

# Contents

	<b>Page</b>
Introduction	5
Contact list	9
Comparison of table numbers	10
Chapter 1      Energy	11
Chapter 2      Solid fuels and derived gases	39
Chapter 3      Petroleum	61
Chapter 4      Gas	97
Chapter 5      Electricity	111
Chapter 6      Combined heat and power	147
Chapter 7      Renewable sources of energy	167
Annex A      Energy and commodity balances, calorific values and conversion factors	197
Annex B      Glossary	209
Annex C      Further sources	221
Annex D      Major events in the energy industry	227
Annex E      Energy and the environment	253
Annex F      UK oil and gas resources	257
Annex G      Foreign trade	269
Index Page      Long Term Trends	287

Monthly and quarterly data are also available for Energy, Solid fuels and derived gases, Petroleum, Gas and Electricity at:

[www.dti.gov.uk/energy/statistics/source/index.html](http://www.dti.gov.uk/energy/statistics/source/index.html)

Information on Energy Prices is available at:

[www.dti.gov.uk/energy/statistics/publications/prices/index.html](http://www.dti.gov.uk/energy/statistics/publications/prices/index.html)

# A list of tables

Table number		Page
<b>Chapter 1 Energy</b>		
1.1-1.3	Aggregate energy balance	27
1.4-1.6	Value balance of traded energy	30
1.7	Sales of electricity and gas by sector	33
1.8	Final energy consumption by main industrial groups	34
1.9	Fuels consumed for electricity generation (autogeneration) by main industrial groups	36
<b>Chapter 2 Solid fuels and derived gases</b>		
2.1-2.3	Coal: Commodity balances	49
2.4-2.6	Manufactured fuels: Commodity balances	52
2.7	Supply and consumption of coal	55
2.8	Supply and consumption of coke oven coke, coke breeze and other manufactured solid fuels	56
2.9	Supply and consumption of coke oven gas, blast furnace gas, benzole and tars	57
2.10	Major deep mines in production, March 2005	58
2.11	Opencast sites in production, March 2005	59
<b>Chapter 3 Petroleum</b>		
3.1-3.3	Primary oil: Commodity balances	83
3.4-3.6	Petroleum products: Commodity balances	86
3.7	Supply and disposal of petroleum	92
3.8	Additional information on inland deliveries of selected products	93
3.9	Inland deliveries by country	94
3.10	Stocks of crude oil and petroleum products at end of year	95
<b>Chapter 4 Gas</b>		
4.1	Commodity balances	108
4.2	Supply and consumption of natural gas and colliery methane	109
4.3	UK continental shelf and onshore natural gas production and supply	110
<b>Chapter 5 Electricity</b>		
5.1	Commodity balances	126
5.2	Electricity supply and consumption	128
5.3	Commodity balances, public distribution system and other generators	129
5.4	Fuel used in generation	130
5.5	Electricity supply, electricity supplied (net), electricity available and electricity consumption	131
5.6	Electricity fuel use, generation and supply	132
5.7	Plant capacity – United Kingdom	134
5.8	Plant capacity – England and Wales, Scotland, Northern Ireland	135
5.9	Capacity of other generators	135
5.10	Plant loads, demand and efficiency	136
5.11	Power stations in the United Kingdom, May 2005	137
5.12	Large scale CHP schemes in the United Kingdom, December 2004	144
<b>Chapter 6 Combined heat and power</b>		
6.1	CHP installations by capacity and size range	156
6.2	Fuel used to generate electricity and heat in CHP plants	156
6.3	Fuel used by types of CHP installation	157
6.4	CHP - electricity generated by fuel and type of installation	158

6.5	CHP - electrical capacity by fuel and type of installation	159
6.6	CHP - heat generated by fuel and type of installation	160
6.7	CHP - heat capacity by fuel and type of installation	161
6.8	CHP capacity, output and total fuel use by sector	162
6.9	CHP - use of fuels by sector	165
<b>Chapter 7 Renewable sources of energy</b>		
7.1-7.3	Commodity balances	184
7.4	Capacity of, and electricity generated from, renewable sources	190
7.5	Electricity generated from renewable sources on Renewables Obligation and Renewables Directive bases	191
7.6	Renewable orders and operational capacity	192
7.7	Renewable sources used to generate electricity and heat	194
<b>Annex A Energy, commodity balances, calorific values and conversion factors</b>		
	Standard conversion factors	205
A.1	Estimated average calorific values of fuels	206
A.2	Estimated average gross calorific values of fuels 1980, 1990 and 2000 to 2004	207
A.3	Estimated average net calorific values of fuels, 1980, 1990 and 2000 to 2004	208
<b>Annex F UK oil and gas resources</b>		
F.1	Crude oil and Natural Gas liquids production	265
F.2	Gas production	266
F.3	Natural gas liquids net production	267
F.4	Disposals of crude oil	268
<b>Annex G Foreign trade</b>		
G.1	Imports and exports of fuels	277
G.2	Value of imports and exports of fuels	278
G.3	Imports and exports of crude oil and petroleum products	280
G.4	Imports and exports of crude oil by country	282
G.5	Imports and exports of solid fuel	284