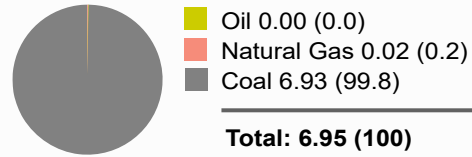


# South Africa • Fossil fuels

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



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

## Key coal mines:

- 1 Grootgeluk, Exxaro
- 2 Goedgevonden, Glencore
- 3 Wolvekrans, South32
- 4 Makhado, Coal of Africa
- 5 Twistdraai, Sasol
- 6 Khwezela, Anglo American
- 7 Kangala, Universal Coal

## Major coal export terminals:

- 1 Richards Bay
- 2 Durban

## Key oil extraction fields:

- 1 Oribi/Oryx, PetroSA (offshore)

## Key oil storages:

- 1 Durban
- 2 Saldanha Bay

## Key FPSO terminals:

- 1 Orca, PetroSA

## Oil refinery, bbl/d:

- 1 Sapref (Shell & BP), 170 000
- 2 Enref (Engen Petroleum), 135 000
- 3 Chevref (Caltex Oil), 100 000
- 4 Natref (NPR), 88 000

## Key natural gas extraction fields:

- 1 F-A, PetroSA (offshore)
- 2 E-M, PetroSA (offshore)
- 3 South Coast, PetroSA/Pioneer (offshore)

## Key oil terminals:

- 1 Durban
- 2 Saldanha Bay

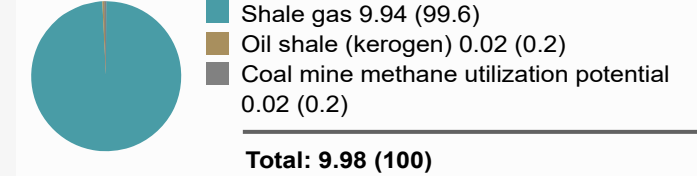
## Underground coal gasification projects:

- 1 Majuba, Eskom

## Major uranium mines:

- 1 Ezulwini-Cooke
- 2 Vaal River

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



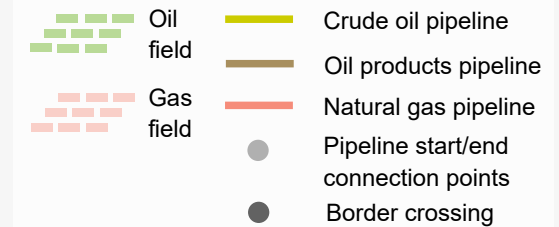
Sources: Based on the U.S. EIA 2015 data (Sep 2023); U.S. Geological Survey SIR 2005-5294 (Sep 2023); U.S. EPA 2017 (Sep 2023) et al.

## GtL-FT facilities, bpd:

- 1 Mossel Bay PetroSA, 45 000
- 2 Sasolburg (Sasol I), 5600
- 3 Mossel Bay GTL.F1 LT-FT Demo, 1000

## CtL-FT facilities, bpd:

- 1 Secunda (Sasol II, III), 160 000



As of 2021 South Africa had 15.0 million barrels of proved oil reserves, extracted about 108.3 thousand barrels of crude oil per day, roughly 0.6 Tcf of proved natural gas, extracted about 43.4 Bcf of natural gas and 9893.0 million tonnes of coal, extracted about 280.4 mln short tons of coal. South Africa's conventional oil infrastructure include 4 operating oil refineries with a total crude oil processing capacity of 503 000 b/d; some oil terminals, FPSO terminals and oil storages. There are 992 km of crude oil and 1460 km of refined products. Conventional natural gas – some natural gas extraction offshore platforms and gas processing plants; 1293 km of natural gas and 94 km of condensate pipelines.

Sources: U.S. Energy Information Administration (Dec 2021); Central Intelligence Agency; OPEC et al.