

WIVENHOE PUMPED STORAGE HYDROELECTRIC POWER STATION

About CleanCo

CleanCo is Queensland's publicly owned clean energy generator, with a current trading portfolio of 1,120 MW in the National Energy Market (NEM).

CleanCo has a target to support 1,000 MW of new renewable energy generation by 2025 and will achieve this by building, owning and operating renewable energy projects and by supporting investment in other new renewable energy projects.

CleanCo's foundation assets include the Wivenhoe pumped storage hydroelectric power station, Swanbank E gas-fired power station, and three hydroelectric power stations in Far North Queensland: Barron Gorge, Kareeya and Koombooloomba.



Location:

Wivenhoe Pocket via
Fernvale in South East
Queensland

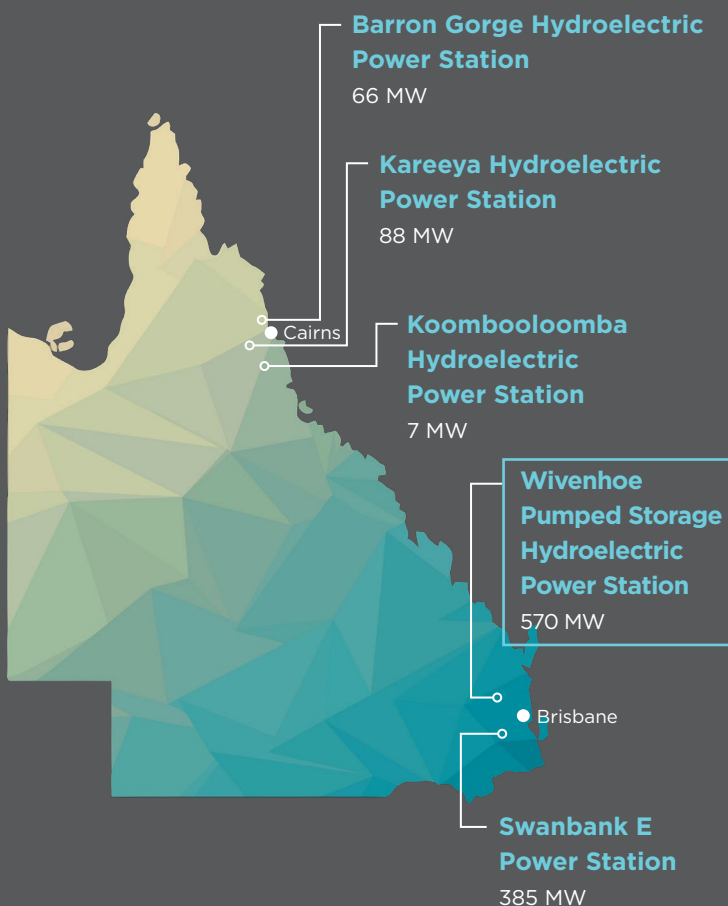
Commissioned:

1984

Capacity:

570 megawatts (MW)

OUR FOUNDATION ASSETS



About Wivenhoe Power Station

Commissioned in 1984, Wivenhoe Power Station is the only pumped storage hydroelectric plant in Queensland and provides fast ramping capability to support a stable electricity supply.

Wivenhoe's two 285 MW generators are the largest hydromachines in Australia, weighing 1,500 tonnes each.

Using electricity from the grid, Wivenhoe Power Station pumps water uphill from Wivenhoe Dam, into Splityard Creek Dam.

The water is stored at Splityard Creek Dam until it is required for electricity generation, at which time the water is released back downhill to the turbines at the power station to generate electricity.

The water then flows back into Wivenhoe Dam, where it can be pumped back uphill to Splityard Creek Dam to generate more electricity. In this way, Wivenhoe Power Station works like a giant rechargeable battery.