



Further Reading List for Public Lecture: What is the role of oil and gas in future energy supplies?

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The reading list can be found at: www.geolsoc.org.uk/futureenergysupplies

Popular Articles and Resources

Background

- a. The Geological Society: 2018 Year of Resources
www.geolsoc.org.uk/Resources18
- b. The Geological Society: Geology for Society, Energy
www.geolsoc.org.uk/energy
- c. The Geological Society: Risk and Uncertainty in Exploration for Oil and Gas
www.geolsoc.org.uk/ExplorationRisk17
- d. Live Science: Peak Oil Theory
www.livescience.com/38869-peak-oil.html
- e. BBC: The Paris Climate Agreement
www.bbc.co.uk/news/science-environment-35073297

Fossil Fuel Usage

- a. The Economist: The future of oil
<https://www.economist.com/news/special-report/21710628-worlds-use-oil-approaching-tipping-point-writes-henry-tricks-dont-expect>
- b. Department for Business, Energy and Industrial Strategy: Energy trends, Oil
www.gov.uk/government/uploads/system/uploads/attachment_data/file/669704/Oil.pdf
- c. Department for Business, Energy and Industrial Strategy: Energy trends, Gas
www.gov.uk/government/uploads/system/uploads/attachment_data/file/669705/Gas.pdf
- d. The Guardian: The decline of coal use in the UK
www.theguardian.com/business/2017/jul/19/how-coal-lost-power-britain
- e. BBC: Petrol and Diesel cars to be banned by 2040
www.bbc.co.uk/news/uk-40723581

- f. Carbon Capture and Storage Association: What is CCS?

www.ccsassociation.org/what-is-ccs/

Renewable Energy Development

- a. Department for Business, Energy and Industrial Strategy: Energy trends, Renewables
www.gov.uk/government/uploads/system/uploads/attachment_data/file/669723/Renewables.pdf
- b. International Energy Agency: Renewables 2017
www.iea.org/publications/renewables2017/
- c. BBC: Future Energy: China leads world in solar power production
www.bbc.co.uk/news/business-40341833
- d. Independent: Renewable Energy in 2017
www.independent.co.uk/environment/uk-renewable-energy-third-electricity-generated-wind-solar-panel-any-other-forms-mentioned-coal-a8122921.html

Future energy predictions

- a. House of Commons Energy and Climate Change Committee: The Future of CCS
publications.parliament.uk/pa/cm201516/cmselect/cmenergy/692/692.pdf
- b. Energy Information Administration: International Energy Outlook – Overview, pages 3 - 31
[www.eia.gov/outlooks/ieo/pdf/0484\(2017\).pdf](http://www.eia.gov/outlooks/ieo/pdf/0484(2017).pdf)
- c. National Grid: Future Energy Scenarios July 2017, chapters 1 - 3
<http://fes.nationalgrid.com/media/1253/final-fes-2017-updated-interactive-pdf-44-amended.pdf>

Books and Journal Articles

Maggio, C. and Cacciola, G. 2012. When will oil, natural gas, and coal peak? *Fuel*. Volume 98. Pages 111-123.

Nyambuu, U and Semmler, W. 2017. The Challenges in the Transition from Fossil Fuel to Renewable Energy. *Industry 4.0*. pages 157-181.

Foley, A and Olabi, G. 2017. Renewable energy technology developments, trends and policy implications that can underpin the drive for global climate change. *Renewable and Sustainable Energy Reviews*. Volume 68, Part 2. Pages 1112-1114