

References

- ¹ Central Intelligence Agency, *World Factbook 1999*
<http://www.cia.gov/cia/publications/factbook/index.html>
- ¹ Central Intelligence Agency, *World Factbook 1999*
<http://www.cia.gov/cia/publications/factbook/index.html>
- ¹ This figure represents the 1996 total of business enterprise R&D (\$13.5 billion) and government funding of R&D (\$8.8 billion), as reported in Department of Trade and Industry/Office of Science and Technology, *Science, Engineering, and Technology Statistics 1998* (London: The Stationery Office Limited, 1998), pp. 13, 28.
- ¹ This figure represents the 1998 total government funding of energy R&D in the following civil departments: Department of Trade and Industry (fission energy R&D: \$4 million; fusion energy R&D: \$23 million; non-nuclear energy R&D: \$27 million), Department of Environment, Transport, and the Regions (energy efficiency R&D: \$20 million). It does not include funding for the United Kingdom Atomic Energy Agency's Decommissioning and Radioactive Waste Management Operations Programme (DRAWMOPS). These figures are reported in Department of Trade and Industry/Office of Science and Technology, *Science, Engineering, and Technology Statistics 1998* (London: The Stationery Office Limited, 1998), pp. 93, 99, 101.
- ¹ See Daniel Yergin and Joseph Stanislaw, *The Commanding Heights* (New York: Simon and Schuster, 1998).
- ¹ Department of Trade and Industry, Office of Science and Technology, *Science, Engineering, and Technology Statistics 1998* (July 1998), p.71.
- ¹ The United Kingdom's ratio of industrial R&D to gross domestic product fell from 1.61% to 1.47% over the period. Reported in Economic and Social Research Council, "Promoting R&D Through Fiscal Incentives: An Assessment of the Arguments,"
http://www.ifs.org.uk/research/corporate/R_AND_D_CREDIT.HTM
- ¹ Department of Trade and Industry, Office of Science and Technology, *Science, Engineering, and Technology Statistics 1998* (July 1998), p.71.
- ¹ Department of Trade and Industry, Office of Science and Technology, *Science, Engineering, and Technology Statistics 1998* (July 1998), p. 36.
- ¹ HM Treasury and Department of Trade and Industry, *Innovating for the Future: Investing in R&D*, Consultation Document (March 1998).
- ¹ HM Treasury and Department of Trade and Industry, *Innovating for the Future: Investing in R&D*, Consultation Document (March 1998).
- ¹ HM Treasury and Department of Trade and Industry, *Innovating for the Future: Investing in R&D (A Consultation Document)*, March 1998, Chapter 2.
- ¹ HM Treasury and Department of Trade and Industry, *Innovating for the Future: Investing in R&D*, Consultation Document (March 1998).
- ¹ HM Treasury and Department of Trade and Industry, *Innovating for the Future: Investing in R&D (A Consultation Document)*, March 1998, Introduction.
- ¹ Department of Trade and Industry, "Allocation of the Science Budget 1999-00 to 2001-02,"
<http://www.dti.gov.uk/ost/allsb9902/ALLBOOK2.html>
- ¹ Department of Trade and Industry/Office of Science and Technology, *Our Competitive Future: Building the Knowledge Driven Economy*, (London: The Stationery Office Limited, 1998).
- ¹ Economic and Social Research Council, "Innovation Update: The Role of Scientists and Engineers in Technological Change."
- ¹ Energy Information Administration, "United Kingdom: Country Analysis Brief,"
<http://www.eia.doe.gov/emeu/cabs/northsea.html>
- ¹ Energy Information Administration, "United Kingdom: Country Analysis Brief,"
<http://www.eia.doe.gov/emeu/cabs/northsea.html>
- ¹ Department of Trade and Industry, *Conclusions of The Review of Energy Sources for Power Generation and Government Response to Fourth and Fifth Reports of Trade and Industry Committee*, p. 17.
<http://www.dti.gov.uk/public/frame1.html>
- ¹ Energy Information Administration, *Electricity Reform Abroad and U.S. Investment*, DOE/EIA-0616 (October 1997), p. 32.

¹ Energy Information Administration, *Electricity Reform Abroad and U.S. Investment*, DOE/EIA-0616 (October 1997), pp.29-30.

¹ Personal communication with Jonathan Temple, Science and Technology Liaison, Embassy of the United Kingdom, Washington, DC.

¹ U.S. Department of Energy, Energy Information Administration, "Electricity Restructuring and Privatization in the United Kingdom," *Electricity Reform Abroad and U.S. Investment* (Washington, DC: U.S. Government Printing Office 1997, pp.15-17.

¹ John Chesshire, "UK Electricity Supply Under Public Ownership," in John Surrey (ed.), *The British Electricity Privatization Experiment, Privatization: The Record, The Issues, The Lessons* (London: Earthscan, 1996), p. 19; Energy Information Administration, *Electricity Reform Abroad and U.S. Investment* DOE/EIA-0616 (October 1997), pp. 13-38.

¹ <http://www.dti.gov.uk/public/frame1.html>

¹ Department of Trade and Industry, "Regulating Energy Markets," <http://www.dti.gov.uk/COMMS/dtiexweb/pages/pg07d.htm>

¹ U.S. Department of Energy, Energy Information Administration, "Electricity Restructuring and Privatization in the United Kingdom," *Electricity Reform Abroad and U.S. Investment* (Washington, DC: U.S. Government Printing Office 1997, pp.13-14.

