ASX Announcement

11 May 2018

Department of Defence RAF Delamere Microgrid

Carnegie Clean Energy Limited (ASX: CCE) is pleased to provide an update from its 100% owned subsidiary, Energy Made Clean, on the Delamere Air Weapons Range microgrid project.

The solar farm construction on site is now complete and the battery energy storage system (BESS) has completed manufacture and factory acceptance testing. The project has now entered its final phase which involves installing the BESS containers, primary and standby diesel generators and solar invertors at site ahead of site acceptance testing and commissioning.

Carnegie's Managing Director, Dr Michael Ottaviano said,

"The Delamere microgrid project is exactly the sort of complex, high value project that EMC is uniquely positioned to deliver. Increasingly, off grid and fringe of grid customers are seeking a combination of cost effective, reliable and clean energy solutions that can now be achieved by these state of the art microgrids."

"Projects of this size, with a contract value of $3-4 million, have put EMC on track to record revenues in the current half of the 2018 financial year."



Solar farm on site constructed at Delamere base in the Northern Territory

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Factory Acceptance Testing of the BESS at EMC's Western Australian facility



BESS installation on site at Delamere base in the Northern Territory

EMC was awarded a contract to design, construct and install a Microgrid System at the Delamere Air Weapons Range in the Northern Territory of Australia in a competitive tender process in 2017. This innovative solar, battery and diesel off-grid microgrid system will supply high penetration solar power to approximately 200kVA peak load and will deliver reliable, 24/7 power resulting in a 61% diesel consumption saving over a diesel only system.

Recent progress over the past months has included:

- Factory acceptance testing and factory witness testing successfully completed at EMC Belmont facilities in Perth. This involved the rigorous testing of the BESS containers, primary generators, solar invertors and microgrid control system
- Mobilisation of the BESS containers to the Delamere site
- Construction of the solar array at site completed

The project is on track for completion in Quarter 3 2018.

About Carnegie Clean Energy Limited

Carnegie Clean Energy Limited is an ASX-listed (ASX: CCE) solar energy, battery storage and wave energy, project developer with over 10,000 Australian shareholders. Carnegie is the 100% owner and developer of the CETO Wave Energy Technology intellectual property and is also 100% owner of leading Australian battery/solar microgrid Engineering Procurement and Construction (EPC) company Energy Made Clean (EMC). EMC specialises in the delivery of mixed renewable energy microgrid projects to islands and remote and fringe of grid communities. Carnegie is the only company in the world to offer a combination of wave, solar, wind, battery storage and desalination via microgrids which are ideally suited to islands, off grid communities and fringe of grid locations. Within Australia, Carnegie delivers its solar energy and battery storage projects via a joint venture between Energy Made Clean and multinational property and infrastructure company Lendlease (ASX: LLC).

About Energy Made Clean

Energy Made Clean is a leading solar and battery microgrid developer providing off-grid power and utility scale solutions. Recently named one of Australia's most innovative companies by the Australian Financial Review, EMC specialises in the delivery of mixed renewable energy microgrid projects, ideally suited to island, remote and fringe of grid communities. EMC offers an end to end renewable energy solution, dedicated to in-house research and development, custom design, construction, operation, maintenance and monitoring.

For more information

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