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ASX:14D

14D PLANS ELECTRIC VEHICLE (EV) CHARGING & FAST-TRACKS MODULAR DATA CENTRES

Commercialisation plans for 14D's Aurora Energy Precinct extended to include EV charging and power supply for modular data centres

Key Highlights

- 33kV distribution power on precinct's western boundary should enable faster, lower-capital route to commercialisation ahead of full 275kV transmission connection on the eastern boundary
- Early application potential includes EV charging infrastructure for heavy transport fleets on the Stuart Highway from Olympic Dam and power supply for modular data centre developments
- The Company is negotiating power and land packages with a modular data centre proponent to underpin development of Aurora's behind the meter photovoltaic and battery systems
- Growing freight electrification is fuelling the demand for EV charging infrastructure, which could be integrated with Aurora's renewable generation from PV and battery energy storage systems
- Global electric truck sales more than doubled in 2025, surpassing 400,000 units and accounting for 9% of all new truck sales worldwide - up from around 2% in 2024¹
- Recent federal initiatives include a A\$70 million Clean Energy Finance Corporation (CEFC) financing package to accelerate deployment of Australian-made Volvo electric trucks, alongside support for charging infrastructure². The Aurora Energy Precinct is poised to benefit from this growing trend and aligns with government EV policy.
- Aurora's existing transmission, distribution, telecommunications and water access plans provide flexibility for a range of future commercial energy developments, with particular suitability for data centres and mining / industrial developments
- Major AI infrastructure companies, including Anthropic, have publicly indicated requirements for 500 MW-plus sites in Australia, boding extremely well for Aurora's commercial prospects
- Commercial negotiations progressing with BHP under the Hill-to-Hill (H2H) term sheet and with ElectraNet for the substation and Transmission Connection Agreement
- 1414 Degrees continues to advance opportunities to maximise the commercial value of Aurora's strategic location, infrastructure advantages and development-ready landholding

¹ <https://www.iea.org/reports/global-ev-outlook-2026/trends-in-other-ev-modes>

² <https://www.energy.gov.au/news/accelerating-electrification-australias-trucking-fleet>

1414 Degrees Ltd (ASX: 14D) ("1414 Degrees" the "Company") advises it is advancing a 33kV connection pathway at the Aurora Energy Precinct (Aurora) to enable faster, lower-capital commercialisation of parts of the site, ahead of full build-out of Aurora's 275kV transmission connection.

An early revenue pathway ahead of full transmission build-out

Aurora's development plan to date has centred on its 275kV transmission connection, which is being progressed to support grid-scale battery storage, renewable generation and industrial-scale customers. The Company has identified that its 33kV distribution infrastructure, along the western boundary, offers a complementary, lower-capital pathway that could bring parts of the precinct into commercial use earlier, without waiting for the larger transmission-connected development to reach full scale. Two early uses have been identified, and the Company is pursuing these potential opportunities in parallel with its other businesses, including the Aerospace & Aviation Division (which is commercialising 14D's SiNTL™ battery technology into the drone, UAV and space satellite sectors) and its other energy storage solutions.

EV charging for heavy transport

The first identified use for the 33 kV pathway is EV charging infrastructure for heavy transport fleets operating the Stuart Highway corridor, including traffic linked to Olympic Dam. The Stuart Highway corridor runs approximately 2,700 kilometres from Darwin in the Northern Territory to Port Augusta in South Australia, serving as a critical artery for heavy transport, mining logistics and national supply chains.

Reliable and convenient charging infrastructure for heavy electric vehicles along this route is critical to support the growing electrification of Australia's freight sector. Government policy, commercial and consumer uptake is increasing demand for this kind of infrastructure. As mining, logistics and industrial operators increasingly evaluate electric fleet options, strategically located charging infrastructure could become an important enabler of fleet transition, particularly where supported by co-located renewable generation and battery storage.

Modular data centre negotiations

The second identified use is power supply for modular data centres, an emerging category of smaller, quickly deployable (often prefabricated) data centre infrastructure suited to distribution-scale connections.

Data centres require continuous, high-quality electricity 24 hours a day to power computing equipment and prevent overheating. Unlike many industrial facilities, large data centres are designed to operate almost constantly with minimal interruption.

Global data centre electricity consumption is becoming one of the fastest-growing sources of electricity demand, driven primarily by artificial intelligence (AI), cloud computing, streaming, and digital services.

The global AI revolution is creating a structural long-term surge in electricity demand, with data centres expected to more than double their power consumption from approximately 415 TWh today to 945 TWh by 2030³. Driven by rapid AI adoption, hyperscale computing and cloud infrastructure expansion, data centres are emerging as one of the world's fastest-growing electricity demand sectors.

³ <https://www.iea.org/reports/energy-and-ai/energy-demand-from-ai>

The Company is negotiating with a modular data centre proponent for potential power and land packages at Aurora, which could underpin development of the approved behind-the-meter photovoltaic generation and battery systems at the site.

The advantage of modular data centres is faster deployment, scalability and efficiency - not lower power consumption. The overall electricity demand is driven by the IT equipment (especially AI GPUs), rather than the building method.

Lower-cost staged infrastructure pathway

The 33kV pathway provides a practical and staged route to early commercial activity, using distribution-scale infrastructure rather than relying solely on the larger transmission-connected development. This approach has the potential to reduce upfront capital requirements, provide a quicker path to connection and revenue, and shorten development timelines, while continuing to complement rather than replace Aurora's broader transmission-connected vision.

