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Our energy future - creating a low carbon economy

From heating and lighting to transport, industry and communications, energy is fundamental to almost everything we do. We expect it to be available whenever we want it, to be affordable, safe and environmentally sustainable.

[Our energy future - creating a low carbon economy](#) (PDF , 1785Kb) defines a long-term strategic vision for energy policy combining our environmental, security of supply, competitiveness and social goals. It builds on the [Performance and Innovation Unit's Energy Review](#), published in February 2002, and on other reports which have looked at major areas of energy policy.

The implementation of the White Paper is being taken forward via the [Sustainable Energy Policy Network \(SEPN\)](#)

Because energy requires very long-term investment we look ahead to 2050 to set the over: face on the environment, the decline of our indigenous energy supplies and the need to up policies we need to pursue over the next twenty years and beyond to meet these challenge

As we address these three challenges, we will have four goals for our energy policy:

- to put ourselves on a path to cut the UK's carbon dioxide emissions - the main con 60% by about 2050 with real progress by 2020;
- to maintain the reliability of energy supplies;
- to promote competitive markets in the UK and beyond, helping to raise the rate of s improve our productivity; and
- to ensure that every home is adequately and affordably heated.

The white paper has been formulated through wide [consultation](#) and analysis. Key support alongside the white paper and summary.

Title

Complete White Paper

Complete White Paper (Text Version)

Contents of White Paper

Introduction

Section One - Overview

Chapter 1 Cleaner, smarter energy

Section Two - The Low Carbon Economy

Chapter 2 The Environment

Chapter 3 Energy Efficiency**Chapter 4 Low carbon generation****Chapter 5 Clean low carbon transport**

Section Three - Reliable, competitive and affordable suppliers

Chapter 6 Energy reliability**Chapter 7 Productivity, competitiveness, innovation****Chapter 8 Energy and the vulnerable**

Section Four - Delivery through partnership

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Annexes

Annex A Glossary**Annex B References**

White Paper Summaries

English Version**French Version****German Version****Spanish Version****Welsh Version****Arabic Version****Chinese Version****Gaelic Version****Russian Version**

Japanese Version (Please note in order to view this document you must install the Japan Package, which you can download from www.adobe.com/products/acrobat/acrasianfontp.)

Annexes •Four papers covering on Long term low carbon options, Energy and emis derivations of baselines, Sustainable development appraisal/RIA and Background c cuts of between 15-25 million tonnes of carbon in 2020.

Related documents**Title**

The UK Governments response to the 22nd report of the Royal Commission on Env
[links to DEFRA web site]

Supporting analysis**Title**

Energy White Paper: Addressing the PIU Recommendations

White paper modelling - use of the MARKAL energy model

Future Energy Solutions: Options for a low carbon future - phase 2

NERA study on Security in gas and electricity markets, October 2002

NERA study on Energy markets and capacity obligation, December 2002

Ilex: Quantifying the system costs of additional renewables in 2020

Estimates of primary energy demand and electricity generation - DTI note

The scientific case for setting a long-term emission reduction target [*links to DEFRA*]

Ancillary effects of greenhouse gas mitigation policies [*links to DEFRA web site*]

Sectoral Energy And Emissions Projections in the White Paper

Related Government reports

Title

Powering future vehicles

Second Joint Energy Security of Supply Working Group (JESS report)

UK Energy sector indicators

Delivering Energy Efficiency Savings [*paper by DEFRA*]

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