Department of Energy & Climate Change

Digest of United Kingdom Energy Statistics 2015

INTERNET BOOKLET

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Contents

Long term trends:

Aggregate energy balance 2011
Gross 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 sold	Total
Supply										
Indigenous production	11,532r	-	56,902	-	45,289	6,060r	17,480r	-	-	137,264r
Imports	21,399	33	63,471	24,769	50,600	1,854	-	747	-	162,873
Exports	-370	-355	-36,770r	-30,299	-15,794	-184	-	-212	-	-83,985r
Marine bunkers	-	-	-	-3,287	-	-	-	-	-	-3,287
Stock change*(4)*	+534	-385	+667	+210	-1,945	-	-	-	-	-919
Primary supply	**33,095r**	**-706**	**84,270r**	**-8,608**	**78,149**	**7,731r**	**17,480r**	**535**	**-**	**211,946r**
Statistical difference*(5)*	-9r	-14	-345r	+31r	+18r	-	-	-54r	-	-374r
Primary demand	**33,104r**	**-692**	**84,615r**	**-8,638r**	**78,131r**	**7,731r**	**17,480r**	**589r**	**-**	**212,320r**
Transfers	-	+5	-2,652r	+2,614r	-5	-	-1,855r	+1,855r	-	-38r
Transformation	**-31,339r**	**2,285**	**-81,963**	**80,807r**	**-28,548r**	**-4,629r**	**-15,625**	**29,488r**	**1,388**	**-48,136r**
Electricity generation	-26,016r	-678	-	-782	-26,576r	-4,532r	-15,625	29,488r	-	-44,721r
Major power producers	-25,222r	-	-	-347	-23,863r	-1,263	-15,625	26,838r	-	-39,482r
Autogenerators	-794	-678	-	-435	-2,713	-3,269r	-	2,650r	-	-5,239r
Heat generation	-348	-51	-	-75	-1,972	-97	-	-	1,388	-1,155
Petroleum refineries	-	-	-81,963	81,742r	-	-	-	-	-	-221r
Coke manufacture	-4,032	3,787	-	-	-	-	-	-	-	-245
Blast furnaces	-759	-980	-	-	-	-	-	-	-	-1,739
Patent fuel manufacture	-184r	206	-	-77	-	-	-	-	-	-55r
Other	-	-	-	-	-	-	-	-	-	-
Energy industry use	**3**	**660**	**-**	**5,418**	**5,409r**	**-**	**-**	**2,185r**	**182**	**13,856r**
Electricity generation	-	-	-	-	-	-	-	1,413r	-	1,413r
Oil and gas extraction	-	-	-	578	4,571	-	-	50	-	5,198
Petroleum refineries	-	-	-	4,840	151	-	-	403	182	5,576
Coal extraction	3	-	-	-	19	-	-	73	-	95
Coke manufacture	-	386	-	-	-	-	-	7	-	393
Blast furnaces	-	274	-	-	39	-	-	22	-	334
Patent fuel manufacture	-	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	81	-	81
Other	-	-	-	-	628r	-	-	138	-	766r
Losses	**-**	**151**	**-**	**-**	**854**	**-**	**-**	**2,419r**	**-**	**3,423r**
Final consumption	**1,763r**	**788**	**-**	**69,365r**	**43,316r**	**3,102r**	**-**	**27,328r**	**1,206**	**146,867r**
Industry	**1,194r**	**447**	**-**	**4,500r**	**8,127**	**506r**	**-**	**8,801r**	**769**	**24,344r**
Unclassified	-	42	-	3,604r	2	506r	-	-	-	4,154r
Iron and steel	38	405	-	4	501	-	-	331	-	1,279
Non-ferrous metals	14	-	-	0	158	-	-	599	-	771
Mineral products	697	-	-	178	1,384	-	-	603	-	2,861
Chemicals	50	-	-	189	1,379	-	-	1,517	350	3,484
Mechanical engineering etc	8	-	-	1	487	-	-	624	-	1,119
Electrical engineering etc	3	-	-	0	217	-	-	549	-	770
Vehicles	37	-	-	137	323	-	-	446	-	944
Food, beverages etc	32	-	-	141	1,764	-	-	973	2	2,912
Textiles, leather etc	45	-	-	49	460	-	-	257	-	811
Paper, printing etc	71	-	-	30	641	-	-	938	1	1,681
Other industries	193r	-	-	9	443	-	-	1,832r	417	2,894r
Construction	6	-	-	156	367	-	-	132	-	662
Transport *(6)*	**11**	**-**	**-**	**52,993r**	**-**	**1,128**	**-**	**366r**	**-**	**54,497r**
Air	-	-	-	12,802	-	-	-	-	-	12,802
Rail	11	-	-	651r	-	-	-	364r	-	1,026r
Road	-	-	-	38,646	-	1,128	-	2	-	39,775
National navigation	-	-	-	894	-	-	-	-	-	894
Pipelines	-	-	-	-	-	-	-	-	-	-
Other	**558r**	**198**	**-**	**4,029**	**34,677r**	**1,468r**	**-**	**18,161r**	**437**	**59,528r**
Domestic	530r	198	-	2,669	25,228	1,185r	-	9,595r	52	39,457r
Public administration	18	-	-	366	3,694	94	-	1,582	382	6,135
Commercial	4	-	-	433	4,794	31r	-	6,645r	3	11,910r
Agriculture	1	-	-	303	116	157r	-	339	-	917r
Miscellaneous	5r	-	-	259	845r	0	-	-	-	1,110r
Non energy use	-	**142**	-	**7,843r**	**512**	-	-	-	-	**8,497r**

(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.

Aggregate energy balance 2010
Gross 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 sold	Total
Supply										
Indigenous production	11,425r	-	68,983	-	57,195	5,859r	15,117r	-	-	158,580r
Imports	17,723	87	60,135	25,800	50,950	1,928	-	614	-	157,238
Exports	-537	-368	-45,999r	-28,412	-15,168	-189	-	-385	-	-91,059r
Marine bunkers	-	-	-	-2,956	-	-	-	-	-	-2,956
Stock change*(4)*	+4,586	-153	-41	+646	+1,313	-	-	-	-	+6,351
Primary supply	**33,196r**	**-435**	**83,078r**	**-4,922**	**94,291**	**7,598r**	**15,117r**	**229**	**-**	**228,153r**
Statistical difference*(5)*	+641r	-15	-47r	+67r	-2r	-	-	-36r	-	+608r
Primary demand	**32,556r**	**-419**	**83,125r**	**-4,989r**	**94,293r**	**7,598r**	**15,117r**	**265r**	**-**	**227,546r**
Transfers	-	+23	-2,818r	+2,804r	-23	-	-1,192r	+1,192r	-	-14r
Transformation	**-30,663r**	**2,159**	**-80,306**	**78,524r**	**-34,465r**	**-4,284r**	**-13,925**	**31,364r**	**1,361**	**-50,237r**
Electricity generation	-25,556r	-673	-	-1,196	-32,427r	-4,244r	-13,925	31,364r	-	-46,657r
Major power producers	-24,774r	-	-	-654	-29,724r	-1,013	-13,925	28,700r	-	-41,389r
Autogenerators	-782	-673	-	-542	-2,703	-3,230r	-	2,663r	-	-5,267r
Heat generation	-289	-51	-	-66	-2,038	-41	-	-	1,361	-1,125
Petroleum refineries	-	-	-80,306	79,893r	-	-	-	-	-	-413r
Coke manufacture	-3,938	3,768	-	-	-	-	-	-	-	-171
Blast furnaces	-714	-1,110	-	-4	-	-	-	-	-	-1,828
Patent fuel manufacture	-166	226	-	-102	-	-	-	-	-	-42
Other	-	-	-	-	-	-	-	-	-	-
Energy industry use	**3**	**680**	**-**	**5,196**	**6,124r**	**-**	**-**	**2,223r**	**94**	**14,320r**
Electricity generation	-	-	-	-	-	-	-	1,385r	-	1,385r
Oil and gas extraction	-	-	-	536	5,256	-	-	48	-	5,840
Petroleum refineries	-	-	-	4,660	153	-	-	433	94	5,340
Coal extraction	3	-	-	-	22	-	-	82	-	108
Coke manufacture	-	395	-	-	-	-	-	8	-	403
Blast furnaces	-	285	-	-	55	-	-	25	-	366
Patent fuel manufacture	-	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	91	-	91
Other	-	-	-	-	637r	-	-	150	-	787r
Losses	**-**	**168**	**-**	**-**	**1,100**	**-**	**-**	**2,324r**	**-**	**3,592r**
Final consumption	**1,889r**	**914**	**-**	**71,144r**	**52,582r**	**3,314r**	**-**	**28,274r**	**1,266**	**159,383r**
Industry	**1,311r**	**539**	**-**	**5,482**	**8,506**	**449r**	**-**	**8,987r**	**822**	**26,098r**
Unclassified	-	55	-	4,390	2	449r	-	-	-	4,896r
Iron and steel	46	485	-	6	527	-	-	330	-	1,394
Non-ferrous metals	15	-	-	0	160	-	-	578	-	753
Mineral products	702	-	-	200	1,596	-	-	625	-	3,122
Chemicals	51	-	-	312	1,502	-	-	1,587	415	3,866
Mechanical engineering etc	9	-	-	0	478	-	-	658	-	1,145
Electrical engineering etc	3	-	-	0	227	-	-	572	-	802
Vehicles	36	-	-	125	304	-	-	454	-	919
Food, beverages etc	30	-	-	157	1,714	-	-	991	1	2,893
Textiles, leather etc	47	-	-	47	466	-	-	262	-	822
Paper, printing etc	71	-	-	33	700	-	-	942	1	1,747
Other industries	299r	-	-	59	462	-	-	1,848r	405	3,073r
Construction	3	-	-	153	369	-	-	139	-	665
Transport *(6)*	**14**	**-**	**-**	**53,055**	**-**	**1,217**	**-**	**365r**	**-**	**54,651r**
Air	-	-	-	12,288	-	-	-	-	-	12,288
Rail	14	-	-	660	-	-	-	364r	-	1,037r
Road	-	-	-	39,159	-	1,217	-	2	-	40,378
National navigation	-	-	-	948	-	-	-	-	-	948
Pipelines	-	-	-	-	-	-	-	-	-	-
Other	**564r**	**229**	**-**	**4,686**	**43,380r**	**1,647r**	**-**	**18,921r**	**444**	**69,871r**
Domestic	537r	229	-	3,428	33,499	1,332r	-	10,218r	52	49,294r
Public administration	20	-	-	314	3,910	102	-	1,642	382	6,370
Commercial	2	-	-	382	4,929	26r	-	6,715r	10	12,063r
Agriculture	1	-	-	313	139	188r	-	346	-	987r
Miscellaneous	4	-	-	250	903r	0	-	-	-	1,157r
Non energy use	-	**146**	-	**7,921r**	**696**	-	-	-	-	**8,762r**

