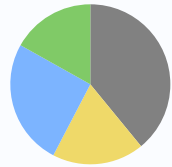


# Romania • Electricity

## Gross electricity generation 2022, TWh (%):



- Fossil fuels 21.44 (39.1)
- Nuclear energy 10.20 (18.6)
- Hydroelectricity 13.98 (25.4)\*
- Other renewable sources 9.26 (16.9)

**Total: 54.89 (100)**

Source: Based on the U.S. Energy Information Administration data (Mar 2024).

\* including pumped storage

## Hydro power plants over 100 MW, MW:

- 1 Iron Gate (Portile de Fier) I-II, 1487
- 2 Lotru-Ciunget, 510
- 3 Raul Mare Retezat (Gura Apelor), 349
- 4 Mariselu, 220
- 5 Vidraru, 220
- 6 Bicz-Stejaru (Dimitrie Leonida), 210
- 7 Ruienii, 153
- 8 Gilceag (Oasa Dam), 150
- 9 Sugag (Tau Dam), 150
- 10 Bradisor, 115
- 11 Tismana (Motru Dam), 106
- 12 Remeti, 100

## Pumped-storage plant over 50 MW, MW:

- 1 Frunzaru, 53

## Nuclear power plant, MW:

- 1 Cernavoda, 1300

## Key natural gas power plants over 100 MW, MW:

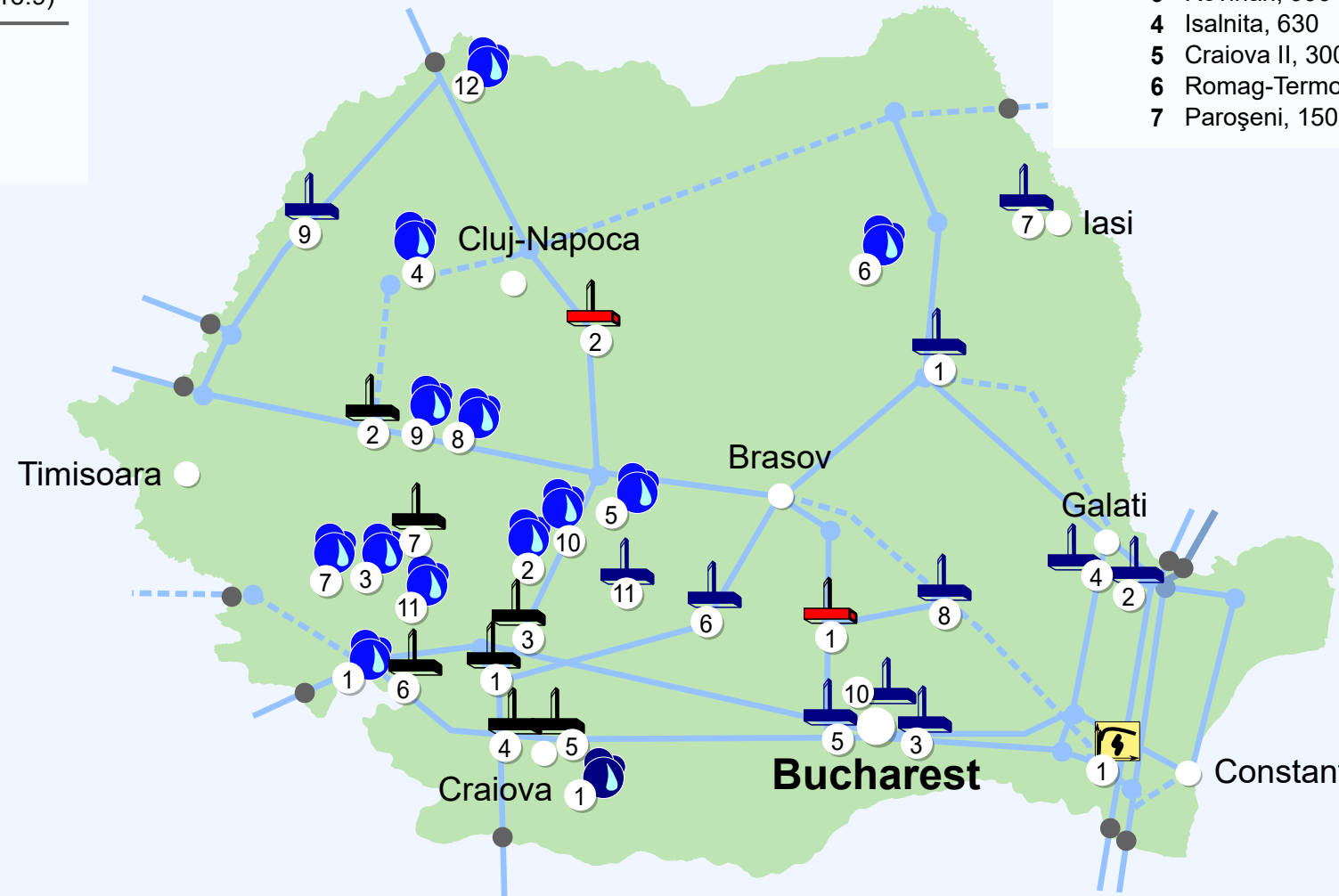
- 1 Brazi OMV Petrom, 860
- 2 Iernut, 800

## Key coal power plants over 100 MW, MW:

- 1 Turceni, 1320
- 2 Mintia-Deva, 1285
- 3 Rovinari, 990
- 4 Isalnita, 630
- 5 Craiova II, 300
- 6 Romag-Termo (Halanga), 300
- 7 Paroseni, 150

## Key combined power plants over 200 MW, MW:

- 1 Borzesti, 655
- 2 Braila, 646
- 3 Bucharest South, 550
- 4 Galati, 535
- 5 Bucharest West, 436
- 6 Doicesti, 320
- 7 Iasi I- II, 250
- 8 Buzau, 207
- 9 Oradea, 205
- 10 Progresu Bucharest, 200
- 11 Govora, 200



- 750 kV line in service
- 400 kV line in service
- - - 400 kV line under construction or proposed
- National grid 750 kV of other power plants, grid connection points, substations
- National grid 400 kV of other power plants, grid connection points, substations
- Border crossing

In 2019 Romania had 20.9 GW of electricity installed generating capacity. Gross theoretical hydropower capability, related to Romania, is 36.0 TWh/year. As of 2017, Romania registered some small-scale hydropower plants up to 10 MW with a total installed capacity of 404.0 MW.

Sources: EU Commission Energy Statistics of the EU-27 Countries (2019); World Small Hydropower Development Report 2019; Used by permission of the World Energy Council (2013).

