

Information on nuclear power

This leaflet lists publications on nuclear power available free from some of the main organisations concerned with its development and operation in the UK. Their addresses are given on the back cover.

Annual Reports (A charge may be made)

Annual Reports for the current year of:

British Nuclear Fuels Limited
Central Electricity Generating Board
Electricity Council
South of Scotland Electricity Board
United Kingdom Atomic Energy Authority

General Information on Atomic Energy

British Nuclear Forum (BNF)

Nuclear power and the Non-Proliferation Issue

Booklet describing the background to this issue and outlining measures designed to ensure that nuclear power can be made available without contributing to the proliferation of nuclear weapons.

The Need for Nuclear Power

12-page leaflet which examines our energy future and discusses relative costs.

British Nuclear Fuels Limited (BNFL)

Energy from the Atom: I Nuclear Power

12-page leaflet, pocket-size outlining principles of nuclear fission and giving a simple guide to main reactor types.

Energy from the Atom: II Nuclear Fuel

Companion leaflet to the above. 16 pages with photographs and diagrams, describing the nuclear fuel cycle and the processes involved.

Who Needs Nuclear Power?

A 20-page colour brochure based on the 1979 Industrial Lecture given by Dr D A Avery, Deputy Managing Director, BNFL, for Science and Technology on Merseyside.

Central Electricity Generating Board (CEGB)

Nuclear know-how

Designed for school children. Basic principles of fission in comic strip presentation.

Nuclear Electricity – A Progress Report

A talk by Glyn England, CEGB Chairman.

Energy and Nuclear Power

Folder giving details of a free talks service for England and Wales provided by the CEGB.

Power for the Future

The second in a series of folders, issued as part of the CEBG's free talks service, discusses future energy demand and how to meet it.

Fuel for Electricity

The third in a series of folders issued as part of the CEBG's free talks service.

The CEBG and Nuclear Power – Questions and Answers

76-page booklet which provides a nuclear reference document in a lively question and answer form. As far as possible the questions cover topics that have been raised in debate and discussion.

CEBG Experience of Public Communication

8-page newsletter outlining the CEBG's practice and experience of public communication on the commercial use of nuclear power.

Department of Energy

Fact sheet 6: Nuclear Energy in the UK – Power from the Nucleus

Booklet providing a simplified guide to the technology employed in harnessing nuclear energy for generating electricity.

Explanations of some of the nuclear terminology in growing daily use are offered.

The Electricity Council

A Review of Nuclear Power in the United Kingdom

Lecture given by Sir Francis Tombs, Chairman of the Electricity Council to the Institution of Electrical and Electronic Technician Engineers. 13-page leaflet.

Nuclear Power and the Public Good

Lecture given by Sir Francis Tombs to the British Nuclear Energy Society. 10-page leaflet.

British Nuclear Achievements

Paper presented by Sir Francis Tombs to the Diamond Jubilee Conference of the Institution of Engineers, Australia. 24-page illustrated booklet.

The Need for Nuclear Energy

An 'Understanding Electricity' publication primarily intended for schools.

United Kingdom Atomic Energy Authority (UKAEA)

Nuclear Power in Britain

Illustrated folder/wall chart outlining Britain's growing nuclear power programme.

Scotland and Nuclear Power

Leaflet describing the role played by Scotland in the development of nuclear power.

Atoms at Work

A pocket-sized booklet, describing in simple terms the theory of nuclear fission and fusion, the types of reactor developed in the UK and the use of radioisotopes.

Nuclear Power: How and Why

Leaflet explaining why we need nuclear power, how it works, how safe it is and why it is important to Britain.

Energy and the Need for Nuclear Power

Leaflet outlining the energy situation faced by Britain and the world and the part that nuclear power can play.

Using Radioactivity

Leaflet describing medical, agricultural, industrial and other non-energy uses of radioactivity.

Nuclear fusion: power for the next century

Leaflet outlining the theory and progress of nuclear fusion and its significance as a source of energy in the next century.

Nuclear Energy: Today's Power for Tomorrow's Generation

Booklet based on an exhibition designed to be shown at schools. It explains how nuclear power works, the stage of development it has reached in Britain, what it costs and how safe it is.

Dounreay

A pocket-sized guidebook to the Dounreay Nuclear Power Development Establishment, centre of fast reactor research and development in Britain.

Glossary of Atomic Terms

ATOM

Monthly information bulletin of the UKAEA. Reprints from ATOM, available as separate leaflets, include:

Decommissioning Nuclear Reactors

Reactor Accidents and the Environment

High-level Waste Management Research

A Low Energy Strategy for the UK

The Quest for Public Acceptance of Nuclear Power

The "Renewables" and the Environment

The Driving Forces of Proliferation

The 136 MeV LINAC

The Fast Reactor and Energy Supply

Radiation and Human Health

The Use of Plutonium

South of Scotland Electricity Board (SSEB)

The principles of Reactor Engineering

A 16-page paper by S A Ghalib, Consultant to SSEB. Illustrated lecture given to the Institution of Electrical Engineers.

A Fuels Policy for the UK into the 21st century

Paper presented by A F Pexton, Director of Engineering, SSEB to the British Nuclear Energy Society. Illustrated booklet.

Nuclear Power Stations

BNFL

Calder Hall

16-page booklet outlining Calder Hall's role in UK electricity generation.

Chapelcross

16-page booklet describing the history, development and local impact of Chapelcross, together with a brief description of the electricity generating process.

