

MEDIA UPDATE

Energetech Australia Pty Limited



NOVEMBER 2005: PORT KEMBLA TRIAL DEPLOYMENT RESULTS

A full-scale ocean trial of the Energetech wave energy device took place at Port Kembla on October 26, and real power was generated into the on-board grid. A proportion of this power was used to produce desalinated water on-board the device.

The measured power indicates the device performs better than previously predicted from wave tank, wind tunnel, and CFD testing. For example, in moderate wave heights with periods of seven seconds, the results from the trial indicate the device will produce 20% more power than was estimated by earlier research.

Past laboratory studies and the analysis of an earlier trial deployment at Port Kembla had indicated the Energetech technology was capable of producing an annual energy output of at least 500 MWh at Port Kembla. However, this latest trial indicates the technology is capable of producing more power and fresh water than has previously been claimed. Based on the recent test results, a full scale project should power up to 1500 homes, or produce three million litres of water per day per production unit.

This is very encouraging, as the outcome of the trial ensures the economics of the design will be competitive not only with other renewable energy forms, but also with full cost fossil fuel sources.

A full report – “Results of the Port Kembla Wave Energy Trial” (pdf 108KB) can also be found on the publications page of our website (a sub-page of the news section).



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