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PART 8/11

COMMISSION STAFF WORKING DOCUMENT
Accompanying the document


Energy prices and costs in Europe

{COM(2019) 1 final}
List of Country sheets

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<td>意大利</td>
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<td>拉脱维亚</td>
<td>LATVIA</td>
<td>Prices</td>
<td>Financial Support Interventions</td>
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This annex contains country energy prices and costs factsheets of the 28 EU Member States, Norway, Montenegro and Turkey. Where available, each factsheet displays information about the level of electricity, gas and oil prices in 2017 as well as about the main components of such prices, including a detailed breakdown of the taxes and levies charged to gas and electricity prices. Information about the presence of price regulation and social tariffs in each country are also included in the price section of the factsheet.

The factsheets also contain an account of the relative importance of energy costs in production costs for industry and services for the EU Member States over 2008-2016. Finally, financial support interventions to energy products across countries are also presented with a breakdown indicating the economic sectors and energy technologies that receive that support.

Details

The purpose of annex 3 is to provide an overview of gas and electricity prices and costs for each country analysed.

In the first page, electricity and gas prices in 2017 are shown at national level in comparison with their respective neighbour countries and the EU average. Electricity and Gas prices for Households are shown first, followed by electricity and gas prices for Industry. Then the evolution of electricity and gas prices from 2008 to 2017 is presented.

In the second page, the amount of the taxes and levies included in electricity and natural gas prices across consumption bands in 2017 are listed for each country analysed. The state of play of price regulation is then presented for EU Member States. Some have already liberalised prices before 2008 and not even social tariffs were identified. For some others, the factsheet shows the relative importance of price regulation and social tariffs for households for electricity and gas (shares of consumers/consumption under price regulation and social tariffs).

In the third page, oil prices (in €/litre) are presented, showing the evolution for gasoline, diesel and heating oil prices at national level from 2008 to the first half of 2018 and compared to the EU average. VAT and other indirect taxes affecting the country's total prices are also displayed. Subsequently, energy costs shares in total production value costs for industry and services from 2008 to 2016 are shown and compared to the EU average.

The last page of each factsheet (usually page 4) includes (where available) the country's financial support interventions to energy products from 2008 to 2016. First, it shows the financial support by energy technology (electricity, renewable energy sources, heating and cooling sector, fossil fuels and all other energies) and then by the economic sectors the received the support (households, non-households, public, transport, manufacturing, energy industry, agriculture and cross sectors).
Methodology

In order to understand the price codes used for the graphs in the country sheets, please refer to the table below. Each code corresponds to a specific product (electricity or natural gas), which is related to the household or industry sectors and to a level of annual consumption.

<table>
<thead>
<tr>
<th>Code</th>
<th>Product</th>
<th>Type</th>
<th>Annual consumption</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC</td>
<td>Electricity</td>
<td>Household</td>
<td>2.5 - 5 MWh</td>
<td>median</td>
</tr>
<tr>
<td>IB</td>
<td>Electricity</td>
<td>Industry</td>
<td>20-500 MWh</td>
<td>small</td>
</tr>
<tr>
<td>ID</td>
<td>Electricity</td>
<td>Industry</td>
<td>2000-20000 MWh</td>
<td>median</td>
</tr>
<tr>
<td>IF</td>
<td>Electricity</td>
<td>Industry</td>
<td>70000-150000 MWh</td>
<td>large</td>
</tr>
<tr>
<td>D2</td>
<td>Natural Gas</td>
<td>Household</td>
<td>20-200 GJ</td>
<td>median</td>
</tr>
<tr>
<td>I3</td>
<td>Natural Gas</td>
<td>Industry</td>
<td>10000-100000 GJ</td>
<td>median</td>
</tr>
<tr>
<td>I5</td>
<td>Natural Gas</td>
<td>Industry</td>
<td>1 mil - 4 mil GJ</td>
<td>large</td>
</tr>
</tbody>
</table>

The "Most representative" band for household consumers is defined as the consumption band accounting for the largest share in total household consumption. It is thus the band with the highest volume of electricity irrespectively of the number of consumers in the band. The most representative bands are shown for the Member States that requested so in the context of the data collection of prices undertaken by the EC for the purposes of this report. For the others only the 'DC band' is shown.