¹ Catherine Mitchell, *Renewable Energy in the UK: Policies for the Future* (London: Council for the Protection of Rural England, 1998), as reported in Curtis Moore and Jack Ihle, "Renewable Energy Policy Outside the United States," Renewable Energy Policy Project Issue Brief No. 14 (October 1999), pp. 12-13.

¹ U.S. Department of Energy, Energy Information Administration, "Electricity Restructuring and Privatization in the United Kingdom," *Electricity Reform Abroad and U.S. Investment* (Washington, DC: U.S. Government Printing Office 1997, 30.

¹ International Energy Agency, *Energy Policies of IEA Countries: The United Kingdom 1998 Review* (Paris: OECD, 1998), p. 29. According to U.S. Department of Energy projections, however, the United Kingdom is likely to re-attain and exceed its 1990 carbon dioxide emissions level by the first Kyoto Protocol reporting period of 2008-2012. See: Energy Information Administration, *International Energy Outlook 1999* (Washington, DC: U.S. Government Printing Office 1999), p. 151.

¹ European Council, "Community Strategy on Climate Change, Council Conclusions," (Brussels, 23 March 1998).

¹ Department of Trade and Industry, *Shaping Change* (London: The Stationery Office Limited, 1997), quoted in: International Energy Agency, *Energy Policies of IEA Countries: The United Kingdom 1998 Review* (Paris: OECD, 1998), p. 29.

¹ Department of Trade and Industry, "John Battle Launches Bidding for Fifth Non-Fossil Fuel Obligation," Press Release, November 25, 1997, <http://www.coi.gov.uk/coi/depts/GTI/coi5019d.ok>

¹ Department of Trade and Industry, *New and Renewable Energy: Prospects for the 21st Century* (London: Department of Trade and Industry, 1999), p. 22.

¹ Conversation with Chris Naish, AEA Technology Environment/ETSU, 28 July 1999.

¹ White Paper, "Conclusions of the Review of Energy Sources for Power Generation," Presented to Parliament by the Secretary of State of Trade and Industry by Command of Her Majesty, October 1998, pp. 23-24.

¹ White Paper, "Conclusions of the Review of Energy Sources for Power Generation," Presented to Parliament by the Secretary of State of Trade and Industry by Command of Her Majesty, October 1998, pp. 23-28; Department of Trade and Industry, "The Government's Policy for Clean Coal Technologies," http://www.dti.gov.uk/ent/coal/cleaner_coal/html/back.html

¹ White Paper, "Conclusions of the Review of Energy Sources for Power Generation," Presented to Parliament by the Secretary of State of Trade and Industry by Command of Her Majesty, October 1998, p. 20.

¹ Department of Trade and Industry, Office of Science and Technology, *Science, Engineering, and Technology Statistics 1998*, Office of Science and Technology, <http://www.dti.gov.uk/ost/SETstats98/>

¹ International Energy Agency, *Energy Policies of IEA Countries: The United Kingdom 1998 Review* (Paris: OECD, 1998), pp. 97-98.

¹ International Energy Agency, *Energy Policies of IEA Countries: The United Kingdom, 1998 Review* (Paris: OECD, 1998), p. 98.

¹ International Energy Agency, *Energy Policies of IEA Countries: The United Kingdom, 1998 Review* (Paris: OECD, 1998), pp. 100-101.

¹ International Energy Agency, *Energy Policies of IEA Countries: The United Kingdom, 1998 Review* (Paris: OECD, 1998), pp. 98-99; Department of Trade and Industry, Office of Science and Technology, *Science, Engineering, and Technology Statistics 1998* (July 1998), p. 101.

¹ Department of Environment, Transport, & the Regions, <http://www.research.detr.gov.uk/strat1999.htm#1>

¹ Alliance to Save Energy, *Update* (Spring 1999), p. 10.

¹ Energy Efficiency Best Practice Programme, <http://www.energy-efficiency.gov.uk/index.htm>

¹ International Energy Agency, *Energy Policies of IEA Countries: The United Kingdom, 1998 Review* (Paris: OECD, 1998), pp. 100.

¹ Department of Environment, Transport, & the Regions, <http://www.research.detr.gov.uk/strat1999.htm#1>

¹ This figure includes the renewable energy R&D budgets of the Department of Trade and Industry (\$15 million) and the Engineering and Physical Sciences Research Council (\$5 million).

¹ Department of Trade and Industry, *New and Renewable Energy: Prospects for the 21st Century* (London: Department of Trade and Industry, 1999), pp. 27-29, 68.

¹ Engineering and Physical Sciences Research Council, <http://www.epsrc.ac.uk/epsrcgrants/portfolio.asp>

¹ This figure includes the Department of Trade and Industry's budgets for clean coal technology (\$5 million), offshore geology (\$1.5 million), and the Hydrocarbons Additional Recovery Programme (\$3.3 million).

¹ Department of Trade and Industry, <http://www.dti.gov.uk/public/frame1.html>

¹ Department of Trade and Industry, Office of Science and Technology, *Science, Engineering, and Technology Statistics 1998* (July 1998), p. 101.

¹ Department of Trade and Industry, <http://www.dti.gov.uk/drawmops/backgrnd.html>

¹ Department of Trade and Industry, <http://www.dti.gov.uk/drawmops/backgrnd.html>

¹ International Energy Agency, *Energy Policies of IEA Countries: The United Kingdom, 1998 Review* (Paris: OECD, 1998), pp. 98-99; Department of Trade and Industry, Office of Science and Technology, *Science, Engineering, and Technology Statistics 1998* (July 1998), p. 99.

¹ Department for International Development, *Departmental Report 1998-1999* (London: The Stationery Office Limited, 1998), p. 37.