

The Aotearoa Wave and Tidal Energy Association (AWATEA) is a registered incorporated society. Its aims are that:
 "AWATEA will promote, aid and foster a vibrant and viable marine energy sector in New Zealand".

www.awatea.org.nz

Role: AWATEA will be the national association for the representation of industry and research interests in marine energy and its uses.

Objectives: AWATEA has the following objectives:

- 1: to **promote the marine energy industry** in New Zealand, including research, energy generation, marine fabrication and marine services;
- 2: to **increase recognition and utilisation of marine energy** as another energy source in New Zealand's supply portfolio;
- 3: to act as a **centre for advocacy of marine energy**, including lobbying, drafting and making submissions to the Government and representing the views of the marine energy industry;
- 4: to assist in the **exchange of information about the marine energy sector** and to provide and publish statistics and informed commentary on issues affecting the uptake of marine energy in New Zealand;
- 5: to be a meeting place for marine energy industry participants; and
- 6: to **represent the New Zealand marine energy industry** to national bodies, including Government agencies, non-governmental organisations and other industry bodies, as well as liaising with any relevant international bodies.



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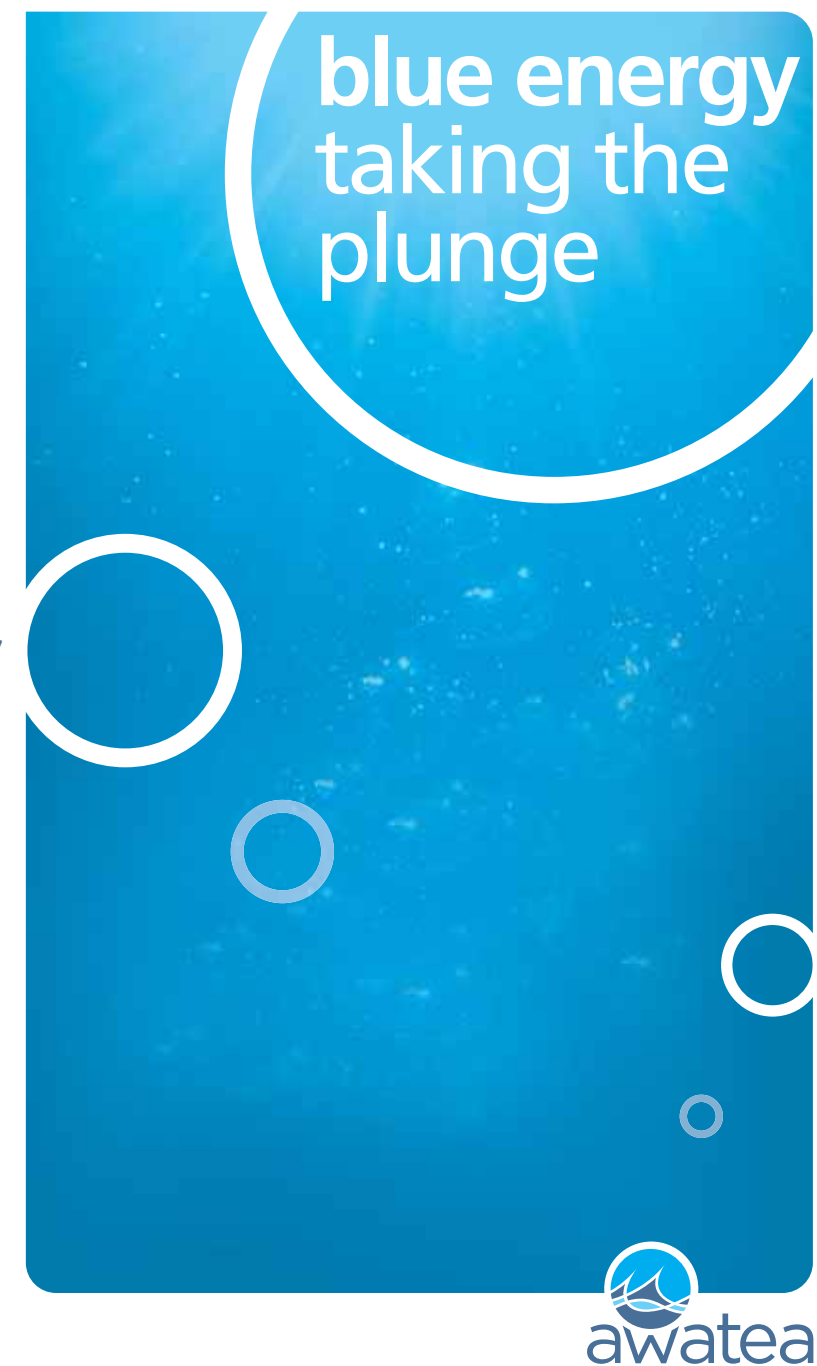
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Icon Room
 Te Papa Tongarewa
 Wellington

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blue energy : taking the plunge

Welcome to “blue energy: taking the plunge”, AWATEA’s first national conference on marine energy. The objectives of this, New Zealand’s, first national marine energy conference are to:

- promote the uptake of marine energy in New Zealand;
- accelerate the development of marine energy projects here; and
- respond to the proposed initiatives for marine energy and renewables in general in the draft New Zealand Energy Strategy and related documents.

