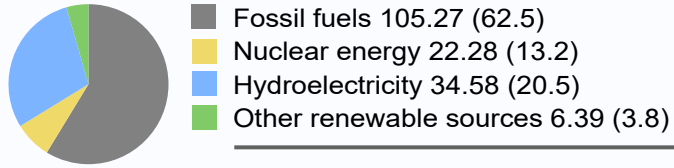


Pakistan • Electricity

Gross electricity generation 2022, TWh (%):



Total: 168.52 (100)

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

Key coal power plants over 100 MW, MW:

- 1 Hubco, 1320
- 2 Port Qasim, 1320
- 3 Sahiwal, 1320
- 4 Thar, Engro, 660
- 5 Port Qasim, Lucky Electric, 660*
- 6 Thar, Siddiqsons Energy, 330*
- 7 Thar, ThalNova Power, 330*
- 8 Thar, Thar Energy, 330*
- 9 Gwadar, 300
- 10 Lakhra, 150
- 11 Port Qasim, Fauji Fertilizer, 118

* under construction

Key oil power plants over 210 MW, MW:

- 1 Hub River, HUBCO, 1292
- 2 Bin Qasim-1, KESC, 1260
- 3 Jamshoro, 850
- 4 Mehmood Kot, Pak Gen, 365
- 5 Mehmood Kot, Lalpir, 362
- 6 Narowal, 225
- 7 Sheikhpura, Atlas Power, 224

Key natural gas power plants over 300 MW, MW:

- 1 Guddu, 2402
- 2 Jhang, Punjab TPL, 1263
- 3 Haveli Bahadur Shah, 1230
- 4 Balloki, 1223
- 5 Bhikki, 1180
- 6 Uch, 990
- 7 Bin Qasim-3, K-Electric, 900*
- 8 Bin Qasim-2, K-Electric, 560
- 9 Nandipur, 425
- 10 Abdul Hakim, Rousch (Pakistan), 412

* under construction

Nuclear power plants, MW:

- 1 Chashma, 1330
- 2 Karachi Unit-1, 137
- 3 Karachi Unit-2 & Unit-3, 2200*

* under construction

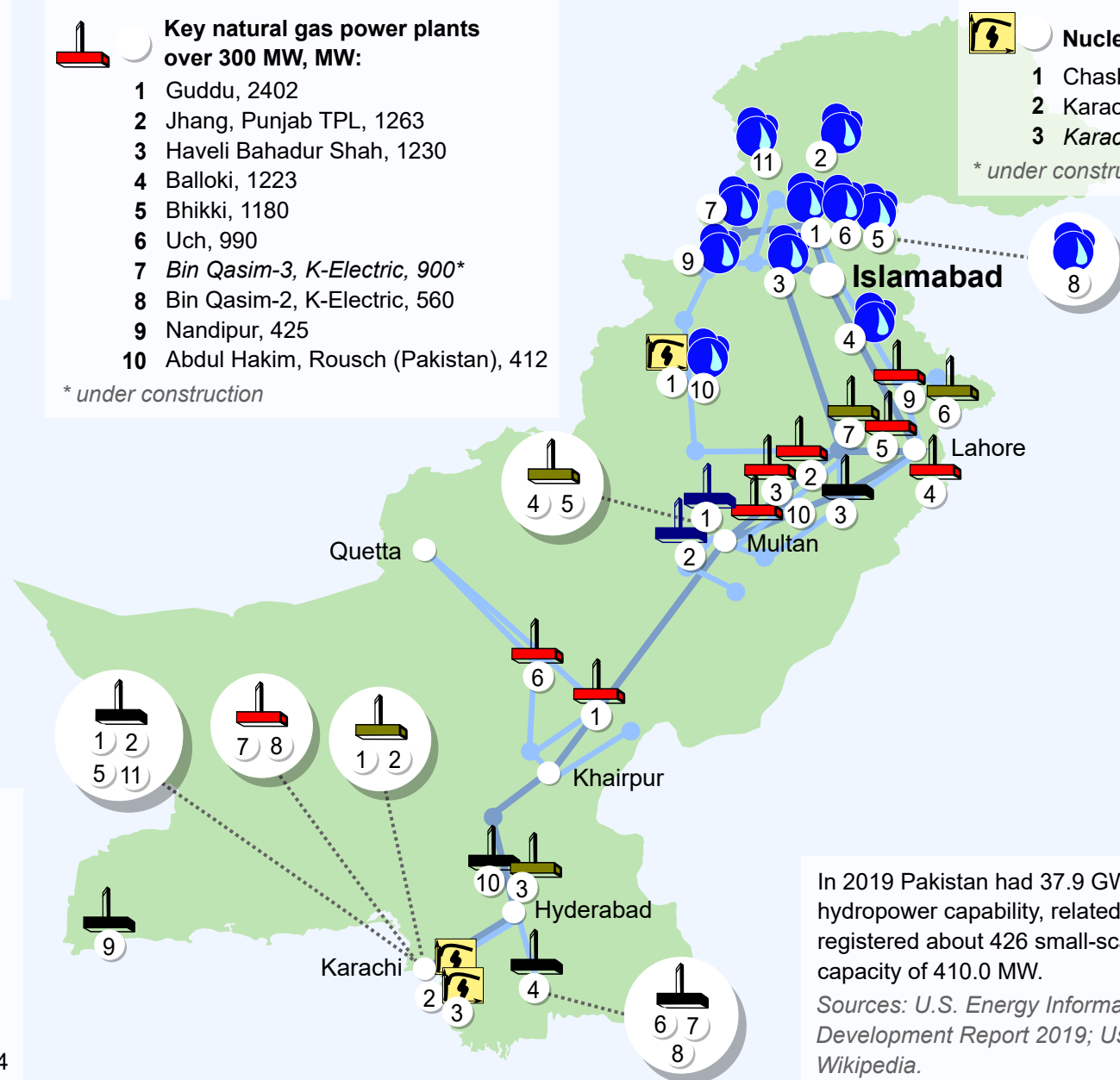
Hydro power plants over 150 MW, MW:

- 1 Tarbela Dam, 4888
- 2 Dasu Dam, 4320*
- 3 Ghazi-Barotha, 1450
- 4 Mangla Dam, 1310*
- 5 Neelum-Jhelum, 969
- 6 Suki Kinari, 870*
- 7 Mohmand Dam, 800*
- 8 Karot, 720*
- 9 Warsak Dam, 243
- 10 Chashma, 184
- 11 Sharmai, 150*

* under construction

Key combined power plants over 200 MW, MW:

- 1 Kot Addu, 1600
- 2 Muzaffargarh, 1350



- 500 kV line in service
- 220 kV line in service
- National grid 500 kV of other power plants, grid connection points, substations
- National grid 220 kV of other power plants, grid connection points, substations

In 2019 Pakistan had 37.9 GW of electricity installed generating capacity. Gross theoretical hydropower capability, related to Pakistan, is 475.0 TWh/year. As of 2019, Pakistan registered about 426 small-scale hydropower plants up to 50 MW with a total installed capacity of 410.0 MW.

Sources: U.S. Energy Information Administration (2020); World Small Hydropower Development Report 2019; Used by permission of the World Energy Council (2013); Wikipedia.

