

Annex I

Energy balance: Net Calorific Values

Aggregate energy balance (Table I.1)

I.1 These tables show the flows of energy in the United Kingdom from production to final consumption through conversion into secondary fuels such as coke, petroleum products, secondary electricity and heat sold using Net Calorific Values (NCV). The NCVs used are detailed in Annex A of DUKES.

I.2 A key reason for showing these balances on a NCV basis is to enable comparisons with EU statistics, which use this method. This approach has been used when comparing EU Member States' shares of renewables in final energy consumption, as set out on pages 78 to 88 of the December 2010 Energy Trends article, Renewable energy: Statistics used for the EU 2020 renewables target.

I.3 The principles behind the presentation used in the Digest are explained in Annex A. The figures are presented on an energy supplied basis, in tonnes of oil equivalent.

I.4 These energy balance tables have been used in the calculation of the percentage of energy derived from renewable sources, detailed in table 6D on page 166 of DUKES. The contribution of renewables has continued to grow in recent years, with the share reaching 8.8 per cent in 2015.

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I.1 Aggregate energy balance 2015

Net calorific values

Thousand tonnes of oil equivalent

	Coal	Manufactured fuel(1)	Primary oils	Petroleum products	Natural gas(2)	Bioenergy & waste(3)	Primary electricity	Electricity	Heat	Total
Supply										
Indigenous production	5,115	-	47,027	-	35,659	8,185	20,136	-	-	116,123
Imports	15,153	805	52,466	32,872	38,104	3,226	-	1,953	-	144,579
Exports	-275	-79	-34,953	-23,724	-12,504	-315	-	-153	-	-72,002
Marine bunkers	-	-	-	-2,438	-	-	-	-	-	-2,438
Stock change (4)	+3,175	+46	-17	-761	+272	-	-	-	-	+2,714
Primary supply	23,167	772	64,523	5,949	61,531	11,096	20,136	1,800	-	188,976
Statistical difference(5)	+152	+3	-23	+87	+141	-	-	+144	-	+504
Primary demand	23,015	769	64,546	5,863	61,390	11,096	20,136	1,657	-	188,472
Transfers	-	+30	-1,323	+1,357	-33	-	-4,657	+4,657	-	+31
Transformation	-21,323	808	-63,223	62,096	-18,447	-7,020	-15,479	24,264	1,423	-36,900
Electricity generation	-17,333	-769	-	-560	-16,481	-6,965	-15,479	24,264	-	-33,323
Major power producers	-17,322	-	-	-192	-14,390	-3,376	-15,479	21,791	-	-28,968
Autogenerators	-11	-769	-	-368	-2,091	-3,589	-	2,473	-	-4,355
Heat generation	-126	-48	-	-59	-1,966	-55	-	-	1,423	-830
Petroleum refineries	-	-	-63,651	63,249	-	-	-	-	-	-401
Coke manufacture	-2,672	2,572	-	-	-	-	-	-	-	-100
Blast furnaces	-1,043	-1,103	-	-	-	-	-	-	-	-2,146
Patent fuel manufacture	-150	156	-	-68	-	-	-	-	-	-61
Other(7)	-	-	428	-467	-	-	-	-	-	-39
Energy industry use	-	683	-	4,083	4,463	-	-	2,186	270	11,685
Electricity generation	-	-	-	-	-	-	-	1,434	-	1,434
Oil and gas extraction	-	-	-	711	3,876	-	-	52	-	4,639
Petroleum refineries	-	-	-	3,372	89	-	-	414	270	4,145
Coal extraction	-	-	-	-	14	-	-	43	-	57
Coke manufacture	-	302	-	-	-	-	-	4	-	306
Blast furnaces	-	381	-	-	25	-	-	30	-	436
Patent fuel manufacture	-	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	84	-	84
Other	-	-	-	-	460	-	-	126	-	586
Losses	-	221	-	-	503	-	-	2,361	-	3,085
Final consumption	1,693	704	-	65,233	37,944	4,076	-	26,031	1,152	136,833
Industry	1,275	452	-	3,709	7,311	929	-	7,940	695	22,311
Unclassified	-	12	-	2,873	1	929	-	-	-	3,814
Iron and steel	30	441	-	6	416	-	-	317	-	1,209
Non-ferrous metals	12	-	-	0	153	-	-	378	-	543
Mineral products	639	-	-	168	1,217	-	-	520	-	2,545
Chemicals	44	-	-	114	1,171	-	-	1,342	260	2,930
Mechanical engineering etc	8	-	-	-	445	-	-	542	-	994
Electrical engineering etc	4	-	-	1	191	-	-	513	-	709
Vehicles	40	-	-	186	358	-	-	414	-	999
Food, beverages etc	36	-	-	99	1,589	-	-	923	-	2,647
Textiles, leather etc	44	-	-	40	395	-	-	230	-	709
Paper, printing etc	68	-	-	27	609	-	-	911	-	1,614
Other industries	346	-	-	30	442	-	-	1,734	435	2,987
Construction	4	-	-	165	325	-	-	115	-	609
Transport (6)	9	-	-	50,468	-	938	-	385	-	51,800
Air	-	-	-	11,944	-	-	-	-	-	11,944
Rail	9	-	-	624	-	-	-	377	-	1,009
Road	-	-	-	37,273	-	938	-	8	-	38,220
National navigation	-	-	-	627	-	-	-	-	-	627
Pipelines	-	-	-	-	-	-	-	-	-	-
Other	409	159	-	3,861	30,225	2,209	-	17,706	458	55,027
Domestic	396	159	-	2,324	22,629	1,777	-	9,300	52	36,637
Public administration	4	-	-	310	2,855	109	-	1,653	389	5,320
Commercial	3	-	-	633	3,890	60	-	6,402	17	11,004
Agriculture	-	-	-	341	69	262	-	351	-	1,023
Miscellaneous	5	-	-	254	784	0	-	-	-	1,042
Non energy use	-	93	-	7,195	408	-	-	-	-	7,696

(1) Includes all manufactured solid fuels, benzole, tars, coke oven gas and blast furnace gas.

(2) Includes colliery methane.

(3) Includes geothermal and solar heat.

(4) Stock fall (+), stock rise (-).

(5) Primary supply minus primary demand.

(6) See paragraphs 5.12 regarding electricity use in transport and 6.41 regarding renewables use in transport.

