

## ASX ANNOUNCEMENT

31 March 2017

### **Carnegie teams with Samsung and Lendlease in South Australian Government's battery response**

**Carnegie Clean Energy Limited (ASX: CCE), developer of utility scale solar energy, battery storage and wave energy projects, is pleased to confirm it has submitted a response today to the Government of South Australia's Expression of Interest process regarding the provision of utility scale battery energy storage solutions into the South Australia electricity network.**

Carnegie, through its 100% owned subsidiary Energy Made Clean, is currently the largest Australian designer and integrator of utility scale battery storage solutions. Carnegie is one of the largest employers in the renewable energy industry in Australia with a team of over 100 and has delivered more than 25 utility scale battery systems across Australia. Carnegie is uniquely positioned to deliver an Australian led-solution into the South Australian electricity network.

For this opportunity, Carnegie has teamed with Samsung SDI, a world leader in the manufacture and supply of utility scale lithium ion battery cells. The world's largest battery storage facility, a 120MWh plant commissioned earlier this year in California, used Samsung's batteries and was delivered in a 6 month timeframe. Samsung has delivered more than 1300MWh of utility battery storage globally.

Lendlease Services will also be core to the delivery of this project, via its Engineering, Procurement and Construction (EPC) joint venture with Energy Made Clean. Lendlease has approximately 3,000 people and has a presence in every Australian state and territory, including a team on the ground in South Australia currently delivering distribution network construction and maintenance services.

Carnegie's consortium also includes financial, project and energy retailing partners and preferred locations for a range of different energy storage blocks across the South Australian electricity network.



**Utility scale battery energy storage system (BESS) designed and delivered by Carnegie's Energy Made Clean subsidiary for the Western Australian State Government owned energy utility, Synergy.**

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Carnegie's Managing Director, Dr Michael Ottaviano, commented:

"As renewable energy penetration inevitably increases across the country, the need for utility scale energy storage will grow in lockstep. Carnegie's approach is focused on finding economical ways of delivering this emerging product at strategic locations where it can be of most benefit. The deployment of utility scale battery systems creates an opportunity for South Australia and Australia to develop a new local industry and export this capability throughout our region."

Doug Moss, Managing Director, Lendlease's Services business said:

"Lendlease has a long history delivering many notable projects in South Australia, including the Adelaide Convention Centre, Adelaide Oval, Flinders University at Tonsley and the Southern Expressway Duplication. Through its Engineering and Services businesses, Lendlease is currently delivering the Northern Connector."

#### **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 the Energy Made Clean/ Lendlease Joint Venture Agreement**

In December 2016, Energy Made Clean signed a 50/50 Joint Venture Agreement with Lendlease's Services business. By leveraging Lendlease's national footprint across Australia, this JVA is providing opportunities for EMC to increase its capacity to bid for and deliver a broader range of solar, BESS and microgrid opportunities within Australia, including increased access to the National Energy Market (NEM). Lendlease's Services business employs approximately 3,000 people and has a presence in every Australian state and territory.

#### **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.

#### **About Lendlease**

Headquartered in Sydney, Australia, Lendlease has approximately 12,000 employees internationally with regional head offices located in New York, Singapore and London. Combining the core capabilities of development, construction and investment across the property and infrastructure value chain has allowed Lendlease to offer innovative integrated solutions. Lendlease has secured major urban regeneration projects such as: Barangaroo South, Darling Square, Victoria Harbour and Brisbane Showgrounds in Australia; Elephant & Castle and International Quarter London in the United Kingdom; Paya Lebar Quarter and Tun Razak Exchange in Asia; and Riverline in the United States.

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**About Samsung SDI**

Samsung SDI is a global leader in creative energy and materials solutions. Samsung SDI is one of the world's largest manufacturers of rechargeable batteries for IT industry, automobiles, and energy storage systems (ESS), as well as cutting-edge materials used to produce semiconductors, displays, and solar panels.

**For more information:**

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