Please note: we will start promptly at 08.30.

am

Resources and Projects

The morning session is devoted to resource evaluation and mapping, and the challenges facing marine energy projects. The keynote speech profiles the Canadian Marine Energy Atlas, an ambitious project to analyse and map the potential wave and tidal energy resources of Canada’s 250,000 kilometres of coastline.

The second presentation will cover the challenges and opportunities for accelerating the commercial deployment of marine energy projects in New Zealand.

The third presentation will address connecting future projects to the National Grid.

The remainder of the session will be taken up with two presentations on actual projects, one home-grown, the other Australian. Both are developing new wave energy technologies.

The first is the WET-NZ R&D programme, which is developing a new spar buoy technology. The second is the Energetech project at Port Kembla in New South Wales, testing a new oscillating water column device.

pm

Policies and Regulations

The afternoon session focuses on reviewing policies and regulatory interventions to promote and accelerate uptake of marine energy.

The first presentation will review the UK scene, where projects, policies and regulations are more advanced. The proposals for renewables and marine energy in the New Zealand Energy Strategy will be presented. Options for regulatory interventions, based on European experience, will then be presented.

The last two presentations will address RMA issues and the Māori perspective on marine energy projects.

Business commentator Rod Oram will then lead an open discussion on ways to promote and accelerate marine energy uptake in New Zealand. There will be a panel of the early speakers but this will be the delegates’ chance to be heard on what they think will promote marine energy projects here in New Zealand.

The discussion will form the basis of AWATEA’s final submission to Government on the draft Energy Strategy and other documents.

Programme

| | | SPEAKER | SUBJECT AREA | |
|----|---|---------|--|---|
| | 08:30–08:40 | 10 | AWATEA Chair and EO | Welcome and Introductions |
| | 08:40–09:00 | 20 | Hon. David Parker, Minister of Energy | Opening Address |
| am | Marine Energy Resources and Projects | | | |
| | 09:00–09:40 | 40 | Mike Tarbotton, OREG/Triton. Keynote Speaker | Ocean Energy Developments in Canada – can this experience be useful in New Zealand? |
| | 09:40–10:10 | 30 | Srian Abey Suriya, E3 International | Accelerating the Commercial Deployment of Marine Energy – challenges and opportunities |
| | 10:10–10:40 | 30 | Len Gould, Transpower | New Zealand’s National Grid – what you need to know |
| | 10:40–11:10 | 30 | MORNING COFFEE | |
| | 11:10–11:40 | 30 | Lan Le-Ngoc, Industrial Research Limited | Mechanical Design Concepts for a New Wave Energy Converter |
| | 11:40–12:10 | 30 | John Bell, Energetech | Financing Marine Energy Projects |
| | 12:10–13:00 | 50 | LUNCH SPONSORED BY TRANSPOWER | |
| | 13:00–13:20 | 20 | Jeanette Fitzsimons, Government Spokesperson on Energy Efficiency and Conservation | Afternoon Opening Address |
| pm | Marine Energy Policies and Regulations | | | |
| | 13:20–14:00 | 40 | Henry Jeffrey, Univ. of Edinburgh. Keynote Speaker | Wave and Tidal Current Energy – current activities and progress from a UK perspective |
| | 14:00–14:30 | 30 | Stuart Calman, MED | New Zealand Energy Strategy |
| | 14:30–15:00 | 30 | Catherine Mitchell, Warwick Business School, UK | European Mechanisms for Uptake of Marine Energy |
| | 15:00–15:30 | 30 | AFTERNOON TEA | |
| | 15:30–16:00 | 30 | Duncan Laing, Simpson Grierson | The Coastal Occupancy Regime under the RMA – current issues and alternatives |
| | 16:00–16:30 | 30 | Wayne Mulligan, Executive Director, Crenative/Fomana | Marine Energy – Māori perspectives and opportunities |
| | Discussion – What will it take to accelerate uptake of marine energy in New Zealand? | | | |
| | 16:30–17:30 | 60 | Facilitator: Rod Oram Panel of four speakers | How to promote and accelerate marine energy uptake in New Zealand |
| | 17:30 on | | Social Hour Sponsored by Energetech | |

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