I.1 Aggregate energy balance 2014

Net calorific values

Thousand tonnes of oil equivalent

	Coal	Manufactured fuel(1)	Primary oils	Petroleum products	Natural gas(2)	Bioenergy & waste(3)	Primary electricity	Electricity	Heat	Total
Supply										
Indigenous production	6,925	-	41,478r	-	33,148r	7,004r	17,453r	-	-	106,008r
Imports	26,202r	668	55,701r	30,074r	36,901r	2,812r	-	1,999r	-	154,356r
Exports	-303r	-79	-32,060r	-23,490r	-9,911r	-314r	-	-234r	-	-66,391r
Marine bunkers	-	-	-	-2,824r	-	-	-	-	-	-2,824r
Stock change (4)	-3,079r	-150	-615r	+294r	-184r	-	-	-	-	-3,734r
Primary supply	29,744r	439	64,504r	4,054r	59,953r	9,503r	17,453r	1,764r	-	187,415r
Statistical difference(5)	+23r	-4r	-39r	-120r	-98r	-	-	-104r	-	-342r
Primary demand	29,721r	443r	64,543r	4,174r	60,051r	9,503r	17,453r	1,868r	-	187,757r
Transfers	-	+8	-1,632r	+1,638r	-11	-	-3,603r	+3,603r	-	+3r
Transformation	-27,773r	1,384r	-62,911r	61,369r	-18,841r	-5,715r	-13,850r	25,227r	1,445r	-39,664r
Electricity generation	-22,751r	-895r	-	-511r	-16,858r	-5,670r	-13,850r	25,227r	-	-35,309r
Major power producers	-22,740	-	-	-165	-14,697	-2,622	-13,850r	22,918	-	-31,156r
Autogenerators	-11r	-895r	-	-346r	-2,161r	-3,048r	-	2,309r	-	-4,153r
Heat generation	-160r	-48	-	-61r	-1,983r	-44r	-	-	1,445r	-852r
Petroleum refineries	-	-	-63,328r	62,472r	-	-	-	-	-	-856r
Coke manufacture	-3,595	3,370	-	-	-	-	-	-	-	-224
Blast furnaces	-1,093	-1,229	-	-	-	-	-	-	-	-2,322
Patent fuel manufacture	-174	185	-	-74	-	-	-	-	-	-63
Other(7)	-	-	417r	-456r	-	-	-	-	-	-39r
Energy industry use	0	763	-	3,841r	4,045r	-	-	2,193r	285	11,128r
Electricity generation	-	-	-	-	-	-	-	1,417r	-	1,417r
Oil and gas extraction	-	-	-	674r	3,513r	-	-	46r	-	4,233r
Petroleum refineries	-	-	-	3,167r	88r	-	-	419r	285	3,960r
Coal extraction	0	-	-	-	13r	-	-	57r	-	71r
Coke manufacture	-	349	-	-	-	-	-	7	-	356
Blast furnaces	-	413	-	-	26r	-	-	38	-	477
Patent fuel manufacture	-	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	86	-	86
Other	-	-	-	-	405r	-	-	123r	-	528r
Losses	-	211	-	-	531r	-	-	2,464r	-	3,205r
Final consumption	1,948r	861r	-	63,340r	36,623r	3,789r	-	26,042r	1,160r	133,763r
Industry	1,523r	559r	-	3,828r	7,224r	664r	-	7,976r	713r	22,486r
Unclassified	-	44	-	3,029r	1	664r	-	-	-	3,738r
Iron and steel	36	514r	-	6r	422r	-	-	326r	-	1,304r
Non-ferrous metals	14	-	-	0r	154r	-	-	385r	-	553r
Mineral products	768r	-	-	172r	1,173r	-	-	539r	-	2,652r
Chemicals	62r	-	-	97r	1,126r	-	-	1,326r	281r	2,891r
Mechanical engineering etc	9	-	-	-	452r	-	-	594r	-	1,055r
Electrical engineering etc	4	-	-	1r	193r	-	-	491r	-	689r
Vehicles	47r	-	-	163r	331r	-	-	415r	-	957r
Food, beverages etc	43r	-	-	110r	1,585r	-	-	915r	-	2,653r
Textiles, leather etc	49r	-	-	40r	400r	-	-	234r	-	724r
Paper, printing etc	89r	-	-	26r	601r	-	-	923r	-	1,639r
Other industries	395r	-	-	26r	457r	-	-	1,708r	432r	3,019r
Construction	5	-	-	157r	329	-	-	120r	-	611r
Transport (6)	9	-	-	49,598r	-	1,168r	-	387r	-	51,163r
Air	-	-	-	11,798	-	-	-	-	-	11,798
Rail	9	-	-	635r	-	-	-	381r	-	1,026r
Road	-	-	-	36,527	-	1,168r	-	6	-	37,701r
National navigation	-	-	-	638r	-	-	-	-	-	638r
Pipelines	-	-	-	-	-	-	-	-	-	-
Other	416r	173	-	3,822r	28,979r	1,956r	-	17,678r	447r	53,473r
Domestic	393r	173	-	2,393r	21,521	1,551r	-	9,314r	52	35,398r
Public administration	16r	-	-	314r	2,861r	107r	-	1,591r	384r	5,273r
Commercial	3	-	-	575r	3,749r	53	-	6,443r	12r	10,834r
Agriculture	-	-	-	290r	69r	245r	-	331r	-	934r
Miscellaneous	5r	-	-	250r	780r	0	-	-	-	1,035r
Non energy use	-	129	-	6,091r	420	-	-	-	-	6,641r

(1) Includes all manufactured solid fuels, benzole, tars, coke oven gas and blast furnace gas.

(2) Includes colliery methane.

(3) Includes geothermal and solar heat.

(4) Stock fall (+), stock rise (-).

(5) Primary supply minus primary demand.

(6) See paragraphs 5.12 regarding electricity use in transport and 6.41 regarding renewables use in transport.

I.1 Aggregate energy balance 2013

Net calorific values

Thousand tonnes of oil equivalent

	Coal	Manufactured fuel(1)	Primary oils	Petroleum products	Natural gas(2)	Bioenergy & waste(3)	Primary electricity	Electricity	Heat	Total
Supply										
Indigenous production	7,575	-	42,208	-	32,870	6,487r	18,462r	-	-	107,603r
Imports	30,516	593	61,225r	29,444r	41,410	1,927r	-	1,507r	-	166,621r
Exports	-425r	-82	-34,362	-27,854	-8,486	-211r	-	-267r	-	-71,687r
Marine bunkers	-	-	-	-2,709r	-	-	-	-	-	-2,709r
Stock change (4)	-754r	-86r	+751	+77	+48	-	-	-	-	+36r
Primary supply	36,912r	424	69,823r	-1,041r	65,842	8,203r	18,462r	1,240r	-	199,864r
Statistical difference(5)	+70r	+0r	-85	-107r	+65r	-	-	-86r	-	-143r
Primary demand	36,842r	424r	69,908r	-934r	65,777r	8,203r	18,462r	1,326r	-	200,007r
Transfers	-	+5	-1,962	+1,960	-5	-	-3,019r	+3,019r	-	-1
Transformation	-34,989r	1,451r	-67,947r	66,466r	-17,812r	-4,664r	-15,443r	27,546r	1,347r	-44,046r
Electricity generation	-29,763r	-919	-	-543r	-15,931r	-4,642r	-15,443r	27,546r	-	-39,696r
Major power producers	-29,743	-	-	-217	-13,559	-1,981	-15,443r	25,301	-	-35,642r
Autogenerators	-19r	-919	-	-326r	-2,373r	-2,661r	-	2,245r	-	-4,054r
Heat generation	-214r	-48	-	-57r	-1,881r	-22r	-	-	1,347r	-875r
Petroleum refineries	-	-	-68,420r	67,673r	-	-	-	-	-	-747r
Coke manufacture	-3,819	3,494r	-	-	-	-	-	-	-	-325r
Blast furnaces	-1,019	-1,304	-	-	-	-	-	-	-	-2,322
Patent fuel manufacture	-175	227	-	-90	-	-	-	-	-	-38
Other(7)	-	-	474r	-517r	-	-	-	-	-	-44r
Energy industry use	2	738	-	4,355	4,169	-	-	2,321r	160r	11,745r
Electricity generation	-	-	-	-	-	-	-	1,535r	-	1,535r
Oil and gas extraction	-	-	-	632	3,603	-	-	49	-	4,284
Petroleum refineries	-	-	-	3,723	89	-	-	402r	160r	4,374r
Coal extraction	2	-	-	-	12	-	-	68	-	82
Coke manufacture	-	347	-	-	-	-	-	7	-	353
Blast furnaces	-	392	-	-	28	-	-	38	-	458
Patent fuel manufacture	-	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	88	-	88
Other	-	-	-	-	437	-	-	133r	-	570r
Losses	-	212	-	-	578r	-	-	2,379r	-	3,169r
Final consumption	1,851r	929	-	63,136r	43,213r	3,539r	-	27,191r	1,187r	141,046r
Industry	1,359r	586	-	3,827r	7,268r	545r	-	8,333r	736r	22,654r
Unclassified	-	73	-	3,021r	1	545r	-	-	-	3,640r
Iron and steel	36	513	-	4r	413	-	-	327r	-	1,293r
Non-ferrous metals	13	-	-	0	149r	-	-	381r	-	543r
Mineral products	737	-	-	158r	1,174r	-	-	578r	-	2,648r
Chemicals	52r	-	-	99r	1,174r	-	-	1,421r	325r	3,072r
Mechanical engineering etc	8	-	-	-	445r	-	-	607r	-	1,060r
Electrical engineering etc	4	-	-	1r	202r	-	-	531r	-	737r
Vehicles	35	-	-	169r	347r	-	-	436r	-	987r
Food, beverages etc	30	-	-	121r	1,594r	-	-	953r	-r	2,698r
Textiles, leather etc	40	-	-	42r	399r	-	-	249r	-	730r
Paper, printing etc	67	-	-	29r	629r	-	-	929r	-	1,654r
Other industries	333	-	-	31r	400r	-	-	1,796r	411	2,971r
Construction	5	-	-	152r	340	-	-	126	-	622r
Transport (6)	9	-	-	49,157r	-	1,023r	-	374r	-	50,563r
Air	-	-	-	11,812	-	-	-	-	-	11,812
Rail	9	-	-	627r	-	-	-	371r	-	1,008r
Road	-	-	-	36,026	-	1,023r	-	3	-	37,051r
National navigation	-	-	-	692r	-	-	-	-	-	692r
Pipelines	-	-	-	-	-	-	-	-	-	-
Other	483	210	-	3,916r	35,512r	1,970r	-	18,484r	451r	61,025r
Domestic	460	210	-	2,691r	26,582r	1,616r	-	9,755r	52	41,366r
Public administration	15	-	-	282r	3,438r	110r	-	1,617r	384r	5,846r
Commercial	3	-	-	374r	4,473r	48	-	6,779r	15	11,692r
Agriculture	-	-	-	332r	85r	195r	-	333	-	945r
Miscellaneous	5	-	-	237r	934r	0	-	-	-	1,176r
Non energy use	-	133	-	6,694	433	-	-	-	-	7,260

