

PUMP STORAGE SYSTEMS

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On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

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1. Why does electricity cost more during the daytime ?

2. What is 'off peak' electricity ?

3. Describe the way in which a Pump Power Station, such as Dinorwig in Wales, produces electricity.

Include the following key words / phrases in your answer:

LOW LAKE - HIGH LAKE - OFF PEAK ELECTRICITY - TURBINES

4. Complete the diagram of the Dinorwig Pump Power Station, by drawing the missing aspects listed below and accurately indicating their position on the completed diagram.

GENERATING FACILITY

TURBINES

HIGH LAKE

PUMP STATION

LOW LAKE