(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.

Aggregate energy balance 2009
Gross 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 sold	Total
Supply										
Indigenous production	11,039	-	74,739	-	59,732	5,408r	16,478r	-	-	167,396r
Imports	24,969	131	60,067r	24,190	39,333	1,308	-	568	-	150,565r
Exports	-490	-126	-49,607r	-27,759	-11,788	-46	-	-322	-	-90,139r
Marine bunkers	-	-	-	-3,485	-	-	-	-	-	-3,485
Stock change*(4)*	-4,195	+1	+594	+365	-419	-	-	-	-	-3,655
Primary supply	**31,322**	**5**	**85,792r**	**-6,689**	**86,858**	**6,670r**	**16,478r**	**246**	**-**	**220,683r**
Statistical difference*(5)*	-38	-12	+68r	-130r	-184r	-	-	+12r	-	-284r
Primary demand	**31,361**	**17**	**85,724r**	**-6,559r**	**87,042r**	**6,670r**	**16,478r**	**234r**	**-**	**220,967r**
Transfers	-	+30	-3,215r	+3,205r	-30	-	-1,249r	+1,249r	-	-11r
Transformation	**-29,625**	**1,536**	**-82,509r**	**80,089r**	**-32,851**	**-3,954r**	**-15,229**	**30,829r**	**1,301**	**-50,413r**
Electricity generation	-24,646	-772	-	-1,566	-30,894	-3,875r	-15,229	30,829r	-	-46,154r
Major power producers	-23,775	-	-	-1,081	-28,224	-744	-15,229	28,159	-	-40,893
Autogenerators	-871	-772	-	-486	-2,670	-3,131r	-	2,670r	-	-5,261r
Heat generation	-296	-51	-	-65	-1,957	-79	-	-	1,301	-1,147
Petroleum refineries	-	-	-82,509r	81,874r	-	-	-	-	-	-634r
Coke manufacture	-3,847	3,444	-	-	-	-	-	-	-	-402
Blast furnaces	-664	-1,301	-	-66	-	-	-	-	-	-2,031
Patent fuel manufacture	-173	216	-	-88	-	-	-	-	-	-45
Other	-	-	-	-	-	-	-	-	-	-
Energy industry use	**3**	**699**	**-**	**5,079**	**5,984r**	**-**	**-**	**2,236r**	**94**	**14,096r**
Electricity generation	-	-	-	-	-	-	-	1,425r	-	1,425r
Oil and gas extraction	-	-	-	494	5,255	-	-	51	-	5,799
Petroleum refineries	-	-	-	4,585	138	-	-	389	94	5,206
Coal extraction	3	-	-	-	19	-	-	80	-	102
Coke manufacture	-	378	-	-	-	-	-	8	-	385
Blast furnaces	-	321	-	-	39	-	-	40	-	400
Patent fuel manufacture	-	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	100	-	100
Other	-	-	-	-	535r	-	-	144	-	679r
Losses	**-**	**69**	**-**	**-**	**958**	**-**	-	**2,411r**	-	**3,438r**
Final consumption	**1,733**	**816**	**-**	**71,656r**	**47,218r**	**2,716r**	**-**	**27,665**	**1,206**	**153,010r**
Industry	**1,152**	**485**	**-**	**5,152**	**7,847**	**415r**	**-**	**8,576**	**763**	**24,389r**
Unclassified	-	75	-	4,187	2	415r	**-**	-	-	4,680r
Iron and steel	44	409	-	8	460	-	**-**	311	-	1,231
Non-ferrous metals	17	-	-	1	140	-	**-**	522	-	681
Mineral products	711	-	-	204	1,519	-	**-**	603	-	3,037
Chemicals	49	-	-	216	1,501	-	**-**	1,522	347	3,635
Mechanical engineering etc	10	-	-	-	402	-	**-**	661	-	1,073
Electrical engineering etc	3	-	-	-	217	-	**-**	555	-	775
Vehicles	32	-	-	107	235	-	**-**	431	-	805
Food, beverages etc	33	-	-	200	1,547	-	**-**	924	1	2,705
Textiles, leather etc	49	-	-	46	422	-	**-**	259	-	775
Paper, printing etc	71	-	-	34	660	-	**-**	952	-	1,716
Other industries	130	-	-	8	421	-	**-**	1,700	415	2,674
Construction	3	-	-	141	321	-	**-**	136	**-**	601
Transport *(6)*	**13**	**-**	-	**53,993**	**-**	**1,038**	**-**	**348r**	**-**	**55,394r**
Air	-	**-**	-	12,751	**-**	**-**	**-**		**-**	12,751
Rail	13	**-**	-	656	**-**	**-**	**-**	347	**-**	1,016
Road	-	**-**	-	39,635	**-**	1,038	**-**	2	**-**	40,675
National navigation	-	**-**	-	951	**-**	**-**	**-**	**-**	**-**	951
Pipelines	-	**-**	-	-	**-**	**-**	**-**	**-**	**-**	-
Other	**567**	**199**	-	**4,264**	**38,778r**	**1,263r**	-	**18,741r**	**444**	**64,256r**
Domestic	514	199	-	3,013	29,622	1,032r	-	10,193	52	44,625r
Public administration	17	-	-	373	3,643	84	-	1,672	382	6,171
Commercial	35	-	-	362	4,559	17r	-	6,550r	9	11,532r
Agriculture	-	-	-	286	126	130r	-	327	-	869r
Miscellaneous	2	-	-	231	828r	0	-	-	-	1,061r
Non energy use	-	**132**	-	**8,247r**	**592**	-	-	-	-	**8,971r**

(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.