(1) Includes all manufactured solid fuels, benzole, tars, coke oven gas and blast furnace gas.

(2) Includes colliery methane.

(3) Includes geothermal and solar heat.

(4) Stock fall (+), stock rise (-).

(5) Primary supply minus primary demand.

(6) See paragraphs 5.12 regarding electricity use in transport and 6.41 regarding renewables use in transport.

I.1 Aggregate energy balance 2012

Net calorific values

Thousand tonnes of oil equivalent

	Coal	Manufactured fuel(1)	Primary oils	Petroleum products	Natural gas(2)	Bioenergy & waste(3)	Primary electricity	Electricity	Heat	Total
Supply										
Indigenous production	10,054	-	46,276	-	35,032	5,781	17,482	-	-	114,625
Imports	27,608	147	62,756	27,120	42,525	1,519	-	1,182	-	162,856
Exports	-349	-392	-32,122	-30,885	-11,145	-259	-	-161	-	-75,313
Marine bunkers	-	-	-	-2,643	-	-	-	-	-	-2,643
Stock change (4)	+1,857	+66	-505	+139	-21	-	-	-	-	+1,537
Primary supply	39,170	-179	76,405	-6,269	66,391	7,041	17,482	1,021	-	201,061
Statistical difference(5)	+212	-7	-132	-83	-144	-	-	-49	-	-203
Primary demand	38,958	-171	76,537	-6,186	66,535	7,041	17,482	1,070	-	201,265
Transfers	-	+4	-2,057	+2,033	-4	-	-2,276	+2,276	-	-24
Transformation	-37,296	1,670	-74,480	73,178	-18,699	-4,232	-15,205	28,731	1,533	-44,801
Electricity generation	-32,601	-780	-	-672	-16,757	-4,120	-15,205	28,731	-	-41,405
Major power producers	-31,973	-	-	-374	-14,263	-1,440	-15,205	26,139	-	-37,116
Autogenerators	-628	-780	-	-298	-2,495	-2,680	-	2,591	-	-4,289
Heat generation	-272	-48	-	-77	-1,942	-112	-	-	1,533	-918
Petroleum refineries	-	-	-74,480	73,995	-	-	-	-	-	-485
Coke manufacture	-3,586	3,429	-	-	-	-	-	-	-	-157
Blast furnaces	-713	-1,106	-	-	-	-	-	-	-	-1,818
Patent fuel manufacture	-125	174	-	-68	-	-	-	-	-	-18
Other	-	-	-	-	-	-	-	-	-	-
Energy industry use	3	660	-	4,846	4,359	-	-	2,252	307	12,427
Electricity generation	-	-	-	-	-	-	-	1,545	-	1,545
Oil and gas extraction	-	-	-	629	3,750	-	-	49	-	4,428
Petroleum refineries	-	-	-	4,217	125	-	-	326	307	4,975
Coal extraction	3	-	-	-	15	-	-	71	-	89
Coke manufacture	-	353	-	-	-	-	-	7	-	360
Blast furnaces	-	307	-	-	21	-	-	32	-	360
Patent fuel manufacture	-	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	87	-	87
Other	-	-	-	-	448	-	-	136	-	584
Losses	-	85	-	-	611	-	-	2,485	-	3,181
Final consumption	1,660	757	-	64,179	42,862	2,809	-	27,340	1,226	140,831
Industry	1,152	455	-	4,402	7,083	393	-	8,442	766	22,692
Unclassified	-	48	-	3,609	1	393	-	-	-	4,050
Iron and steel	34	408	-	5	394	-	-	290	-	1,131
Non-ferrous metals	12	-	-	-	146	-	-	432	-	591
Mineral products	706	-	-	158	1,168	-	-	580	-	2,612
Chemicals	46	-	-	116	1,177	-	-	1,500	336	3,175
Mechanical engineering etc	7	-	-	0	452	-	-	608	-	1,067
Electrical engineering etc	3	-	-	2	204	-	-	532	-	741
Vehicles	34	-	-	138	310	-	-	437	-	919
Food, beverages etc	30	-	-	118	1,560	-	-	958	3	2,669
Textiles, leather etc	41	-	-	43	405	-	-	250	-	740
Paper, printing etc	76	-	-	27	548	-	-	934	1	1,586
Other industries	158	-	-	38	392	-	-	1,791	426	2,805
Construction	5	-	-	147	325	-	-	128	-	606
Transport (6)	11	-	-	49,547	-	896	-	367	-	50,820
Air	-	-	-	11,788	-	-	-	-	-	11,788
Rail	11	-	-	632	-	-	-	364	-	1,008
Road	-	-	-	36,344	-	896	-	2	-	37,242
National navigation	-	-	-	783	-	-	-	-	-	783
Pipelines	-	-	-	-	-	-	-	-	-	-
Other	497	176	-	3,818	35,332	1,520	-	18,532	460	60,335
Domestic	481	176	-	2,560	26,704	1,267	-	9,860	52	41,100
Public administration	8	-	-	302	3,346	77	-	1,625	402	5,760
Commercial	3	-	-	370	4,440	41	-	6,714	6	11,575
Agriculture	1	-	-	338	90	135	-	333	-	897
Miscellaneous	4	-	-	246	751	0	-	-	-	1,002
Non energy use	-	126	-	6,411	447	-	-	-	-	6,984

(1) Includes all manufactured solid fuels, benzole, tars, coke oven gas and blast furnace gas.

(2) Includes colliery methane.

(3) Includes geothermal and solar heat.

(4) Stock fall (+), stock rise (-).

(5) Primary supply minus primary demand.

(6) See paragraphs 5.12 regarding electricity use in transport and 6.41 regarding renewables use in transport.

