

# Newcastle Power Station Project

## Overview

AGL is one of Australia's leading integrated energy companies and largest ASX listed owner, operator and developer of renewable energy generation in Australia.

AGL proposes to construct and operate a dual fuel fast-start peaking power plant with a nominal capacity of 250 MW with gas pipelines, electricity transmissions lines, site access and associated ancillary facilities located off Old Punt Road in Tomago NSW.

The Newcastle power station forms part of AGL's strategy to introduce new electricity generating development to improve energy security and reliability.

This would represent a significant local investment of up to \$400 million, 300 jobs at the peak of construction and ongoing employment for approximately 23 operational and maintenance people.

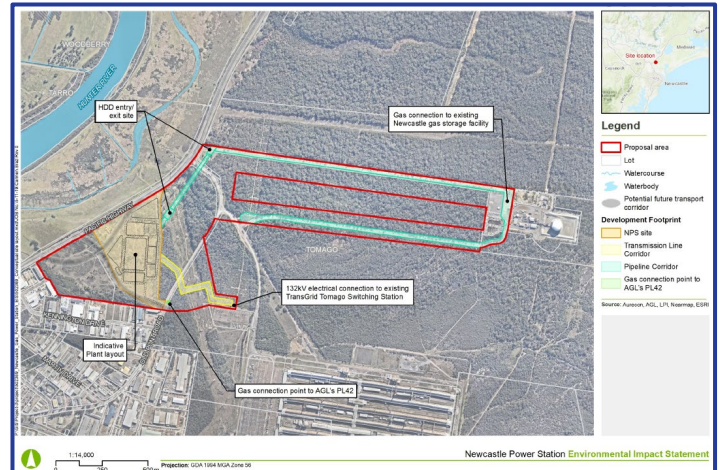
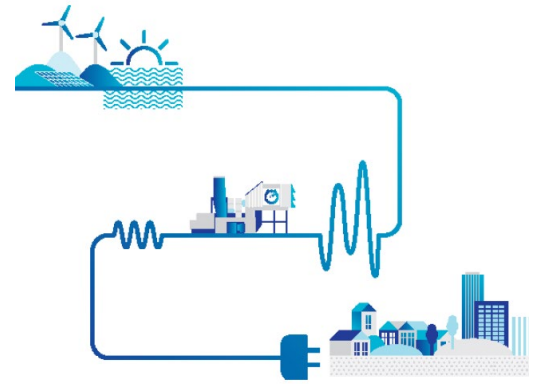
The power station is anticipated to be operational in 2022, following construction commencing in 2021.

### The Newcastle Power Station

The power station is intended to be operated as a peaking plant; however, it will be designed for continuous operation to maximise operational flexibility.

The power station would only be operated continuously if requisite circumstances arise in the National Energy Market (NEM).

The power station would be a fast start peaking plant with a capacity factor of around 14% during its initial years of operation, annual starts would range from approximately 50 to 200.



## Why is AGL proposing to build a gas-fired peaking power station?

- As the Australian energy industry adapts to a lower emissions future, coal-fired power stations across the country will eventually close. Older power stations are being replaced by a combination of renewable energy, batteries, pumped hydro storage and gas-fired plants that can provide flexible, fast start generation capable of delivering rapidly dispatchable peaking and firming capacity into the National Electricity Market.
- Fast start dispatchable generation complements renewables by providing back-up to wind and solar energy. They can respond quickly to peak demand and therefore, help improve the security of electricity supply.

### Site selection

- AGL investigated a number of potential locations in the Tomago area in NSW.
- A range of factors were considered for this purpose, including road access, environmental values, complexity of the terrain, the number of land parcels, landowners/leaseholders on and near the site, and current and future land use considerations.

## What is a gas-fired power station?

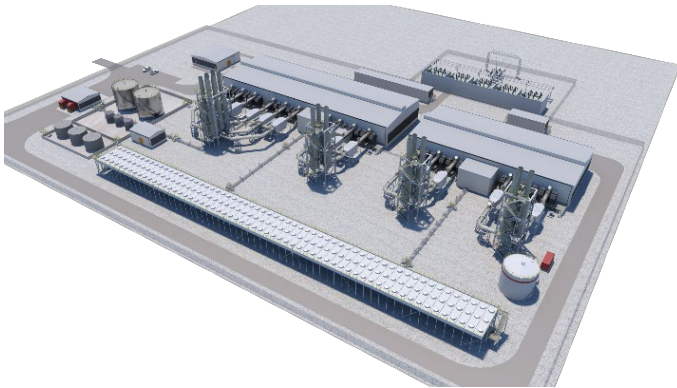
A gas-fired power station converts heat energy from the combustion of natural gas into electricity.

Key facts about the proposed power station:

- ~250MW new build power station
- Lower emissions than coal
- Flexible fast start gas turbine technology – to provide firming and peaking capacity
- Dual fuel – Primarily natural gas, supplemented by diesel (when required)

## Potential Gas-Fired Power Station Designs (technology not confirmed – artists impressions)

### Gas Engine



### Turbine



## Consultation

AGL has consulted extensively over the past 12 months with relevant State and Local government agencies as well as local residents, landowners and businesses that could potentially be affected by the project. AGL will continue to liaise with stakeholders and the local community.

AGL is committed to establishing a local community investment program that will be developed in consultation with the community.

## To know more

Please contact AGL on :

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