

Financial Times in the News: Coal Dependency



Theme and Specification link

This edition of *Financial Times in the News* looks at the changes in the UK energy mix specifically, the decline of coal-fired power stations.

The link to the article can be found here: <https://on.ft.com/47igkTZ> or use the QR code in the top right corner of this page.

This article underpins many aspects of energy security within the A Level Specifications specifically:

AQA

3.2.5.4 Energy security

Sources of energy, both primary and secondary. Components of demand and energy mixes in contrasting settings.

Energy supplies in a globalising world: competing national interests and the role of transnational corporations in energy production, processing and distribution.

Environmental impacts of a major energy resource development such as an oil, coal or gas field and associated distribution networks.

Strategies to increase energy supply (oil and gas exploration, nuclear power and development of renewable sources).

Sustainability issues associated with energy production, trade and consumption: acid rain, the enhanced greenhouse effect, nuclear waste and energy conservation.

Edexcel

6.4 Energy security is a key goal for countries, with most relying on fossil fuels.

6.5 Reliance on fossil fuels to drive economic development is still the global norm.

6.6 There are alternatives to fossil fuels but each has costs and benefits.

(Eduqas) and WJEC

(3)4.4.3 The changing demand for energy.

(3)4.4.5 Problems associated with extraction, transport and use of energy.

(3)4.4.6 Energy mixes and development.

(3)4.4.7 The need for sustainable solutions to meet the demand for energy.

(3)4.3.6 Threats to India's environment associated with economic growth.

OCR

4.c. Mitigation and adaptation are complementary strategies for reducing and managing the risks of climate change.

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Key terms

Use the article and your own knowledge to define the key terms below:

Energy deficit

Energy security

Electricity system operator (ESO)

G7

National Grid

Net Zero

Renewable energy

Article summary

Summarise the article using 10 short bullet points. Can you classify them?

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

Wider issues

Write a question here to help think about other issues which might influence the points in the article.



Stakeholders 

Explain the role of each of the following stakeholders in ensuring the UK’s energy security.

Stakeholder	Role
National Grid	
ESO	
EDF	
British Government	
LPC Delta	

Potential futures 

Use this space to identify solutions and their implications.

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Synoptic links



Note down any synoptic links using your specification to help you. A Mind map might be helpful here.

Energy security in
the UK

5 examination style questions

Explain how reaching Net Zero is more achievable for some places than others.

Analyse the data looking at Britain's energy generation.

What are the opportunities and challenges in increased renewable energy generation as projected in the LCP data.

Explain the factors which have led to the reduced reliance on coal-fired power stations in Britain.

Explain how external factors can affect energy security in the UK.