



Best Tidal and Wave Energy Articles, July-December, 2022

Compiled by David Hoyle, Tide Mill Institute

General Interest

[With Marine Power, It's Not the Size of Your Turbine, It's the Motion of the Ocean](#)

Esquire interview on marine energy with Jennifer Garson and Tim Ramsey of the US DOE's Water Power Technologies Office

[Wave Energy – The Potential of Wave Power Plants to Power Our Future | Greener Ideal](#)

Informative wave energy video

[What is Tidal Energy? Advantages, Disadvantages, and Future Trends | Earth.Org](#)

Good explanation of the various types of tidal power generation systems with diagrams

United States

[US DOE awards \\$12M for marine energy and hydropower projects](#)

With descriptions of the 12 projects funded

[US Government invest \\$35m in tidal energy and river current systems](#)

[This floating wave energy converter system can withstand extreme ocean conditions - Yanko Design](#)

Oscilla Power's WEC

[OPT secures US government contract for wave energy-powered unit](#)

[Wave energy legislation \(you read it right\) takes big step forward | ROI-NJ](#)

New Jersey wave energy legislation

[Patented technology generates electricity from ocean wave, clothing, and cars](#)

[Port of LA will be test site for electricity generation with sea waves](#)

Eco Wave Power

[A new submerged wave energy generator had 99% uptime with no maintenance for 10 months](#)

CalWave generator tested off California

[ORPC to install its first hydrokinetic power system in South America - Offshore Energy](#)
[RivGen power system launches at Seven Sisters Falls](#)

[US researchers team up to collect and share experimental data on vertical-axis tidal turbine - Offshore Energy](#)

NREL and UNH team up to instrument the tidal turbine located under the Memorial Bridge in Portsmouth, NH.

[Photo | Water spouts through rock with a nod to history – Santa Cruz Sentinel](#)

Early 20th century wave motor used wave power in a blowhole to pump water

Canada

[Who Will Win the Race to Generate Electricity From Ocean Tides?](#)

NYT article on tidal power in the Bay of Fundy.

[Onboard the innovative floating tidal energy project in Nova Scotia](#)

Video made on board Sustainable Marine's 420kW PLAT-I tidal power generation platform in the Bay of Fundy. The platform is delivering power to Nova Scotia's grid.

[Canadian specialists help Sustainable Marine enhance environmental monitoring - International Water Power](#)

[Wave-powered buoys vastly reduce the ecological cost of desalination](#)

United Kingdom

[The World Needs More Gigantic Sci-Fi Sea Dams | WIRED](#)

Good overview of the cost issue standing in the way of tidal power in the UK

[Tidal triumph 'turning resource into power source' as slow-boat sector gets UK CfD boost | Recharge](#)

Tidal power projects win backing via Contracts for Difference auction to bring over 40MW of power onto British grid at \$214/MWh

[Rolls-Royce Converts a Modern Aircraft Engine to Run on Hydrogen | PCMag](#)

[Wales' Marine Test Center Expands Its Capabilities](#)

[Plans laid for the world's first tidal energy-powered deep sea container terminal](#)

[UK's nature conservation charities slam the Wash tidal barrage plan deeming it 'outlandish' - Offshore Energy](#)

[This Scottish startup found a new way to harness the power of waves](#)

AWS Oceans Energy's point absorber with excellent video explaining how it harnesses power from ocean waves.

[Spanish developer visits site of its first commercial-scale tidal energy array in Wales](#)

Magallanes visits Anglesey Morlais tidal energy project site

[Morlais tidal energy scheme hires environmental helping hand](#)

[Fleetwood's £38million Wyre Gateway tidal energy scheme more viable than ever, says team | Blackpool Gazette](#)

Welsh tidal barrage project planned for the mouth of the River Wyre in Fleetwood

[Tidal barrage across Morecambe Bay discussed with Rishi Sunak and Liz Truss | The Westmorland Gazette](#)

Another Welsh tidal barrage project

['World's largest capacity floating wave energy device' to be tested in Orkney](#)

OE35 wave energy generator to be upgraded from 500 kW to 1 MW for testing in Scotland

[Mersey Tidal Project and where it is up to now - Liverpool Echo](#)

[Mersey Tidal Power project forges close links with world's largest tidal operator | New Civil Engineer](#)

Mersey joins up with Korea Water Resources Corporation for Mersey tidal power project

[SIMEC Atlantis redeploys another MeyGen tidal energy turbine](#)

[The Waveline Magnet Offers The Cheapest Clean Energy Ever](#)

Sea Wave Energy's so-called waveline magnet wave energy convertor. Includes an interesting video.

[Energy storage system for tidal power-to-hydrogen research project energized in Orkney](#)
[EMEC scores funding for hydrogen trailers at tidal power site](#)

[Bombora mWave Solution: World's Most Powerful Wave Energy Converter](#)

Bombora's 1.5 MW Pembrokeshire Demonstration Project

Rest of Europe

[Brittany improves Paimpol-Bréhat tidal test site | Energy Global](#)

[Ocean Energy Europe applauds proposed EU target for 'innovative' renewable energy](#)
European parliament calls for 5% innovative renewable energy capacity

[Wave energy entering the national grid - The Portugal News](#)

[Minesto remains on schedule for Faroe Islands tidal energy array](#)
[Minesto's Second Sea Kite Online in Faroes](#)

[Finnish wave energy company secures DNV certification](#)
Bombora Wave Power

<https://www.offshore-energy.biz/sabellas-tidal-power-production-curve-gets-bureau-veritas-seal/>

[Five wave energy projects proceed to next phase of EuropeWave](#)

[Dutch company kicks off vertical axis tidal turbine trials in France - Offshore Energy](#)

[First Dutch wave energy device takes the North Sea test](#)

Rest of World

[Pakistan needs to harness tidal energy to overcome power shortage](#)

[Wello inks deal to deploy 12MW wave energy park in Taiwan](#)

[Wave Swell Energy trial delivers conversion rates of up to 50% – pv magazine Australia](#)
[Blowhole wave energy generator exceeds expectations in 12-month test](#)
200 kW wave energy generator tested in Australia

[IIT Madras Deploys Wave Energy Generator off Tamil Nadu Coast - Mercom India](#)
[India's research institute concludes wave energy device sea trials](#)
Article from Offshore Energy

[Sabella signs tidal energy deal in Indonesia](#)

[Test runs begin on Israeli wave energy project](#)
Eco Wave Power started test runs of its wave energy generators in Tel Aviv

[World's largest wave power plant to be built in Turkey](#)
Eco Wave Power has signed a deal to build 77MW wave power station - the world's largest - in Turkey