

Ocean energy potential in Islands

Projects/Initiatives	Challenges	Potential	Next actions
<ul style="list-style-type: none"> ✓ Cost Analysis of Wave Energy in the Pacific ✓ OTEC / SWAC ✓ PICTS Renewable Energy target. ✓ Endorsement by the recent Energy Minister Meeting in Samoa 	<ul style="list-style-type: none"> ✓ Technology readiness ✓ Scale technology not adapted to Pacific grid size ✓ Lack of data ✓ SOP and in-country capacity 	<ul style="list-style-type: none"> ✓ Wave Energy : Very high for 3 PICTS (Tonga, Cook, French Polynesia) ✓ High for 4 PICTS (New Caledonia, Fiji, Samoa, Niue) ✓ OTEC : very high potential for Nauru, Kiribati, Tuvalu ✓ Tide energy 	<ul style="list-style-type: none"> ✓ Pilot site identification ✓ Bilateral Country/private sector partnership for “in-situ technology R&D” to fit PICTS Scale needs ✓ Data collection / mapping in-country resource study

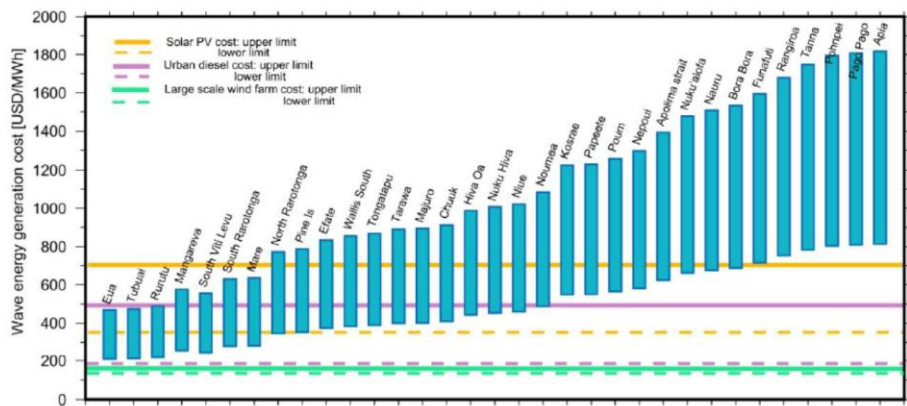


Figure 5.1 Generation cost comparison for selected sites and other sources of energy (source: Syngellakis 2011).

