



Media Release

A step closer to wave power breakthrough

ARENA today congratulated Carnegie Wave Energy for reaching a significant milestone in a \$34 million project that is set to advance wave energy in Australia and beyond.

ARENA CEO Ivor Frischknecht joined the Minister for Industry the Hon Ian Macfarlane at the unveiling of three newly constructed CETO units at the Australian Marine Complex in Henderson, WA.

“ARENA is very pleased to be supporting this vital project, which will install three 240kW CETO Units, with \$13.1 million funding,” Mr Frischknecht said.

“The units being unveiled today are the heart of the project which is set to be a landmark demonstration of a complete grid-connected, commercial scale CETO wave energy installation.

“The three units will be tethered in an array that uses the energy in the ocean’s waves to drive offshore seabed pumps with the high-pressure water carried via a subsea pipeline to an onshore power station, driving hydroelectric turbines.

“The high pressure water can also be fed into an onshore desalination plant, supplying fresh water without the need for electrically-driven pumps.

“Australia’s wave energy resources along our south and south-west coasts are among the best in the world and, importantly, can be reliably predicted days ahead.

“There is great long-term potential for wave energy in Australia, with a range of competitive Australian technologies being developed towards commercialisation.”

Mr Frischknecht said the energy produced by the Carnegie Wave Energy project would be purchased by the Australian Department of Defence, supplying energy to the nation’s largest naval base, HMAS Stirling.

“This project will generate Carnegie’s first revenues and, although a relatively small generator, is a significant step forward in commercialisation of the CETO wave energy technology,” Mr Frischknecht said.

“This is a prime example of how ARENA is supporting technologies through demonstration towards bankability to increase the competitiveness of renewable energy.”

About the Australian Renewable Energy Agency

The Australian Renewable Energy Agency (ARENA) was established by the Government as an independent authority on 1 July 2012 to make renewable energy technologies more affordable and increase the amount of renewable energy used in Australia. ARENA is funded to 2022 to invest in renewable energy projects, support research and development activities, and increase industry and community knowledge about renewable energy.

About Carnegie Wave Energy

Carnegie Wave Energy Limited is the ASX-listed inventor, owner and developer of the patented CETO wave energy technology that converts ocean swell into zero-emission renewable power and desalinated freshwater. Carnegie has raised approximately \$70 million to fund the development of the CETO technology and employs unique rapid prototyping utilising computational simulation, wave tank testing, scaled in-ocean testing at its private Wave Energy Research Facility and onshore/offshore test site and commercial scale in-ocean testing at Garden Island, Western Australia.