

Introducing the Port Kembla Power Station

Australian Industrial Power is proposing to develop the Port Kembla Power Station; Australia's largest hydrogen capable power station.

The Port Kembla Power Station

With an anticipated final nominal capacity of 635 megawatts (MW), the project will initially leverage natural gas from the new Port Kembla Energy Terminal and then aim to convert to using 100% green hydrogen by 2030 to deliver sustainable energy to NSW.

Depending on the rate at which coal-fired power exits the market, there may be a need for the power station to commence as a smaller scale (435MW) open-cycle unit to provide short-term dispatchable peaking capacity, before potentially moving to the final full 635 MW combined cycle design.

The project will also involve the construction of a short (approx. 16km) transmission line to connect the proposed power station to the broader electrical system.

NSW's need for more power

The Port Kembla Power Station will use 21st century technology to produce safe, reliable, and lower emission electricity to support the ever-growing energy needs of NSW.

The current electricity system in NSW is under increasing pressure due to the state's ageing infrastructure and

market forces. The planned retirement of ageing power stations will remove significant capacity across the National Electricity Market.

The scale of the Port Kembla Power Station means it can respond to large changes in the supply and demand balance and will act to create a cap on electricity prices. This will help support economic growth and improve the economic viability for all businesses and energy users across NSW.

The Port Kembla Power Station is estimated to provide approximately \$1.3 billion in capital investment and aims to supply electricity to the National Electricity Market by the summer of 2024/25, subject to planning approvals.

The transition to renewable energy

The Port Kembla Power Station is being designed with the future in mind and will be built to support a transition to green hydrogen. Australia's largest hydrogen capable power station will be able to operate on 50% hydrogen and 50% natural gas from its commissioning and is projected to operate on 100% green hydrogen by 2030.

We are committed to developing solutions that promote the rate of transition to a renewable energy future.



Berth 101 - Proposed Layout

1 FACTSHEET

Project benefits

The Port Kembla Power Station will bring about many benefits for the community and NSW residents.

Improved power supply

The Port Kembla Power Station will secure the region's power supply with 21st century technology. The dual-fuelled power station will provide energy security by delivering about 5% of NSW's peak electricity needs.

Transition to renewable energy (Hydrogen)

The Port Kembla Power Station will support Port Kembla in becoming a regional energy (hydrogen) hub. The power station will provide a source of electricity to support the changing electricity profile in NSW and aid the rapid development of the renewable electricity market.

Industrial development and infrastructure growth in the Port Kembla region and Wollongong area

The Port Kembla Power Station will promote industry diversification and further growth as a result of growing additional infrastructure (gas and electricity). This project will also contribute to the investment attractiveness, workforce diversification and skills-base of the Wollongong area in line with local government and community plans for the area.

Increased employment opportunities

We aim to increase employment opportunities in the Port Kembla region both during construction of the proposed infrastructure, as well as during its operation. The Port Kembla Power Station is estimated to provide approximately \$1.3 billion in capital investment, associated construction jobs (approximately 600-700) and ongoing jobs (estimated 25 - 35).

Stabilising electricity prices

The Port Kembla Power Station will deliver a new competitive source of electricity to the market, bringing downward pressure on wholesale and retail electricity prices.

Frequently asked questions

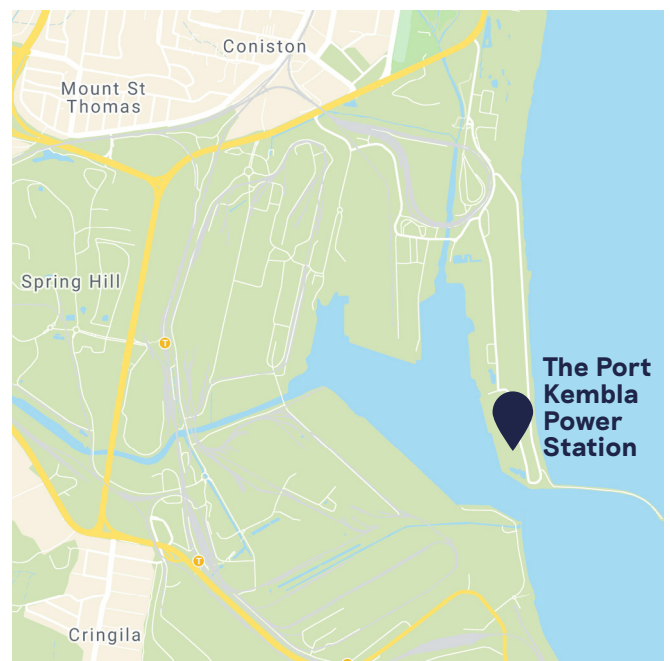
Why was Port Kembla chosen?

Port Kembla was selected following a detailed engineering assessment into potential locations in the Illawarra region and had the benefit of being near the new Port Kembla Energy Terminal. This terminal will supply natural gas to the power station to generate electricity for NSW in the initial phase.

The proposed location is also an existing industrial area, located over two kilometres from the nearest residential housing area and well away from the local airport.

Where will the power station be located?

The power station is proposed to be located at the Berth 101 site, immediately adjacent the Port Kembla Energy Terminal in the Inner Harbour of Port Kembla.



Where will the transmission lines be located?

At this early planning stage we have identified a number of potentially feasible alignments for the proposed transmission line, however the exact location of this new infrastructure is to be confirmed.