Aggregate energy balance 2008
Gross 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 sold	Total
Supply										
Indigenous production	11,305	-	78,715r	-	69,681	5,040r	12,965r	-	-	177,706r
Imports	28,748	500	65,895	25,888	35,012	975	-	1,057	-	158,076
Exports	-465	-142	-52,789r	-31,328	-10,548	-	-	-109	-	-95,381r
Marine bunkers	-	-	-	-3,663	-	-	-	-	-	-3,663
Stock change*(4)*	-1,949	+162	+60r	+54	-265	-	-	-	-	-1,937r
Primary supply	**37,640**	**520**	**+91,882r**	**-9,049**	**93,880**	**6,015r**	**12,965r**	**948**	**-**	**234,801r**
Statistical difference*(5)*	+150	-7	+113r	-107r	+47	-	-	+24r	-	+221r
Primary demand	**37,490**	**527**	**+91,769r**	**-8,942r**	**93,833**	**6,015r**	**12,965r**	**924r**	**-**	**234,580r**
Transfers	-	-126	-3,293r	+3,290r	-6	-	-1,056r	+1,056r	-	-135r
Transformation	**-35,641**	**1,671**	**-88,475r**	**86,188r**	**-34,586**	**-3,585r**	**-11,909**	**32,033r**	**1,537**	**-52,766r**
Electricity generation	-29,943	-858	-	-1,585	-32,400	-3,535r	-11,909	32,033r	-	-48,197r
Major power producers	-28,972	-	-	-1,109	-29,618	-803	-11,909	29,367	-	-43,044
Autogenerators	-971	-858	-	-476	-2,782	-2,732r	-	2,666r	-	-5,153r
Heat generation	-314	-51	-	-66	-2,186	-49	-	-	1,537	-1,129
Petroleum refineries	-	-	-88,475r	88,056r	-	-	-	-	-	-420r
Coke manufacture	-4,280	4,064	-	-	-	-	-	-	-	-217
Blast furnaces	-852	-1,718	-	-216	-	-	-	-	-	-2,787
Patent fuel manufacture	-251	235	-	-	-	-	-	-	-	-16
Other	-	-	-	-	-	-	-	-	-	-
Energy industry use	**4**	**849**	**-**	**5,544r**	**6,066**	**-**	**-**	**2,227r**	**72**	**14,762r**
Electricity generation	-	-	-	-	-	-	-	1,405r	-	1,405r
Oil and gas extraction	-	-	-	504	5,270	-	-	51	-	5,825
Petroleum refineries	-	-	-	5,040r	166	-	-	374	72	5,652r
Coal extraction	4	-	-	0	15	-	-	84	-	104
Coke manufacture	-	429	-	-	-	-	-	7	-	436
Blast furnaces	-	420	-	0	62	-	-	39	-	521
Patent fuel manufacture	-	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	110	-	110
Other	-	-	-	-	552	-	-	156	-	708
Losses	**-**	**236**	**-**	**-**	**673**	**-**	**-**	**2,395**	**-**	**3,304**
Final consumption	**1,845**	**986**	**-**	**74,992r**	**52,502**	**2,430r**	**-**	**29,391**	**1,465**	**163,613r**
Industry	**1,296**	**748**	**-**	**5,895**	**9,863**	**414r**	**-**	**9,815**	**1,021**	**29,053r**
Unclassified	-	239	-	4,785	3	414r	-	-	-	5,442r
Iron and steel	49	509	-	7	628	-	-	400	-	1,594
Non-ferrous metals	20	-	-	5	200	-	-	636	-	860
Mineral products	759	-	-	227	1,961	-	-	682	-	3,629
Chemicals	65	-	-	247	1,794	-	-	1,744	592	4,443
Mechanical engineering etc	10	-	-	1	579	-	-	741	4	1,334
Electrical engineering etc	4	-	-	-	280	-	-	636	-	920
Vehicles	35	-	-	119	303	-	-	500	-	956
Food, beverages etc	28	-	-	241	1,806	-	-	1,054	10	3,140
Textiles, leather etc	53	-	-	50	538	-	-	292	-	933
Paper, printing etc	105	-	-	36	812	-	-	1,106	1	2,061
Other industries	142	-	-	15	533	-	-	1,868	413	2,971
Construction	27	-	-	162	425	-	-	156	-	770
Transport *(6)*	**14**	**-**	**-**	**56,195**	**-**	**845**	**-**	**340r**	**-**	**57,393r**
Air	-	-	-	13,426	-	-	-	-	-	13,426
Rail	14	-	-	658	-	-	-	338r	-	1,010r
Road	-	-	-	41,098	-	845	-	2	-	41,944
National navigation	-	-	-	1,014	-	-	-	-	-	1,014
Pipelines	-	-	-	-	-	-	-	-	-	-
Other	**536**	**238**	**-**	**4,445**	**41,934**	**1,172r**	**-**	**19,236r**	**445**	**68,004r**
Domestic	515	238	-	3,033	30,916	943r	-	10,301	52	45,998r
Public administration	9	-	-	468	4,308	75r	-	1,750	387	6,997r
Commercial	7	-	-	402	5,503	14r	-	6,835r	6	12,766
Agriculture	3	-	-	300	122	140	-	350	-	914
Miscellaneous	1	-	-	242	1,085	0	-	-	-	1,329
Non energy use	-	-	-	**8,457r**	**706**	-	-	-	-	**9,163r**

(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.

Aggregate energy balance 2007
Gross 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 sold	Total
Supply										
Indigenous production	10,697	-	83,912	-	72,125	4,310	14,927	-	-	185,970
Imports	28,195	733	62,611	27,542	29,065	454	-	741	-	149,340
Exports	-419	-170	-55,754	-32,676	-10,590	-110	-	-292	-	-100,011
Marine bunkers	-	-	-	-2,513	-	-	-	-	-	-2,513
Stock change*(4)*	+1,947	-22	856	+1,182	+471	-	-	-	-	+4,435
Primary supply	**40,420**	**541**	**91,625**	**-6,465**	**91,071**	**4,654**	**14,927**	**448**	**-**	**237,221**
Statistical difference*(5)*	+12	-13	+3	-205	+16	-	-	-34	-	-221
Primary demand	**40,408**	**554**	**91,622**	**-6,260**	**91,055**	**4,654**	**14,927**	**482**	**-**	**237,443**
Transfers	-	-126	-2,670	+2,693	-7	-	-891	+891	-	-109
Transformation	**-38,617**	**1,703**	**-88,952**	**87,300**	**-32,633**	**-3,419**	**-14,036**	**32,898**	**1,406**	**-54,350**
Electricity generation	-32,904	-961	-	-1,161	-30,600	-3,419	-14,036	32,898	-	-50,182
Major power producers	-31,975	-	-	-704	-27,501	-675	-14,036	30,073	-	-44,818
Autogenerators	-929	-961	-	-457	-3,099	-2,744	-	2,825	-	-5,364
Heat generation	-304	-51	-	-65	-2,033	-	-	-	1,406	-1,047
Petroleum refineries	-	-	-88,952	88,735	-	-	-	-	-	-217
Coke manufacture	-4,319	4,171	-	-	-	-	-	-	-	-147
Blast furnaces	-904	-1,633	-	-210	-	-	-	-	-	-2,747
Patent fuel manufacture	-186	176	-	-	-	-	-	-	-	-9
Other	-	-	-	-	-	-	-	-	-	-
Energy industry use	**3**	**881**	**-**	**5,356**	**6,537**	**-**	**-**	**2,468**	**68**	**15,313**
Electricity generation	-	-	-	-	-	-	-	1,521	-	1,521
Oil and gas extraction	-	-	-	440	5,523	-	-	48	-	6,011
Petroleum refineries	-	-	-	4,916	448	-	-	484	68	5,916
Coal extraction	3	-	-	-	8	-	-	85	-	96
Coke manufacture	-	424	-	-	-	-	-	8	-	432
Blast furnaces	-	458	-	0	62	-	-	41	-	561
Patent fuel manufacture	-	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	104	-	104
Other	-	-	-	-	497	-	-	176	-	673
Losses	**-**	**216**	**-**	**-**	**1,038**	**-**	**-**	**2,427**	**-**	**3,682**
Final consumption	**1,788**	**1,032**	**-**	**78,378**	**50,840**	**1,235**	**-**	**29,377**	**1,338**	**163,989**
Industry	**1,268**	**839**	**-**	**6,095**	**11,466**	**276**	**-**	**9,699**	**896**	**30,540**
Unclassified	-	239	-	2,647	3	276	-	-	-	3,166
Iron and steel	54	600	-	67	630	-	-	425	-	1,776
Non-ferrous metals	22	-	-	48	246	-	-	635	-	952
Mineral products	759	-	-	239	1,451	-	-	672	-	3,121
Chemicals	76	-	-	192	2,592	-	-	1,737	480	5,076
Mechanical engineering etc	7	-	-	107	659	-	-	727	3	1,504
Electrical engineering etc	4	-	-	36	321	-	-	627	-	988
Vehicles	35	-	-	123	734	-	-	492	-	1,383
Food, beverages etc	25	-	-	283	1,975	-	-	1,039	2	3,324
Textiles, leather etc	52	-	-	119	523	-	-	288	-	981
Paper, printing etc	101	-	-	66	1,334	-	-	1,096	1	2,597
Other industries	134	-	-	1,999	794	-	-	1,808	411	5,145
Construction	-	-	-	169	204	-	-	155	-	528
Transport *(6)*	**14**	**-**	**-**	**59,055**	**-**	**362**	**-**	**341**	**-**	**59,771**
Air	-	-	-	13,906	-	-	-	-	-	13,906
Rail	14	-	-	646	-	-	-	339	-	999
Road	-	-	-	42,884	-	362	-	2	-	43,248
National navigation	-	-	-	1,618	-	-	-	-	-	1,618
Pipelines	-	-	-	-	-	-	-	-	-	-
Other	**506**	**193**	**-**	**4,378**	**38,495**	**597**	**-**	**19,338**	**442**	**63,948**
Domestic	487	193	-	2,877	30,341	400	-	10,583	52	44,932
Public administration	10	-	-	487	3,650	89	-	1,727	383	6,346
Commercial	4	-	-	409	2,846	19	-	6,679	7	9,964
Agriculture	3	-	-	294	172	89	-	349	-	907
Miscellaneous	2	-	-	310	1,486	-	-	-	-	1,799
Non energy use	**-**	**-**	**-**	**8,850**	**879**	**-**	**-**	**-**	**-**	**9,729**

