



Statement of participation

Michael Frank

has completed the free course including any mandatory tests for:

Energy resources: Tidal energy

This 2-hour free course examined the nature of tidal energy and considered whether or not it can ever play a major role in the global energy supply.

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This statement does not imply the award of credit points nor the conferment of a University Qualification.
This statement confirms that this free course and all mandatory tests were passed by the learner.
Please go to the course on OpenLearn for full details:
<http://www.open.edu/openlearn/nature-environment/environmental-studies/energy-resources-tidal-energy/content-section-0>

COURSE CODE: S278_10

Energy resources: Tidal energy

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Course summary

The rise and fall of ocean tides result from the combined gravitational pull on water by the Moon and, to a lesser extent, the Sun, which exerts a force on water directed towards the two astronomical bodies. These gravitational effects combine with centrifugal forces that result from the Earth and the Moon orbiting each other. All of which makes tidal change a complex process. Energy resources: Tidal energy, is a free course that considers the power of the ocean tides as a potential source of useable energy and whether or not it can ever make any significant contribution to global energy supplies.

Learning outcomes

By completing this course, the learner should be able to:

- explain the principles that underlie the ability of tidal power to deliver useable energy
- outline the technologies that are used to harness the power of tidal energy
- discuss the positive and negative aspects of tidal energy in relation to natural and human aspects of the environment.

Completed study

The learner has completed the following:

Section 1

Energy resources: Tidal energy

Section 2

Harnessing tidal energy

Section 3

Conclusion