16.26 | 16.47 | 15.54 | 16.25 | 15.88 |
| Combustible Fuels | 9.34 | 10.70 | 10.68 | 9.46 | 9.61 | 8.85 |
| Nuclear | 2.31 | 2.64 | 2.67 | 2.72 | 2.75 | 2.75 |
| Hydro | 2.78 | 2.88 | 3.04 | 3.16 | 3.25 | 3.25 |
| Wind | 0.01 | 0.04 | 0.08 | 0.20 | 0.63 | 1.01 |
| Solar PV | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.02 |
| Geothermal | | | | | | |
| Tide, Wave and Ocean | | | | | | |
| Other Sources | | | | | | |
| Gross Electricity Generation (TWh) | 64.04 | 69.98 | 70.58 | 80.67 | 68.09 | 68.60 |
| Solid Fuels | 16.62 | 12.45 | 11.00 | 20.83 | 11.33 | 8.21 |
| Petroleum and Products | 1.45 | 0.59 | 0.50 | 0.48 | 0.24 | 0.21 |
| Gases | 7.21 | 10.82 | 11.92 | 11.85 | 6.01 | 5.77 |
| Nuclear | 19.22 | 22.48 | 23.27 | 22.80 | 23.58 | 23.25 |
| Renewables | 19.55 | 23.38 | 23.47 | 24.20 | 26.27 | 30.53 |
| Wastes, non-RES | 0.00 | 0.07 | 0.18 | 0.21 | 0.38 | 0.39 |
| Cogeneration Heat and Power | | | | | | |
| CHP Electrical Capacity (GW) | | | 5.83 | 6.17 | 6.01 | 5.8 |
| CHP Electricity Generation (TWh) | | | 27.46 | 29.24 | 23.04 | 21.7 |
| CHP in Total Electricity Generation (%) | | | 38.9% | 36.2% | 33.8% | 31.7% |
| CHP Heat Production (PJ) | | | 249.98 | 272.84 | 247.58 | 242.4 |
| Transport Fuels (ktoe) | | | | | | |
| Final Consumption Petroleum Products | 4127.2 | 4212.9 | 4569.0 | 4624.1 | 4188.3 | 4226.9 |
| Motor Gasoline | 2023.7 | 1748.0 | 1835.3 | 1531.3 | 1363.9 | 1359.8 |
| Gas/Diesel Oil | 1649.7 | 1942.7 | 2167.2 | 2433.2 | 2121.3 | 2155.4 |
| Final Consumption Biofuels | | | | 140.2 | 497.7 | 496.9 |
| Biogasoline | | | | 77.6 | 70.0 | 64.9 |
| Biodiesel | | | | 62.6 | 427.7 | 432.0 |
| Main Energy Indicators | | | | | | |
| Energy Intensity (toe/M€'10) | 237.9 | 205.0 | 192.1 | 198.3 | 186.4 | 177.2 |
| Energy per Capita (kgoe/cap) | 5758.9 | 6267.1 | 6588.8 | 6933.7 | 6378.1 | 6059.3 |
| Final Electricity per Capita (KWh/cap) | 12790.8 | 14635.6 | 15420.1 | 15603.3 | 14518.3 | 14340.2 |
| Primary Energy Intensity (toe/M€'10) | 228.8 | 198.4 | 185.6 | 191.8 | 179.9 | 170.8 |
| Import Dependency (%) | 53.6% | 55.1% | 54.1% | 47.8% | 48.9% | 46.8% |
| of Solid Fuels | 63.4% | 68.9% | 67.4% | 57.5% | 80.3% | 61.2% |
| of Hard Coal | 89.0% | 97.7% | 102.6% | 85.5% | 118.5% | 89.9% |
| of Petroleum Fuels | 94.6% | 103.5% | 98.4% | 89.4% | 94.8% | 104.5% |
| of Crude and NGL | 94.1% | 101.5% | 97.5% | 101.1% | 99.3% | 104.1% |
| of Natural Gas | 100.0% | 100.0% | 100.0% | 100.0% | 99.9% | 99.7% |
| Renewables in Gross Final Energy (%) | | | | | | |
| Overall RES with Aviation Cap | | | 28.8% | 32.4% | 38.7% | 39.3% |
| RES-H&C – Heating and Cooling | | | 39.1% | 44.2% | 51.9% | 52.8% |
| RES-E – Electricity Generation | | | 26.9% | 27.7% | 31.4% | 32.5% |
| RES-T – Transport | | | 0.9% | 4.4% | 22.0% | 22.0% |
| Gases Emissions (Mio ton CO₂) | | | | | | |
| CO ₂ Emissions* | 59.15 | 58.19 | 58.41 | 65.73 | 49.73 | 46.40 |
| GHGs Emissions* | 72.71 | 71.08 | 70.88 | 77.32 | 61.06 | 57.54 |
| Main Emissions Indicators | | | | | | |
| CO ₂ per Capita (kg CO ₂ /cap) | 11601.0 | 11253.0 | 11153.5 | 12282.6 | 9122.8 | 8479.3 |
| Carbon Intensity (kg CO ₂ /toe) | 1992.0 | 1759.5 | 1668.7 | 1761.5 | 1426.4 | 1387.1 |
| CO ₂ GDP Intensity (ton CO ₂ /M€'10) | 479.3 | 368.1 | 325.1 | 351.3 | 266.6 | 248.0 |