![Most representative bands by Member State](image)
Austria

Electricity prices for Households (DC) – AT vs EU

Gas prices for Households (D2) – AT vs EU

Electricity prices for Industry (ID) – AT vs EU

Gas prices for Industry (I3) – AT vs EU

Electricity prices in Austria

Natural gas prices in Austria

1 Neighbour countries and EU 28. No gas household prices available for Greece for 2017.
2 Annual electricity consumption: DB 1 - 2.5 MWh, DC 2.5 - 5 MWh, DD 5 - 15 MWh, DE above 15 MWh, IB 20-500 MWh, ID 2000-20000 MWh, IF 70000-150000 MWh. Annual Gas consumption: D2 20-200 GJ, I3 10000-100000 GJ, I5 1 mil - 4 mil GJ.
This country liberalised prices before 2008. No social tariffs identified.
Oil prices

Energy costs shares in total production costs

Share of energy costs in total production value in industry and services: AT vs. EU28

Source: ESTAT (ESBS; MA. Primes, own calculations)

Notes: Data for Malta (prior to 2016), Poland (prior to 2015), Slovenia (prior to 2012) and Greece (prior to 2008) is not available. Data for Denmark, Sweden and the United Kingdom for 2016 was missing by the time of extraction.
Financial support interventions

Financial support by energy/technology (billion euros)

Financial support by sector (billion euros)
Belgium

1 Neighbour countries and EU 28. No gas household prices available for Greece for 2017
2 Annual electricity consumption: DB 1 - 2.5 MWh, DC 2.5 - 5 MWh, DD 5 - 15 MWh, DE above 15 MWh, IB 20-500 MWh, ID 2000-20000 MWh, IF 70000-150000 MWh. Annual Gas consumption: D2 20-200 GJ, I3 10000-100000 GJ, I5 1 mil - 4 mil GJ.
Price regulation

2017 electricity prices in Belgium

2017 Natural gas prices in Belgium

Source: European Commission, DG Energy in-house data collection
Oil products prices

Energy costs shares in total production costs

Notes: Data for Malta (prior to 2016), Poland (prior to 2015), Slovenia (prior to 2012) and Greece (prior to 2008) is not available. Data for Denmark, Sweden and the United Kingdom for 2016 was missing by the time of extraction.
Financial support interventions

Financial support by energy/technology (billion euros)

Financial support by sector (billion euros)
Bulgaria

Electricity prices for Households (DC) – BG vs EU

Gas prices for Households (D2) – BG vs EU

Electricity prices for Industry (ID) – BG vs EU

Gas prices for Industry (I3) – BG vs EU

1 Neighbour countries and EU 28. No gas household prices available for Greece for 2017.
2 Annual electricity consumption: DB 1 - 2.5 MWh, DC 2.5 - 5 MWh, DD 5 - 15 MWh, DE above 15 MWh, IB 20-500 MWh, ID 2000-20000 MWh, IF 70000-150000 MWh. Annual Gas consumption: D2 20-200 GJ, I3 10000-100000 GJ, I5 1 mil - 4 mil GJ.
Price regulation was still existent in 2016.
Oil products prices

Energy costs shares in total production costs

Notes: Data for Malta (prior to 2016), Poland (prior to 2015), Slovenia (prior to 2012) and Greece (prior to 2008) is not available. Data for Denmark, Sweden and the United Kingdom for 2016 was missing by the time of extraction.
Financial support interventions

Financial support by energy/technology (billion euros)

Financial support by sector (billion euros)
Croatia

Electricity prices for Households (DC) – HR vs EU

Gas prices for Households (D2) – HR vs EU

Electricity prices for Industry (ID) – HR vs EU

Gas prices for Industry (I3) – HR vs EU

1 Neighbour countries and EU 28. No gas household prices available for Greece for 2017.
2 Annual electricity consumption: DB 1 - 2.5 MWh, DC 2.5 - 5 MWh, DD 5 - 15 MWh, DE above 15 MWh, IB 20-500 MWh, ID 2000-20000 MWh, IF 70000-150000 MWh. Annual Gas consumption: D2 20-200 GJ, I3 10000-100000 GJ, I5 1 mil - 4 mil GJ.
2017 electricity prices in Croatia

![Price regulation](chart)

Source: European Commission, DG Energy in-house data collection

2017 natural gas prices in Croatia

![Price regulation](chart)

Source: European Commission, DG Energy in-house data collection

Price regulation

![Price regulation](chart)

Volume of the consumption of consumers with regulated prices (TWh)
Share of consumers with regulated prices (%)
Share of the consumption of regulated consumers out of total consumption (%)
Regulation phased out if (if phased out between 2008-2016)
Oil product prices

Gasoline

Diesel

Heating oil

Notes: Data for Malta (prior to 2016), Poland (prior to 2015), Slovenia (prior to 2012) and Greece (prior to 2008) is not available. Data for Denmark, Sweden and the United Kingdom for 2016 was missing by the time of extraction.

Energy costs shares in total production costs

Share of energy costs in total production value in industry and services: HR vs. EU28

Source: ISTAT (KBS, WA), fixing, own calculations.

