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Accompanying the document

REPORT FROM THE COMMISSION TO THE EUROPEAN PARLIAMENT AND THE COUNCIL

Assessment of the progress made by Member States towards the national energy efficiency targets for 2020 and towards the implementation of the Energy Efficiency Directive 2012/27/EU as required by Article 24 (3) of Energy Efficiency Directive 2012/27/EU

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EE) Primary and final energy consumption vs GDP

EE) Final energy intensity (FEC / GDP)

EE) Industry: final energy intensity (FEC / value added)

EE) Industry: final energy breakdown

EE) Transport: final energy consumption vs tonne-kilometers

EE) Transport: final energy breakdown
9. Finland

FI) Primary and final energy consumption vs GDP

FI) Final intensity (FEC / GDP)

FI) Industry: final energy breakdown

FI) Transport: final energy consumption vs passenger-kilometers and tonne-kilometers

FI) Transport: final energy breakdown
10. France

FR) Primary and final energy consumption vs GDP

FR) Final energy intensity (FEC / GDP)

FR) Industry: final energy breakdown

FR) Transport: final energy consumption vs tonne-kilometers

FR) Transport: final energy breakdown
11. Germany

DE) Primary and final energy consumption vs GDP

DE) Final energy intensity (FEC / GDP)

DE) Industry: final energy breakdown

DE) Transport: final energy consumption vs tonne-kilometers

DE) Transport: final energy breakdown
DE) Residential: final energy consumption, HDD normalized vs disposable income of households

- National final energy, HDD normalized (2005 = 100%)
- National disposable income of households (2005 = 100%)
- EU28 final energy, HDD normalized (2005 = 100%)
- EU28 disposable income of households (2005 = 100%)

DE) Residential: final energy consumption per capita, HDD normalized

- National final energy per capita, HDD normalized
- EU28 final energy per capita, HDD normalized

DE) Services: final energy intensity (FEC / value added), HDD normalized

- National final energy intensity, HDD normalized (2005 = 100%)
- EU28 final energy intensity, HDD normalized (2005 = 100%)

DE) Services: final energy consumption per capita, HDD normalized

- National final energy per capita, HDD normalized
- EU28 final energy per capita, HDD normalized

DE) Energy generation from thermal power and CHP

- Electricity from thermal power (CHP included)
- Electricity from CHP
- Heat from thermal power (CHP included)
- Heat from CHP
- Input to thermal power (CHP included)

DE) Electricity generation breakdown

- Nuclear power stations (CHP excluded)
- Autoproducer conventional thermal power stations (CHP excluded)
- Main activity conventional thermal power stations (CHP excluded)
- Autoproducer CHP
- Main activity CHP
12. Greece
13. Hungary

**HU) Primary and final energy consumption vs GDP**

**HU) Final energy intensity (FEC / GDP)**

**HU) Industry: final energy breakdown**

**HU) Transport: final energy consumption vs tonnekilometers**

**HU) Transport: final energy breakdown**
14. **Ireland**

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### Primary and Final Energy Consumption vs GDP

- **GDP**: 2005 chain-linked volumes + ECFIN forecast
- **Final energy consumption**
- **Primary energy consumption**
- **Primary energy linear target path 2005-2020**
- **Final energy 2020 target**

### Final Energy Intensity (FEC / GDP)

- **National final energy intensity**
- **EU28 final energy intensity**

### Industry: Final Energy Intensity (FEC / Value Added)

- **National final energy intensity of industry**
- **EU28 final energy intensity of industry**

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### Industry: Final Energy Breakdown

- **Mining and quarrying**
- **Iron and steel**
- **Non-ferrous metals**
- **Non-metallic minerals**
- **Chemical and petrochemical**
- **Paper, pulp and print**
- **Food and tobacco**
- **Transport equipment**
- **Machinery**
- **Construction**

### Transport: Final Energy Consumption vs Tonne-Kilometers

- **National final energy of transport (pipeline transport excl.) (2005 = 100%)**
- **National tonne-kilometers by road, rail and waterway (2005 = 100%)**
- **EU28 final energy of transport (pipeline transport excl.) (2005 = 100%)**

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### Energy vs GDP

- **GDP, 2005 chain-linked volumes + ECFIN forecast**
- **Final energy consumption**
- **Primary energy consumption**
- **Final energy linear target path 2005-2020**
- **Primary energy linear target path 2005-2020**

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### Final Energy Intensity (FEC / GDP) vs GDP

- **National final energy intensity**
- **EU28 final energy intensity**

### Transport: Final Energy Breakdown

- **Road**
- **Rail**
- **Domestic aviation**
- **International aviation**
- **Domestic navigation**
- **Non-specified**
15. Italy

