

TARONG POWER STATIONS



Type of energy
Thermal Coal-fired



Number of generating units

4 Tarong power stations

1 Tarong North Power Station



Registered capacity

1400 MWh

Tarong power stations

443 MWh

Tarong North Power Station



Commissioned

1984 - 1986

Tarong power stations

2003

Tarong North Power Station



Operation land size:

1,420 ha



Primary non-operational land use:

8,135 ha

Cattle grazing and conservation



Areas of significance:

5 ha

Tarong BESS

88 ha

Hoop pine plantation

34 ha

Cooling water dam

60 ha

Meandu Creek Dam

277 ha

Ash dam

Tarong is one of Australia's most efficient power stations, supplying around 20% of Queensland's energy needs, and celebrated 40 years of operation in 2024.

Technical details

Tarong is four X 350 MW unit power station and Tarong North is a single 443 MW advanced cycle coal-fired unit, which uses supercritical boiler technology, making it one of the most efficient fossil-fuel power stations in Australia. As of 2020, both stations operate from a central control room. The coal for these stations is sourced from the adjacent Meandu Mine, also owned by Stanwell, via a 1.5 kilometre conveyor.

Emissions controls

The supercritical boiler design increases efficiency and reduces emissions by using higher steam pressures and temperatures, which convert more of the heat energy from the coal into electrical energy. Low nitrogen oxide (NOx) burners, electrostatic precipitators, diligent monitoring and an efficient operating regime are some of the key environmental controls at the power station. Particulates including ash and dust emissions are managed within set limits by electrostatic precipitators. In 2019, a continuous emissions monitoring system (CEMS) was installed at both stations to more effectively monitor emissions.

Water source

Water is supplied to the Tarong power stations through a water allocation, owned by Stanwell, of approximately 29,5000 megalitres per annum from the Boondooma Dam.

The water is used for cooling at the power stations and is transported along the Tarong pipeline from Boondooma Dam via three pump stations along the 95 kilometre route.

A back up water supply agreement is in place with Seqwater in case of an unplanned event that disrupts the supply of water from Boondooma Dam.

Employees



283 Total Employees

23 Apprentices

4 Trainees

13 Contractors

As at February 2025

Future plans

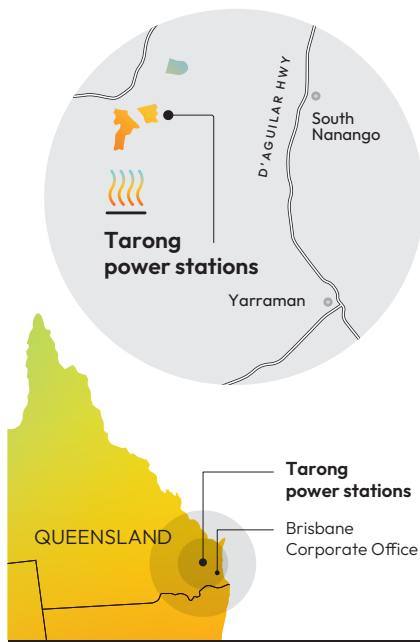


Tarong Battery Energy Storage System

Under construction

Site Location

45km south east of Kingaroy in the South Burnett region, Southern Queensland



About Stanwell

Stanwell is Queensland's leading provider of electricity and energy solutions to the National Electricity Market, and large energy users along the eastern seaboard of Australia.

With over 40 years of continuous operations, Stanwell maintains a reliable supply of power from two of the most efficient and reliable coal-fired power stations in Australia – the Tarong power stations near Kingaroy and Stanwell Power Station near Rockhampton.

Stanwell's experience in working with communities to build, operate and maintain reliable energy generation assets like our coal-fired power stations is also being applied to building a diverse portfolio including renewable generation, storage, and firming to deliver Queensland's future energy needs.

Stanwell acknowledges the traditions and cultures of First Nations people, and recognises their continuing connection to land, water and community where we live and work. We respect and honour their Elders, past, present and emerging, and we commit to providing the spark for a bright future together.

Community benefit programs

At Stanwell, we deeply value the communities we operate in and we know our ability to operate relies on the support of the people who live near our energy assets.

Our teams at Tarong power stations are not just here to generate energy, we're here to generate long-term benefits for our host communities and enhance their social, economic and environmental outcomes.

Through our community grants programs, we invest in the people and projects that shape our communities. From supporting local schools and non-profits to funding innovative sustainability initiatives, we're committed to positively impacting the lives of those around us.

We work closely with community leaders to understand the needs of our

host communities and provide funding across four focus areas:

- Sustainable communities (initiatives that improve environmental outcomes)
- Connected communities (initiatives that focus on social connectivity)
- Healthy communities (initiatives that enhance the well-being of community members)
- Resilient communities (initiatives that drive long-term economic and social benefits)

Support is available through the Community Partnership Fund and the Community Sponsorship Program. For more information on funding available, visit www.stanwell.com/community

Site Manager



Michael (Mick) Joy

Tarong power stations, General Manager, Southern Generation

Mick Joy is the General Manager of Southern Generation for Stanwell Corporation based at Tarong Power Stations and boasts a 25-year career in Queensland's energy industry.

While he started his career at Tarong power stations in 1997 as a vacation student, it has grown to encompass numerous operational and health and safety management roles in various power stations across Queensland.

Today, Mick is passionate about Tarong power stations and its place in the South Burnett community. As General Manager he is committed to leading his team in the transformation to renewable energy and helping to realise the mutual benefits this will bring for Stanwell, its people and its communities.

Stakeholder Engagement



John Carey

Stakeholder Engagement Manager, Southern Region

With over 17 years of service at Stanwell and prior experience in local government and the finance sector, John brings deep cross sector expertise and skills to leadership of the southern Queensland stakeholder engagement team. He is experienced in building authentic and genuine relationships with diverse stakeholders with a strong focus on engaging Traditional Owners and First Nations communities in ways that honour culture and support shared goals. An active local champion, John is also Deputy Chair of Red Earth Community Foundation and a South Burnett representative for Regional Development Australia.

Contact John and the team via email at southernengagements@stanwell.com



Find out more,
scan the QR code