* Total emissions without LULUCF, with ind. CO₂, including international aviation, excl. international maritime transport.

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

5.27 Sweden

| Mtoe, unless otherwise stated | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Production | 31.38 | 30.05 | 34.26 | 32.76 | 34.31 | 33.81 |
| Solid Fuels | 0.22 | 0.16 | 0.21 | 0.24 | 0.13 | 0.11 |
| of which Hard Coal | | | | | | |
| Petroleum and Products | 0.00 | 0.00 | 0.03 | 0.07 | 0.13 | 0.16 |
| of which Crude and NGL | 0.00 | | | | | |
| Gases | 0.04 | 0.04 | 0.04 | 0.02 | 0.01 | 0.01 |
| of which Natural Gas | | | | | | |
| Nuclear | 18.04 | 14.79 | 18.67 | 14.92 | 16.74 | 14.54 |
| Renewables | 12.84 | 14.74 | 14.83 | 17.00 | 16.71 | 18.37 |
| Wastes, Non-Renewable | 0.24 | 0.32 | 0.48 | 0.52 | 0.59 | 0.62 |
| Net Imports | 20.43 | 20.44 | 19.46 | 19.29 | 15.99 | 14.24 |
| Solid Fuels | 2.75 | 2.41 | 2.56 | 2.55 | 1.99 | 1.95 |
| of which Hard Coal | 2.37 | 2.14 | 2.22 | 2.29 | 1.91 | 1.92 |
| Petroleum and Products | 17.07 | 16.85 | 16.70 | 15.10 | 13.94 | 12.68 |
| of which Crude and NGL | 19.22 | 21.97 | 19.49 | 19.62 | 18.61 | 19.95 |
| Gases | 0.76 | 0.78 | 0.84 | 1.47 | 0.79 | 0.72 |
| of which Natural Gas | 0.76 | 0.78 | 0.84 | 1.47 | 0.79 | 0.72 |
| Renewables | | | | | 0.61 | 0.83 |
| Electricity | -0.14 | 0.40 | -0.64 | 0.18 | -1.34 | -1.94 |
| Gross Inland Consumption | 51.47 | 48.90 | 50.99 | 50.78 | 48.21 | 45.47 |
| Solid Fuels | 2.88 | 2.45 | 2.63 | 2.49 | 2.10 | 2.12 |
| of which Hard Coal | 2.33 | 1.98 | 2.12 | 1.99 | 1.84 | 1.93 |
| Petroleum and Products | 16.82 | 15.38 | 14.14 | 14.20 | 12.00 | 10.22 |
| of which Crude and NGL | 19.36 | 21.83 | 19.40 | 19.81 | 18.71 | 19.82 |
| Gases | 0.80 | 0.82 | 0.89 | 1.48 | 0.80 | 0.73 |
| of which Natural Gas | 0.76 | 0.78 | 0.84 | 1.47 | 0.79 | 0.72 |
| Nuclear | 18.04 | 14.79 | 18.67 | 14.92 | 16.74 | 14.54 |
| Renewables | 12.84 | 14.74 | 14.83 | 17.00 | 17.32 | 19.19 |
| Electricity | -0.15 | 0.40 | -0.64 | 0.18 | -1.34 | -1.94 |
| Wastes, Non-Renewable | 0.24 | 0.32 | 0.48 | 0.52 | 0.59 | 0.62 |
| Primary Energy Consumption | 49.48 | 47.17 | 48.70 | 48.67 | 46.24 | 43.70 |
| Available for Final Consumption | 36.67 | 36.21 | 35.23 | 36.90 | 33.83 | 32.66 |
| Final Non-Energy Consumption | 1.99 | 1.73 | 2.29 | 2.11 | 1.97 | 1.77 |
| Final Energy Consumption | 35.05 | 34.97 | 33.66 | 34.08 | 31.19 | 31.76 |
| by Fuel/Product | | | | | | |
| Solid Fuels | 1.19 | 1.11 | 1.35 | 1.20 | 1.03 | 1.04 |
| Petroleum and Products | 13.93 | 13.27 | 11.42 | 10.04 | 8.65 | 8.52 |
| Gases | 0.61 | 0.67 | 0.76 | 0.73 | 0.72 | 0.75 |
| Biomass and Renewable Wastes | 5.07 | 5.29 | 4.71 | 5.67 | 6.10 | 6.52 |
| Solar | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| Geothermal | | | | | | |
| Electricity | 10.71 | 11.07 | 11.24 | 11.28 | 10.51 | 10.74 |
| Derived heat | 3.54 | 3.55 | 4.17 | 5.14 | 4.17 | 4.19 |
| Wastes, Non-Renewable | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| by Sector | | | | | | |
| Industry | 13.82 | 14.27 | 12.63 | 12.21 | 11.24 | 11.53 |
| Transport | 7.79 | 8.19 | 8.61 | 8.60 | 8.52 | 8.67 |
| Residential | 7.74 | 7.30 | 7.31 | 8.04 | 7.02 | 7.20 |
| Services | 4.86 | 4.41 | 4.30 | 4.55 | 4.03 | 4.00 |
| Agriculture and Fishing | 0.84 | 0.76 | 0.80 | 0.68 | 0.38 | 0.37 |
| Other | 0.01 | 0.05 | 0.02 | 0.01 | | |

| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|
| Installed Capacity (GW) | 33.63 | 33.72 | 33.39 | 36.45 | 38.74 | 39.71 |
| Combustible Fuels | 7.35 | 7.53 | 7.08 | 8.72 | 8.08 | 7.75 |
| Nuclear | 10.06 | 9.46 | 9.47 | 8.98 | 9.51 | 9.69 |
| Hydro | 16.15 | 16.53 | 16.35 | 16.73 | 16.00 | 16.33 |
| Wind | 0.07 | 0.21 | 0.49 | 2.02 | 5.10 | 5.84 |
| Solar PV | 0.00 | 0.00 | 0.00 | 0.01 | 0.06 | 0.10 |
| Geothermal | | | | | | |
| Tide, Wave and Ocean | | | | | | |
| Other Sources | | | | | | |
| Gross Electricity Generation (TWh) | 148.35 | 145.27 | 158.44 | 148.56 | 153.66 | 162.06 |
| Solid Fuels | 2.45 | 1.71 | 1.17 | 1.77 | 0.59 | 0.57 |
| Petroleum and Products | 3.95 | 1.53 | 1.38 | 1.77 | 0.30 | 0.25 |
| Gases | 1.34 | 1.29 | 1.34 | 3.78 | 0.93 | 1.12 |
| Nuclear | 69.94 | 57.32 | 72.38 | 57.83 | 64.88 | 56.35 |
| Renewables | 70.61 | 83.18 | 81.30 | 82.20 | 85.85 | 102.57 |
| Wastes, non-RES | 0.07 | 0.24 | 0.87 | 1.21 | 1.13 | 1.20 |
| Cogeneration Heat and Power | | | | | | |
| CHP Electrical Capacity (GW) | | | 3.49 | 5.10 | 5.01 | 4.9 |
| CHP Electricity Generation (TWh) | | | 10.67 | 18.53 | 12.12 | 13.7 |
| CHP in Total Electricity Generation (%) | | | 6.7% | 12.5% | 7.9% | 8.4% |
| CHP Heat Production (PJ) | | | 132.73 | 187.20 | 145.10 | 151.3 |
| Transport Fuels (ktoe) | | | | | | |
| Final Consumption Petroleum Products | 7550.3 | 7907.2 | 8216.7 | 7958.7 | 7377.1 | 7308.1 |
| Motor Gasoline | 4558.8 | 4265.0 | 4141.7 | 3320.2 | 2850.5 | 2568.4 |
| Gas/Diesel Oil | 2099.5 | 2671.3 | 3153.9 | 3652.9 | 3668.2 | 3847.6 |
| Final Consumption Biofuels | | | 134.4 | 376.3 | 788.3 | 1005.0 |
| Biogasoline | | | 127.4 | 202.3 | 165.1 | 133.1 |
| Biodiesel | | | 7.0 | 174.0 | 623.2 | 871.9 |
| Main Energy Indicators | | | | | | |
| Energy Intensity (toe/M€'10) | 204.7 | 163.2 | 149.5 | 137.6 | 122.8 | 111.3 |
| Energy per Capita (kgoe/cap) | 5837.9 | 5518.1 | 5658.7 | 5436.8 | 4998.4 | 4665.2 |
| Final Electricity per Capita (KWh/cap) | 14128.9 | 14526.4 | 14503.6 | 14047.9 | 12669.0 | 12809.5 |
| Primary Energy Intensity (toe/M€'10) | 196.8 | 157.4 | 142.7 | 131.9 | 117.8 | 107.0 |
| Import Dependency (%) | 38.9% | 40.7% | 36.8% | 36.6% | 32.0% | 30.1% |
| of Solid Fuels | 95.4% | 98.3% | 97.2% | 102.2% | 94.7% | 92.3% |
| of Hard Coal | 101.6% | 107.7% | 104.3% | 115.2% | 103.9% | 99.5% |
| of Petroleum Fuels | 95.6% | 100.8% | 104.0% | 93.6% | 101.7% | 105.4% |
| of Crude and NGL | 99.3% | 100.6% | 100.4% | 99.0% | 99.4% | 100.7% |
| of Natural Gas | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Renewables in Gross Final Energy (%) | | | | | | |
| Overall RES with Aviation Cap | | | 40.6% | 47.2% | 52.5% | 53.9% |
| RES-H&C – Heating and Cooling | | | 51.9% | 60.9% | 68.0% | 68.6% |
| RES-E – Electricity Generation | | | 50.9% | 56.0% | 63.2% | 65.8% |
| RES-T – Transport | | | 6.2% | 9.2% | 21.1% | 24.0% |
| Gases Emissions (Mio ton CO₂) | | | | | | |
| CO ₂ Emissions* | 60.73 | 56.65 | 55.88 | 55.13 | 45.52 | 45.51 |
| GHGs Emissions* | 75.23 | 70.65 | 68.81 | 66.69 | 56.13 | 55.89 |
| Main Emissions Indicators | | | | | | |
| CO ₂ per Capita (kg CO ₂ /cap) | 6888.3 | 6393.3 | 6201.1 | 5902.1 | 4719.7 | 4669.0 |
| Carbon Intensity (kg CO ₂ /toe) | 1156.6 | 1127.6 | 1056.1 | 1045.6 | 912.0 | 962.4 |
| CO ₂ GDP Intensity (ton CO ₂ /M€'10) | 241.6 | 189.1 | 163.8 | 149.4 | 116.0 | 111.4 |

* Total emissions without LULUCF, with ind. CO₂, including international aviation, excl. international maritime transport.