**IT) Primary and final energy consumption vs GDP**

- GDP: 2005 chain-linked volumes + ECFIN forecast
- Final energy consumption
- Primary energy linear target path 2005-2020
- Primary energy 2020 target

**IT) Final energy intensity (FEC / GDP)**

- National final energy intensity
- EU28 final energy intensity

**IT) Industry: final energy breakdown**

- Mining and quarrying
- Iron and steel
- Non-ferrous metals
- Non-metallic minerals
- Chemical and petrochemical
- Paper, pulp and print
- Textile and leather
- Wood and wood products
- Food and tobacco
- Transport equipment
- Machinery
- Construction
- Non-specified

**IT) Transport: final energy consumption vs tonne-kilometers**

- National final energy of transport (pipeline transport excl.) (2005 = 100%)
- National tonne-kilometers by road, rail and waterway (2005 = 100%)
- EU28 final energy of transport (pipeline transport excl.) (2005 = 100%)

**IT) Final energy intensity (FEC / value added)**

- National final energy intensity of industry
- EU28 final energy intensity of industry
16. Latvia

LV) Primary and final energy consumption vs GDP

LV) Final energy intensity (FEC / GDP)

LV) Industry: final energy intensity (FEC / value added)

LV) Industry: final energy breakdown

LV) Transport: final energy consumption vs passenger-kilometers and tonne-kilometers

LV) Transport: final energy breakdown
17. Lithuania
LT) Residential: final energy consumption, HDD normalized vs disposable income of households

- National final energy, HDD normalized (2005 = 100%)
- National disposable income of households (2005 = 100%)
- EU28 final energy, HDD normalized (2005 = 100%)
- EU28 disposable income of households (2005 = 100%)

LT) Residential: final energy consumption per capita, HDD normalized

- National final energy per capita, HDD normalized
- EU28 final energy per capita, HDD normalized

LT) Services: final energy intensity (FEC / value added), HDD normalized

- National final energy intensity, HDD normalized (2005 = 100%)
- EU28 final energy intensity, HDD normalized (2005 = 100%)

LT) Services: final energy consumption per capita, HDD normalized

- National final energy per capita, HDD normalized
- EU28 final energy per capita, HDD normalized

LT) Energy generation from thermal power and CHP

- Electricity from thermal power (CHP included)
- Electricity from CHP
- Heat from thermal power (CHP included)
- Heat from CHP
- Input to thermal power (CHP included)

LT) Electricity generation breakdown

- Nuclear power stations (CHP excluded)
- Autoproducer conventional thermal power stations (CHP excluded)
- Main activity conventional thermal power stations (CHP excluded)
- Autoproducer CHP
- Main activity CHP
19. Malta

MT) Primary and final energy consumption vs GDP

MT) Final energy intensity (FEC / GDP)

MT) Industry: final energy breakdown

MT) Transport: final energy consumption

MT) Transport: final energy breakdown

MT) Final energy intensity (FEC / GDP)

National final energy intensity
EU28 final energy intensity

MT) Industry: final energy breakdown

MT) Transport: final energy consumption

MT) Transport: final energy breakdown

MT) Primary and final energy consumption vs GDP

MT) Final energy intensity (FEC / GDP)

National final energy intensity
EU28 final energy intensity

MT) Industry: final energy breakdown

MT) Transport: final energy consumption

MT) Transport: final energy breakdown

MT) Final energy intensity (FEC / GDP)

National final energy intensity
EU28 final energy intensity

MT) Industry: final energy breakdown

MT) Transport: final energy consumption

MT) Transport: final energy breakdown
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NL) Residential: final energy consumption, HDD normalized vs disposable income of households

NL) Residential: final energy consumption per capita, HDD normalized

NL) Services: final energy intensity (FEC / value added), HDD normalized

NL) Services: final energy consumption per capita, HDD normalized

NL) Energy generation from thermal power and CHP

NL) Electricity generation breakdown

- National final energy, HDD normalized (2005 = 100%)
- National disposable income of households (2005 = 100%)
- EU28 final energy, HDD normalized (2005 = 100%)
- EU28 disposable income of households (2005 = 100%)

- NL) Energy generation from thermal power and CHP
- Nuclear power stations (CHP excluded)
- Autoproducer conventional thermal power stations (CHP excluded)
- Main activity conventional thermal power stations (CHP excluded)
- Autoproducer CHP
- Main activity CHP
21. Poland

PL) Primary and final energy consumption vs GDP

PL) Final energy intensity (FEC / GDP)

