Tungkillo Compute and Energy Hub
Community Fact Sheet

About the proposal

Quantum DC is seeking approval to build the Tungkillo Compute and Energy Hub. It is proposed to be constructed at 312 Collins Road, Tungkillo.

The proposal includes:

- A hyperscale data centre, consisting of three separate buildings and water storage tanks.
- Two new substations and electrical infrastructure connecting to the existing ElectraNet 275 kV transmission line that crosses the site.
- On-site gas-fired generation (gas turbines) to firm the hub's own power supply.

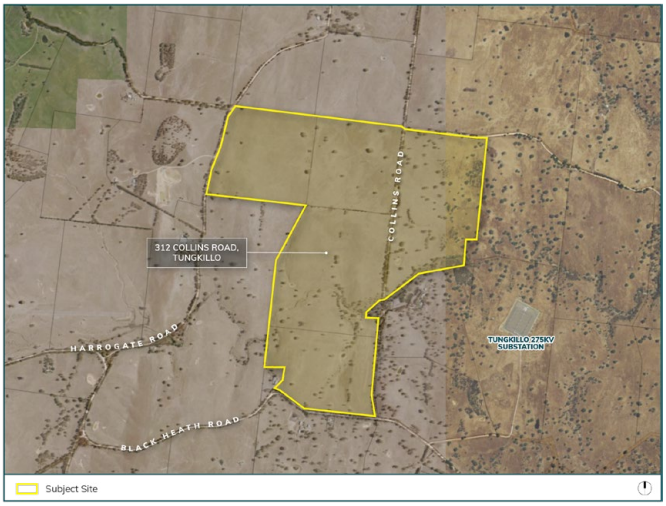
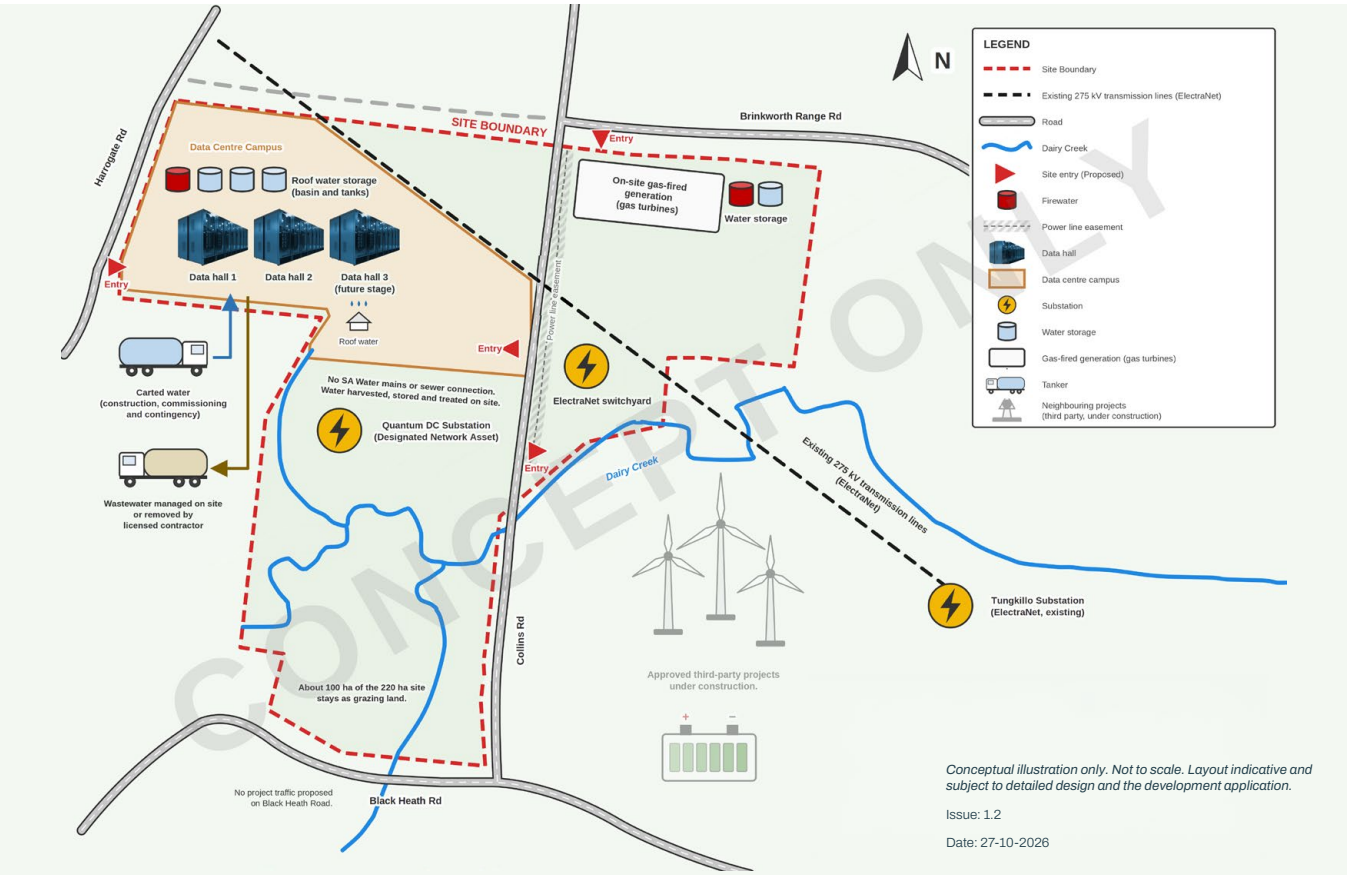