(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.

Aggregate energy balance 2006
Gross 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 sold	Total
Supply										
Indigenous production	11,418	-	83,958	-	80,012	3,969	17,889	-	-	197,246
Imports	32,668	695	64,872	29,361	20,983	550	-	884	-	150,013
Exports	-342	-120	-54,875	-31,405	-10,369	-97	-	-238	-	-97,446
Marine bunkers	-	-	-	-2,486	-	-	-	-	-	-2,486
Stock change*(4)*	-808	-153	-391	-934	-553	-	-	-	-	-2,839
Primary supply	**42,936**	**422**	**93,564**	**-5,465**	**90,072**	**4,423**	**17,889**	**646**	**-**	**244,488**
Statistical difference*(5)*	-151	-5	-127	+115	+13	-	-	+9	-	-146
Primary demand	**43,087**	**427**	**93,691**	**-5,580**	**90,060**	**4,423**	**17,889**	**637**	**-**	**244,634**
Transfers	-	-109	-2,835	+2,869	-5	-	-759	+759	-	-80
Transformation	**-41,457**	**1,796**	**-90,856**	**88,911**	**-28,670**	**-3,471**	**-17,130**	**33,070**	**1,305**	**-56,502**
Electricity generation	-35,846	-967	-	-1,317	-26,776	-3,471	-17,130	33,070	-	-52,438
Major power producers	-34,944	-	-	-843	-23,917	-780	-17,130	30,412	-	-47,202
Autogenerators	-902	-967	-	-474	-2,860	-2,691	-	2,658	-	-5,236
Heat generation	-286	-51	-	-65	-1,894	-	-	-	1,305	-991
Petroleum refineries	-	-	-90,856	90,532	-	-	-	-	-	-325
Coke manufacture	-4,315	4,271	-	-	-	-	-	-	-	-44
Blast furnaces	-816	-1,659	-	-238	-	-	-	-	-	-2,713
Patent fuel manufacture	-194	202	-	-	-	-	-	-	-	8
Other	-	-	-	-	-	-	-	-	-	-
Energy industry use	**3**	**871**	**-**	**5,631**	**7,039**	**-**	**-**	**2,425**	**60**	**16,028**
Electricity generation	-	-	-	-	-	-	-	1,591	-	1,591
Oil and gas extraction	-	-	-	468	5,955	-	-	47	-	6,470
Petroleum refineries	-	-	-	5,163	444	-	-	401	60	6,067
Coal extraction	3	-	-	-	10	-	-	89	-	101
Coke manufacture	-	414	-	-	-	-	-	8	-	423
Blast furnaces	-	457	-	-	53	-	-	43	-	552
Patent fuel manufacture	-	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	92	-	92
Other	-	-	-	-	578	-	-	155	-	732
Losses	**-**	**177**	**-**	**-**	**1,033**	**-**	**-**	**2,357**	**-**	**3,567**
Final consumption	**1,627**	**1,065**	**-**	**80,570**	**53,313**	**952**		**29,684**	**1,245**	**168,456**
Industry	**1,164**	**849**	**-**	**6,099**	**12,428**	**213**	**-**	**9,879**	**809**	**31,442**
Unclassified	-	231	-	2,791	4	213	-	-	-	3,240
Iron and steel	1	618	-	20	721	-	-	504	-	1,863
Non-ferrous metals	37	-	-	53	267	-	-	647	-	1,004
Mineral products	691	-	-	200	1,531	-	-	677	-	3,098
Chemicals	84	-	-	188	2,952	-	-	1,753	371	5,348
Mechanical engineering etc	9	-	-	106	703	-	-	730	2	1,551
Electrical engineering etc	4	-	-	85	337	-	-	631	-	1,057
Vehicles	37	-	-	124	814	-	-	494	-	1,469
Food, beverages etc	17	-	-	282	2,039	-	-	1,042	1	3,381
Textiles, leather etc	49	-	-	131	571	-	-	289	-	1,040
Paper, printing etc	99	-	-	59	1,420	-	-	1,110	22	2,711
Other industries	135	-	-	1,886	848	-	-	1,844	414	5,127
Construction	-	-	-	174	220	-	-	158	-	552
Transport *(6)*	**14**	**-**	**-**	**58,956**	**-**	**188**	**-**	**344**	**-**	**59,501**
Air	-	-	-	13,999	-	-	-	-	-	13,999
Rail	14	-	-	632	-	-	-	342	-	988
Road	-	-	-	42,513	-	188	-	2	-	42,702
National navigation	-	-	-	1,812	-	-	-	-	-	1,812
Pipelines	-	-	-	-	-	-	-	-	-	-
Other	**450**	**216**	**-**	**4,780**	**40,205**	**550**	**-**	**19,461**	**436**	**66,098**
Domestic	426	216	-	3,251	31,550	358	-	10,723	52	46,575
Public administration	13	-	-	490	3,938	83	-	1,721	376	6,621
Commercial	4	-	-	394	2,947	19	-	6,673	8	10,045
Agriculture	3	-	-	306	173	90	-	345	-	917
Miscellaneous	3	-	-	340	1,596	-	-	-	-	1,940
Non energy use	**-**	**-**	**-**	**10,734**	**680**	**-**	**-**	**-**	**-**	**11,415**

(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.

