

Kenya • Fossil fuels and Electricity

The share of domestic production in total primary energy consumption, %:



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

Key oil extraction fields:
1 Lokichar (Turkana)

Oil refinery, bpd:
1 Mombasa, KPRL, 70 000

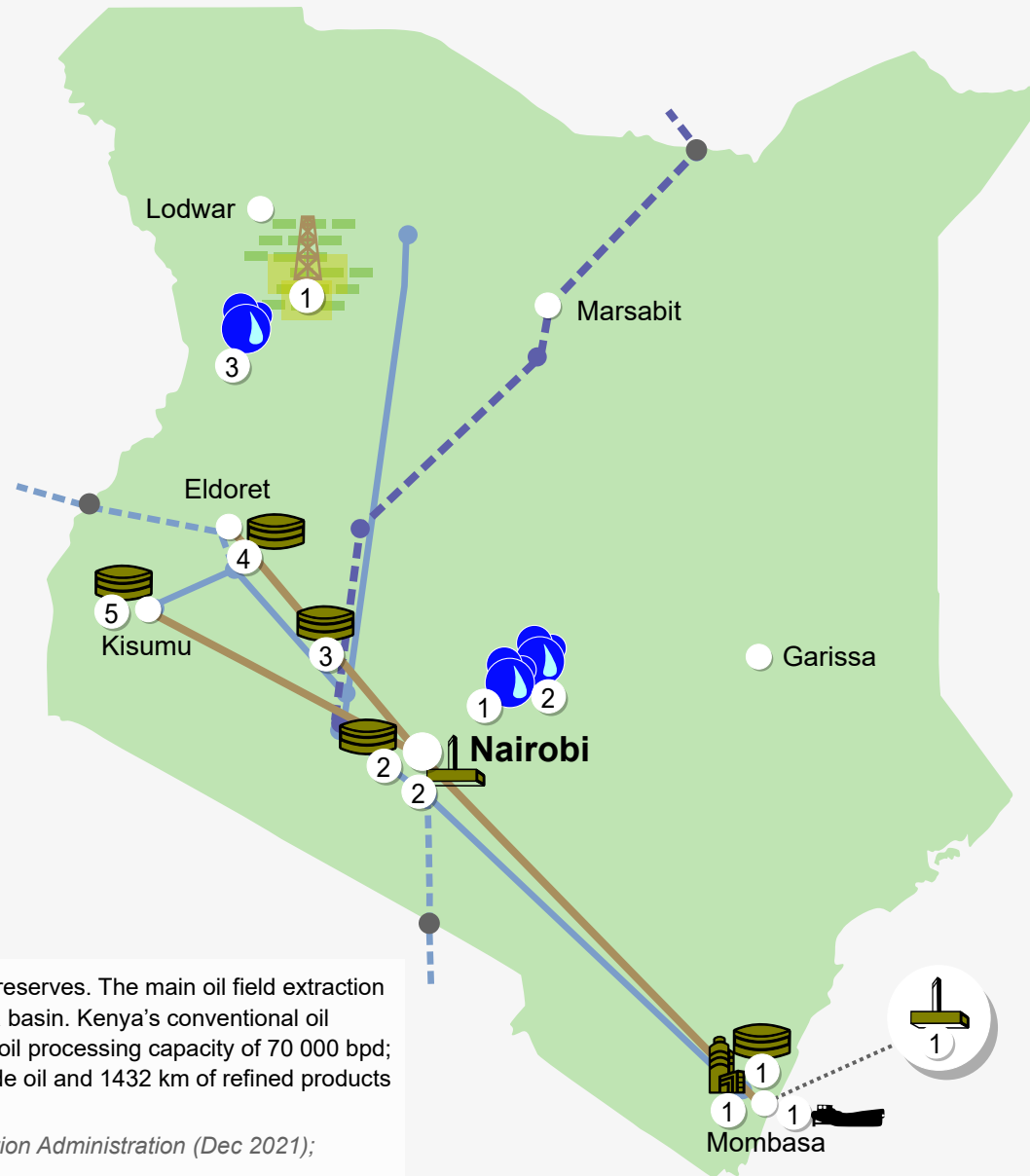
Oil terminal:
1 Mombasa

Oil field **Crude oil pipeline**
Oil products pipeline
● Pipeline start/end connection points

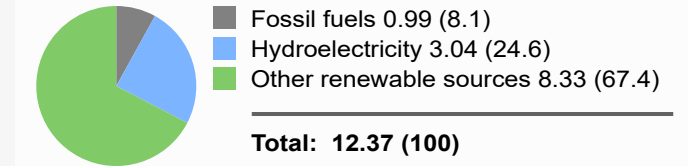
Key oil storages:
1 Kipevu (Mombasa)
2 Nairobi
3 Nakuru
4 Eldoret
5 Kisumu

Kenya doesn't have a large crude oil, natural gas and coal reserves. The main oil field extraction activity is located in the north-west area of country, Turkana basin. Kenya's conventional oil infrastructure include 1 halted oil refinery with a total crude oil processing capacity of 70 000 bpd; 1 oil terminal and some oil storages. There are 4 km of crude oil and 1432 km of refined products pipelines.

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



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 Gitaru, 225
2 Kiambere, 168
3 Turkwel, 106

Key oil power plants over 100 MW, MW:
1 Kipevu 1-3, 265
2 Nairobi South, 109

— 400 kV line in service
- - - 500 kV line under construction
- - - 400 kV line under construction
● National grid 500 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 Kenya had 3.0 GW of electricity installed generating capacity. As of 2019, Kenya registered some small-scale hydropower plant up to 10 MW with a total installed capacity of 39.4 MW.

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