I.1 Aggregate energy balance 2011

Net calorific values

Thousand tonnes of oil equivalent

	Coal	Manufactured fuel(1)	Primary oils	Petroleum products	Natural gas(2)	Bioenergy & waste(3)	Primary electricity	Electricity	Heat	Total
Supply										
Indigenous production	10,955	-	53,998	-	40,760	5,130	17,480	-	-	128,324
Imports	20,329	33	60,276	23,418	45,540	1,661	-	747	-	152,004
Exports	-351	-354	-34,911	-28,627	-14,215	-155	-	-212	-	-78,825
Marine bunkers	-	-	-	-3,089	-	-	-	-	-	-3,089
Stock change (4)	+508	-384	+634	+198	-1,751	-	-	-	-	-796
Primary supply	31,441	-706	79,997	-8,100	70,334	6,636	17,480	535	-	197,618
Statistical difference(5)	-8	-14	-310	+27	+16	-	-	-54	-	-343
Primary demand	31,449	-692	80,307	-8,127	70,318	6,636	17,480	589	-	197,961
Transfers	-	+5	-2,461	+2,425	-5	-	-1,855	+1,855	-	-36
Transformation	-29,772	2,217	-77,846	76,298	-25,693	-3,892	-15,625	29,488	1,388	-43,437
Electricity generation	-24,715	-656	-	-733	-23,918	-3,804	-15,625	29,488	-	-39,964
Major power producers	-23,961	-	-	-326	-21,477	-1,055	-15,625	26,838	-	-35,607
Autogenerators	-754	-656	-	-407	-2,441	-2,749	-	2,650	-	-4,357
Heat generation	-330	-48	-	-72	-1,775	-87	-	-	1,388	-924
Petroleum refineries	-	-	-77,846	77,177	-	-	-	-	-	-669
Coke manufacture	-3,831	3,704	-	-	-	-	-	-	-	-126
Blast furnaces	-721	-980	-	-	-	-	-	-	-	-1,701
Patent fuel manufacture	-175	196	-	-74	-	-	-	-	-	-52
Other	-	-	-	-	-	-	-	-	-	-
Energy industry use	2	623	-	5,085	4,868	-	-	2,185	182	12,945
Electricity generation	-	-	-	-	-	-	-	1,413	-	1,413
Oil and gas extraction	-	-	-	543	4,114	-	-	50	-	4,707
Petroleum refineries	-	-	-	4,542	136	-	-	403	182	5,263
Coal extraction	2	-	-	-	17	-	-	73	-	93
Coke manufacture	-	353	-	-	-	-	-	7	-	360
Blast furnaces	-	270	-	-	35	-	-	22	-	326
Patent fuel manufacture	-	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	81	-	81
Other	-	-	-	-	566	-	-	138	-	704
Losses	-	144	-	-	768	-	-	2,419	-	3,331
Final consumption	1,675	763	-	65,511	38,984	2,744	-	27,328	1,206	138,212
Industry	1,134	439	-	4,243	7,314	431	-	8,801	769	23,132
Unclassified	-	40	-	3,401	2	431	-	-	-	3,874
Iron and steel	36	399	-	4	451	-	-	331	-	1,221
Non-ferrous metals	13	-	-	0	142	-	-	599	-	755
Mineral products	662	-	-	167	1,245	-	-	603	-	2,678
Chemicals	47	-	-	178	1,241	-	-	1,517	350	3,333
Mechanical engineering etc	7	-	-	1	438	-	-	624	-	1,070
Electrical engineering etc	3	-	-	0	196	-	-	549	-	748
Vehicles	36	-	-	129	291	-	-	446	-	902
Food, beverages etc	30	-	-	133	1,588	-	-	973	2	2,726
Textiles, leather etc	43	-	-	46	414	-	-	257	-	760
Paper, printing etc	67	-	-	29	577	-	-	938	1	1,612
Other industries	183	-	-	8	399	-	-	1,832	417	2,839
Construction	6	-	-	147	330	-	-	132	-	615
Transport (6)	11	-	-	50,095	-	1,063	-	366	-	51,535
Air	-	-	-	12,162	-	-	-	-	-	12,162
Rail	11	-	-	612	-	-	-	364	-	986
Road	-	-	-	36,481	-	1,063	-	2	-	37,546
National navigation	-	-	-	840	-	-	-	-	-	840
Pipelines	-	-	-	-	-	-	-	-	-	-
Other	530	188	-	3,801	31,210	1,251	-	18,161	437	55,577
Domestic	504	188	-	2,525	22,705	1,004	-	9,595	52	36,573
Public administration	17	-	-	344	3,325	84	-	1,582	382	5,733
Commercial	4	-	-	407	4,315	29	-	6,645	3	11,402
Agriculture	1	-	-	282	105	134	-	339	-	861
Miscellaneous	5	-	-	243	761	0	-	-	-	1,009
Non energy use	-	135	-	7,372	460	-	-	-	-	7,968

(1) Includes all manufactured solid fuels, benzole, tars, coke oven gas and blast furnace gas.

(2) Includes colliery methane.

(3) Includes geothermal and solar heat.

(4) Stock fall (+), stock rise (-).

(5) Primary supply minus primary demand.

(6) See paragraphs 5.12 regarding electricity use in transport and 6.41 regarding renewables use in transport.

I.1 Aggregate energy balance 2010

Net calorific values

Thousand tonnes of oil equivalent

	Coal	Manufactured fuel(1)	Primary oils	Petroleum products	Natural gas(2)	Bioenergy & waste(3)	Primary electricity	Electricity	Heat	Total
Supply										
Indigenous production	10,854	-	65,450	-	51,476	4,957	15,117	-	-	147,854
Imports	16,837	87	57,115	24,403	45,855	1,734	-	614	-	146,645
Exports	-511	-367	-43,667	-26,851	-13,651	-164	-	-385	-	-85,597
Marine bunkers	-	-	-	-2,779	-	-	-	-	-	-2,779
Stock change (4)	+4,357	-154	-39	+612	+1,182	-	-	-	-	+5,957
Primary supply	31,537	-434	78,858	-4,615	84,862	6,526	15,117	229	-	212,080
Statistical difference(5)	+609	-14	-23	+62	-2	-	-	-36	-	+596
Primary demand	30,928	-420	78,881	-4,678	84,864	6,526	15,117	265	-	211,484
Transfers	-	+20	-2,613	+2,601	-20	-	-1,192	+1,192	-	-12
Transformation	-29,130	2,090	-76,268	74,145	-31,019	-3,594	-13,925	31,364	1,361	-44,977
Electricity generation	-24,278	-651	-	-1,123	-29,184	-3,556	-13,925	31,364	-	-41,354
Major power producers	-23,535	-	-	-616	-26,751	-846	-13,925	28,700	-	-36,974
Autogenerators	-743	-651	-	-507	-2,433	-2,709	-	2,663	-	-4,380
Heat generation	-275	-48	-	-63	-1,835	-39	-	-	1,361	-898
Petroleum refineries	-	-	-76,268	75,432	-	-	-	-	-	-836
Coke manufacture	-3,741	3,684	-	-	-	-	-	-	-	-57
Blast furnaces	-678	-1,110	-	-4	-	-	-	-	-	-1,793
Patent fuel manufacture	-158	215	-	-97	-	-	-	-	-	-40
Other	-	-	-	-	-	-	-	-	-	-
Energy industry use	3	644	-	4,875	5,511	-	-	2,223	94	13,350
Electricity generation	-	-	-	-	-	-	-	1,385	-	1,385
Oil and gas extraction	-	-	-	504	4,730	-	-	48	-	5,282
Petroleum refineries	-	-	-	4,371	138	-	-	433	94	5,036
Coal extraction	3	-	-	-	20	-	-	82	-	105
Coke manufacture	-	362	-	-	-	-	-	8	-	369
Blast furnaces	-	282	-	-	50	-	-	25	-	357
Patent fuel manufacture	-	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	91	-	91
Other	-	-	-	-	573	-	-	150	-	723
Losses	-	163	-	-	990	-	-	2,324	-	3,477
Final consumption	1,795	884	-	67,194	47,324	2,932	-	28,274	1,266	149,668
Industry	1,246	528	-	5,174	7,656	384	-	8,987	822	24,797
Unclassified	-	53	-	4,147	2	384	-	-	-	4,586
Iron and steel	44	475	-	6	474	-	-	330	-	1,329
Non-ferrous metals	14	-	-	0	144	-	-	578	-	736
Mineral products	667	-	-	188	1,436	-	-	625	-	2,916
Chemicals	48	-	-	293	1,352	-	-	1,587	415	3,695
Mechanical engineering etc	8	-	-	0	430	-	-	658	-	1,097
Electrical engineering etc	3	-	-	0	204	-	-	572	-	779
Vehicles	34	-	-	117	273	-	-	454	-	879
Food, beverages etc	28	-	-	148	1,543	-	-	991	1	2,711
Textiles, leather etc	45	-	-	44	420	-	-	262	-	771
Paper, printing etc	67	-	-	31	630	-	-	942	1	1,671
Other industries	284	-	-	55	416	-	-	1,848	405	3,008
Construction	3	-	-	144	332	-	-	139	-	619
Transport (6)	13	-	-	50,156	-	1,150	-	365	-	51,685
Air	-	-	-	11,673	-	-	-	-	-	11,673
Rail	13	-	-	620	-	-	-	364	-	997
Road	-	-	-	36,971	-	1,150	-	2	-	38,123
National navigation	-	-	-	891	-	-	-	-	-	891
Pipelines	-	-	-	-	-	-	-	-	-	-
Other	536	218	-	4,422	39,042	1,398	-	18,921	444	64,981
Domestic	510	218	-	3,242	30,149	1,125	-	10,218	52	45,514
Public administration	19	-	-	295	3,519	91	-	1,642	382	5,948
Commercial	2	-	-	359	4,436	23	-	6,715	10	11,544
Agriculture	1	-	-	291	125	159	-	346	-	923
Miscellaneous	4	-	-	235	813	0	-	-	-	1,052
Non energy use	-	139	-	7,442	626	-	-	-	-	8,206

(1) Includes all manufactured solid fuels, benzole, tars, coke oven gas and blast furnace gas.

