

ROMANIA

21.4 million Population (2011)
179.8 billion USD GDP (2011)
8,408 USD GDP per capita (2011)

FIGURE 1: GDP PER CAPITA FOR 2011

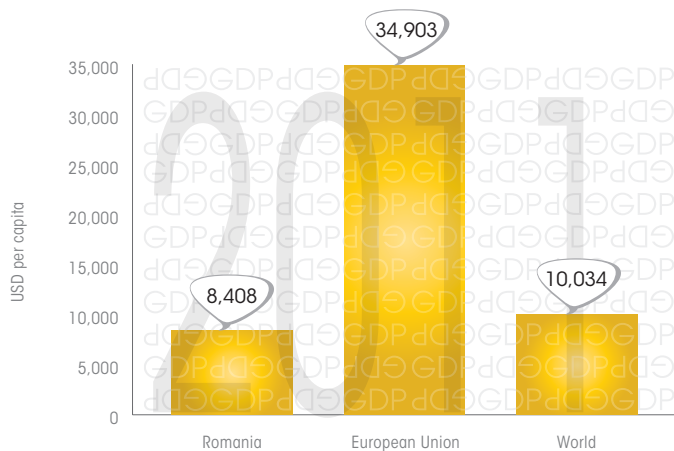
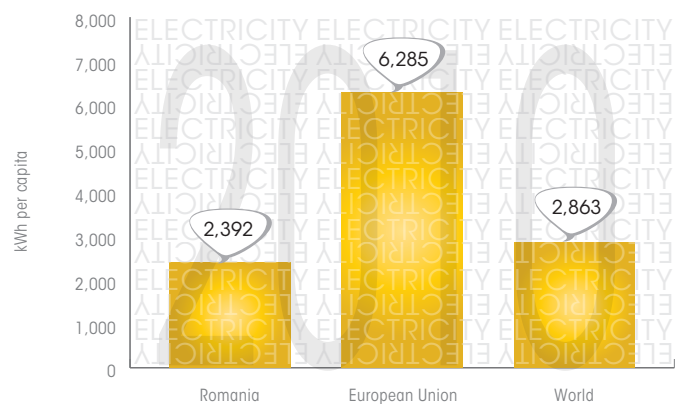


FIGURE 2: ELECTRICITY USE PER CAPITA FOR 2010



The European Union includes Austria, Belgium, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden and the United Kingdom.

ENERGY NATIONAL PROFILE 2011

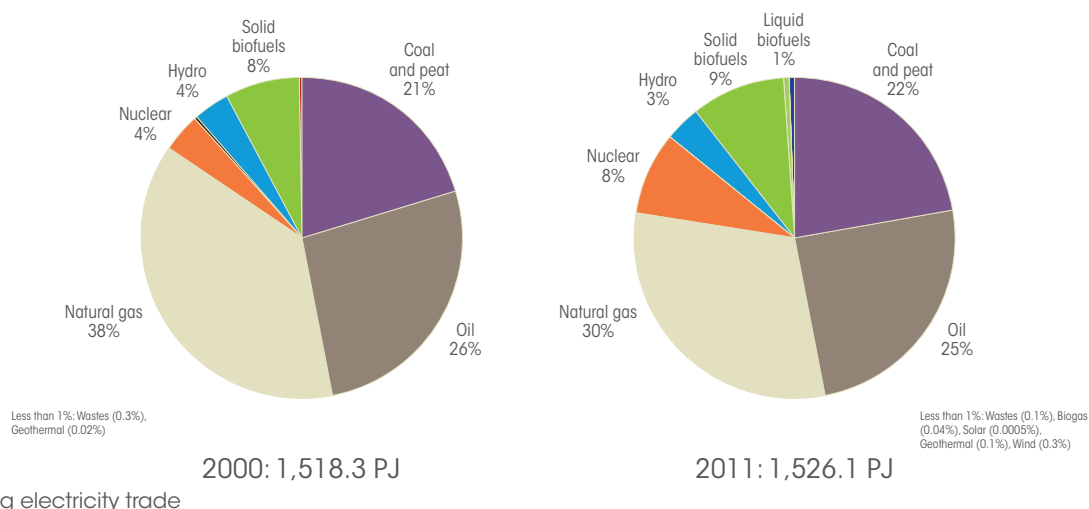
- Total Primary Energy Supply: 1,519.2 PJ - Of which renewables: 212.2 PJ (14.0%)
- Energy self-sufficiency: 76.9%
- Fuel imports: 8.6 billion USD (11.3% of total imports)
- Electricity generation: 62.0 TWh - Of which renewables: 16.3 TWh (26.3%)
- Electricity use per capita: 2,486 kWh
- Electrical capacity: 20.5 GW - Of which renewables: 7.4 GW (36.1%)
- Electricity access rate: 99.9%
- Share of population using solid fuels*: 17%

* 2010

TARGETS:

- 24% of final energy from renewables by 2020
- 43% of electricity generation from renewables by 2020
- 10% of transport energy from renewables by 2020
- 22% of energy consumption for heating and cooling from renewables by 2020

FIGURE 3: TOTAL PRIMARY ENERGY SUPPLY* IN 2000 AND 2011



POLICIES IN PLACE TO PROMOTE RENEWABLE ENERGY SINCE THE RIO CONFERENCE OF 1992



Note: All Member States of the European Union published National Renewable Energy Action Plans in 2010, which detail how they expect to reach their legally binding 2020 target for the share of renewable energy in their total energy consumption, as required by the renewable energy Directive (2009/28/EC)

WORLD BANK EASE OF DOING BUSINESS INDEX FOR 2013: Ranked 72 out of 185

RENEWABLE ENERGY PROJECTS REPORTED IN THE BNEF DATABASE:

- 119 MW of biomass-fired capacity addition announced (6 projects)
- 293 MW of solar photovoltaic capacity addition announced (23 projects)
- Around 3,500 MW of wind capacity addition announced (30 projects)

NUMBER OF REGISTERED CLEAN DEVELOPMENT MECHANISM PROJECTS FOCUSING ON RENEWABLE ENERGY: Not applicable

RENEWABLE ENERGY RESOURCES: ● High ● Medium ● Low ● Unknown ✕ Not applicable

Wind ● Solar ● Hydro ● Biomass ● Geothermal ● Ocean ●

Note: The information on resources should be taken as an indication only. It refers to a general trend of available resources, and does not pre-judge the feasibility of individual projects. The thresholds are indicative, and do not refer to any technological choice. The analysis is based on the literature.

Sources: Population and GDP: World Bank; Energy data: IEA, IRENA analysis based on Eurostat data; Share of fuel imports in total imports: World Trade Organisation; Electrical capacity: IEA, Eurostat; Electricity access rate: World Energy Outlook 2012 database (IEA); Share of population using solid fuels: World Health Organisation; Targets: REN21, IRENA; Policy/legislation: IEA, IRENA research; Ease of doing business index: World Bank; Renewable energy projects: Bloomberg New Energy Finance, IRENA research; Clean Development Mechanism projects: UNFCCC; Renewable energy resources: IRENA analysis.

Units: USD: United States dollar; kWh: kilowatt-hour; GWh: gigawatt-hour (1 GWh=10⁶ kWh); TWh: terawatt-hour (1 TWh=10³ GWh); PJ: petajoule; MW: megawatt; GW: gigawatt (1 GW=10³ MW). Please also refer to the glossary for explanations on the terms used in the country profile.