Figure 1: Proposed location

Figure 2: Conceptual illustration only and not to scale. The layout is indicative and subject to detailed design and the development application.



What is a data centre?

A data centre is a highly secure facility that stores and processes digital information. Data centres support services that people and businesses use every day, including:

- Cloud computing and online communications
- Banking and financial services
- Artificial intelligence and digital technologies
- Business data storage and cybersecurity

Why is this project being proposed?

Demand for digital services and data storage is growing rapidly across Australia and internationally.

The proposed facility is intended to support South Australia's digital infrastructure, strengthen our data storage and computing capacity as well as attract investment to the region.

What assessments will be undertaken?

Before any decision is made, specialist studies will assess potential impacts and identify ways to avoid, reduce or manage them.

Areas to be assessed include:

- Traffic and road impacts
- Noise and vibration
- Air quality and emissions
- Water and stormwater management
- Native vegetation and biodiversity
- Aboriginal cultural heritage
- Bushfire risk and emergency management plans
- Visual impacts and landscape character.

How will the project be assessed?

Quantum DC intends to apply to the Department of State Development for Crown Sponsorship of the project. If sponsorship is granted, the application would be assessed under the Crown development and essential infrastructure provisions of South Australia's planning system.

As part of this process, there is a public notification period of at least 15 business days, during which the community will have an opportunity to consider the development application and make written submissions.

The State Commission Assessment Panel (SCAP) will then review the proposal and the feedback received. It will provide advice to the Minister for Planning who will make the final decision.

How can the community have a say?

We are undertaking early engagement with key stakeholders and the community to share information about the proposal and provide an opportunity to speak with the project team before a development application is lodged.

We invite you to attend a community information session at one of the following dates/times:

10.00am – 12 noon, Friday 20 November 2026

11.00am – 1.00pm, Saturday 21 November 2026

2.00pm - 4.00pm, Saturday 21 November 2026

Mannum Leisure Centre,
51 Adelaide Road, Mannum

More information:

Visit **quantumdc.com.au**

Water and power

The hub has been designed to minimise ongoing water use, with closed-loop cooling that recirculates water rather than consuming it. Rainwater harvested from the building roofs will be stored and treated on site as an important source of water for commissioning and operations, supplemented where needed by water delivered by commercial water carriers. A permanent connection to SA Water's mains is not proposed, and the project does not propose to take water directly from the River Murray or to buy water allocations from local irrigators.

Construction and commissioning water supply arrangements are still being confirmed. The hub will have its own on-site generation and will contract new renewable energy supply, so that it adds to South Australia's electricity supply rather than drawing on the supply that homes and businesses rely on.