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

5.28 United Kingdom

| Mtoe, unless otherwise stated | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|
| Production | 256.46 | 268.55 | 204.60 | 148.77 | 108.16 | 118.27 |
| Solid Fuels | 32.07 | 18.66 | 12.07 | 10.84 | 6.92 | 5.12 |
| of which Hard Coal | 32.07 | 18.66 | 12.07 | 10.84 | 6.92 | 5.12 |
| Petroleum and Products | 135.72 | 127.94 | 87.94 | 64.26 | 40.92 | 46.48 |
| of which Crude and NGL | 134.40 | 127.81 | 87.62 | 64.26 | 40.89 | 46.48 |
| Gases | 63.72 | 97.55 | 79.40 | 51.47 | 33.15 | 35.66 |
| of which Natural Gas | 63.72 | 97.55 | 79.40 | 51.47 | 33.15 | 35.66 |
| Nuclear | 22.95 | 21.94 | 21.05 | 16.03 | 16.44 | 18.15 |
| Renewables | 1.84 | 2.26 | 3.49 | 5.71 | 9.86 | 11.84 |
| Wastes, Non-Renewable | 0.16 | 0.19 | 0.66 | 0.47 | 0.86 | 1.04 |
| Net Imports | -36.83 | -39.22 | 31.61 | 60.74 | 87.58 | 72.19 |
| Solid Fuels | 10.48 | 14.45 | 27.24 | 16.06 | 26.46 | 15.57 |
| of which Hard Coal | 10.26 | 14.43 | 26.71 | 16.33 | 25.90 | 14.88 |
| Petroleum and Products | -49.35 | -45.58 | -2.74 | 10.68 | 29.83 | 26.33 |
| of which Crude and NGL | -43.68 | -41.82 | -0.19 | 9.39 | 19.52 | 13.78 |
| Gases | 0.64 | -9.31 | 5.97 | 32.20 | 26.99 | 25.60 |
| of which Natural Gas | 0.64 | -9.31 | 5.97 | 32.20 | 26.99 | 25.60 |
| Renewables | | | 0.42 | 1.57 | 2.54 | 2.89 |
| Electricity | 1.40 | 1.22 | 0.72 | 0.23 | 1.77 | 1.80 |
| Gross Inland Consumption | 222.25 | 230.56 | 234.17 | 212.95 | 189.71 | 190.75 |
| Solid Fuels | 47.18 | 36.52 | 37.91 | 30.92 | 30.25 | 23.80 |
| of which Hard Coal | 47.09 | 36.60 | 37.48 | 31.33 | 29.83 | 23.07 |
| Petroleum and Products | 83.61 | 81.03 | 84.46 | 72.98 | 67.96 | 69.94 |
| of which Crude and NGL | 91.60 | 87.15 | 87.23 | 73.86 | 60.21 | 60.26 |