PL) Industry: final energy breakdown

PL) Transport: final energy consumption vs passenger-kilometers and tonne-kilometers

PL) Transport: final energy breakdown
22. Portugal

**PT) Primary and final energy consumption vs GDP**

- GDP, 2005 chain-linked volumes + ECFIN forecast
- Primary energy consumption
- Primary energy linear target path 2005-2020
- Primary energy 2020 target

**PT) Final energy intensity (FEC / GDP)**

- National final energy intensity
- EU28 final energy intensity

**PT) Industry: final energy intensity (FEC / value added)**

- National final energy intensity of industry
- EU28 final energy intensity of industry

**PT) Industry: final energy breakdown**

- Mining and quarrying
- Iron and steel
- Non-ferrous metals
- Non-metallic minerals
- Chemical and petrochemical
- Paper, pulp and print
- Textile and leather
- Wood and wood products
- Food and tobacco
- Transport equipment
- Machinery
- Construction
- Non-specified

**PT) Transport: final energy consumption vs tonne-kilometers**

- National final energy of transport (pipeline transport excl.) (2005 = 100%)
- National tonne-kilometers by road, rail and waterway (2005 = 100%)
- EU28 final energy of transport (pipeline transport excl.) (2005 = 100%)

**PT) Transport: final energy breakdown**

- Road
- Rail
- Domestic aviation
- International aviation
- Domestic navigation
- Non-specified
23. Romania
**RO) Residential: final energy consumption, HDD normalized vs disposable income of households**

- National final energy, HDD normalized (2005 = 100%)
- National disposable income of households (2005 = 100%)
- EU28 final energy, HDD normalized (2005 = 100%)
- EU28 disposable income of households (2005 = 100%)

**RO) Residential: final energy consumption per capita, HDD normalized**

- National final energy per capita, HDD normalized
- EU28 final energy per capita, HDD normalized

**RO) Services: final energy intensity (FEC / value added), HDD normalized**

- National final energy intensity, HDD normalized (2005 = 100%)
- EU28 final energy intensity, HDD normalized (2005 = 100%)

**RO) Services: final energy consumption per capita, HDD normalized**

- National final energy per capita, HDD normalized
- EU28 final energy per capita, HDD normalized

**RO) Energy generation from thermal power and CHP**

- Electricity from thermal power (CHP included)
- Electricity from CHP
- Heat from thermal power (CHP included)
- Heat from CHP
- Input to thermal power (CHP included)

**RO) Electricity generation breakdown**

- Nuclear power stations (CHP excluded)
- Autoproducer conventional thermal power stations (CHP excluded)
- Main activity conventional thermal power stations (CHP excluded)
- Autoproducer CHP
- Main activity CHP
24. Slovakia

SK) Primary and final energy consumption vs GDP

SK) Final energy intensity (FEC / GDP)

SK) Industry: final energy intensity (FEC / value added)

SK) Industry: final energy breakdown

SK) Transport: final energy consumption vs passenger-kilometers and tonne-kilometers

SK) Transport: final energy breakdown
25. Slovenia
26. Spain

ES) Primary and final energy consumption vs GDP

ES) Final energy Intensity (FEC / GDP)

ES) Industry: final energy breakdown

ES) Transport: final energy consumption vs passenger-kilometers and tonne-kilometers

ES) Transport: final energy breakdown
UK) Residential: final energy consumption, HDD normalized vs disposable income of households

- National final energy, HDD normalized (2005 = 100%)
- National disposable income of households (2005 = 100%)
- EU28 final energy, HDD normalized (2005 = 100%)
- EU28 disposable income of households (2005 = 100%)

UK) Residential: final energy consumption per capita, HDD normalized

- National final energy per capita, HDD normalized
- EU28 final energy per capita, HDD normalized

UK) Services: final energy intensity (FEC / value added), HDD normalized

- National final energy intensity, HDD normalized (2005 = 100%)
- EU28 final energy intensity, HDD normalized (2005 = 100%)

UK) Services: final energy consumption per capita, HDD normalized

- National final energy per capita, HDD normalized
- EU28 final energy per capita, HDD normalized

UK) Energy generation from thermal power and CHP

- Electricity from thermal power (CHP included)
- Electricity from CHP
- Heat from thermal power (CHP included)
- Heat from CHP
- Input to thermal power (CHP included)

UK) Electricity generation breakdown

- Nuclear power stations (CHP excluded)
- Autoproducer conventional thermal power stations (CHP excluded)
- Main activity conventional thermal power stations (CHP excluded)
- Autoproducer CHP
- Main activity CHP