**Flows and energy products in the national annual energy balance; conversion factors between different energy units**

**Flows (rows of the energy balance)**

+ Primary production

+ Import

- Export

+ Stock changes

**= Gross avaliable energy**

- International maritime bunkers

**= Gross inland consumption**

- International aviation

**= Total energy supply**

|  |
| --- |
|  - Transformation input |
|  Transformation input - Hydro power plants |
|  Transformation input - Wind turbines |
|  Transformation input - Solar photovoltaic |
|  Pump storage |
|  Transformation input - Thermal power plants  |
|  Transformation input - CHP |
|  Transformation input - Autoproducers |
|  Transformation input - District heating plants |
|  Transformation input - Oil and gas extraction |
|  Transformation input - Refineries |
|  Transformation input - Petrochemical refinery  Transformation input - For blending with motor gasoline, diesel, kerosene |
|  Products transferred |
|  Interproduct transfers  |
|  Returns from petrochemical industry  |
|  Transformation input - Blast Furnace plants |
|  Transformation input - Coal mines |
|  Transformation input - Coal transformation |
|  Transformation input - Charcoal kilns and retorts |
|  Transformation input - Producers of wood pellets |
|  Transformation input - Producers of wood briquettes |
|  Transformation input - Other |
|  + Transformation output |
|  Transformation output - Hydro power plants |
|  Transformation output - Wind turbines |
|  Transformation output - Solar photovoltaic |
|  Transformation output - Thermal power plants  |
|  Transformation output - CHP |
|  Transformation output - Autoproducers |
|  Transformation output - District heating plants |
|  Transformation output - Oil and gas extraction |
|  Transformation output - Refineries |
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|  Interproduct transfers  |
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|  Transformation output - Coal mines |
|  Transformation output - Coal transformation |
|  Transformation output - Charcoal kilns and retorts |
|  Transformation output - Producers of wood pellets |
|  Transformation output - Producers of wood briquettes |
|  Transformation output - Other |
|  - Consumption in the energy sector  |
|  Оwn use - Hydro power plants |
|  Own use - Thermal power plants  |
|  Own use - CHP |
|  Own use - Autoproducers |
|  Own use - District heating plants |
|  Own use - Oil and gas extraction |
|  Own use - Refineries |
|  Own use - Petrochemical refinery |
|  Own use - Blast Furnace plants |
|  Own use - Coal mines |
|  Own use - Coal transformation |
|  Own use - Charcoal kilns and retorts |
|  Own use - Producers of wood pellets |
|  Own use - Producers of wood briquettes |
|  Own use - Other |

- Losses

**= Energy available for final consumption**

- Final Non-Energy consumption

of which for the chemical industry

- Final Energy consumption:

 Industry

 Construction

 Transport

 Households

 Agriculture

 Other users

**= Statistical difference**

**Енергенти (у јединицама мере расположивим у енергетском билансу)**

|  |  |  |
| --- | --- | --- |
| Electricity (total)  | GWh | TJ |
|  Solar photovoltaic | GWh | TJ |
| Wind Energy | GWh | TJ |
| Hydro Energy | GWh | TJ |
|   |   |   |
| Heat (total) |  - | TJ |
|   |   |   |
| Coal (total) |  - | TJ |
| Anthracite |  t | TJ |
| Other Bituminous Coal |  t | TJ |
| Sub-bituminous Coal, Brown Coal and Lignite |  t | TJ |
| Patent Fuel |  t | TJ |
| BKB |  t | TJ |
| Coal Tar |  t | TJ |
| Coke Oven Coke |  t | TJ |
|   |   |   |
| Blast Furnace Gas | 000 m3 | TJ |
|   |   |   |
| Oil and Pertoleum Products (total) |  - | TJ |
| Crude Oil |  t | TJ |
| Natural Gas Liquide (NGL) |  t | TJ |
| Refinery Feedstocks |  t | TJ |
| Additives |  t | TJ |
| Other hydrocarbons |  t | TJ |
| Refinery Gas |  t | TJ |
| Liquified petroleum gas (LPG) |  t | TJ |
| Naphtha |  t | TJ |
| Unleaded Motor Gasoline |  t | TJ |
| Leaded Motor Gasoline |  t | TJ |
| Aviation Gasoline |  t | TJ |
| Kerosene type jet fuel |  t | TJ |
| Other kerosene |  t | TJ |
| Transport diesel |  t | TJ |
| Heating and other gas oil |  t | TJ |
| Fuel Oil-high sulphur (≥1%) |  t | TJ |
| Fuel Oil-low sulphur (<1%) |  t | TJ |
| White spirit  |  t | TJ |
| Lubricants |  t | TJ |
| Bitumen |  t | TJ |
| Paraffin waxes |  t | TJ |
| Petroleum coke |  t | TJ |
| Other Oil Products |  t | TJ |
|   |   |   |
| Natural Gas | 000 Stm3 | TJ |
|   |   |   |
| Geothermal Energy |  - | TJ |
|   |   |   |
| Wood fuels (including charcoal) |  - | TJ |
| Firewood |  t | TJ |
| Wood residual and Wood chips |  t | TJ |
| Wood briquettes |  t | TJ |
| Wood pelletes |  t | TJ |
| Charcoal |  t | TJ |
|   |   |   |
| Biogas | 000 m3 | TJ |
|   |   |   |
| Industrial waste, renewable | t | TJ |
| Industrial waste, non-renewable | 000 m3 | TJ |

|  |  |  |
| --- | --- | --- |
| Pure biodiesel | t | TJ |
| Blended biodiesel | t | TJ |

**Conversion factors between different energy units**

