

STANWELL POWER STATION



1460 MW
Registered capacity



Type of energy
Thermal Coal-fired



4 Number of generating units



Commissioned
1993-1996



Operation land size:
450 ha
approximately 630 football fields



Primary non-operational land use:
2,130 ha
Cattle grazing and conservation



Areas of significance:
634 ha Nature refuge

35 ha FEITH

12 ha Stanwell BESS

35 ha Raw water dam

144 ha Ash storage area

Stanwell Power Station is recognised as one of the most efficient and reliable generators in Australia, achieving 99.7% reliability in 2023.

Technical details

Stanwell Power Station is one of Stanwell's major operating sites and, at the time of construction, was one of the largest industrial developments undertaken in Queensland. The site is located on 1600 hectares of land and is highly automated, achieving high asset performance through the application of innovative technology and organisation design.

The station's boilers burn low sulphur black coal sourced from Coronado Curragh Mine and is one of the most efficient conventional coal-fired power stations in Australia, keeping emissions to a minimum.

Emissions controls

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

Stanwell Power Station sources water from the Fitzroy River with a water allocation held within the Sunwater Eden Bann Weir. The annual water allocation is approximately 24,000 ML. Historically Stanwell Power Station has drawn down on average 19,000 ML of the annual contracted volume (related to generation volumes).

Employees



240 Total Employees

22 Apprentices

3 Trainees

12 Contractors

As at February 2025

Future plans

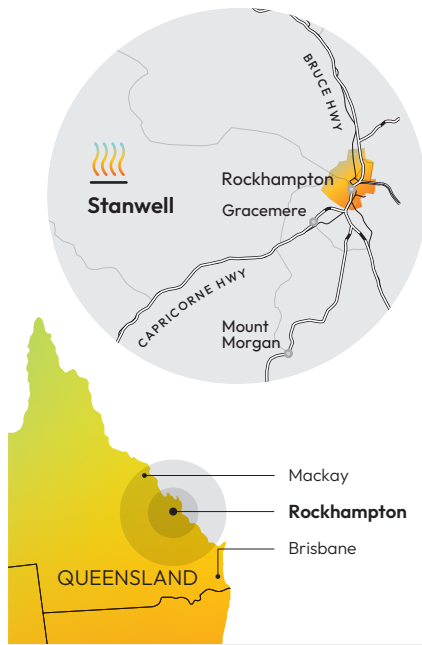


Stanwell Battery Energy Storage System
Under construction



Future Energy Innovation and Training Hub
In development

Site Location



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 is also being applied to the shift to renewable energy, as we work on a pipeline of renewable energy and storage projects throughout Queensland.

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 Stanwell Power Station 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)
- Healthy communities (initiatives that enhance the well-being of community members)
- Connected communities (initiatives that focus on social connectivity)
- 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



Angie Zahara

Stanwell Power Station, Site Manager

Angie Zahara's career spans over three decades in Queensland's energy industry, commencing in 1992 as Chemical Technician at Stanwell Power Station during the final days of Unit 1 construction.

Since then, Angie has amassed 32 years of experience at Stanwell across both operational and leadership roles. Today, she leads Stanwell Power Station and its 170 team members, as General Manager of Central Generation.

As an active community member in the Central Queensland region, Angie is committed to ensuring Stanwell continues to deliver secure, reliable energy for Queensland and mutual benefits for the community as Stanwell Power Station transitions to become a clean energy hub.

Stakeholder Engagement



Emily Raguse

Stakeholder Engagement Manager

Emily has been with Stanwell since 2014 and is the manager of stakeholder engagement for Central Queensland with a team of dedicated individuals working with neighbouring communities, and interested parties around this site.

Contact Emily and the team via email at centralengagements@stanwell.com

