

## ASX Announcement

6 November 2017

### Albany Wave Energy Project activities underway

Carnegie Clean Energy (ASX:CCE) is pleased to advise that following the \$15.75 million in funding from the Western Australian State Government, it has now commenced the Albany project design and development activities.

The first phase involves the detailed, localised measurement of the wave resource at the specific offshore site proposed for the installation of the CETO 6 unit. The measurement of metocean conditions is now underway via the installation of a wave buoy approximately 1.5 kilometres off the existing Albany wind farm. The data buoy was deployed in 30 meters of water depth by a local Albany-based offshore operator and technician and is now measuring wave height, period and energy spectra and is transmitting this data to Carnegie's CETO project team.



#### Wave buoy installation

The measured data will be used to validate the metocean modelling performed at the deployment site and will be fed into the detailed design phase of the CETO 6 unit and the common user infrastructure to maximise performance and survivability of the system and to minimise environmental impact.



**Wave buoy deployed at project site offshore from Albany wind farm**

The project aims to demonstrate Carnegie's commercial prototype with the initial project phase including the delivery of an operating CETO 6 unit. Further details of the latest CETO 6 design will be released shortly. Project design and development activities now commenced include consideration of environment, Native Title, planning consent, grid connection studies and approvals. Further consultation will also be undertaken with the local community, industry and other stakeholder groups.

The Albany Wave Energy Project will be the first offshore demonstration of Carnegie's CETO 6 technology. The Project will design, manufacture and install a CETO 6 unit in Carnegie's existing licence area offshore from Torbay and Sandpatch in Albany during the 2019/2020 summer weather window. In addition to demonstrating Carnegie's world renowned WA developed and owned technology, the Project will also deliver common user infrastructure at the Albany site which Carnegie will make available for other wave energy industry developers once the CETO 6 project is complete.

Carnegie has previously announced that the Western Australian Government's Department of Primary Industries and Regional Development awarded a \$15.75m grant to the CETO technology and Albany Wave Energy Project following the completion of an internationally competitive tender process for wave energy developers that attracted submissions from around the globe. The Australian Renewable Energy Agency (ARENA) has also approved Carnegie's request to move ARENA's CETO 6 Project funding from Garden Island to Albany, subject to the signing of the detailed documentation.

In addition, the WA Government awarded \$3.75 million to the University of Western Australia to establish and manage an associated Wave Energy Research Centre in Albany, Western Australia. The Wave Energy Research Centre will elevate Western Australia to the forefront of offshore renewable energy research and technology and bring together more than 30 researchers to support Carnegie's ongoing research into wave, tidal and offshore wind energy. Carnegie will continue to use its Garden Island site for its own wave energy research and prototype testing as well as working with other wave energy developers at the site.

#### **About Carnegie Clean Energy Limited**

[Carnegie Clean Energy Limited](#) is an Australian, ASX-listed (ASX: CCE) wave energy technology developer and solar/battery microgrid project developer. 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, storage and desalination via microgrids which are ideally suited to islands, off grid communities and fringe of grid locations.

#### **About Department of Primary Industries and Regional Development**

The Department of Primary industries and Regional Development is committed to building vibrant regions with strong economies through jobs growth, economic growth and capable people. In partnership with the Regional Development Portfolio the Department is responsible for the effective planning, coordination and delivery of the State Government's regional development agenda. This includes the management of the Royalties for Regions investment program and maintaining effective relationships with key partners across government, industry and the community. The Western Australian State Government, via DPIRD, is investing \$15.75 million of grant funding into the Albany Wave Energy Project and a further \$3.75m into the Wave Energy Research Centre via the University of Western Australia.

#### **About ARENA**

ARENA was established by the Australian Government to make renewable energy technologies more affordable and increase the supply of renewable energy in Australia. Through the provision of funding coupled with deep commercial and technical expertise, ARENA provides the support needed to accelerate the development of promising new solutions towards commercialisation. ARENA invests in renewable energy projects across the innovation chain and is committed to sharing knowledge and lessons learned from its portfolio of projects and information about renewable energy. ARENA always looks for at least matched funding from the projects it supports and to date has committed \$1.1 billion in funding to more than 270 projects. For more information, visit [www.arena.gov.au](http://www.arena.gov.au). ARENA has approved the transfer of \$11.7m in CETO 6 Project funding from Garden Island to Albany, subject to the signing of the detailed documentation.

#### **For more information:**

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