



Environmental Protection Authority

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Chief Executive Officer
Carnegie Wave Energy Ltd
Unit 1, 124 Stirling Highway
NORTH FREMANTLE WA 6159

Your Ref
Our Ref A554247
Enquiries Teresa Bryant
Phone 6467 5444

Attn: Mr Tim Sawyer

Dear Sir/Madam

NOTICE UNDER SECTION 39A(3) *Environmental Protection Act 1986*

PROPOSAL: Perth Wave Energy Project
LOCATION: Garden Island
LOCALITY: City of Rockingham
PROPONENT: Carnegie Wave Energy Ltd
DECISION: Not Assessed – Public Advice Given

Thank you for your letter referring the above matter to the Environmental Protection Authority (EPA).

This proposal raises a number of environmental issues. However, the EPA has decided not to subject this proposal to the environmental impact assessment process and the subsequent setting of formal conditions by the Minister for Environment under Part IV of the *Environmental Protection Act 1986* (EP Act). Nevertheless, the staff of the Office of the EPA has provided the attached advice to you as the proponent, and other relevant authorities on the environmental aspects of the proposal.

The EPA's decision to not assess the proposal is open to appeal. There is a 14-day period, closing 24 December 2012. Information on the appeals process is available through the Office of the Appeals Convenor's website, www.appealsconvenor.wa.gov.au, or by telephoning 6467 5190.

Yours faithfully

Anthony Sutton
Director
Assessment and Compliance Division

10 December 2012

Encl

PUBLIC ADVICE UNDER SECTION 39A(7)
Environmental Protection Act 1986

This advice applies to a proposal referred to the EPA by Oceanica Consulting on behalf of Carnegie Wave Energy Ltd (Carnegie) on 9 October 2012.

The proposal is for the marine component of the Perth Wave Energy Project (PWEF) which involves the installation of five 11 metre diameter CETO (Carnegie's wave energy technology) units 3km south west of Garden Island and laying two pipelines to transfer the energy harnessed by the CETO units to an onshore power generation facility located on Garden Island.

The terrestrial component of the PWEF is located on Garden Island and under the jurisdiction of the Department of Defence (DoD). Carnegie has a formal licence with DoD for onshore tenure, works and a power supply and grid connection agreement. Carnegie is seeking a lease and easement from the WA Department of Regional Development and Lands (DRDL) over the unallocated Crown lands that make up the State (Coastal) waters.

The purpose of the PWEF is to demonstrate the CETO wave energy technology in a commercial grid connected arrangement for a minimum 12 month operational period with a five year design life.

Implementation of the proposal would involve the following:

- Installation of 5 CETO units, foundation, intra-array piping, pods and pipeline end manifold within a proposed 7.5 ha offshore lease area.
- Installation of two pipelines via trenching and burial of the onshore area up to 500m from the shore with surface laying used for the remainder of the offshore section. Secondary stabilisation using rock mattresses and grout bags will be used on the surface laid section.

The EPA notes that the proposal is unlikely to have a significant environmental impact and provides the following advice and recommendations regarding environmental issues:

Marine Environmental Management Plan

The EPA notes the referral documentation included a Marine Environmental Management Plan (Plan) dated October 2012. The Plan was reviewed by the Office of the EPA and has subsequently been amended by Carnegie Wave Energy to include post-construction benthic habitat surveying and a commitment to emergency spill management response procedures.

It is the EPA's view that the revised Plan (November 2012) adequately identifies the environmental values of the proposal area and demonstrates that the proponent has applied impact avoidance and minimisation and that mitigation measures will ensure potential environmental issues will be appropriately managed.

The referral documentation also demonstrates that Carnegie has undertaken extensive stakeholder and community consultation and includes a Community Consultation Plan to manage its continued consultation throughout the project's milestones.

The DRDL has advised it can include environmental conditions in the lease to Carnegie at the request of other State Government agencies. The EPA considers this an appropriate and suitable mechanism to ensure the potential environmental impacts of the proposal are managed. The EPA therefore recommends that a condition requiring implementation of the Perth Wave Energy Marine Environmental Management Plan be included on the lease and easement to Carnegie Wave Energy Ltd.