

Australia / Site / Published revision 1

CDC Marsden Park Campus

504 MW · Facility power

Approved SSD-70889211 campus

Also known as: Marsden Park Data Centre

Development status: under construction, planned

CDC-owned Sydney campus under construction at Marsden Park. The approved development reports 504 MW; an October 2026 modification proposal seeks 743.5 MW. Neither figure establishes operational load. Building configuration and power basis require reconciliation.

Last researched: 2026-10-09 | Last verified: Not independently verified

Tracked dataset only. Unknown values are not zero. Evidence dates and measurement definitions must be considered when comparing sites.

Site photographs

No approved property photo available.

Site profile

Field	Published information
Operator	CDC Data Centres [2] [4]
Owner	CDC [2]
Business model	unknown
Scale	hyperscale [7]
Country	Australia [4] [7]
State / region	New South Wales [3] [7]
Metro area	Sydney [1] [7]
City / locality	Marsden Park [5] [6]
Address	105-113 Hollinsworth Road, Marsden Park NSW 2765, Australia [5] [6]
Coordinates	Unknown · unknown precision. Street address and cadastral lots established by planning evidence; no sourced property coordinate established.
Parent	Not assigned

Capacity evidence

Do not add these claims together. IT load, facility power, grid connection and unspecified power are different measurements. Cumulative and incremental scopes remain separate.

Measurement	Development scope	Evidence / accounting
504 MW IT load	Whole Marsden Park campus announced in 2024 planned · cumulative	[4] reported · 2024-10-25 Excluded from totals. Announcement date; operator explicitly calls this ICT capacity. Not commissioned load.
504 MW Facility power	Approved SSD-70889211 campus planned · cumulative	[3] conflicting · 2025-11-27 Excluded from totals. Planning determination date; portal calls this power consumption. Relationship to operator ICT figure unresolved.
720 MW Grid connection	Substation associated with SSD-70889211 planned · unclear	[3] reported · 2025-11-27 Excluded from totals. Determination date; reported substation capacity, not IT load or proof of energized connection.
>504 MW Unspecified power	Marsden Park campus planned capacity planned · cumulative	[1] conflicting · 2026-10-09 Excluded from totals. Retrieval date of undated operator page; says over 504 MW, unlike the exact approved figure.
≈1000 MW Unspecified power	Potential ultimate Marsden Park campus scalability planned · cumulative	[1] reported · 2026-10-09 Excluded from totals. Retrieval date; one gigawatt converted to MW. Scalability towards this figure is an aspiration, not approved or operational capacity.
743.5 MW Unspecified power	Proposed modified whole-campus capacity planned · cumulative	[8] reported · 2026-10-09 Excluded from totals. Retrieval date of October 2026 update; application being prepared. Replaces proposed total of 504 MW rather than adding 743.5 MW; approval not established.
5 MW Unspecified power	Initial facility approved under DA-24-00542 planned · unclear	[5] reported · 2024-11-14 Excluded from totals. Local approval date; inclusion within or overlap with SSD campus capacity is unresolved. Do not add to campus totals.

Development timeline

2024-10-25 · actual ceremonial groundbreaking · Campus sod-turning

CDC announced ceremonial commencement following initial approvals; distinct from subsequent main campus consent. [4]

2024-11-14 · actual approval · Initial 5 MW facility approved

Local development approval DA-24-00542. [5]

2025-11-27 · actual approval · Main campus approved

SSD-70889211 determination recorded as approved. [3]

2026-10 · announcement of proposed modification · 743.5 MW capacity proposal

CDC update describes preparation of modification application; anticipated determination mid-2027. [8]

2027-09 to 2029-12 · planned commissioning and handover · Staged campus handovers

Operator schedule; does not establish completed commissioning. [2]

Disclosed specifications

Land area: Approximately 20.91 hectares

2024 assessment title area; not building floor area. [6]

Cadastral identification: Lots 10 and 11 DP 1262052

Planning assessment property identification. [6]

Building configuration: Five four-storey buildings and one two-storey building

Current operator description differs from planning portal's six four-storey buildings; final approved configuration unresolved. [2]

Cooling: Closed-loop recirculating water cooling

Operator-described design, not measured operational performance. [8]

Water efficiency target: WUE 0.01 L/kWh

Government-reported design target; not achieved operating result. [7]

Energy: Planned renewable energy sourcing

Government describes ambition to reduce development greenhouse emissions by up to 99% by 2030; not evidence of achieved reductions. [7]

