

Marsden Park data centre



Project update

October 2026

CDC is an Australian company that has built and operated data centres across Australia and New Zealand for over 19 years. We are building a new data centre within Marsden Park industrial precinct on Hollinsworth Road.

A data centre is a building that houses powerful computers called servers. These servers store, process and manage the digital information behind everyday services, including online banking, shopping, government services and emergency systems.

The Marsden Park data centre will help meet growing demand for digital infrastructure and offer local, secure data capacity to support government and essential services in Western Sydney and beyond.

The project includes:

- Five four-storey buildings and one two-storey building
- A dedicated electrical substation on Hollinsworth Road
- An internal road network with on-site car parking
- Landscaping, to improve public amenity
- Electrical upgrades to support the data centre campus, providing additional grid capacity for the whole precinct

We are seeking an amendment to the plans to allow us to make more efficient use of the site. The proposed amendment won't change the footprint of the data centre.



Proposed amendment to Marsden Park data centre

NSW Government approved the State Significant Development Application in late 2025. We are preparing an application to increase site capacity from 504 megawatts to 743.5 megawatts, which will make more efficient use of the site and better support our customers. Because of technology advancements, we can achieve this increase in capacity without making the data centre footprint larger.



Artist's impression of CDC's Marsden Park data centre



Artist's impression of CDC's Marsden Park data centre

Why are the plans changing?

CDC's customers include governments, essential services, financial institutes and other mission-critical providers. These customers tell us they will need access to more data centre capacity in the future to allow them to deliver their vital services to the Australian community.

Additionally, as technology evolves, the equipment used to store more information in data centres becomes smaller and more efficient. This means we can use the same floor space to deliver greater capacity by using the more efficient equipment.

Essentially, the amendment allows us to meet demand from our mission-critical customers by increasing the capacity of the data centre while retaining the same footprint.

What does this mean?

Construction of the data centre will continue as scheduled. The data centre campus will keep the same footprint but there will be some design changes, including:

- Additional diesel generators to support the new capacity. Once the data centre is operational, diesel generators will only be used during mandatory testing or in the extremely rare case of an emergency.
- Additional chillers and roof plant to support new capacity. Acoustic screening heights will be adjusted, altering building heights – which will affect the way the data centre looks from some angles.



Artist's impression of CDC's Marsden Park data centre



How will the amendment affect noise?

We understand that noise is an important consideration for the local community and have made it a key focus in the design process. The proposed amendment won't increase the noise levels of the data centre when it is operating.

The proposal includes additional acoustic screening and other noise-control measures. Technical assessments will evaluate potential noise impacts at nearby residences, including Stockholm Avenue, and the facility will be required to comply with the applicable noise criteria. Operational noise monitoring will also be undertaken in accordance with approval requirements to ensure levels stay within approved limits and that the facility continues to operate responsibly in the community.



How will the amendment affect water use?

While the amendment will increase the initial amount of water we need to fill the cooling system, our water use will remain very low as we won't lose any of that water during the cooling process.

Some data centres use evaporative cooling systems that release water into the atmosphere as part of the cooling process. Large facilities can lose hundreds of thousands of litres of water each day and must continually replace it.

CDC uses a closed-loop cooling technology that reuses the same water over and over. We fill the system once at the end of the construction stage and then the water recirculates continuously for the life of the data centre. We also install rainwater tanks at our sites to provide water for things that all office buildings need, such as bathrooms, kitchen and landscaping.



How will the amendment affect electricity?

The amendment won't have any impact on residential electricity supply or prices.

CDC pays for our own electricity connections and any infrastructure upgrades that are needed now and in the future. We are working closely with Transgrid to upgrade supply in Marsden Park as part of the amendment. We will continue to ensure our connection benefits, rather than burdens, the wider community.



How will the amendment affect building heights?

The overall size of the data centre will remain within the approved footprint, though the proposed acoustic screening changes will alter the height profile of some buildings. The changes may be more noticeable from locations South of the site, including parts of Hassall Grove. Updated visual material will be included with the modification application to show the proposed development from surrounding viewpoints.

Timeline for the amendment

This timeline outlines the key milestones in the amendment process. You can view a broader timeline of the Marsden Park data centre construction at www.cdc.com/marsdenpark

2026

September and October 2026:

CDC engages with local community for early feedback

October 2026:

CDC lodges Modification Application

Late 2026:

NSW Government will place the Modification Application on exhibition. You will be able to make a formal submission on the plans.

2027

Mid 2027:

Anticipated determination



Listening to the community

We believe in being open, transparent and connected with the communities where we operate. We are committed to action when we know what the community needs and how we can support them.

For example, we are delivering an upgrade to the driveway and carpark for the Mosque operated by the Ahmadiyya Muslim Association (AMA), which neighbours our data centre site at Marsden Park. The works will improve the safety, capacity, usability and presentation of the driveway and carpark for the Mosque, its members and visitors.

We will continue to listen to local feedback, share updates on progress and work in collaboration with the Marsden Park community as the project develops.



Contact

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Provide your feedback

We have developed an optional online survey so you can provide us with feedback on the proposed amendment. Please use the QR code below to access the survey. Your feedback will help us understand your questions and address concerns or potential impacts.