Aggregate energy balance 2005
Gross 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 sold	Total
Supply										
Indigenous production	12,714	-	92,883	-	88,219	3,681	19,044	-	-	216,541
Imports	28,534	623	64,255	24,550	14,904	487	-	960	-	134,312
Exports	-420	-89	-59,177	-32,326	-8,270	-	-	-244	-	-100,527
Marine bunkers	-	-	-	-2,180	-	-	-	-	-	-2,180
Stock change*(4)*	-1,406	-97	-416	+2,093	+114	-	-	-	-	+288
Primary supply	**39,422**	**437**	**97,545**	**-7,863**	**94,966**	**4,168**	**19,044**	**715**	**-**	**248,435**
Statistical difference*(5)*	+23	-7	-121	+464	+10	-	-	+20	-	+390
Primary demand	**39,399**	**443**	**97,665**	**-8,327**	**94,957**	**4,168**	**19,044**	**696**	**-**	**248,045**
Transfers	-	-113	-3,643	+3,644	-4	-	-674	+674	-	-116
Transformation	**-37,700**	**1,737**	**-94,022**	**92,155**	**-30,451**	**-3,371**	**-18,370**	**33,327**	**1,366**	**-55,330**
Electricity generation	-32,408	-990	-	-1,348	-28,517	-3,371	-18,370	33,327	-	-51,678
Major power producers	-31,528	-	-	-827	-25,421	-810	-18,370	30,564	-	-46,392
Autogenerators	-880	-990	-	-521	-3,097	-2,561	-	2,764	-	-5,285
Heat generation	-286	-51	-	-65	-1,934	-	-	-	1,366	-971
Petroleum refineries	-	-	-94,022	93,850	-	-	-	-	-	-172
Coke manufacture	-4,053	4,024	-	-	-	-	-	-	-	-29
Blast furnaces	-756	-1,446	-	-281	-	-	-	-	-	-2,484
Patent fuel manufacture	-197	200	-	-	-	-	-	-	-	3
Other	-	-	-	-	-	-	-	-	-	-
Energy industry use	**4**	**820**	**-**	**6,491**	**7,495**	**-**	**-**	**2,337**	**98**	**17,245**
Electricity generation	-	-	-	-	-	-	-	1,537	26	1,563
Oil and gas extraction	-	-	-	519	6,309	-	-	43	-	6,871
Petroleum refineries	-	-	-	5,973	444	-	-	383	71	6,872
Coal extraction	4	-	-	-	10	-	-	92	-	106
Coke manufacture	-	396	-	-	-	-	-	8	-	404
Blast furnaces	-	424	-	-	81	-	-	44	-	549
Patent fuel manufacture	-	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	67	-	67
Other	-	-	-	-	651	-	-	162	-	813
Losses	**-**	**211**	**-**	**-**	**943**	**-**	**-**	**2,380**	**-**	**3,533**
Final consumption	**1,695**	**1,035**	**-**	**80,981**	**56,064**	**798**	**-**	**29,981**	**1,268**	**171,821**
Industry	**1,180**	**812**	**-**	**6,282**	**13,022**	**201**	**-**	**9,976**	**831**	**32,303**
Unclassified	-	226	-	2,675	5	201	-	-	-	3,107
Iron and steel	-	586	-	17	727	-	-	432	-	1,761
Non-ferrous metals	24	-	-	54	272	-	-	661	-	1,012
Mineral products	739	-	-	221	1,574	-	-	686	-	3,219
Chemicals	84	-	-	204	3,102	-	-	1,816	392	5,598
Mechanical engineering etc	10	-	-	119	737	-	-	742	3	1,611
Electrical engineering etc	3	-	-	36	355	-	-	638	-	1,033
Vehicles	38	-	-	141	856	-	-	502	-	1,537
Food, beverages etc	19	-	-	329	2,143	-	-	1,055	1	3,546
Textiles, leather etc	50	-	-	111	605	-	-	292	-	1,057
Paper, printing etc	98	-	-	92	1,521	-	-	1,137	31	2,878
Other industries	116	-	-	2,095	894	-	-	1,848	405	5,358
Construction	-	-	-	190	230	-	-	166	-	586
Transport *(6)*	**3**	**-**	**-**	**58,367**	**-**	**74**	**-**	**349**	**-**	**58,793**
Air	-	-	-	13,856	-	-	-	-	-	13,856
Rail	3	-	-	634	-	-	-	347	-	984
Road	-	-	-	42,507	-	74		2	-	42,582
National navigation	-	-	-	1,370	-	-	-	-	-	1,370
Pipelines	-	-	-	-	-	-	-	-	-	-
Other	**512**	**223**	**-**	**4,867**	**42,362**	**523**	**-**	**19,655**	**437**	**68,580**
Domestic	474	223	-	3,094	32,836	318	-	10,809	52	47,805
Public administration	27	-	-	543	4,327	105	-	1,722	376	7,098
Commercial	4	-	-	388	3,284	20	-	6,780	10	10,486
Agriculture	6	-	-	382	194	81	-	344	-	1,007
Miscellaneous	1	-	-	461	1,721	-	-	-	-	2,183
Non energy use	**-**	**-**	**-**	**11,465**	**680**	**-**	**-**	**-**	**-**	**12,145**

(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.

Aggregate energy balance 2004
Gross 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 sold	Total
Supply										
Indigenous production	15,594	-	104,547	-	96,411	3,080	18,746	-	-	238,378
Imports	23,458	724	68,214	20,180	11,439	402	-	841	-	125,258
Exports	-448	-124	-70,513	-33,108	-9,812	-	-	-197	-	-114,202
Marine bunkers	-	-	-	-2,221	-	-	-	-	-	-2,221
Stock change *(4)*	-56	-83	-149	-327	-536	-	-	-	-	-1,152
Primary supply	**38,548**	**517**	**102,099**	**-15,476**	**97,502**	**3,482**	**18,746**	**644**	**-**	**246,062**
Statistical difference *(5)*	+1	-52	-176	-51	+60	-	-	+211	-	-6
Primary demand	**38,547**	**568**	**102,275**	**-15,426**	**97,441**	**3,482**	**18,746**	**433**	**-**	**246,068**
Transfers	-	-118	-4,196	+4,178	-3	-	-583	+583	-	-139
Transformation	**-36,554**	**1,706**	**-98,080**	**97,272**	**-31,184**	**-2,767**	**-18,163**	**33,061**	**1,273**	**-53,437**
Electricity generation	-31,368	-921	-	-645	-29,306	-2,767	-18,163	33,061	-	-50,109
Major power producers	-30,471	-	-	-153	-26,182	-540	-18,163	30,246	-	-45,263
Autogenerators	-897	-921	-	-492	-3,124	-2,227	-	2,815	-	-4,846
Heat generation	-297	-51	-	-72	-1,878	-	-	-	1,273	-1,024
Petroleum refineries	-	-	-98,080	98,297	-	-	-	-	-	217
Coke manufacture	-3,997	3,978	-	-	-	-	-	-	-	-18
Blast furnaces	-652	-1,541	-	-309	-	-	-	-	-	-2,502
Patent fuel manufacture	-241	241	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-
Energy industry use	**6**	**849**	**-**	**5,810**	**7,607**	**-**	**-**	**2,291**	**16**	**16,579**
Electricity generation	-	-	-	-	-	-	-	1,464	2	1,466
Oil and gas extraction	-	-	-	-	6,619	-	-	48	-	6,667
Petroleum refineries	-	-	-	5,809	264	-	-	402	14	6,489
Coal extraction	6	-	-	1	13	-	-	88	-	108
Coke manufacture	-	397	-	-	-	-	-	8	-	405
Blast furnaces	-	449	-	-	63	-	-	40	-	552
Patent fuel manufacture	-	3	-	-	-	-	-	-	-	3
Pumped storage	-	-	-	-	-	-	-	73	-	73
Other	-	-	-	-	648	-	-	167	-	815
Losses	**-**	**201**	**-**	**-**	**706**	**-**	**-**	**2,642**	**-**	**3,549**
Final consumption	**1,988**	**1,106**	**-**	**80,214**	**57,942**	**715**	**-**	**29,144**	**1,258**	**172,365**
Industry	**1,235**	**839**	-	**6,918**	**13,238**	**265**	-	**9,584**	**832**	**32,912**
Unclassified	-	257	-	2,632	6	265	-	-	-	3,160
Iron and steel	-	582	-	35	835	-	-	465	-	1,918
Non-ferrous metals	7	-	-	53	275	-	-	642	-	977
Mineral products	751	-	-	201	1,152	-	-	648	-	2,752
Chemicals	94	-	-	203	3,611	-	-	1,714	394	6,015
Mechanical engineering etc.	10	-	-	117	740	-	-	723	2	1,593
Electrical engineering etc.	3	-	-	38	358	-	-	568	-	967
Vehicles	56	-	-	109	879	-	-	480	-	1,525
Food, beverages, etc.	26	-	-	345	2,428	-	-	1,036	2	3,837
Textiles, leather, etc.	58	-	-	74	612	-	-	287	-	1,030
Paper, printing etc.	96	-	-	59	1,193	-	-	1,132	27	2,508
Other industries	133	-	-	2,898	895	-	-	1,734	407	6,067
Construction	-	-	-	156	252	-	-	155	-	563
Transport *(6)*	**-**	**-**	**-**	**57,025**	**-**	**-**	-	**349**	**-**	**57,374**
Air	-	-	-	12,908	-	-	-	-	-	12,908
Rail	-	-	-	700	-	-	-	347	-	1,047
Road	-	-	-	42,221	-	-	-	2	-	42,222
National navigation	-	-	-	1,196	-	-	-	-	-	1,196
Pipelines	-	-	-	-	-	-	-	-	-	-
Other	**752**	**267**	-	**4,703**	**43,842**	**449**	-	**19,211**	**425**	**69,650**
Domestic	733	267	-	3,265	34,085	252	-	10,679	52	49,333
Public administration	9	-	-	504	4,466	104	-	1,733	368	7,184
Commercial	4	-	-	417	3,233	20	-	6,451	5	10,129
Agriculture	5	-	-	277	202	74	-	348	-	906
Miscellaneous	1	-	-	240	1,857	-	-	-	-	2,098
Non energy use	-	-	-	**11,567**	**862**	-	-	-	-	**12,429**

(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.