CEGB

Nuclear Generation

Broadsheet on the film of the same name, detailing the functions of local liaison committees and giving an insight into the continuous vigilance applied to the safe operation of nuclear power stations.

CEGB Experience in Selecting and Developing Nuclear Power Station Sites

Reprint from Nuclear Engineering International by K M Gammon, Generation Development Engineer, CEGB HQ Planning Department.

SSEB

Torness Nuclear Power Station

12-page booklet outlining the background to and the planned development of Scotland's second AGR station.

Torness and Nuclear Power – Your Questions Answered
Folded leaflet containing 20 questions and answers on the Torness project in particular and on nuclear fission in general.

UKAEA

The Fast Reactor

Pocket-sized leaflet explaining in non-technical terms the development of the fast reactor.

Nuclear Power Company (NPC)

Hartlepool Nuclear Power Station

Leaflet outlining the AGR concept and describing the Hartlepool AGR.

UKAEA and NPC

Nuclear Power Reactors

A booklet describing the main types of nuclear reactor in use in the world.

The Nuclear Industry

CEGB

Nuclear Power . . . Its Integration into a Large Utility

28-page booklet relates how the electricity supply industry in England and Wales has absorbed nuclear power and successfully put it to use alongside older techniques for the benefit of the electricity consumer and the nation as a whole.

Transport of Irradiated Nuclear Fuel

This booklet contains the main points made by speakers from the CEGB and British Rail on the transport by rail through London of containers of irradiated fuel elements.

Department of Energy

Fact Sheet 5: Nuclear Energy in the UK: Organisation

Booklet describing how the nuclear industry is organised and how its operations are independently controlled in the interests of health, safety and the environment.

NPC

NPC: Britain's Nuclear Power Company

12-page booklet describing the origins and present activities of the Nuclear Power Company.

Nuclear Fuel Cycle

BNFL

Nuclear Fuel Cycle Services

A 12-page brochure describing the fuel cycle and BNFL's major commercial activities.

Fuel Manufacturing Services

Companion to the above, concentrating on the manufacture of nuclear fuel.

Nuclear Fuel Reprocessing: Safety and Technical Services

A 12-page technical booklet outlining the design criteria and technical methods involved in the safety of a reprocessing plant.

Fuel Manufacturing Technology and Production Facilities at BNFL, Springfields

A 20-page technical booklet outlining activities of BNFL's production plant at Springfields.

BNFL at the heart of Nuclear Power

A leaflet outlining BNFL's main activities.

Irradiated Fuel Cycle

A 26-page technical booklet reviewing the status of the reprocessing industry

The BNFL Guide to Uranium Isotopic Reference Standards

A 12-page data booklet listing the reference standards for accurate uranium isotopic analysis.

Windscale: Nuclear Fuel Recycling

A leaflet describing the BNFL Windscale nuclear fuel recycling film.

Non-Nuclear Products

BNFL

REFEL Silicon Carbide

An 8-page technical brochure describing the applications and properties of REFEL silicon carbide.*

*REFEL is a registered trademark of the United Kingdom Atomic Energy Authority.

Catalogues

CEGB

CEGB Film Catalogue

Includes both nuclear and non-nuclear films.

CEGB Publications List

Gives details of all the Board's publications.

UKAEA

Atom on Film

Films and slide-tapes produced by the UKAEA, available from Golden Films Ltd, Windsor.

Safety and Nuclear Power

BNF

Nuclear Safety

Booklet outlining safety standards in the UK nuclear industry and examining some of the issues which give rise to public concern about nuclear energy.

BNFL

Working with Radiation

32-page booklet on the nature of radioactivity and the rules which must be followed by people working with radioactive materials.

Uranium: the heavy metal and how to handle it

Fact sheets giving technical information about uranium and uranium compounds.

CEGB

Nuclear Power and Safety

16-page illustrated booklet, with colour illustrations, by R R Matthews, Director of Health and Safety, CEGB.

Nuclear Power and the Environment

An article which first appeared in the Board's research periodical, now reprinted as a 14-page booklet.

UKAEA

How Safe is Nuclear Power?

Leaflet setting out some of the major factors relating to the safety of nuclear power.

Nuclear Waste Disposal

BNF

Nuclear Waste Disposal

Booklet about how nuclear waste arises and the various methods used to deal with it.

UKAEA

Radioactive Waste

32-page booklet dealing with the management and disposal of highly-active waste, based on Dr L E J Roberts' lecture to the British Nuclear Energy Society in November 1978.

Speakers

Some organisations offer talks services on energy and nuclear power. The speakers include scientists and engineers and their talks are often illustrated with slides and films.

The talks are designed to help the public reach a better understanding of the issues involved.

Requests for speakers are invited from clubs, societies, schools, colleges and other groups and can be made to: UKAEA, CEGB, BNFL, NPC and SSEB.

The Publications listed are available from:

Information Services Branch
UK Atomic Energy Authority
11 Charles II Street
London SW1Y 4QP

Public Relations Department
The Electricity Council
30 Millbank
London SW1P 4RD

Press and Publicity Office
CEGB
Sudbury House
15 Newgate Street
London EC1A 7AU

Public Relations Department
South of Scotland Electricity Board
Cathcart House
Spean Street
Glasgow G44 4BE

British Nuclear Forum
1 St Alban's Street
London SW1Y 4SL

Information Services Department
British Nuclear Fuels Ltd
Risley
Warrington WA3 6AS

Information Services Department
Nuclear Power Company Limited
Cambridge Road
Whetstone
Leicester LE8 3HL

Department of Energy
The Library
Thames House South
Millbank
London SW1P 4QJ