OpenLearn

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Statement of participation

Michael Frank

has completed the free course including any mandatory tests for:

Energy resources: Hydropower

This 3-hour free course considered the practicalities of getting hydropower, a centuries old form of energy, to help meet the energy needs of today.

Issue date: 22 August 2018

www.open.edu/openlearn

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/science-maths-technology/science/environmental-science/energy-resources-hydropower/content-section-0

COURSE CODE: S278_8

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Energy resources: Hydropower

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Course summary

Hydroelectric energy is ultimately solar energy converted through evaporation of water, movement of air masses and precipitation to gravitational potential energy and then to the kinetic energy of water flowing down a slope. That energy was harnessed for centuries through the use of water wheels to drive mills, forges and textile works, before being supplanted by coal-fired steam energy.
The free course, Energy resources: Hydropower, considers hydropower as a potential source of useable energy.

Learning outcomes

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

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

Completed study

The learner has completed the following:

Section 1

Hydropower

Section 2

The future of hydropower

Section 3

Conclusion