(2) Includes colliery methane.

(3) Includes geothermal and solar heat.

(4) Stock fall (+), stock rise (-).

(5) Primary supply minus primary demand.

(6) See paragraphs 5.12 regarding electricity use in transport and 6.41 regarding renewables use in transport.

I.1 Aggregate energy balance 2009

Net calorific values

Thousand tonnes of oil equivalent

	Coal	Manufactured fuel(1)	Primary oils	Petroleum products	Natural gas(2)	Bioenergy & waste(3)	Primary electricity	Electricity	Heat	Total
Supply										
Indigenous production	10,487	-	70,905	-	53,759	4,570	16,478	-	-	156,200
Imports	23,720	131	57,051	22,887	35,400	1,194	-	568	-	140,951
Exports	-465	-125	-47,093	-26,229	-10,610	-38	-	-322	-	-84,882
Marine bunkers	-	-	-	-3,275	-	-	-	-	-	-3,275
Stock change (4)	-3,986	+1	+565	+344	-377	-	-	-	-	-3,453
Primary supply	29,756	6	81,428	-6,273	78,172	5,726	16,478	246	-	205,540
Statistical difference(5)	-36	-11	+89	-123	-165	-	-	+12	-	-235
Primary demand	29,793	18	81,339	-6,150	78,337	5,726	16,478	234	-	205,775
Transfers	-	+27	-2,983	+2,973	-27	-	-1,249	+1,249	-	-10
Transformation	-28,143	1,476	-78,356	75,621	-29,566	-3,312	-15,229	30,829	1,301	-45,380
Electricity generation	-23,413	-749	-	-1,475	-27,805	-3,240	-15,229	30,829	-	-41,083
Major power producers	-22,586	-	-	-1,020	-25,402	-618	-15,229	28,159	-	-36,695
Autogenerators	-828	-749	-	-455	-2,403	-2,623	-	2,670	-	-4,388
Heat generation	-281	-48	-	-61	-1,761	-72	-	-	1,301	-923
Petroleum refineries	-	-	-78,356	77,303	-	-	-	-	-	-1,053
Coke manufacture	-3,654	3,369	-	-	-	-	-	-	-	-285
Blast furnaces	-631	-1,301	-	-62	-	-	-	-	-	-1,994
Patent fuel manufacture	-164	205	-	-83	-	-	-	-	-	-42
Other	-	-	-	-	-	-	-	-	-	-
Energy industry use	3	660	-	4,766	5,386	-	-	2,236	94	13,146
Electricity generation	-	-	-	-	-	-	-	1,425	-	1,425
Oil and gas extraction	-	-	-	464	4,729	-	-	51	-	5,244
Petroleum refineries	-	-	-	4,302	124	-	-	389	94	4,909
Coal extraction	3	-	-	-	17	-	-	80	-	100
Coke manufacture	-	344	-	-	-	-	-	8	-	352
Blast furnaces	-	316	-	-	35	-	-	40	-	391
Patent fuel manufacture	-	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	100	-	100
Other	-	-	-	-	481	-	-	144	-	625
Losses	-	68	-	-	862	-	-	2,411	-	3,342
Final consumption	1,646	793	-	67,678	42,496	2,414	-	27,665	1,206	143,898
Industry	1,094	478	-	4,855	7,063	354	-	8,576	763	23,182
Unclassified	-	73	-	3,948	2	354	-	-	-	4,377
Iron and steel	41	404	-	7	414	-	-	311	-	1,178
Non-ferrous metals	16	-	-	1	126	-	-	522	-	666
Mineral products	676	-	-	192	1,367	-	-	603	-	2,837
Chemicals	46	-	-	203	1,351	-	-	1,522	347	3,469
Mechanical engineering etc	9	-	-	-	362	-	-	661	-	1,032
Electrical engineering etc	3	-	-	-	195	-	-	555	-	753
Vehicles	31	-	-	101	211	-	-	431	-	774
Food, beverages etc	32	-	-	188	1,392	-	-	924	1	2,536
Textiles, leather etc	46	-	-	43	380	-	-	259	-	728
Paper, printing etc	67	-	-	32	594	-	-	952	-	1,645
Other industries	124	-	-	8	379	-	-	1,700	415	2,625
Construction	3	-	-	133	289	-	-	136	-	561
Transport (6)	13	-	-	51,054	-	988	-	348	-	52,404
Air	-	-	-	12,114	-	-	-	-	-	12,114
Rail	13	-	-	617	-	-	-	347	-	976
Road	-	-	-	37,430	-	988	-	2	-	38,420
National navigation	-	-	-	894	-	-	-	-	-	894
Pipelines	-	-	-	-	-	-	-	-	-	-
Other	539	190	-	4,025	34,900	1,071	-	18,741	444	59,909
Domestic	489	190	-	2,851	26,659	871	-	10,193	52	41,304
Public administration	16	-	-	350	3,279	75	-	1,672	382	5,774
Commercial	33	-	-	340	4,103	15	-	6,550	9	11,050
Agriculture	-	-	-	267	114	110	-	327	-	817
Miscellaneous	2	-	-	217	745	0	-	-	-	964
Non energy use	-	125	-	7,745	533	-	-	-	-	8,403

(1) Includes all manufactured solid fuels, benzole, tars, coke oven gas and blast furnace gas.

(2) Includes colliery methane.

(3) Includes geothermal and solar heat.

(4) Stock fall (+), stock rise (-).

(5) Primary supply minus primary demand.

(6) See paragraphs 5.12 regarding electricity use in transport and 6.41 regarding renewables use in transport.

