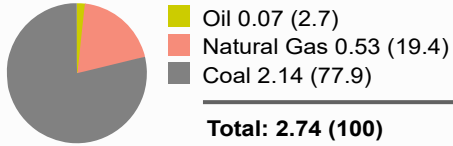


Pakistan • Fossil fuels

Conventional proved reserves by fuels, Billion tonnes of oil equivalent (%):



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

Oil refineries, bpd:

- 1 Karachi, Byco, 155 000
- 2 Mahmoodkot, PARCO Mid-Country, 100 000
- 3 Karachi, National Refinery, 64 000
- 4 Rawalpindi, Attock Refinery, 53 400
- 5 Karachi, Pakistan Refinery, 50 000
- 6 Gadap, Enar, 3000
- 7 Hub, PARCO Coastal Refinery, 250 000*
- 8 Kot Addu, Grace Refinery, 120 000*
- 9 Port Qasim, Indus Refinery, 93 000*
- 10 Kushalgarh, Khyber Refinery, 20 000*

* under construction

Key oil storages:

- 1 Mouza Kund
- 2 Port Qasim
- 3 Keamari
- 4 Mehmood Kot (Qasba Gujrat)
- 5 Machike
- 6 Shikarpur
- 7 Dualatpur City

Key oil terminals:

- 1 Keamari (Karachi)
- 2 Port Qasim, Fotco Oil Terminal

Key natural gas extraction fields:

- 1 Bhit/Badhra
- 2 Dakhni
- 3 Kadanwari
- 4 Mari
- 5 Qadirpur
- 6 Sawan
- 7 Sui
- 8 Zamzama
- 9 Zarghun South

Key natural gas processing plants:

- 1 Qadirpur
- 2 Sawan
- 3 Bhit
- 4 Uch
- 5 Kadanwari
- 6 Dakhni
- 7 Tolanj

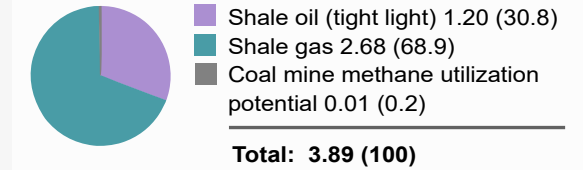
LNG import terminals:

- 1 PGPC Port Qasim
- 2 Engro Elengy (Port Qasim)

Major coal mine fields:

- 1 Khost-Shahrig-Harnai
- 2 Lakhra
- 3 Sor-Range
- 4 Degari
- 5 Thar

Unconventional reserves by fuels, Billion tonnes of oil equivalent (%):



Sources: Based on the U.S. EIA 2015 data (Sep 2023); U.S. Environmental Protection Agency 2017 (Sep 2023) et al.

Key uranium mine fields:

- 1 Bannu Basin
- 2 Suleman Range
- 3 Qabul Khel

Key oil extraction fields:

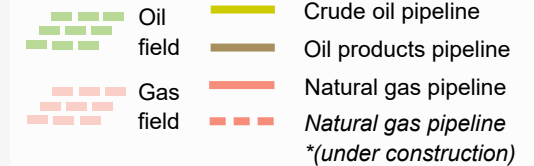
- 1 Nashpa
- 2 Tal Block
- 3 Toot
- 4 Ghauri

Gas hydrates occurrence:

- 1 Makran

Largest shale oil (tight light) fields (Sembar, Ranikot)

Largest shale gas fields (Sembar, Ranikot)



As of 2021 Pakistan had 540.0 million barrels of proved oil reserves, extracted about 90.9 thousand barrels of crude oil per day, 20.9 Tcf of proved natural gas, extracted about 1343.9 Bcf of natural gas and 3064.0 million tonnes of coal, extracted about 5.9 mln short tons. Pakistan's conventional oil infrastructure include 6 operating oil refineries with a total crude oil processing capacity of 425 400 bpd and 4 under construction oil refineries with planned 483 000 bpd; some oil terminals and oil storages. There are 3470 km of crude oil and 1170 km of refined products pipelines. Conventional natural gas – include 2 operating LNG import terminals with a total import capacity of 9.5 million tonnes per year; some gas processing plants; 12 984 km of natural gas pipeline.

Sources: Central Intelligence Agency; U.S. Energy Information Administration (Dec 2021); BP Statistical Review of World Energy 2021; A Barrel Full; Wikipedia.