| Gases | 65.12 | 87.40 | 85.47 | 85.05 | 60.07 | 61.28 |
| of which Natural Gas | 65.12 | 87.40 | 85.47 | 85.05 | 60.07 | 61.28 |
| Nuclear | 22.95 | 21.94 | 21.05 | 16.03 | 16.44 | 18.15 |
| Renewables | 1.84 | 2.26 | 3.91 | 7.28 | 12.36 | 14.74 |
| Electricity | 1.40 | 1.22 | 0.72 | 0.23 | 1.76 | 1.80 |
| Wastes, Non-Renewable | 0.16 | 0.19 | 0.66 | 0.47 | 0.86 | 1.04 |
| Primary Energy Consumption | 209.76 | 219.23 | 222.81 | 205.04 | 183.05 | 183.04 |
| Available for Final Consumption | 157.11 | 163.83 | 164.16 | 151.59 | 136.74 | 139.19 |
| Final Non-Energy Consumption | 12.49 | 11.33 | 11.37 | 7.91 | 6.66 | 7.71 |
| Final Energy Consumption | 142.65 | 153.24 | 152.76 | 143.22 | 129.62 | 131.37 |
| by Fuel/Product | | | | | | |
| Solid Fuels | 8.22 | 5.95 | 4.57 | 4.08 | 4.80 | 4.28 |
| Petroleum and Products | 61.02 | 63.67 | 65.85 | 59.53 | 57.23 | 58.02 |
| Gases | 47.14 | 52.18 | 50.38 | 47.17 | 36.69 | 37.97 |
| Biomass and Renewable Wastes | 0.86 | 0.57 | 0.55 | 2.77 | 3.49 | 3.72 |
| Solar | 0.01 | 0.01 | 0.03 | 0.04 | 0.05 | 0.05 |
| Geothermal | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Electricity | 25.34 | 28.36 | 30.00 | 28.29 | 26.06 | 26.04 |
| Derived heat | 0.00 | 2.44 | 1.27 | 1.27 | 1.16 | 1.15 |
| Wastes, Non-Renewable | 0.06 | 0.05 | 0.12 | 0.09 | 0.14 | 0.14 |
| by Sector | | | | | | |
| Industry | 34.87 | 36.93 | 33.33 | 26.78 | 25.11 | 24.73 |
| Transport | 47.67 | 52.90 | 55.49 | 51.49 | 51.13 | 51.77 |
| Residential | 39.34 | 43.03 | 44.24 | 45.47 | 35.29 | 36.48 |
| Services | 16.32 | 16.86 | 16.75 | 17.48 | 16.07 | 16.28 |
| Agriculture and Fishing | 1.27 | 1.15 | 0.94 | 0.92 | 0.94 | 1.02 |
| Other | 3.18 | 2.37 | 2.01 | 1.09 | 1.09 | 1.09 |

