



11 May 2022

ASX:14D

COMMENCEMENT OF CONNECTION APPROVAL PROCESS FOR AURORA

Following confirmation of primary technical inputs, 1414 Degrees (ASX: 14D) has today executed a work order with ElectraNet (the South Australian transmission network service provider) to commence the Generator Performance Standard (GPS) study for the Aurora Energy Project. The GPS study is the primary activity remaining in order to be approved by the Australian Energy Market Operator (AEMO) to connect to the National Electricity Market (NEM) and negotiate a Transmission Connection Agreement with ElectraNet.

The commencement of the GPS study follows confirmation of the key technical input parameters of the 140MW/1-2hr capacity Battery Energy Storage System (BESS) that will comprise Stage 1 of the Aurora Energy Project, which will unlock the site's future development.

14D has appointed Emanden Technical Solutions (Emanden) as owner's engineer and AECOM as the modelling consultant to manage and execute the GPS study. Emanden and AECOM are highly experienced in undertaking these activities in the NEM and South Australia. 14D is now working with Emanden to finalise the selection of preferred equipment providers, as announced in the March quarterly release of 27 April. In addition 14D is engaging with potential prospective commercial partners for the Aurora Energy Project following the decision by Ovida to withdraw on 5 April.

The Aurora Energy Project is located near Port Augusta and includes Development Approval from the South Australian government for a BESS up to 140 MW / 280 MWh, 70 MW solar photo-voltaic array and 150 MW Concentrated Solar Power (CSP) as well as connection to the adjacent 275 kV transmission line. The focus remains on the establishment of a connection agreement and initial development of a 140 MW / 1-2hr BESS with the final investment decision for procurement and construction targeted for late 2022. All rights to the development of Aurora are held by Silicon Aurora Pty Ltd a 100% owned subsidiary of 1414 Degrees.

Matt Squire, Chief Executive Officer of 14D said, "The GPS process is one of the primary outstanding activities required to enable Stage 1 of Aurora to achieve financial close. We are now also commencing dialogue with prospective partners who share the vision we have for the site and will update shareholders on those engagements as appropriate. We also look forward to working closely with ElectraNet throughout the GPS process to develop what we believe is an important project not just for shareholders but also for South Australia".

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ABOUT 1414 DEGREES LIMITED

1414 Degrees is developing and commercialising its silicon-based thermal energy storage technology, SiBox™, to enable a clean energy future. SiBox will harness the extremely high latent heat capacity of silicon in its proprietary storage system. This will enable intermittent renewables to provide flexible, ultra-high temperature heat 24/7 for large industrial applications and to deliver reliable heat and power supply when required. It is envisaged that the flexibility of the SiBox™ modular development concept will also provide energy customers with the ability to optimise their energy systems in a way that maximises their utilisation of cheaper renewable power and simplifies their purchasing from wholesale energy suppliers.

The Company plans to commission a demonstration module of the SiBox™ technology in 2022 which will accelerate the commercialisation of SiBox™ as a competitive clean energy product. The Company has previously implemented pilots which have led to the refinement and evolution of its technology.

In 2019 the Company made the strategic purchase of the Aurora Energy Project (AEP) located near Port Augusta, South Australia. The focus of the project is to develop a long-term renewable energy project delivering reliable electricity to the region and NEM. Once ready for commercialisation, the AEP site could also allow 14D to pilot and demonstrate a commercial scale version of the SiBox™ technology.

For further information please visit www.1414degrees.com.au