I.1 Aggregate energy balance 2008

Net calorific values

Thousand tonnes of oil equivalent

	Coal	Manufactured fuel(1)	Primary oils	Petroleum products	Natural gas(2)	Bioenergy & waste(3)	Primary electricity	Electricity	Heat	Total
Supply										
Indigenous production	10,740	-	74,666	-	62,713	4,285	12,965	-	-	165,369
Imports	27,311	500	62,586	24,492	31,511	885	-	1,057	-	148,342
Exports	-441	-141	-50,104	-29,587	-9,493	-	-	-109	-	-89,875
Marine bunkers	-	-	-	-3,443	-	-	-	-	-	-3,443
Stock change (4)	-1,851	+162	+59	+50	-239	-	-	-	-	-1,819
Primary supply	35,758	520	87,208	-8,488	84,492	5,170	12,965	948	-	218,574
Statistical difference(5)	+143	-7	+128	-101	+42	-	-	+24	-	+230
Primary demand	35,615	527	87,080	-8,387	84,450	5,170	12,965	924	-	218,344
Transfers	-	-127	-3,052	+3,050	-5	-	-1,056	+1,056	-	-133
Transformation	-33,859	1,586	-84,029	81,362	-31,127	-3,018	-11,909	32,033	1,537	-47,424
Electricity generation	-28,446	-839	-	-1,490	-29,160	-2,972	-11,909	32,033	-	-42,782
Major power producers	-27,524	-	-	-1,045	-26,656	-668	-11,909	29,367	-	-38,434
Autogenerators	-923	-839	-	-445	-2,504	-2,304	-	2,666	-	-4,348
Heat generation	-298	-48	-	-62	-1,968	-47	-	-	1,537	-885
Petroleum refineries	-	-	-84,029	83,117	-	-	-	-	-	-911
Coke manufacture	-4,066	3,967	-	-	-	-	-	-	-	-99
Blast furnaces	-810	-1,718	-	-203	-	-	-	-	-	-2,731
Patent fuel manufacture	-238	223	-	-	-	-	-	-	-	-15
Other	-	-	-	-	-	-	-	-	-	-
Energy industry use	4	805	-	5,194	5,459	-	-	2,227	72	13,761
Electricity generation	-	-	-	-	-	-	-	1,405	-	1,405
Oil and gas extraction	-	-	-	473	4,743	-	-	51	-	5,268
Petroleum refineries	-	-	-	4,720	150	-	-	374	72	5,316
Coal extraction	4	-	-	-	14	-	-	84	-	102
Coke manufacture	-	391	-	0	-	-	-	7	-	399
Blast furnaces	-	414	-	0	56	-	-	39	-	508
Patent fuel manufacture	-	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	110	-	110
Other	-	-	-	-	497	-	-	156	-	653
Losses	-	232	-	-	606	-	-	2,395	-	3,233
Final consumption	1,753	948	-	70,831	47,252	2,152	-	29,391	1,465	153,793
Industry	1,231	722	-	5,555	8,877	355	-	9,815	1,021	27,575
Unclassified	-	222	-	4,512	3	355	-	-	-	5,090
Iron and steel	47	500	-	6	565	-	-	400	-	1,519
Non-ferrous metals	19	-	-	4	180	-	-	636	-	839
Mineral products	721	-	-	213	1,765	-	-	682	-	3,382
Chemicals	62	-	-	232	1,615	-	-	1,744	592	4,245
Mechanical engineering etc	9	-	-	1	521	-	-	741	4	1,276
Electrical engineering etc	4	-	-	-	252	-	-	636	-	892
Vehicles	33	-	-	112	273	-	-	500	-	917
Food, beverages etc	27	-	-	227	1,626	-	-	1,054	10	2,943
Textiles, leather etc	51	-	-	47	484	-	-	292	-	874
Paper, printing etc	99	-	-	34	731	-	-	1,106	1	1,972
Other industries	135	-	-	14	480	-	-	1,868	413	2,910
Construction	25	-	-	152	382	-	-	156	-	716
Transport (6)	13	-	-	53,141	-	806	-	340	-	54,299
Air	-	-	-	12,755	-	-	-	-	-	12,755
Rail	13	-	-	618	-	-	-	338	-	969
Road	-	-	-	38,815	-	806	-	2	-	39,622
National navigation	-	-	-	953	-	-	-	-	-	953
Pipelines	-	-	-	-	-	-	-	-	-	-
Other	509	227	-	4,193	37,740	991	-	19,236	445	63,341
Domestic	489	227	-	2,869	27,824	795	-	10,301	52	42,557
Public administration	9	-	-	440	3,877	67	-	1,750	387	6,530
Commercial	7	-	-	377	4,952	10	-	6,835	6	12,188
Agriculture	3	-	-	279	109	119	-	350	-	861
Miscellaneous	1	-	-	227	977	0	-	-	-	1,206
Non energy use	-	-	-	7,942	635	-	-	-	-	8,577

(1) Includes all manufactured solid fuels, benzole, tars, coke oven gas and blast furnace gas.

(2) Includes colliery methane.

(3) Includes geothermal and solar heat.

(4) Stock fall (+), stock rise (-).

(5) Primary supply minus primary demand.

(6) See paragraphs 5.12 regarding electricity use in transport and 6.41 regarding renewables use in transport.

I.1 Aggregate energy balance 2007

Net calorific values

Thousand tonnes of oil equivalent

	Coal	Manufactured fuel(1)	Primary oils	Petroleum products	Natural gas(2)	Bioenergy & waste(3)	Primary electricity	Electricity	Heat	Total
Supply										
Indigenous production	10,162	-	79,610	-	64,912	3,696	14,927	-	-	173,307
Imports	26,785	732	59,475	26,052	26,159	390	-	741	-	140,334
Exports	-398	-170	-52,936	-30,856	-9,531	-108	-	-292	-	-94,291
Marine bunkers	-	-	-	-2,362	-	-	-	-	-	-2,362
Stock change(4)	+1,850	-22	+813	+1,116	+424	-	-	-	-	+4,181
Primary supply	38,399	540	86,963	-6,049	81,964	3,977	14,927	448	-	221,169
Statistical difference(5)	+12	-14	+15	-192	+14	-	-	-34	-	-198
Primary demand	38,388	554	86,947	-5,857	81,950	3,977	14,927	482	-	221,367
Transfers	-	-127	-2,462	+2,491	-6	-	-891	+891	-	-104
Transformation	-36,686	1,618	-84,485	82,423	-29,369	-2,877	-14,036	32,898	1,406	-49,108
Electricity generation	-31,259	-942	-	-1,090	-27,540	-2,877	-14,036	32,898	-	-44,845
Major power producers	-30,376	-	-	-663	-24,751	-559	-14,036	30,073	-	-40,312
Autogenerators	-883	-942	-	-427	-2,789	-2,318	-	2,825	-	-4,532
Heat generation	-289	-48	-	-61	-1,829	-	-	-	1,406	-822
Petroleum refineries	-	-	-84,485	83,771	-	-	-	-	-	-714
Coke manufacture	-4,103	4,072	-	-	-	-	-	-	-	-30
Blast furnaces	-859	-1,633	-	-197	-	-	-	-	-	-2,689
Patent fuel manufacture	-176	168	-	-	-	-	-	-	-	-9
Other	-	-	-	-	-	-	-	-	-	-
Energy industry use	3	837	-	5,022	5,883	-	-	2,468	68	14,280
Electricity generation	-	-	-	-	-	-	-	1,521	-	1,521
Oil and gas extraction	-	-	-	414	4,970	-	-	48	-	5,432
Petroleum refineries	-	-	-	4,608	403	-	-	484	68	5,563
Coal extraction	3	-	-	-	7	-	-	85	-	95
Coke manufacture	-	388	-	-	0	-	-	8	-	396
Blast furnaces	-	449	-	0	56	-	-	41	-	546
Patent fuel manufacture	-	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	104	-	104
Other	-	-	-	-	447	-	-	176	-	623
Losses	-	213	-	-	935	-	-	2,427	-	3,574
Final consumption	1,698	995	-	74,035	45,756	1,101	-	29,377	1,338	154,301
Industry	1,205	811	-	5,731	10,319	242	-	9,699	896	28,903
Unclassified	-	221	-	2,490	3	242	-	-	-	2,956
Iron and steel	52	590	-	63	567	-	-	425	-	1,696
Non-ferrous metals	21	-	-	45	222	-	-	635	-	923
Mineral products	721	-	-	224	1,306	-	-	672	-	2,923
Chemicals	72	-	-	181	2,332	-	-	1,737	480	4,802
Mechanical engineering etc	7	-	-	101	594	-	-	727	3	1,431
Electrical engineering etc	4	-	-	33	289	-	-	627	-	953
Vehicles	33	-	-	115	660	-	-	492	-	1,301
Food, beverages etc	23	-	-	266	1,778	-	-	1,039	2	3,108
Textiles, leather etc	49	-	-	112	470	-	-	288	-	919
Paper, printing etc	96	-	-	62	1,200	-	-	1,096	1	2,455
Other industries	127	-	-	1,879	714	-	-	1,808	411	4,939
Construction	0	-	-	159	184	-	-	155	-	498
Transport (6)	13	-	-	55,846	-	349	-	341	-	56,548
Air	-	-	-	13,211	-	-	-	-	-	13,211
Rail	13	-	-	608	-	-	-	339	-	960
Road	-	-	-	40,507	-	349	-	2	-	40,857
National navigation	-	-	-	1,521	-	-	-	-	-	1,521
Pipelines	-	-	-	-	-	-	-	-	-	-
Other	480	184	-	4,132	34,645	510	-	19,338	442	59,731
Domestic	463	184	-	2,723	27,307	340	-	10,583	52	41,651
Public administration	9	-	-	458	3,285	80	-	1,727	383	5,943
Commercial	4	-	-	384	2,561	14	-	6,679	7	9,649
Agriculture	3	-	-	275	155	76	-	349	-	856
Miscellaneous	2	-	-	292	1,338	-	-	-	-	1,631
Non energy use	-	-	-	8,326	792	-	-	-	-	9,118

(1) Includes all manufactured solid fuels, benzole, tars, coke oven gas and blast furnace gas.