Modification infrastructure: Additional diesel generators, chillers and roof plant; supply upgrades coordinated with Transgrid

Proposed modification scope. [8]

Public project contact: marsdenparkcommunications@cdc.com; 1300 232 232

Published project contact; no contact made. [8]

Research gaps

- Property coordinates and Google Maps place identity
- Operational IT load and commissioned capacity
- Approval and final design of proposed 743.5 MW modification
- Relationship of initial 5 MW approval to campus totals
- Legal property-owning entity
- Business model and public tenants
- Building area, racks, density, connectivity and site-specific certifications

Sources and field evidence

Attribution does not establish independent verification or permission to reuse images. URLs refer to public evidence.

[1] Sydney | CDC Data Centres

<https://www.cdc.com.au/locations/sydney-and-regional-nsw/>

Published: Unknown · Retrieved: 2026-10-09

Identifies Marsden Park as CDC's second Sydney campus, in early construction, with over 504 MW planned capacity and scalability towards one gigawatt.

[2] Marsden Park | CDC

<https://www.cdc.com.au/locations/sydney-and-regional-nsw/marsden-park/>

Published: Unknown · Retrieved: 2026-10-09

Identifies Hollinsworth Road project on land owned by CDC; describes five four-storey buildings and one two-storey building, staged construction and planned handover through December 2029.

[3] Marsden Park Data Centre | NSW Planning Portal

<https://www.planningportal.nsw.gov.au/major-projects/projects/marsden-park-data-centre>

Published: Unknown · Retrieved: 2026-10-09

SSD-70889211 approved 27 November 2025; describes 504 MW power consumption, six four-storey buildings and a 720 MW substation.

[4] CDC Data Centres Breaks Ground on New State-of-the-Art Data Centre Development in Marsden Park Industrial Precinct

<https://cdc.com.au/resources/news/cdc-data-centres-breaks-ground-on-new-state-of-the-art-data-centre-development-in-marsden-park-industrial-precinct/>

Published: 2024-10-25 · Retrieved: 2026-10-09

Dated ceremonial groundbreaking announcement identifies Sydney, Australia and describes 504 MW ICT capacity with six buildings.

[5] Canberra Data Centre | NSW Planning Portal

<https://www.planningportal.nsw.gov.au/planning-panel/canberra-data-centre>

Published: Unknown · Retrieved: 2026-10-09

DA-24-00542 / PPSSCC-562 at 105 and 113 Hollinsworth Road approved 14 November 2024 for a 5 MW facility.

[6] Marsden Park Data Centre: Social Impact Assessment

<https://majorprojects.planningportal.nsw.gov.au/prweb/PRRestService/mp/01/getContent?AttachRef=SSD-70889211%2120241104T033919.365+GMT>

Published: 2024-11-01 · Retrieved: 2026-10-09

Astrolabe assessment identifies 105 and 113 Hollinsworth Road, Blacktown LGA, Lots 10 and 11 DP 1262052, approximately 20.91 hectares; describes proposed 504 MW consumption and 720 MW substation.

[7] Southern Hemisphere's biggest data centre gets the green light | NSW Government

<https://www.nsw.gov.au/ministerial-releases/southern-hemispheres-biggest-data-centre-gets-green-light>

Published: 2025-11-28 · Retrieved: 2026-10-09

Government approval announcement identifies Marsden Park in north-west Sydney, Australia; describes hyperscale development, renewable energy plans and target WUE of 0.01 L/kWh.

[8] CDC Marsden Park Project Update — October 2026

<https://www.cdc.com.au/media/rech42qj/cdc-marsden-park-project-update-oct-2026.pdf>

Published: Unknown · Retrieved: 2026-10-09

Document explicitly dated October 2026, without a publication day. CDC is preparing a modification to increase capacity from 504 to 743.5 MW within the same footprint; anticipated determination mid-2027. Describes additional generators/chillers and work with Transgrid.

Name: [1]
Aliases: [3]
Kind: [1] [8]
Country: [4] [7]
Region: [3] [7]
City: [5] [6]
Metro: [1] [7]
Address: [5] [6]
Operator: [2] [4]
Owner: [2]
Scale: [7]
Statuses: [1] [2] [8]
Summary: [1] [3] [8]
Location: [5] [6]
Stable identifier: 50850500-7aa0-4f46-bd7c-d4522f1e8d7b