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***TerraPower -
Wikipedia
Azura is a wave
power device
currently being
tested in Hawaii. It is
connected to the***

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municipal grid providing electricity to Hawaii. According to the United States Department of Energy, this is the first time that a wave power generator has been officially verified to be supplying energy to a power grid in North America. This has been verified by

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***the University of
Hawaii.***

***Marine energy -
Wikipedia***

***Floating wave power
plant was nominated
for deletion. The
discussion was
closed on 24 March
2011 with a
consensus to
merge. Its contents
were merged into***

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Wave power. The original page is now a redirect to this page. For the contribution history and old versions of the redirected article, please see its history; for its talk page, see here.

...

Ocean power in New Zealand - Wikipedia

Page 8/29

Wave power formula. In deep water where the water depth is larger than half the wavelength, the wave energy flux is. The above formula states that wave power is proportional to the wave period and to the square of the wave height.

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***Eco Wave Power -
Wave Energy
Company
CETO is a wave-
energy technology
that converts kinetic
energy from ocean
swell into electrical
power and (in CETO
5) directly
desalinates
freshwater through
reverse***

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osmosis. The technology was developed and tested onshore and offshore in Fremantle, Western Australia. In early 2015 a CETO 5 production installation was commissioned and connected to the grid.

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***CETO - Wikipedia
Wave power Wave
power involves
converting the
energy in ocean
surface waves into
electricity using
devices either fixed
to the shore, the
seabed or floating
out at sea. Wave
energy varies with
time, depending on
when and where the***

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**winds and storms
that drive the waves
occur.**

**List of wave power
projects - Wikipedia
Wave power in the
United States is
under development
in several locations
off the east and west
coasts as well as
Hawaii. It has moved
beyond the research**

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phase and is producing reliable energy for the Grid. Its use to-date has been for situations where other forms of energy production are not economically viable and as such, the power output is currently modest.

Tidal power -

Page 14/29

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The term marine energy

encompasses both wave power i.e.

power from surface waves, and tidal

power i.e. obtained from the kinetic

energy of large bodies of moving

water. Offshore wind power is not a form

of marine energy, as

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wind power is derived from the wind, even if the wind turbines are placed over water.

Talk:Wave power - Wikipedia

TerraPower has chosen traveling wave reactors (TWRs) as its primary technology. The major benefit of

such reactors is high fuel utilization in a manner that does not require nuclear reprocessing and could eventually eliminate the need to enrich uranium. TWRs are designed to convert typically non-fissile fertile nuclides such as U-238 into fissile

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***nuclides like Pu-239
in-situ and then shift
the ...***

Wave power -

Wikipedia

***Wave power means
the use of ocean
surface waves and
the capture of that
energy to do useful
work—including
electricity
generation,***

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Wikipedia

desalination, and the pumping of water (into reservoirs). It makes use of the kinetic energy of the waves that are driven by the wind.

Wave power - Simple English Wikipedia, the free encyclopedia
PowerBuoy: Ocean

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Wikipedia

Power

Technologies: US

Buoy Offshore

Hydroelectric

turbine 1997 The

Pacific Northwest

Generating

Cooperative is

funding

construction of a

commercial wave-

power park at

Reedsport, Oregon

using buoys. The

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rise and fall of the waves moves a rack and pinion within the buoy and spins a generator. The electricity is transmitted by a submerged transmission line.

*Wave power in India
- Wikipedia*

Tidal power or tidal energy is the form of

hydropower that converts the energy obtained from tides into useful forms of power, mainly electricity.. Although not yet widely used, tidal energy has potential for future electricity generation. Tides are more predictable than the wind and the sun. Among

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***sources of
renewable energy,
tidal energy has
traditionally suffered
from relatively high
cost and ...***

***Azura (wave power
device) - Wikipedia
Eco Wave Power
developed an
innovative
technology for
production of clean***

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***electricity from
ocean and sea
waves. We aim to
generate clean &
affordable
electricity, using a
simple but smart
design, allowing our
floaters to be
attached to existing
man-made
structures, and
thereby simplifying
installation and***

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***maintenance as well
as accessibility.***

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***Wave power is the
capture of energy of
wind waves to do
useful work – for
example, electricity
generation, water
desalination, or
pumping water. A***

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machine that exploits wave power is a wave energy converter. Wave power is distinct from tidal power, which captures the energy of the current caused by the gravitational pull of the Sun and Moon. Waves and tides are also distinct from ocean

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currents which are caused by other forces including breaking waves, wind, the Coriolis effect, cabbeling ...

Wave power in the United States -

Wikipedia

Wave energy is a clean and renewable source of energy.

Since waves are

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***present always,
wave power is more
consistent in
electricity
generation when
compared to
renewable energy
sources like wind
and solar. They can
be a good source of
energy generation
for off grid coastal
areas and islands.
Wave energy often***

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***used to power the
desalination plants.***

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