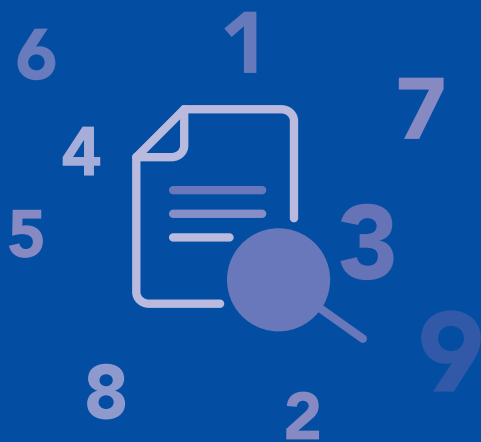
| | 1995 | 2000 | 2005 | 2010 | 2014 | 2015 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|
| Installed Capacity (GW) | 70.13 | 78.39 | 82.38 | 93.75 | 94.71 | 95.21 |
| Combustible Fuels | 52.94 | 61.22 | 64.66 | 73.00 | 61.84 | 57.74 |
| Nuclear | 12.76 | 12.49 | 11.85 | 10.87 | 9.94 | 9.49 |
| Hydro | 4.22 | 4.27 | 4.29 | 4.39 | 4.47 | 4.50 |
| Wind | 0.20 | 0.41 | 1.57 | 5.40 | 13.04 | 14.29 |
| Solar PV | | 0.00 | 0.01 | 0.10 | 5.42 | 9.19 |
| Geothermal | | | | | | |
| Tide, Wave and Ocean | | 0.00 | | 0.00 | 0.00 | 0.00 |
| Other Sources | | | | | | |
| Gross Electricity Generation (TWh) | 334.04 | 377.07 | 398.36 | 381.77 | 338.18 | 339.10 |
| Solid Fuels | 153.84 | 119.95 | 134.64 | 107.69 | 100.23 | 75.63 |
| Petroleum and Products | 17.30 | 8.45 | 5.34 | 4.95 | 1.90 | 2.13 |
| Gases | 65.10 | 150.43 | 154.34 | 176.44 | 102.30 | 101.12 |
| Nuclear | 88.96 | 85.06 | 81.62 | 62.14 | 63.75 | 70.35 |
| Renewables | 8.42 | 12.66 | 19.87 | 28.97 | 67.47 | 86.29 |
| Wastes, non-RES | 0.41 | 0.52 | 2.56 | 1.59 | 2.53 | 3.58 |
| Cogeneration Heat and Power | | | | | | |
| CHP Electrical Capacity (GW) | | | 5.44 | 6.10 | 6.32 | 5.9 |
| CHP Electricity Generation (TWh) | | | 27.24 | 23.64 | 20.32 | 19.4 |
| CHP in Total Electricity Generation (%) | | | 6.8% | 6.2% | 6.0% | 5.7% |
| CHP Heat Production (PJ) | | | 185.24 | 155.52 | 143.25 | 124.2 |
| Transport Fuels (ktoe) | | | | | | |
| Final Consumption Petroleum Products | 46974.7 | 52154.0 | 55071.6 | 49963.4 | 49569.3 | 50439.3 |
| Motor Gasoline | 23542.8 | 23167.4 | 19975.2 | 15598.0 | 13185.1 | 12926.1 |
| Gas/Diesel Oil | 15321.6 | 17754.1 | 21497.1 | 22482.8 | 24490.6 | 25478.2 |
| Final Consumption Biofuels | | | 68.5 | 1150.7 | 1168.1 | 932.8 |