Aggregate energy balance 2003
Gross 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 sold	Total
Supply										
Indigenous production	17,636	-	116,242	-	102,996	3,008	20,428	-	-	260,310
Imports	20,703	694	59,114	17,948	7,420	110	-	440	-	106,430
Exports	-396	-133	-81,927	-25,274	-15,223	-	-	-254	-	-123,208
Marine bunkers	-	-	-	-1,879	-	-	-	-	-	-1,879
Stock change *(4)*	+2,070	-91	+511	-294	+304	-	-	-	-	+2,499
Primary supply	**40,013**	**469**	**93,940**	**-9,500**	**95,498**	**3,118**	**20,428**	**186**	**-**	**244,152**
Statistical difference *(5)*	-97	-49	+210	-661	+133	-	-	+190	-	-273
Primary demand	**40,109**	**518**	**93,730**	**-8,839**	**95,364**	**3,118**	**20,428**	**-4**	**-**	**244,425**
Transfers	-	-124	-1,367	+1,295	-7	-	-388	+388	-	-203
Transformation	**-38,027**	**1,853**	**-92,363**	**91,545**	**-29,614**	**-2,408**	**-20,040**	**33,616**	**1,789**	**-53,649**
Electricity generation	-32,548	-934	-	-591	-27,909	-2,408	-20,040	33,616	-	-50,813
Major power producers	-31,592	-	-	-105	-24,476	-381	-20,040	30,722	-	-45,872
Autogenerators	-956	-934	-	-486	-3,432	-2,027	-	2,894	-	-4,941
Heat generation	-386	-116	-	-158	-1,705	-	-	-	1,789	-576
Petroleum refineries	-	-	-92,363	92,533	-	-	-	-	-	169
Coke manufacture	-4,170	4,212	-	-	-	-	-	-	-	42
Blast furnaces	-642	-1,601	-	-238	-	-	-	-	-	-2,481
Patent fuel manufacture	-282	292	-	-	-	-	-	-	-	10
Other	-	-	-	-	-	-	-	-	-	-
Energy industry use	**4**	**898**	**-**	**5,806**	**7,646**	**-**	**-**	**2,523**	**2**	**16,879**
Electricity generation	-	-	-	-		-	-	1,559	2	1,562
Oil and gas extraction	-	-	-	-	6,608	-	-	47	-	6,655
Petroleum refineries	-	-	-	5,804	238	-	-	496	-	6,539
Coal extraction	4	-	-	2	16	-	-	102	-	124
Coke manufacture	-	421	-	-	-	-	-	-	-	421
Blast furnaces	-	473	-	-	46	-	-	42	-	562
Patent fuel manufacture	-	3	-	-	-	-	-	-	-	3
Pumped storage	-	-	-	-	-	-	-	70	-	70
Other	-	-	-	-	737	-	-	206	-	943
Losses	**-**	**160**	-	**-**	**535**	**-**	**-**	**2,568**	**-**	**3,262**
Final consumption	**2,078**	**1,190**	-	**78,195**	**57,563**	**710**	**-**	**28,910**	**1,787**	**170,432**
Industry	**1,248**	**844**	**-**	**6,899**	**14,292**	**267**	**-**	**9,396**	**1,128**	**34,074**
Unclassified	-	255	-	2,505	6	267	-	-	-	3,033
Iron and steel	-	572	-	19	888	-	-	467	-	1,947
Non-ferrous metals	8	17	-	48	411	-	-	623	-	1,107
Mineral products	799	-	-	243	1,213	-	-	641	-	2,895
Chemicals	46	-	-	197	3,873	-	-	1,697	1,097	6,911
Mechanical engineering etc.	10	-	-	151	785	-	-	734	12	1,692
Electrical engineering etc.	1	-	-	28	378	-	-	513	-	921
Vehicles	49	-	-	100	999	-	-	482	14	1,644
Food, beverages, etc.	36	-	-	222	2,476	-	-	984	5	3,724
Textiles, leather, etc.	61	-	-	110	679	-	-	293	-	1,143
Paper, printing etc.	88	-	-	56	1,367	-	-	1,079	-	2,590
Other industries	148	-	-	2,899	957	-	-	1,736	-	5,740
Construction	-	-	-	322	259	-	-	146	-	727
Transport *(6)*	**-**	**-**	-	**55,660**	**-**	-	-	**706**	-	**56,366**
Air	-	-	-	11,936	-	-	-	-	-	11,936
Rail	-	-	-	667	-	-	-	706	-	1,373
Road	-	-	-	41,823	-	-	-	-	-	41,823
National navigation	-	-	-	1,234	-	-	-	-	-	1,234
Pipelines	-	-	-	-	-	-	-	-	-	-
Other	**830**	**346**	-	**4,213**	**42,409**	**443**	**-**	**18,807**	**659**	**67,707**
Domestic	813	346	-	3,068	33,232	247	-	10,576	11	48,293
Public administration	8	-	-	399	3,814	104	-	1,756	627	6,709
Commercial	4	-	-	326	3,400	20	-	6,131	-	9,879
Agriculture	4	-	-	328	200	72	-	344	-	949
Miscellaneous	2	-	-	91	1,764	-	-	-	21	1,877
Non energy use	-	-	-	**11,423**	**862**	-	-	-	-	**12,285**

(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.

Aggregate energy balance 2002
Gross 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 sold	Total
Supply										
Indigenous production	18,808	-	127,037	-	103,646	2,755	20,619	-	-	272,864
Imports	18,814	181	62,152	16,195	5,201	-	-	790	-	103,334
Exports	-394	-272	-95,288	-25,470	-12,961	-	-	-66	-	-134,451
Marine bunkers	-	-	-	-2,044	-	-	-	-	-	-2,044
Stock change *(4)*	+375	+188	+158	+1,356	-633	-	-	-	-	+1,445
Primary supply	**37,603**	**96**	**94,060**	**-9,963**	**95,255**	**2,755**	**20,619**	**723**	**-**	**241,149**
Statistical difference *(5)*	+188	-34	-556	+66	+153	-	-	+84	-	-99
Primary demand	**37,415**	**131**	**94,616**	**-10,029**	**95,102**	**2,755**	**20,619**	**639**	**-**	**241,248**
Transfers	-	-102	-2,017	+1,972	-9	-	-520	+520	-	-156
Transformation	**-35,200**	**2,390**	**-92,599**	**90,817**	**-30,254**	**-2,073**	**-20,099**	**32,549**	**2,089**	**-52,379**
Electricity generation	-29,683	-594	-	-731	-28,362	-2,073	-20,099	32,549	-	-48,993
Major power producers	-28,706	-	-	-124	-25,044	-275	-20,099	29,872	-	-44,375
Autogenerators	-978	-594	-	-607	-3,318	-1,798	-	2,677	-	-4,617
Heat generation	-446	-164	-	-260	-1,892	-	-	-	2,089	-673
Petroleum refineries	-	-	-92,599	92,001	-	-	-	-	-	-598
Coke manufacture	-4,226	4,193	-	-	-	-	-	-	-	-34
Blast furnaces	-529	-1,362	-	-193	-	-	-	-	-	-2,083
Patent fuel manufacture	-315	317	-	-	-	-	-	-	-	2
Other	-	-	-	-	-	-	-	-	-	-
Energy industry use	**6**	**829**	**-**	**6,044**	**7,847**	**-**	**-**	**2,463**	**6**	**17,195**
Electricity generation	-	-	-	-	-	-	-	1,473	6	1,478
Oil and gas extraction	-	-	-	-	6,824	-	-	46	-	6,871
Petroleum refineries	-	-	-	6,044	288	-	-	563	-	6,896
Coal extraction	6	-	-	-	17	-	-	100	-	123
Coke manufacture	-	411	-	-	-	-	-	-	-	411
Blast furnaces	-	399	-	-	19	-	-	43	-	461
Patent fuel manufacture	-	20	-	-	-	-	-	-	-	20
Pumped storage	-	-	-	-	-	-	-	70	-	70
Other	-	-	-	-	699	-	-	168	-	867
Losses	**-**	**89**	**-**	**-**	**831**	**-**	**-**	**2,578**	**-**	**3,498**
Final consumption	**2,209**	**1,501**	**-**	**76,716**	**56,161**	**682**	**-**	**28,667**	**2,084**	**168,020**
Industry	**1,186**	**1,085**	**-**	**6,248**	**14,202**	**250**	**-**	**9,473**	**1,321**	**33,764**
Unclassified	-	307	-	2,185	8	250	-	-	-	2,749
Iron and steel	-	736	-	82	756	-	-	438	-	2,011
Non-ferrous metals	14	42	-	80	452	-	-	544	-	1,132
Mineral products	782	-	-	259	1,215	-	-	603	4	2,864
Chemicals	40	-	-	229	3,807	-	-	1,923	1,310	7,309
Mechanical engineering etc.	11	-	-	229	797	-	-	730	-	1,767
Electrical engineering etc.	5	-	-	49	397	-	-	501	-	952
Vehicles	42	-	-	198	991	-	-	479	-	1,710
Food, beverages, etc.	32	-	-	256	2,484	-	-	1,020	6	3,799
Textiles, leather, etc.	60	-	-	125	674	-	-	294	-	1,153
Paper, printing etc.	82	-	-	79	1,329	-	-	1,005	-	2,495
Other industries	117	-	-	2,003	1,009	-	-	1,788	-	4,917
Construction	-	-	-	476	284	-	-	146	-	906
Transport *(6)*	**-**	**-**	**-**	**54,958**	**-**	**-**	**-**	**727**	**-**	**55,685**
Air	-	-	-	11,658	-	-	-	-	-	11,658
Rail	-	-	-	662	-	-	-	727	-	1,389
Road	-	-	-	41,936	-	-	-	-	-	41,936
National navigation	-	-	-	702	-	-	-	-	-	702
Pipelines	-	-	-	-	-	-	-	-	-	-
Other	**1,024**	**416**	**-**	**4,893**	**41,032**	**432**	**-**	**18,468**	**763**	**67,027**
Domestic	1,009	416	-	3,087	32,362	243	-	10,319	33	47,471
Public administration	5	-	-	743	3,697	97	-	1,750	730	7,022
Commercial	4	-	-	396	3,115	19	-	6,050	-	9,583
Agriculture	4	-	-	563	202	72	-	348	-	1,189
Miscellaneous	1	-	-	104	1,657	-	-	-	-	1,762
Non energy use	-	-	-	**10,617**	**927**	-	-	-	-	**11,544**

