



Tailem

Power Precinct

An early conceptual render of the Project

Why this Project matters?

South Australia's electricity grid is changing fast. As more wind and solar come online, the grid needs firming assets such as batteries and gas power stations that can switch on quickly when the sun isn't shining or the wind isn't blowing. Without it, power prices can spike and electricity supply can become unreliable.

That's why we are developing the Tailem Power Precinct. It is designed to provide fast, flexible power when the grid needs it most.

What is the Project?

LD Energy is proposing to build a 200MW natural gas turbine power station near Tailem Bend. The Project will connect to the existing ElectraNet HV transmission network and be supplied by the existing gas pipeline.

The power station will use the latest, high efficiency gas generators with the final technology selection underway. These generators can start within 5 minutes to deliver power to the grid when it's needed most.

The power station won't run all the time. Based on modelling, it's expected to operate around 8 to 10% of the year on average, stepping in during high demand or when renewable output is low. At most, it may run up to 20% of the year.

What the Project aims to achieve?

The Project has three main goals:

1. To provide over 200MW of backup power to South Australia's grid by late 2028.
2. To increase competition in the SA energy market, which is designed to keep power prices in check for households and businesses.
3. To support the local region through jobs during construction, local purchasing, and investment in community initiatives.

The Project is aligned with State government policy, which recognises that reliable backup power is essential as South Australia moves toward more renewable energy.

What happens next?

If approvals are granted, early construction works are expected to start in early 2027, with the station operational by late 2028 and is planned to operate for 25 years.

Planning and environmental approvals are the next major step, alongside detailed engineering work to finalise the site layout.

Location



A state-wide assessment was carried out to find the best site for the power station. A site near Tailem Bend, about 100km south-east of Adelaide, was selected.

The land is flat and already hosts a mix of uses, including farming, electricity generation and the Bend Motorsport Park.

The site sits alongside the key infrastructure the project needs: the SEA Gas natural gas pipeline and ElectraNet's HV transmission lines. The Princes Highway also provides straightforward access for construction traffic.

SA Planning Pathway

The Project will be assessed under the **Planning, Development and Infrastructure Act 2016 (PDI Act)** as **“Essential Infrastructure”**

- 1 ✓ Site selection and preliminary investigations
- 2 Initial concept, community consultation and pre-lodgement discussions
- 3 Submit request for sponsorship under the Planning Act
- 4 Prepare for lodgment including the following technical studies:
 - Noise
 - Visual Impact
 - Traffic Management
 - Air Emission
 - Ecology Assessment
 - Hydrology
 - Air Quality
 - Aboriginal and Historic Heritage
 - Bushfire
 - Access
- 5 Submit the Development application to the State Planning Commission
- 6 Council and agency referrals
4-6 weeks
- 7 Public notification
Minimum 15 business days
- 8 Assessment
2-4 weeks
- 9 SCAP Hearing (if required)
- 10 Decision by the Minister for Planning



The indicative conceptual design for the power station

Plan for Q2 2026


Q2 2026 is focused on listening to the community and doing the groundwork to make sure the project is designed well. We will be speaking with residents and landholders to understand any concerns, while also kicking off technical studies covering noise, air emissions, traffic management, hydrology, bushfire, heritage, visual impact and ecology.

These studies help us understand the local environment and make sure any impacts are identified early and kept to a minimum. The findings will directly shape how the project is designed and built.

The goal is to be open and transparent every step of the way, so that by the time construction starts in early 2027, the community can feel confident the project has been done properly.


Do you have feedback?

We will get in touch within 24 hours.

 tailem@ldenergy.com.au

Frequently Asked Questions

We have a list of FAQs on our website. If you have more questions or feedback, we'd love to hear from you.

 tailempowerprecinct.com.au