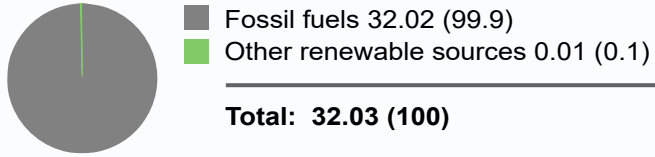


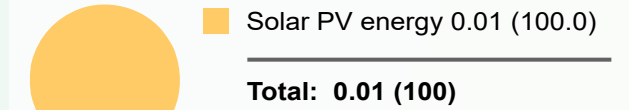
Libya • Electricity and Renewable energy

Gross electricity generation 2021, TWh (%):



Source: Based on the U.S. Energy Information Administration data (Sep 2023).

Gross electricity generation from renewable sources by 2022, TWh (%):



Source: Renewable Energy Statistics 2023 © IRENA

Combined power plants over 100 MW, MW:

- 1 Zawiya, 1440
- 2 Al Khoms, 1000
- 3 Benghazi North, 915
- 4 Misurata (Misrata), 510
- 5 Tripoli West, 350

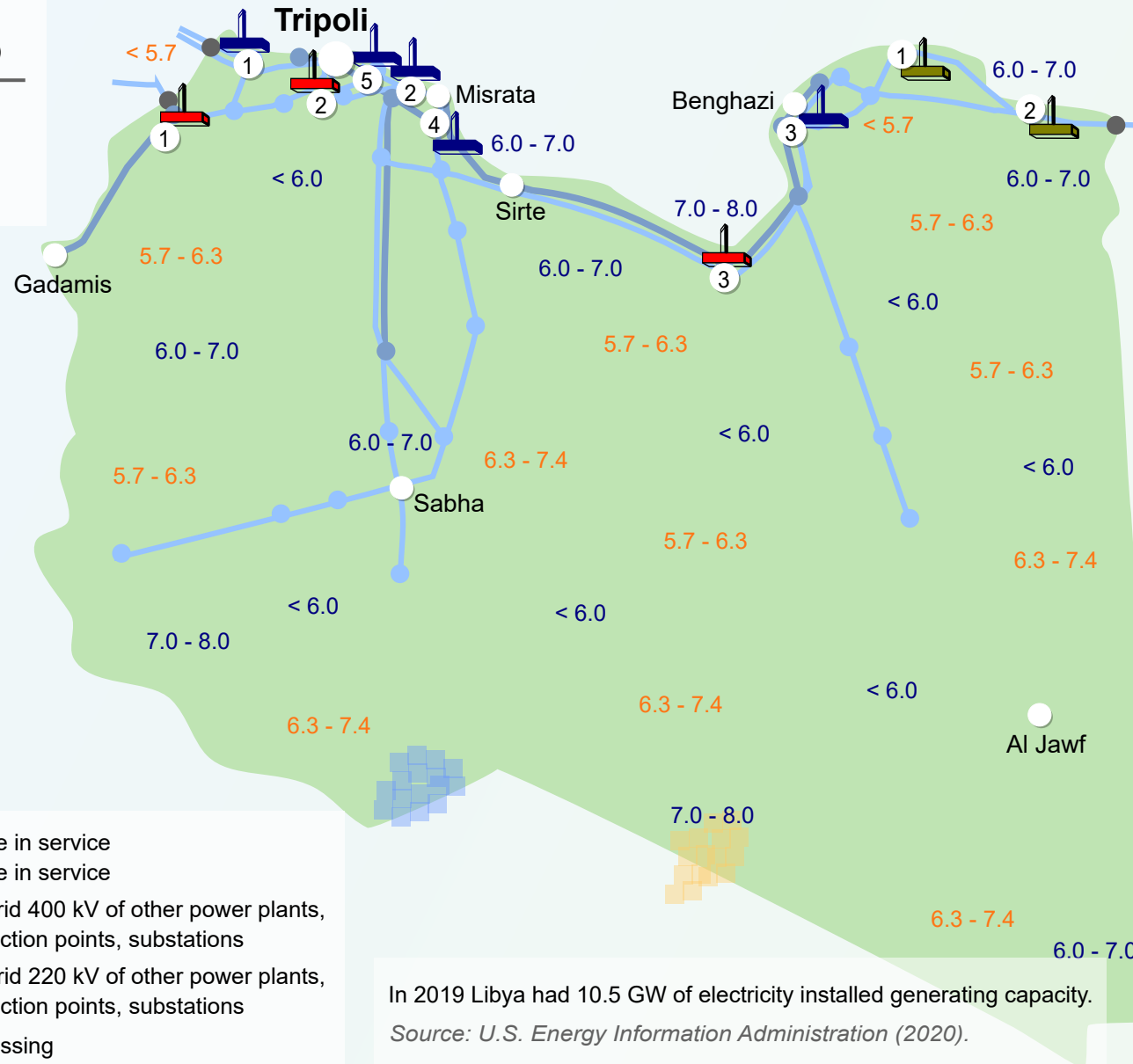
Gas power plants over 100 MW, MW:

- 1 West Mountain, 624
- 2 Tripoli South, 500
- 3 Zwitena, 200

Oil power plants over 100 MW, MW:

- 1 Derna, 120
- 2 Tubrek, 120

- 400 kV line in service
- 220 kV line in service
- National grid 400 kV of other power plants, grid connection points, substations
- National grid 220 kV of other power plants, grid connection points, substations
- Border crossing



0.0 kWh/m²/d Direct Normal Irradiation (DNI)
0.0 m/s Wind speed

High activity areas:

- The most common solar DNI intensity is 7.4 - 7.9 kWh/m² per day, distributed along the country's southeastern borderline with Chad, between Kufra and Murzuq districts.
- The most common wind speed is over 8.0 m/s per year at 50 m are distributed in southwestern part of country, along borderline with Niger and Chad, in Murzuq district.

Source: Energydata.info