| Biogasoline | | | 42.7 | 321.0 | 413.9 | 404.3 |
| Biodiesel | | | 25.8 | 829.7 | 754.2 | 528.5 |
| Main Energy Indicators | | | | | | |
| Energy Intensity (toe/M€'10) | 165.9 | 147.2 | 130.1 | 116.2 | 95.8 | 94.3 |
| Energy per Capita (kgoe/cap) | 3835.6 | 3922.1 | 3891.1 | 3406.6 | 2948.0 | 2940.2 |
| Final Electricity per Capita (KWh/cap) | 5086.4 | 5610.7 | 5797.0 | 5262.5 | 4708.8 | 4668.2 |
| Primary Energy Intensity (toe/M€'10) | 156.6 | 140.0 | 123.8 | 111.9 | 92.4 | 90.5 |
| Import Dependency (%) | -16.4% | -16.9% | 13.4% | 28.2% | 45.5% | 37.4% |
| of Solid Fuels | 22.2% | 39.6% | 71.9% | 51.9% | 87.5% | 65.4% |
| of Hard Coal | 21.8% | 39.4% | 71.3% | 52.1% | 86.8% | 64.5% |
| of Petroleum Fuels | -57.4% | -54.9% | -3.2% | 14.1% | 42.1% | 36.4% |
| of Crude and NGL | -47.7% | -48.0% | -0.2% | 12.7% | 32.4% | 22.9% |
| of Natural Gas | 1.0% | -10.7% | 7.0% | 37.9% | 44.9% | 41.8% |
| Renewables in Gross Final Energy (%) | | | | | | |
| Overall RES with Aviation Cap | | | 1.3% | 3.7% | 7.1% | 8.2% |
| RES-H&C – Heating and Cooling | | | 0.8% | 2.7% | 4.7% | 5.5% |
| RES-E – Electricity Generation | | | 4.1% | 7.4% | 17.9% | 22.4% |
| RES-T – Transport | | | 0.5% | 3.3% | 5.3% | 4.4% |
| Gases Emissions (Mio ton CO₂) | | | | | | |
| CO ₂ Emissions* | 577.04 | 587.68 | 595.53 | 536.16 | 463.22 | 446.21 |
| GHGs Emissions* | 765.80 | 739.77 | 724.50 | 643.93 | 555.85 | 536.90 |
| Main Emissions Indicators | | | | | | |
| CO ₂ per Capita (kg CO ₂ /cap) | 9958.6 | 9997.1 | 9895.6 | 8577.1 | 7198.3 | 6877.9 |
| Carbon Intensity (kg CO ₂ /toe) | 2568.2 | 2526.3 | 2521.4 | 2485.8 | 2406.1 | 2309.9 |
| CO ₂ GDP Intensity (ton CO ₂ /M€'10) | 430.8 | 375.2 | 330.9 | 292.5 | 233.9 | 220.5 |

