



South Australia generating plants

ENGIE began operations in South Australia in 1999 when it developed and constructed the State's first major private sector power station at Pelican Point, on the Port River, 20km north-west of the Adelaide CBD.

ENGIE subsequently acquired the long-term lease of Synergen Power. Synergen is a peaking generator of 396MW consisting of 10 generating units located at four power station sites across South Australia.

Pelican Point Power and Synergen Power are jointly owned by ENGIE (72 per cent) and Mitsui & Co Ltd (28 per cent).

Pelican Point power station

Pelican Point is one of Australia's most advanced, efficient and environmentally friendly power stations.

The power station uses combined-cycle gas turbine operation to produce 479MW – capable of catering for approximately 25 per cent of South Australia's electricity needs.

Pelican Point power station has an energy efficiency of more than 50 per cent, compared with older power stations at less than 35 per cent. The combined-cycle system also greatly reduces greenhouse gas emissions.

Other environmental features of the power station are:

- Stringent adherence to noise standards, ensuring negligible impact on local residents;
- Ground level concentrations of oxides of nitrogen that are 40 per cent better than the Australian standard;
- Strict controls to ensure protection of the marine environment; and
- A total of 70,000 trees planted around the low rise power station, restoring reclaimed wasteland into an area of native trees and bushes.

Through its commitment to the Australian Landcare program, ENGIE has funded the Port Adelaide Enfield Dunes Project to preserve and enhance an 8km stretch of coast near the Pelican Point power station.

Synergen Power

As a peaking generator, Synergen supplies power into the National Electricity Market (NEM) at times of high demand, particularly on days of very high temperatures.

Synergen also provides other services to the NEM including system restart capability and generation support for the transmission network.

The Synergen Power peaking units, located at Dry Creek, Mintaro, Snuggery and Port Lincoln, produce a combined 396 MW.

Snuggery power station



Mintaro power station



Port Lincoln power station