(2) Includes colliery methane.

(3) Includes geothermal and solar heat.

(4) Stock fall (+), stock rise (-).

(5) Primary supply minus primary demand.

(6) See paragraphs 5.12 regarding electricity use in transport and 6.41 regarding renewables use in transport.

I.1 Aggregate energy balance 2006

Net calorific values

Thousand tonnes of oil equivalent

	Coal	Manufactured fuel(1)	Primary oils	Petroleum products	Natural gas(2)	Bioenergy & waste(3)	Primary electricity	Electricity	Heat	Total
Supply										
Indigenous production	10,847	-	79,644	-	72,011	3,379	17,889	-	-	183,770
Imports	31,034	691	61,628	27,781	18,884	470	-	884	-	141,374
Exports	-325	-119	-52,099	-29,660	-9,332	-96	-	-238	-	-91,869
Marine bunkers	-	-	-	-2,337	-	-	-	-	-	-2,337
Stock change(4)	-768	-152	-370	-883	-498	-	-	-	-	-2,670
Primary supply	40,789	420	88,804	-5,099	81,065	3,754	17,889	646	-	228,268
Statistical difference(5)	-143	-5	-107	+109	+11	-	-	+9	-	-126
Primary demand	40,932	425	88,911	-5,209	81,054	3,754	17,889	637	-	228,394
Transfers	-	-105	-2,617	+2,658	-4	-	-759	+759	-	-69
Transformation	-39,384	1,705	-86,294	83,941	-25,803	-2,919	-17,130	33,070	1,305	-51,510
Electricity generation	-34,054	-948	-	-1,236	-24,099	-2,919	-17,130	33,070	-	-47,315
Major power producers	-33,197	-	-	-793	-21,525	-648	-17,130	30,412	-	-42,880
Autogenerators	-857	-948	-	-443	-2,574	-2,271	-	2,658	-	-4,435
Heat generation	-272	-48	-	-62	-1,704	-	-	-	1,305	-780
Petroleum refineries	-	-	-86,294	85,462	-	-	-	-	-	-832
Coke manufacture	-4,099	4,150	-	-	-	-	-	-	-	51
Blast furnaces	-775	-1,642	-	-224	-	-	-	-	-	-2,640
Patent fuel manufacture	-184	192	-	-	-	-	-	-	-	8
Other	-	-	-	-	-	-	-	-	-	-
Energy industry use	3	826	-	5,278	6,335	-	-	2,425	60	14,925
Electricity generation	-	-	-	-	-	-	-	1,591	-	1,591
Oil and gas extraction	-	-	-	440	5,359	-	-	47	-	5,846
Petroleum refineries	-	-	-	4,837	399	-	-	401	60	5,697
Coal extraction	3	-	-	-	9	-	-	89	-	100
Coke manufacture	-	377	-	-	-	-	-	8	-	386
Blast furnaces	-	448	-	-	47	-	-	43	-	538
Patent fuel manufacture	-	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	92	-	92
Other	-	-	-	-	520	-	-	155	-	675
Losses	-	173	-	-	930	-	-	2,357	-	3,460
Final consumption	1,546	1,026	-	76,112	47,982	835	-	29,684	1,245	158,431
Industry	1,105	820	-	5,735	11,185	186	-	9,879	809	29,721
Unclassified	-	213	-	2,625	4	186	-	-	-	3,028
Iron and steel	1	607	-	18	649	-	-	504	-	1,779
Non-ferrous metals	35	-	-	50	240	-	-	647	-	973
Mineral products	656	-	-	188	1,378	-	-	677	-	2,899
Chemicals	80	-	-	177	2,657	-	-	1,753	371	5,037
Mechanical engineering etc	9	-	-	100	633	-	-	730	2	1,473
Electrical engineering etc	4	-	-	80	304	-	-	631	-	1,018
Vehicles	35	-	-	116	733	-	-	494	-	1,379
Food, beverages etc	16	-	-	266	1,835	-	-	1,042	1	3,160
Textiles, leather etc	47	-	-	123	514	-	-	289	-	973
Paper, printing etc	94	-	-	56	1,278	-	-	1,110	22	2,560
Other industries	128	-	-	1,773	763	-	-	1,844	414	4,922
Construction	-	-	-	163	198	-	-	158	-	519
Transport (6)	13	-	-	55,759	-	180	-	344	-	56,296
Air	-	-	-	13,299	-	-	-	-	-	13,299
Rail	13	-	-	594	-	-	-	342	-	949
Road	-	-	-	40,162	-	180	-	2	-	40,344
National navigation	-	-	-	1,704	-	-	-	-	-	1,704
Pipelines	-	-	-	-	-	-	-	-	-	-
Other	427	206	-	4,512	36,184	469	-	19,461	436	61,695
Domestic	405	206	-	3,076	28,395	303	-	10,723	52	43,160
Public administration	12	-	-	461	3,545	75	-	1,721	376	6,189
Commercial	4	-	-	370	2,652	14	-	6,673	8	9,721
Agriculture	3	-	-	285	156	76	-	345	-	865
Miscellaneous	3	-	-	320	1,437	-	-	-	-	1,760
Non energy use	-	-	-	10,106	612	-	-	-	-	10,718

(1) Includes all manufactured solid fuels, benzole, tars, coke oven gas and blast furnace gas.

(2) Includes colliery methane.

(3) Includes geothermal and solar heat.

(4) Stock fall (+), stock rise (-).

(5) Primary supply minus primary demand.

(6) See paragraphs 5.12 regarding electricity use in transport and 6.41 regarding renewables use in transport.

