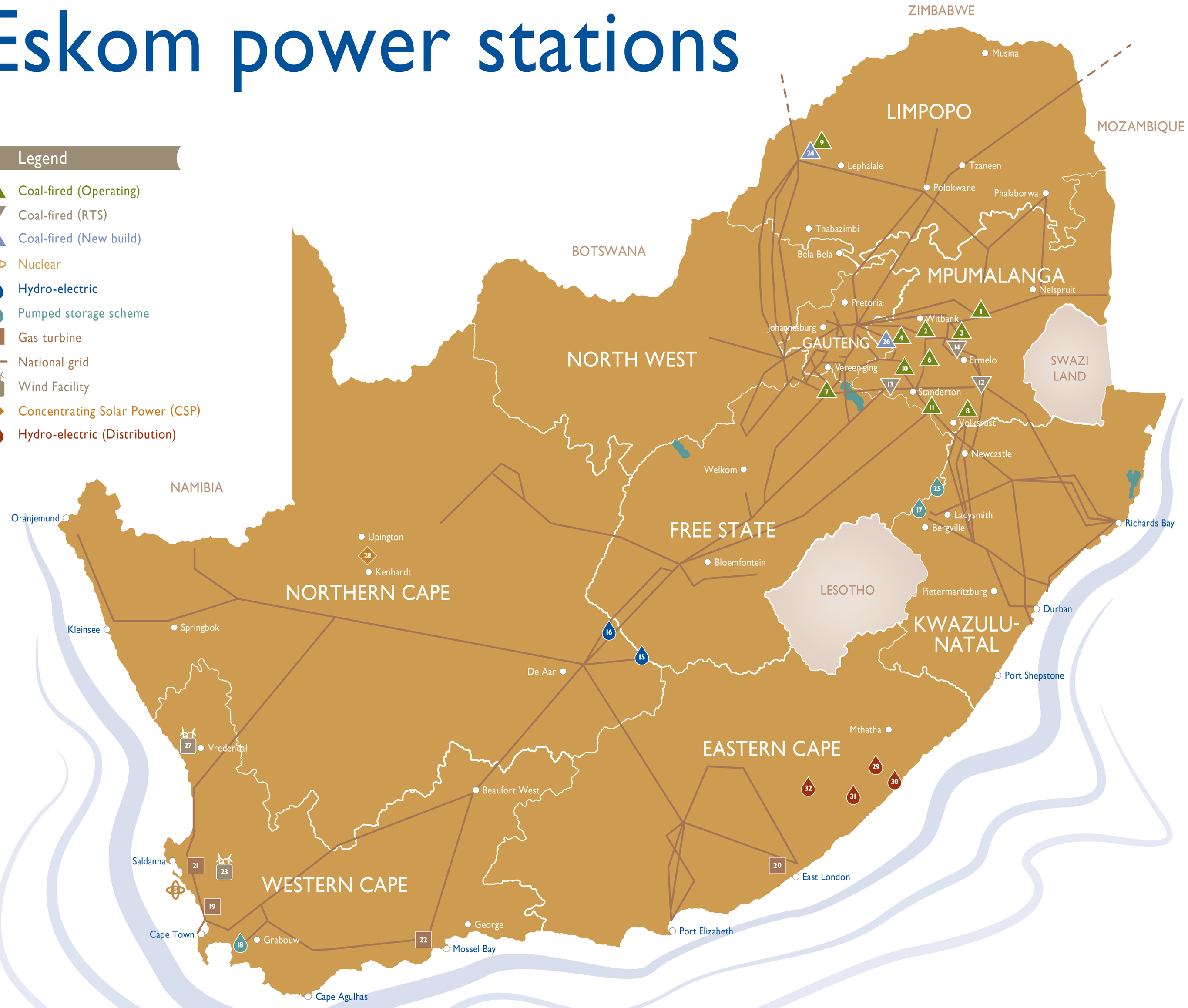
Eskom power stations

Legend

- Coal-fired (Operating)
- Coal-fired (RTS)
- Coal-fired (New build)
- Nuclear
- Hydro-electric
- Pumped storage scheme
- Gas turbine
- National grid
- Wind Facility
- Concentrating Solar Power (CSP)
- Hydro-electric (Distribution)



Base load stations

Coal

1	Arnot	2 352 MW	7	Lethabo	3 708 MW
2	Duvha	3 600 MW	8	Majuba	4 110 MW
3	Hendrina	2 000 MW	9	Matimba	3 990 MW
4	Kendal	4 116 MW	10	Matla	3 600 MW
6	Kriel	3 000 MW	11	Tutuka	3 654 MW

Nuclear

5 Koeberg 1 940 MW

Return-to-service stations

Coal

12 Camden 1 510 MW
13 Grootvlei 1 200 MW
14 Komati 940 MW

The return-to-service (RTS) stations were mothballed in 1990 and are in the process of being recommissioned due to the growing demand for electricity. The return-to-service project for Camden power station ended on 31 March 2010 with the entire station fully commercial.

Peak demand stations

Hydro-electric

15 Gariep 360 MW
16 Vanderkloof 240 MW

Pumped storage scheme

17 Drakensberg 1 000 MW
18 Palmiet 400 MW

Gas turbine

19 Acacia 171 MW
20 Port Rex 171 MW
21 Ankerlig 1 338 MW
22 Gourikwa 746 MW

The peaking stations can generate electricity within a few minutes of start-up, making them ideally suited to supply power during peak periods. They also assist in regulating the system voltage and frequency to ensure stability of the national transmission network.

Renewable energy

Wind Facility

23 Klipheuwel Wind Facility 3 MW

New build

Coal

24 Medupi 4 788 MW
26 Kusile 4 800 MW

Pumped storage scheme

25 Ingula 1 332 MW

Wind Facility

27 Sere Wind Facility 100 MW

Solar

28 Concentrating Solar Power (CSP) 100 MW

Distribution

Hydro-electric

29 First Falls 6 MW
30 Second Falls 11 MW
31 Colley Wobbles 42 MW
32 Ncora 2 MW

These hydro-electric power stations fall within the Distribution Division in the Eastern Cape operating unit and are used to stabilise the distribution network in that area.

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