Integrated renewable generation and storage potential

The integration of photovoltaic generation, battery energy storage and distribution infrastructure is expected to support a scalable energy model that can be expanded in line with customer requirements. This staged model provides flexibility for Aurora to support

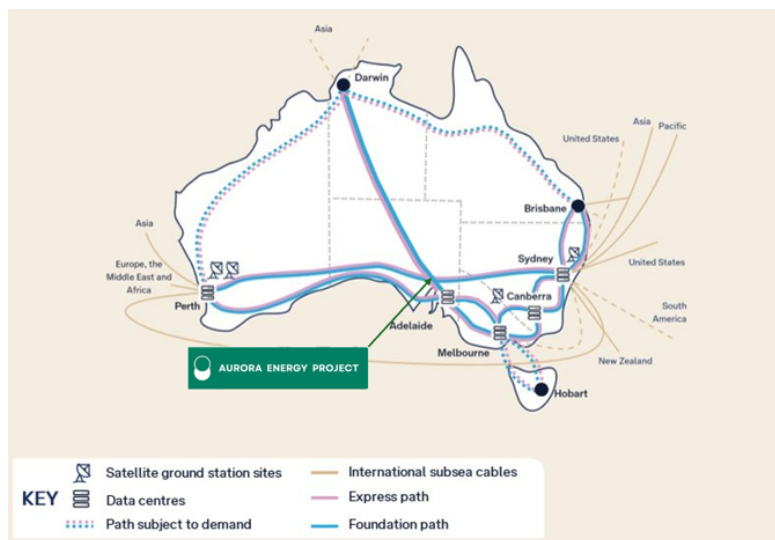
transport electrification, data centre demand, industrial energy users and future grid-connected storage opportunities from a common energy platform. The Company has estimated that a fully developed Aurora Energy Precinct with the 275 kV transmission connection could supply a gigawatt (1 GW) or more of renewable power with energy storage.



Pictured: Conceptual rendering of the approved Aurora BESS and renewable generation

Existing infrastructure advantages

Aurora's existing infrastructure, including transmission, distribution, telecommunications and water access, provides a strong foundation for a range of commercial energy developments. Combined with its strategic location and development-ready landholding, these infrastructure advantages position Aurora as a flexible multi-use precinct capable of supporting renewable energy projects, energy storage assets, industrial customers and electrified transport infrastructure.



Executive Chairman Dr Kevin Moriarty said:

"Aurora is more than a grid scale battery project. The presence of distribution power infrastructure alongside transmission lines creates opportunities to stage development and pursue commercial projects that can be delivered more quickly and at lower capital cost."

"The emergence of heavy vehicle electrification and modular data centres presents new opportunities to leverage Aurora's location, infrastructure and renewable energy potential, while continuing to progress larger-scale developments across the precinct."

Aurora's access to transmission, distribution, telecommunications and water, provides a foundation for a range of future commercial energy developments. 1414 Degrees continues to advance opportunities to maximise the commercial value of Aurora's location, infrastructure and development-ready landholding."

AUTHORISED BY:

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ABOUT 1414 DEGREES LIMITED

1414 Degrees (ASX:14D) is advancing an integrated clean-energy and industrial decarbonisation platform spanning grid-scale storage, industrial heat, hydrogen and advanced battery materials.

The Company's strategy combines near-term infrastructure revenue with scalable technology commercialisation, underpinned by deep expertise in energy-dense silicon systems and materials engineering. 1414 Degrees owns the Aurora Energy Precinct in South Australia, a development-ready energy and industrial site spanning 16km² within the Upper Spencer Gulf Renewable Energy Zone. Aurora is designed for firm renewable electricity and co-located high-demand users, with grid access, development approvals and proximity to fibre infrastructure supporting global connectivity. The site is strategically positioned to support data centre operators and other energy-intensive

industries requiring reliable, low-emissions power at scale. The Stage 1 140 MW / 280 MWh Battery Energy Storage System (BESS) represents a near-term revenue opportunity, with expansion potential aligned to customer demand.

Core Platforms:

SiBrick®: Silicon-based thermal energy storage media forming the foundation of the Company's long-duration energy storage systems.

SiBox® (Industrial Heat-as-a-Service): Long duration energy storage technology that converts low-cost renewable electricity into dispatchable high-temperature heat, supporting industrial decarbonisation across energy-intensive sectors.

SiPhyR®: A silicon-based methane pyrolysis reactor integrating thermal storage to produce low-emissions hydrogen and solid carbon using renewable energy sources.

SiNTL™: A silicon-enhanced anode material designed to increase lithium-ion battery energy density while remaining compatible with existing manufacturing processes.

1414 Degrees' technologies are unified by a single materials platform — leveraging silicon to store, convert and enhance energy across multiple sectors.

For more information, please visit www.1414degrees.com.au

Forward-looking statements

This announcement includes forward-looking statements which may be identified by words such as 'anticipates', 'believes', 'expects', 'intends', 'may', 'will', 'could', or 'should' and other similar words that involve risks and uncertainties. These forward-looking statements are based on the 1414 Degrees' expectations and beliefs concerning future events as at the date of this announcement. Forward-looking statements are necessarily subject to risks, uncertainties and other factors, many of which are outside the control of 1414 Degrees, which could cause actual results to differ materially from such statements. 1414 Degrees makes no undertaking to update or revise the forward-looking statements made in this announcement to reflect any change in circumstances or events after the date of this announcement.