I.1 Aggregate energy balance 2005

Net calorific values

Thousand tonnes of oil equivalent

	Coal	Manufactured fuel(1)	Primary oils	Petroleum products	Natural gas(2)	Bioenergy & waste(3)	Primary electricity	Electricity	Heat	Total
Supply										
Indigenous production	12,078	-	88,110	-	79,397	3,116	19,044	-	-	201,745
Imports	27,107	623	61,042	23,239	13,413	419	-	960	-	126,803
Exports	-399	-89	-56,175	-30,526	-7,443	-	-	-244	-	-94,876
Marine bunkers	-	-	-	-2,049	-	-	-	-	-	-2,049
Stock change(4)	-1,335	-98	-396	+1,978	+102	-	-	-	-	+252
Primary supply	37,451	437	92,581	-7,358	85,470	3,534	19,044	715	-	231,875
Statistical difference(5)	+22	-7	-103	+444	+9	-	-	+20	-	+384
Primary demand	37,429	444	92,684	-7,801	85,461	3,534	19,044	696	-	231,491
Transfers	-	-114	-3,380	+3,385	-4	-	-674	+674	-	-112
Transformation	-35,815	1,654	-89,304	87,001	-27,406	-2,843	-18,370	33,327	1,366	-50,390
Electricity generation	-30,788	-971	-	-1,265	-25,666	-2,843	-18,370	33,327	-	-46,576
Major power producers	-29,952	-	-	-777	-22,879	-674	-18,370	30,564	-	-42,089
Autogenerators	-836	-971	-	-488	-2,787	-2,169	-	2,764	-	-4,488
Heat generation	-272	-48	-	-62	-1,740	-	-	-	1,366	-756
Petroleum refineries	-	-	-89,304	88,593	-	-	-	-	-	-711
Coke manufacture	-3,851	3,930	-	-	-	-	-	-	-	79
Blast furnaces	-718	-1,446	-	-265	-	-	-	-	-	-2,429
Patent fuel manufacture	-187	190	-	-	-	-	-	-	-	3
Other	-	-	-	-	-	-	-	-	-	-
Energy industry use	4	777	-	6,082	6,745	-	-	2,337	98	16,042
Electricity generation	-	-	-	-	-	-	-	1,537	26	1,563
Oil and gas extraction	-	-	-	487	5,678	-	-	43	-	6,209
Petroleum refineries	-	-	-	5,595	400	-	-	383	71	6,449
Coal extraction	4	-	-	-	9	-	-	92	-	104
Coke manufacture	-	359	-	-	-	-	-	8	-	367
Blast furnaces	-	418	-	-	73	-	-	44	-	535
Patent fuel manufacture	-	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	67	-	67
Other	-	-	-	-	586	-	-	162	-	748
Losses	-	207	-	-	848	-	-	2,380	-	3,435
Final consumption	1,610	1,001	-	76,503	50,458	691	-	29,981	1,268	161,510
Industry	1,121	787	-	5,907	11,719	176	-	9,976	831	30,517
Unclassified	-	209	-	2,516	4	176	-	-	-	2,905
Iron and steel	-	578	-	16	654	-	-	432	-	1,679
Non-ferrous metals	23	-	-	51	245	-	-	661	-	980
Mineral products	702	-	-	207	1,416	-	-	686	-	3,011
Chemicals	80	-	-	192	2,792	-	-	1,816	392	5,272
Mechanical engineering etc	9	-	-	112	664	-	-	742	3	1,530
Electrical engineering etc	3	-	-	34	320	-	-	638	-	995
Vehicles	36	-	-	132	771	-	-	502	-	1,441
Food, beverages etc	18	-	-	309	1,929	-	-	1,055	1	3,311
Textiles, leather etc	47	-	-	105	544	-	-	292	-	988
Paper, printing etc	93	-	-	86	1,369	-	-	1,137	31	2,716
Other industries	110	-	-	1,969	805	-	-	1,848	405	5,137
Construction	-	-	-	178	207	-	-	166	-	552
Transport (6)	3	-	-	55,213	-	69	-	349	-	55,633
Air	-	-	-	13,163	-	-	-	-	-	13,163
Rail	3	-	-	596	-	-	-	347	-	946
Road	-	-	-	40,165	-	69	-	2	-	40,236
National navigation	-	-	-	1,288	-	-	-	-	-	1,288
Pipelines	-	-	-	-	-	-	-	-	-	-
Other	486	214	-	4,592	38,126	446	-	19,655	437	63,956
Domestic	450	214	-	2,927	29,552	269	-	10,809	52	44,273
Public administration	25	-	-	510	3,894	95	-	1,722	376	6,622
Commercial	4	-	-	365	2,956	14	-	6,780	10	10,129
Agriculture	6	-	-	356	175	69	-	344	-	949
Miscellaneous	1	-	-	433	1,549	-	-	-	-	1,983
Non energy use	-	-	-	10,791	612	-	-	-	-	11,404

(1) Includes all manufactured solid fuels, benzole, tars, coke oven gas and blast furnace gas.

(2) Includes colliery methane.

(3) Includes geothermal and solar heat.

(4) Stock fall (+), stock rise (-).

(5) Primary supply minus primary demand.

(6) See paragraphs 5.12 regarding electricity use in transport and 6.41 regarding renewables use in transport.

I.1 Aggregate energy balance 2004

Net calorific values

Thousand tonnes of oil equivalent

	Coal	Manufactured fuel(1)	Primary oils	Petroleum products	Natural gas(2)	Bioenergy & waste(3)	Primary electricity	Electricity	Heat	Total
Supply										
Indigenous production	14,814	-	99,180	-	86,770	2,525	18,746	-	-	222,035
Imports	22,285	724	64,803	19,109	10,295	337	-	841	-	118,396
Exports	-425	-123	-66,942	-31,265	-8,831	-	-	-197	-	-107,784
Marine bunkers	-	-	-	-2,088	-	-	-	-	-	-2,088
Stock change (4)	-53	-84	-140	-307	-483	-	-	-	-	-1,067
Primary supply	36,621	517	96,900	-14,551	87,751	2,862	18,746	644	-	229,492
Statistical difference (5)	+1	-52	-156	-46	+54	-	-	+211	-	+12
Primary demand	36,620	569	97,057	-14,505	87,697	2,862	18,746	433	-	229,480
Transfers	-	-118	-3,905	+3,894	-3	-	-583	+583	-	-132
Transformation	-34,727	1,617	-93,152	91,832	-28,065	-2,320	-18,163	33,061	1,273	-48,642
Electricity generation	-29,799	-908	-	-604	-26,375	-2,320	-18,163	33,061	-	-45,108
Major power producers	-28,948	-	-	-144	-23,564	-441	-18,163	30,246	-	-41,013
Autogenerators	-852	-908	-	-460	-2,811	-1,878	-	2,815	-	-4,095
Heat generation	-282	-48	-	-67	-1,690	-	-	-	1,273	-814
Petroleum refineries	-	-	-93,152	92,794	-	-	-	-	-	-358
Coke manufacture	-3,797	3,886	-	-	-	-	-	-	-	89
Blast furnaces	-619	-1,541	-	-290	-	-	-	-	-	-2,451
Patent fuel manufacture	-229	229	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-
Energy industry use	5	804	-	5,437	6,846	-	-	2,291	16	15,399
Electricity generation	-	-	-	-	-	-	-	1,464	2	1,466
Oil and gas extraction	-	-	-	-	5,957	-	-	48	-	6,005
Petroleum refineries	-	-	-	5,435	238	-	-	402	14	6,090
Coal extraction	5	-	-	-	12	-	-	88	-	105
Coke manufacture	-	360	-	1	-	-	-	8	-	369
Blast furnaces	-	441	-	-	56	-	-	40	-	537
Patent fuel manufacture	-	3	-	-	-	-	-	-	-	3
Pumped storage	-	-	-	-	-	-	-	73	-	73
Other	-	-	-	-	583	-	-	167	-	750
Losses	-	194	-	-	635	-	-	2,642	-	3,472
Final consumption	1,888	1,070	-	75,785	52,147	543	-	29,144	1,258	161,835
Industry	1,173	815	-	6,506	11,914	228	-	9,584	832	31,053
Unclassified	-	239	-	2,477	5	228	-	-	-	2,949
Iron and steel	-	575	-	33	752	-	-	465	-	1,825
Non-ferrous metals	7	-	-	49	248	-	-	642	-	946
Mineral products	713	-	-	189	1,037	-	-	648	-	2,587
Chemicals	89	-	-	191	3,250	-	-	1,714	394	5,637
Mechanical engineering etc.	10	-	-	110	666	-	-	723	2	1,511
Electrical engineering etc.	3	-	-	36	322	-	-	568	-	929
Vehicles	53	-	-	103	791	-	-	480	-	1,427
Food, beverages, etc.	25	-	-	324	2,185	-	-	1,036	2	3,572
Textiles, leather, etc.	55	-	-	69	551	-	-	287	-	962
Paper, printing etc.	92	-	-	55	1,074	-	-	1,132	27	2,380
Other industries	127	-	-	2,724	806	-	-	1,734	407	5,797
Construction	-	-	-	147	227	-	-	155	-	529
Transport (6)	-	-	-	53,950	-	-	-	349	-	54,298
Air	-	-	-	12,263	-	-	-	-	-	12,263
Rail	-	-	-	658	-	-	-	347	-	1,005
Road	-	-	-	39,904	-	-	-	2	-	39,906
National navigation	-	-	-	1,124	-	-	-	-	-	1,124
Pipelines	-	-	-	-	-	-	-	-	-	-
Other	715	255	-	4,439	39,458	314	-	19,211	425	64,818
Domestic	696	255	-	3,090	30,677	143	-	10,679	52	45,592
Public administration	9	-	-	474	4,019	95	-	1,733	368	6,698
Commercial	3	-	-	392	2,909	14	-	6,451	5	9,775
Agriculture	5	-	-	258	182	63	-	348	-	855
Miscellaneous	1	-	-	226	1,671	-	-	-	-	1,898
Non energy use	-	-	-	10,890	775	-	-	-	-	11,665

(1) Includes all manufactured solid fuels, benzole, tars, coke oven gas and blast furnace gas.

(2) Includes colliery methane.

(3) Includes geothermal and solar heat.

(4) Stock fall (+), stock rise (-).

(5) Primary supply minus primary demand.

(6) See paragraphs 5.12 regarding electricity use in transport and 6.41 regarding renewables use in transport.