Notes: Data for Malta (prior to 2016), Poland (prior to 2015), Slovenia (prior to 2012) and Greece (prior to 2008) is not available. Data for Denmark, Sweden and the United Kingdom for 2016 was missing by the time of extraction.
Financial support interventions

Financial support by energy/technology (billion euros)

Financial support by sector (billion euros)
Cyprus

Electricity prices for Households (DC) – CY vs EU

Electricity prices for Industry (ID) - CY vs EU

Electricity prices in Cyprus

See footnote 1

1 Neighbour countries and EU 28. No gas household prices available for Greece for 2017.

2 Annual electricity consumption: DB 1 - 2.5 MWh, DC 2.5 - 5 MWh, DD 5 - 15 MWh, DE above 15 MWh, IB 20-500 MWh, ID 2000-20000 MWh, IF 70000-150000 MWh. Annual Gas consumption: D2 20-200 GJ, I3 10000-100000 GJ, I5 1 mil - 4 mil GJ.
2017 electricity prices in Cyprus

Source: European Commission, DG Energy in-house data

Price regulation

Volume of the consumption of consumers with regulated prices (TWh)
Share of consumers with regulated prices (%)
Oil products prices

Energy costs shares in total production costs

Notes: Data for Malta (prior to 2016), Poland (prior to 2015), Slovenia (prior to 2012) and Greece (prior to 2008) is not available. Data for Denmark, Sweden and the United Kingdom for 2016 was missing by the time of extraction.
Czech Republic

Electricity prices for Households (DC) – CZ vs EU

Gas prices for Households (D2) – CZ vs EU

Electricity prices for Industry (ID) – CZ vs EU

Gas prices for Industry (I3) – CZ vs EU

1 Neighbour countries and EU 28. No gas household prices available for Greece for 2017.
2 Annual electricity consumption: DB 1 - 2.5 MWh, DC 2.5 - 5 MWh, DD 5 - 15 MWh, DE above 15 MWh, ID 2000-20000 MWh, IF 70000-150000 MWh. Annual Gas consumption: D2 20-200 GJ, I3 10000-100000 GJ, I5 1 mil - 4 mil GJ.
This country liberalised prices before 2008.
No social tariffs identified.
Oil products prices

Energy costs shares in total production costs

Share of energy costs in total production value in industry and services: CZ vs. EU28

Source: ESTAT/SRS, NAI, Primec, own calculations

Notes: Data for Malta (prior to 2016), Poland (prior to 2015), Slovenia (prior to 2012) and Greece (prior to 2008) is not available. Data for Denmark, Sweden and the United Kingdom for 2016 was missing by the time of extraction.
Denmark

1 Neighbour countries and EU 28. No gas household prices available for Greece for 2017.

2 Annual electricity consumption: DB 1 - 2.5 MWh, DC 2.5 - 5 MWh, DD 5 - 15 MWh, DE above 15 MWh, ID 2000-20000 MWh, IF 70000-150000 MWh. Annual Gas consumption: D2 20-200 GJ, ID 10000-100000 GJ, I5 1 mil - 4 mil GJ.
Price regulation

Source: European Commission, DG Energy In-House data collection

Volume of the consumption of consumers with regulated prices (TWh)
Share of consumers with regulated prices (%)
Share of the consumption of regulated consumers out of total consumption (%)
Regulation phased out in (if phased out between 2008-2016)
Oil products prices

Energy costs shares in total production costs

Share of energy costs in total production value in industry and services: DK vs. EU28

Source: ESTAT (SES: MA), Primes, own calculations

Notes: Data for Malta (prior to 2016), Poland (prior to 2015), Slovenia (prior to 2012) and Greece (prior to 2008) is not available. Data for Denmark, Sweden and the United Kingdom for 2016 was missing by the time of extraction
Estonia

1 Neighbour countries and EU 28. No gas household prices available for Greece for 2017.
2 Annual electricity consumption: DB 1 - 2.5 MWh, DC 2.5 - 5 MWh, DD 5 - 15 MWh, DE above 15 MWh, IB 20-500 MWh, ID 2000-20000 MWh, IF 70000-150000 MWh. Annual Gas consumption: D2 20-200 GJ, I3 10000-100000 GJ, I5 1 mil - 4 mil GJ.
Price regulation
Oil prices

Energy costs shares in total production costs

Share of energy costs in total production value in industry and services: EE vs. EU28

Source: ESTAT (BBG/WI). Prices own calculations

Notes: Data for Malta (prior to 2016), Poland (prior to 2015), Slovenia (prior to 2012) and Greece (prior to 2008) is not available. Data for Denmark, Sweden and the United Kingdom for 2016 was missing by the time of extraction
Financial support interventions

Financial support by energy/technology (billion euros)

Financial support by sector (billion euros)
Finland

1 Neighbour countries and EU 28. No gas household prices available for Greece for 2017.
2 Annual electricity consumption: DB 1 - 2.5 MWh, DC 2.5 - 5 MWh, DD 5 - 15 MWh, DE above 15 MWh, IB 20-500 MWh, ID 2000-20000 MWh, IF 70000-150000 MWh. Annual Gas consumption: D2 20-200 GJ, I3 10000-100000 GJ, I5 1 mil - 4 mil GJ.
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Oil products prices

Energy costs shares in total production costs

Notes: Data for Malta (prior to 2016), Poland (prior to 2015), Slovenia (prior to 2012) and Greece (prior to 2008) is not available. Data for Denmark, Sweden and the United Kingdom for 2016 was missing by the time of extraction.