* Total emissions without LULUCF, with ind. CO₂, including international aviation, excl. international maritime transport.

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



Appendices



Summary

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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 – Residential, 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 |

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 |

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 |

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 |

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 | Dieselmotorenkraftstoffe und Destillattheizöle |
| 3270A | Rückstandsheizöle |
| 4000 | Gas |
| 4100 | Naturgas |
| 4200 | Abgeleitete Gase |
| 4100 | Kernenergie |
| 5200 | Abgeleitete Wärme |
| 5500 | Erneuerbare Energien |
| 5510 | Wasserkraftenergie |
| 5520 | Windenergie |
| 5530 | Sonnenenergie |
| 5535 | Gezeiten-/Wellen-/Meeresenergie |
| 5540 | Biomasse und Abfälle |
| 5541 | Holz und Holzabfälle |
| 5542 | Biogas |
| 55431 | Hausmüll Erneuerbare |
| 5545 | Biotreibstoff |
| 5546 | Biobenzin |
| 5547 | Biodiesel |
| 5550 | Geothermische Energie |
| 6000 | Elektrizität |
| 7100 | Industrieabfälle |

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 carburateurs |
| 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 |

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 |
| ME '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

| | | TO: | | | |
|-------|--------------------------------------|-------------------------|-----------------|------------------------|------------------------|
| | | TJ | Gcal | Mtoe | GWh |
| | | Multiply by | | | |
| FROM: | 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

| | | TO: | | | |
|-------|--------------------|-------------|-------------------------|--------|---------|
| | | l | bb1 | gal US | gal UK |
| | | Multiply by | | | |
| FROM: | Litre (l) | 1 | 0.6290×10^{-2} | 0.2642 | 0.2200 |
| | Barrel (bb1) | 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

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

Appendix Glossary

Appendix 12 – Glossary

In parenthesis EUROSTAT Energy database/EUROBASE, (Energy section) codes for products (p:) and indicators (B_), as of May 2017.

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

CARBON GDP INTENSITY

This represents the average emission rate of CO₂ emissions of an economy relative to its GDP.

CHP – COMBINED HEAT AND POWER

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

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

CO₂ ENERGY INTENSITY

Vide Carbon Energy Intensity.

CONVENTIONAL THERMAL POWER

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: $\text{net imports (B_100300 - B_100500)} / (\text{gross inland consumption (B_100900) + bunkers (B_100800)})$.

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 fluoro-carbons, 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 residential 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 1000 times the previous term. Thus, billion means a thousand millions, trillion means a thousand billions.

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

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

NACE

NACE is the acronym used to designate the various statistical classifications of economic activities developed since 1970 in the European Union. It provides the framework for collecting and presenting a large range of statistical data according to economic activity in the fields of economic statistics (e.g. production, employment, national accounts) and in other statistical domains.

NET CALORIFIC VALUE (NCV)

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

NET IMPORTS

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

NET ELECTRICITY GENERATION

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, feed-stock, 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

CO₂ Intensity refers to CO₂ 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 CO₂ relative to the total intensity of the economic activity, measured by its GDP.

APPENDIX 13.5

For products see appendices 5-7 and glossary appendix 12. For indicators see appendices 2-4 and glossary appendix 12. For units see appendices 8-11.

Notes

A series of horizontal dotted lines for taking notes.

The table area is represented by a series of horizontal dotted lines, suggesting a large dataset with many rows. The lines are evenly spaced and extend across the width of the page.

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