(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.

Aggregate energy balance 2001
Gross 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 sold	Total
Supply										
Indigenous production	19,969	-	127,828	-	105,870	2,533	21,227	-	-	277,426
Imports	23,455	111	58,425	18,811	2,619	-	-	917	-	104,337
Exports	-412	-268	-95,047	-20,633	-11,894	-	-	-23	-	-128,277
Marine bunkers	-	-	-	-2,433	-	-	-	-	-	-2,433
Stock change *(4)*	-2,192	+115	-667	-666	-57	-	-	-	-	-3,467
Primary supply	**40,820**	**-42**	**90,538**	**-4,922**	**96,538**	**2,533**	**21,227**	**894**	**-**	**247,586**
Statistical difference *(5)*	-140	-56	+109	+376	+179	-	-	+100	-	+569
Primary demand	**40,960**	**14**	**90,429**	**-5,298**	**96,359**	**2,533**	**21,227**	**794**	**-**	**247,017**
Transfers	-	-112	+490	-365	-6	-	-432	+432	-	+8
Transformation	**-38,249**	**2,890**	**-90,919**	**87,921**	**-28,936**	**-1,877**	**-20,795**	**32,445**	**2,330**	**-55,190**
Electricity generation	-31,485	-600	-	-1,040	-26,908	-1,877	-20,795	32,445	-	-50,261
Major power producers	-30,489	-	-	-380	-23,797	-688	-20,795	29,873	-	-46,277
Autogenerators	-996	-600	-	-660	-3,110	-1,189	-	2,572	-	-3,984
Heat generation	-468	-207	-	-699	-2,028	-	-	-	2,330	-1,071
Petroleum refineries	-	-	-90,919	89,817	-	-	-	-	-	-1,101
Coke manufacture	-5,372	5,068	-	-	-	-	-	-	-	-304
Blast furnaces	-575	-1,727	-	-157	-	-	-	-	-	-2,459
Patent fuel manufacture	-350	356	-	-	-	-	-	-	-	6
Other	-	-	-	-	-	-	-	-	-	-
Energy industry use	**7**	**957**	**-**	**5,421**	**7,863**	**-**	**-**	**2,405**	**3**	**16,656**
Electricity generation	-	-	-	-	-	-	-	1,496	3	1,498
Oil and gas extraction	-	-	-	-	6,746	-	-	58	-	6,804
Petroleum refineries	-	-	-	5,421	360	-	-	450	-	6,231
Coal extraction	7	-	-	-	18	-	-	90	-	115
Coke manufacture	-	462	-	-	1	-	-	15	-	478
Blast furnaces	-	464	-	-	32	-	-	76	-	572
Patent fuel manufacture	-	32	-	-	-	-	-		-	32
Pumped storage	-	-	-	-	-	-	-	68	-	68
Other	-	-	-	-	706	-	-	152	-	858
Losses	**-**	**103**	**-**	**-**	**762**	**-**	**-**	**2,657**	**-**	**3,522**
Final consumption	**2,704**	**1,731**	**-**	**76,838**	**58,792**	**656**		**28,609**	**2,327**	**171,657**
Industry	**1,195**	**1,355**	-	**6,611**	**15,464**	**243**	**-**	**9,573**	**1,001**	**35,443**
Unclassified	-	243	-	2,122	9	243	-	-	-	2,617
Iron and steel	1	1,023	-	79	731	-	-	456	-	2,290
Non-ferrous metals	8	89	-	81	487	-	-	630	-	1,295
Mineral products	812	-	-	292	1,338	-	-	623	2	3,068
Chemicals	23	-	-	253	4,305	-	-	1,812	988	7,382
Mechanical engineering etc.	10	-	-	272	830	-	-	737	-	1,849
Electrical engineering etc.	6	-	-	62	432	-	-	490	-	990
Vehicles	41	-	-	186	1,035	-	-	501	-	1,763
Food, beverages, etc.	29	-	-	297	2,553	-	-	995	-	3,875
Textiles, leather, etc.	54	-	-	170	685	-	-	284	10	1,202
Paper, printing etc.	73	-	-	111	1,425	-	-	990	-	2,599
Other industries	138	-	-	2,171	1,353	-	-	1,910	-	5,573
Construction	-	-	-	514	280	-	-	146	-	940
Transport *(6)*	**-**	**-**	**-**	**54,378**	**-**	**-**	**-**	**759**	**-**	**55,137**
Air	**-**	**-**	**-**	11,774	**-**	**-**	**-**	**-**	**-**	11,774
Rail	**-**	**-**	**-**	664	**-**	**-**	**-**	759	**-**	1,423
Road	**-**	**-**	**-**	41,097	**-**	**-**	**-**	**-**	**-**	41,097
National navigation	**-**	**-**	**-**	844	**-**	**-**	**-**	**-**	**-**	844
Pipelines	**-**	**-**	**-**	-	**-**	**-**	**-**	**-**	**-**	-
Other	**1,509**	**376**	-	**6,095**	**42,351**	**413**	**-**	**18,277**	**1,326**	**70,346**
Domestic	1,461	376	-	3,527	32,625	240	-	9,917	32	48,178
Public administration	34	-	-	845	3,975	90	-	1,815	1,287	8,045
Commercial	3	-	-	940	3,190	11	-	6,192	-	10,336
Agriculture	3	-	-	650	200	72	-	353	7	1,286
Miscellaneous	7	-	-	133	2,360	-	-	-	-	2,500
Non energy use	**-**	**-**	**-**	**9,754**	**978**	**-**	**-**	**-**	**-**	**10,732**

(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.

