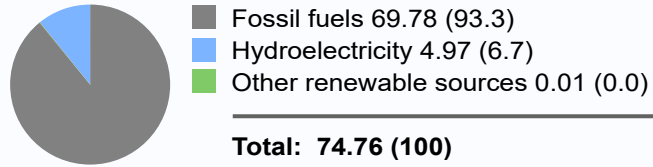


Uzbekistan • Electricity and Renewable energy

Gross electricity generation 2022, TWh (%):



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

Hydro power plants over 100 MW, MW:

- 1 Charvak, 600
- 2 Pskemskaya, 404*
- 3 Andijan, 190
- 4 Khodjikitent, 165
- 5 Farkhad, 126
- 6 Gazalkent, 120

*under construction

Key combined power plants over 100 MW, MW:

- 1 Fergana, 305

Key natural gas power plants over 100 MW, MW:

- 1 Syrdarya, 3000
- 2 Tashkent, 2230
- 3 Talimardjan, 1700
- 4 Navoi, 1618
- 5 Turakurgan, 900
- 6 Takhiatash, 730



In 2019 Uzbekistan had 15.9 GW of electricity installed generating capacity. As of 2017, Uzbekistan registered 27 small-scale hydropower plants up to 30 MW with a total installed capacity of 262.0 MW, included 15 small-scale hydropower plants up to 10 MW with a total installed capacity of 75.8 MW.

Sources: U.S. Energy Information Administration (2020); World Small Hydropower Development Report 2019; Wikipedia.

Wind farm, MW:

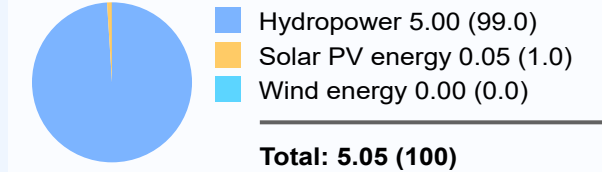
- 1 Yubileiniy, Uzbekenergo, 0.75

Key solar PV power plants over 1.0 MWel, MWel:

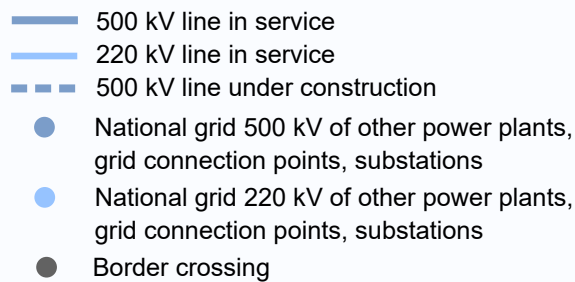
- 1 Muinak, 20.0*
- 2 Kandym (Bukhara), 1.2

*under construction

Gross electricity generation from renewable sources by 2021, TWh (%):



Source: Renewable Energy Statistics 2023 © IRENA

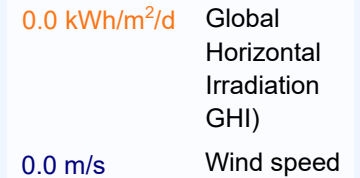
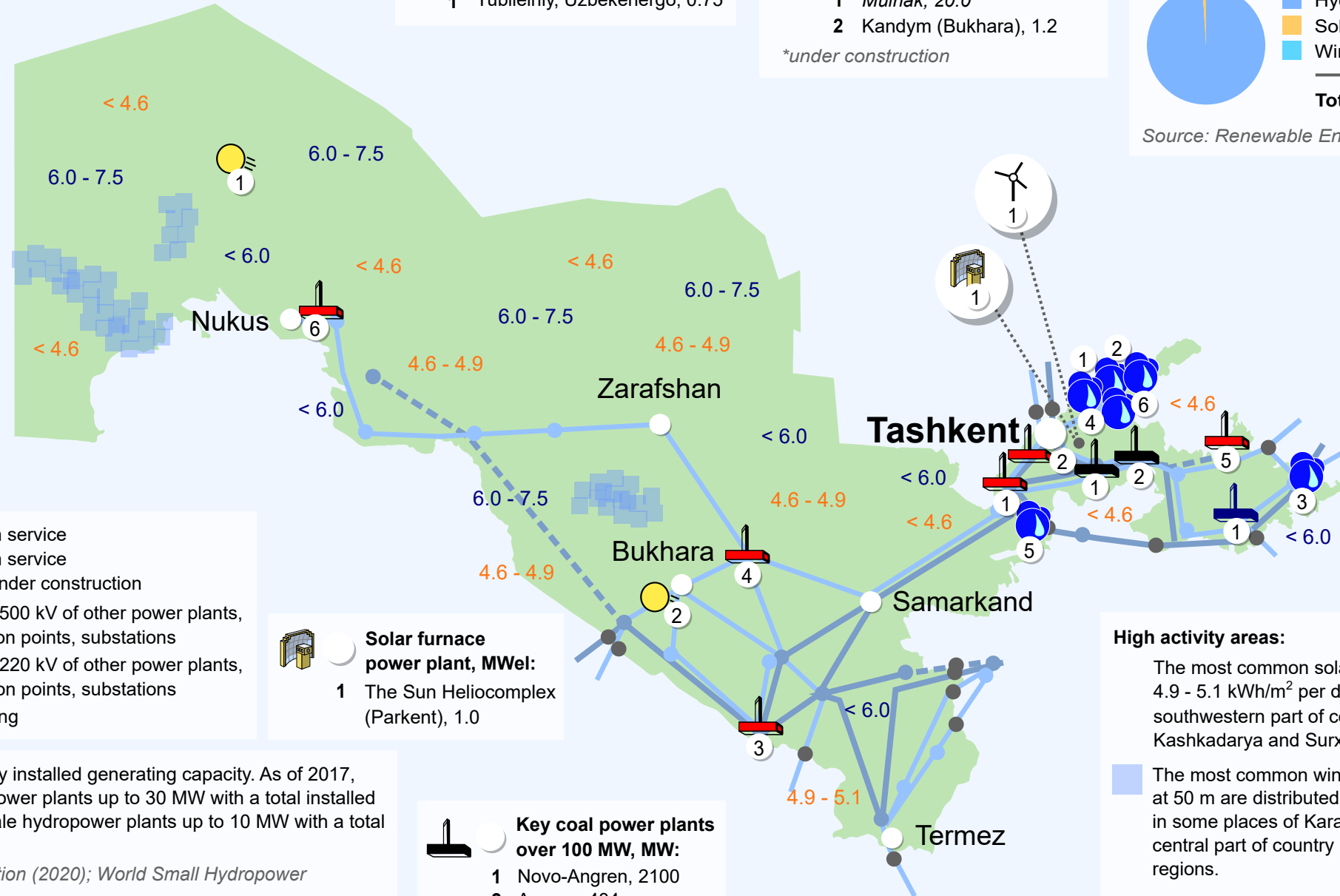


Solar furnace power plant, MWel:

- 1 The Sun Heliocomplex (Parkent), 1.0

Key coal power plants over 100 MW, MW:

- 1 Novo-Angren, 2100
- 2 Angren, 484



High activity areas:

The most common solar GHI intensity is 4.9 - 5.1 kWh/m² per day, distributed in the southwestern part of country, between Kashkadarya and Surxondaryo regions.

The most common wind speed is 7.50 - 8.00 m/s at 50 m are distributed in the western part of country, in some places of Karakalpakstan region, and the central part of country between Bukhara and Navoiy regions.

Source: Energydata.info