Energy mix and competitiveness of the Bulgarian Economy

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EU 27 Electricity production by source, 2012 (in%)
Bulgaria: Gross electricity generation, by sectors in %, 2012

- Nuclear: 33%
- Solid Fuel: 47%
- Renewable Energy (RE): 14%
- Gases: 4%
- Petroleum: 1%
EU: Renewable energy target and achievements

• In 2009 the Renewables Directive set binding targets for all EU Member States, such that the EU will reach a 20% share of energy from renewable sources by 2020 and a 10% share of renewable energy specifically in the transport sector. By 2012 the EU realized a 14.1% share of energy from renewable sources. For comparison, Bulgaria is well above the average EU indicator with its 16.3% and even better positioned than countries like Spain, Italy, France, Germany and the UK.

• As of 2010, the UK was 25th of the 27 EU Member States in terms of the fraction of energy produced from renewables, while much less developed country like Bulgaria underdeveloped takes the 12th position in 2012.
RE gross energy consumption, in %, 2012

- Sweden: 51.0%
- Latvia: 40%
- Finland: 38%
- Austria: 34%
- Denmark: 30%
- Estonia: 25%
- Portugal: 31%
- Romania: 24%
- Lithuania: 23%
- Slovenia: 25%
- Croatia: 20%
- Bulgaria: 16%
- Greece: 18%
- Spain: 20%
- Italy: 17%
- France: 23%
- Germany: 18%
- Czech Republic: 13%
- Poland: 15%
- Slovakia: 14%
- Hungary: 13%
- Ireland: 16%
- Belgium: 13%
- Cyprus: 13%
- Netherlands: 14%
- United Kingdom: 15%
- Luxembourg: 11%
- Malta: 10%
- European Union: 14.1%
Proportion of renewable energy in the EU, candidate countries and Norway as percentage of total energy consumption, 2010
Installed PV capacity (W/capita) in 2012

- Germany: 400
- Italy: 269
- Belgium: 240
- Czech: 193
- Greece: 137
- Bulgaria: 128
- Spain: 98
- Denmark: 70
- France: 62
- UK: 26
Biofuels (biodiesel and bioethanol) consumption in GWh, 2010

- 9. Bulgaria: 539 GWh
- 10. Poland: 180 GWh
- 15. Czech: 382 GWh
- 18. Hungary: 107 GWh
- 19. Holland: 101 GWh
- 21. Denmark: 70 GWh
Energy Dependence from Import, 2012

- EU 27: 54%
- Bulgaria: 46%
- Germany: 62%
- Greece: 72%
- Hungary: 63%
- France: 51%
- Slovakia: 64%
Retail energy prices for households

Domestic Electricity Prices

As at May 2013

Euro per KWh

Bulgaria, Croatia, Cyprus, Czech, Estonia, Hungary, Latvia, Lithuania, Malta, Poland, Romania, Slovakia, Slovenia, Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal, Spain, Sweden, UK
Electricity prices for industrial consumers in 2012, EUR per kWh

<table>
<thead>
<tr>
<th>Country</th>
<th>Price (EUR per kWh)</th>
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<tr>
<td>EU 28</td>
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Strategic solutions for strengthening of the Bulgarian competitiveness

- Execution of the “Belene” nuclear plant project and the “South Stream Project” that will be used as a:
  1. Price anchor for further development of the renewable energy sector;
  2. Higher energy independence
  3. Improvement of the national security status
  4. Supply of low cost electricity that can be used for gradual re-industrialization of the Bulgarian economy