Aggregate energy balance 2000
Gross 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 sold	Total
Supply										
Indigenous production	19,551	-	138,282	-	108,397	2,306	20,153	-	-	288,690
Imports	15,732	347	59,341	15,470	2,238	-	-	1,230	-	94,359
Exports	-497	-315	-101,585	-22,338	-12,583	-	-	-12	-	-137,330
Marine bunkers	-	-	-	-2,208	-	-	-	-	-	-2,208
Stock change *(4)*	+3,836	-113	+1,196	-389	-952	-	-	-	-	+3,579
Primary supply	**38,622**	**-81**	**97,235**	**-9,464**	**97,100**	**2,306**	**20,153**	**1,219**	**-**	**247,090**
Statistical difference *(5)*	-39	-194	+542	+241	+242	+0	-	+128	-	+920
Primary demand	**38,661**	**113**	**96,693**	**-9,705**	**96,858**	**2,306**	**20,153**	**1,090**	**-**	**246,169**
Transfers	-	-61	-196	+307	-38	-	-519	+519	-	+13
Transformation	**-35,919**	**2,996**	**-96,140**	**92,364**	**-30,048**	**-1,634**	**-19,634**	**31,672**	**2,515**	**-53,828**
Electricity generation	-28,626	-899	-	-1,047	-27,907	-1,634	-19,634	31,672	-	-48,076
Major power producers	-27,748	-	-	-392	-24,401	-239	-19,634	28,784	-	-43,630
Autogenerators	-878	-899	-	-656	-3,506	-1,395	-	2,888	-	-4,446
Heat generation	-443	-209	-	-733	-2,140	-	-	-	2,515	-1,010
Petroleum refineries	-	-	-96,140	94,345	-	-	-	-	-	-1,795
Coke manufacture	-6,131	5,686	-	-	-	-	-	-	-	-446
Blast furnaces	-340	-1,977	-	-200	-	-	-	-	-	-2,517
Patent fuel manufacture	-380	395	-	-	-	-	-	-	-	16
Other	-	-	-	-	-	-	-	-	-	-
Energy industry use	**9**	**1,134**	**357**	**5,623**	**6,702**	**-**	**-**	**2,406**	**-**	**16,230**
Electricity generation	-	-	-	-	-	-	-	1,402	-	1,402
Oil and gas extraction	-	-	357	-	5,637	-	-	45	-	6,039
Petroleum refineries	-	-	-	5,576	313	-	-	547	-	6,436
Coal extraction	9	-	-	-	19	-	-	94	-	122
Coke manufacture	-	569	-	-	1	-	-	16	-	586
Blast furnaces	-	531	-	-	61	-	-	75	-	667
Patent fuel manufacture	-	35	-	-	-	-	-	-	-	35
Pumped storage	-	-	-	-	-	-	-	69	-	69
Other	-	-	-	46	670	-	-	157	-	874
Losses	**-**	**165**	**-**	**-**	**1,761**	**-**	**-**	**2,549**	**-**	**4,475**
Final consumption	**2,733**	**1,750**	**-**	**77,343**	**58,310**	**672**		**28,325**	**2,515**	**171,649**
Industry	**1,228**	**1,290**	**-**	**6,039**	**15,773**	**264**	**-**	**9,812**	**1,099**	**35,506**
Unclassified	-	398	-	2,399	10	264	-	-	-	3,072
Iron and steel	1	778	-	150	770	-	-	546	-	2,245
Non-ferrous metals	7	114	-	41	507	-	-	529	-	1,198
Mineral products	800	-	-	261	1,363	-	-	697	2	3,123
Chemicals	23	-	-	216	4,260	-	-	2,041	1,087	7,628
Mechanical engineering etc.	7	-	-	200	958	-	-	810	-	1,975
Electrical engineering etc.	2	-	-	37	454	-	-	533	-	1,026
Vehicles	34	-	-	135	1,011	-	-	543	-	1,723
Food, beverages, etc.	12	-	-	224	2,565	-	-	1,008	-	3,810
Textiles, leather, etc.	45	-	-	149	727	-	-	309	10	1,241
Paper, printing etc.	84	-	-	44	1,485	-	-	982	-	2,594
Other industries	213	-	-	1,715	1,398	-	-	1,678	-	5,004
Construction	-	-	-	467	264	-	-	136	-	867
Transport *(6)*	**-**	**-**	**-**	**54,720**	**-**	**-**	**-**	**741**	**-**	**55,461**
Air	-	-	-	11,978	-	-	-	-	-	11,978
Rail	-	-	-	639	-	-	-	741	-	1,380
Road	-	-	-	41,071	-	-	-	-	-	41,071
National navigation	-	-	-	1,032	-	-	-	-	-	1,032
Pipelines	-	-	-	-	-	-	-	-	-	-
Other	**1,505**	**460**	**-**	**5,534**	**41,304**	**408**	**-**	**17,772**	**1,416**	**68,398**
Domestic	1,448	460	-	3,239	31,806	236	-	9,617	44	46,851
Public administration	42	-	-	1,044	3,831	88	-	1,798	1,287	8,090
Commercial	5	-	-	469	3,114	11	-	5,982	-	9,581
Agriculture	5	-	-	634	131	72	-	375	-	1,216
Miscellaneous	6	-	-	148	2,422	-	-	-	84	2,660
Non energy use	**-**	**-**	**-**	**11,050**	**1,233**	**-**	**-**	**-**	**-**	**12,283**

(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 (-).
(6) See paragraphs 5.12 regarding electricity use in transport and 6.41 regarding renewables use in transport.
(6) See paragraphs 5.12 regarding electricity use in transport and 6.40 regarding renewables use in transport.

Aggregate energy balance 1999

Gross 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 sold	Total
Supply										
Indigenous production	23,219	-	150,160	-	99,109	2,225	22,942	-	-	297,655
Imports	13,734	305	48,964	15,121	1,106	-	-	1,247	-	80,476
Exports	-578	-195	-100,396	-23,524	-7,260	-	-	-23	-	-131,976
Marine bunkers	-	-	-	-2,471	-	-	-	-	-	-2,471
Stock change *(4)*	-668	+177	-214	+642	+670	-	-	-	-	+606
Primary supply	**35,706**	**287**	**98,514**	**-10,232**	**93,624**	**2,225**	**22,942**	**1,225**	**-**	**244,291**
Statistical difference *(5)*	-400	-269	+68	+1,122	+61	-	-	+134	-	+715
Primary demand	**36,106**	**556**	**98,446**	**-11,353**	**93,564**	**2,226**	**22,942**	**1,090**	**-**	**243,576**
Transfers	-	-20	-1,650	+1,694	-44	-	-532	+532	-	-20
Transformation	**-32,641**	**2,622**	**-96,406**	**92,569**	**-29,379**	**-1,538**	**-22,410**	**30,874**	**2,498**	**-53,811**
Electricity generation	-25,516	-901	-	-1,247	-27,128	-1,434	-22,410	30,874	-	-47,761
Major power producers	-24,541	-	-	-386	-24,247	-193	-22,410	28,313	-	-43,464
Autogenerators	-975	-901	-	-860	-2,881	-1,241	-	2,561	-	-4,297
Heat generation	-402	-246	-	-734	-2,252	-104	-	-	2,498	-1,238
Petroleum refineries	-	-	-96,406	94,828	-	-	-	-	-	-1,578
Coke manufacture	-5,900	5,401	-	-	-	-	-	-	-	-499
Blast furnaces	-368	-2,101	-	-279	-	-	-	-	-	-2,748
Patent fuel manufacture.	-455	469	-	-	-	-	-	-	-	14
Other	-	-	-	-	-	-	-	-	-	-
Energy industry use	**7**	**1,120**	**391**	**5,943**	**6,618**	**-**	**-**	**2,312**	**-**	**16,391**
Electricity generation	-	-	-	-	-	-	-	1,437	-	1,437
Oil & gas extraction	-	-	391	-	5,558	-	-	35	-	5,983
Petroleum refineries	-	-	-	5,879	357	-	-	428	-	6,665
Coal extraction	7	-	-	-	22	-	-	117	-	146
Coke manufacture	-	547	-	-	1	-	-	-	-	548
Blast furnaces	-	548	-	4	55	-	-	82	-	689
Patent fuel manufacture	-	24	-	-	-	-	-	-	-	24
Pumped storage	-	-	-	-	-	-	-	75	-	75
Other	-	-	-	60	626	-	-	139	-	825
Losses	**-**	**163**	**-**	**-**	**1,262**	**-**	**-**	**2,433**	**-**	**3,858**
Final consumption	**3,458**	**1,875**	**-**	**76,966**	**56,261**	**688**	**-**	**27,751**	**2,498**	**169,497**
Industry	**1,353**	**1,379**	**-**	**5,374**	**15,203**	**283**	**-**	**9,542**	**1,086**	**34,222**
Unclassified	-	250	-	2,309	13	283	-	-	-	2,856
Iron and steel	9	1,027	-	33	1,859	-	-	841	-	3,768
Non-ferrous metals	207	102	-	40	477	-	-	507	-	1,333
Mineral products	378	-	-	228	1,250	-	-	625	2	2,482
Chemicals	297	-	-	67	4,023	-	-	1,864	1,074	7,326
Mechanical engineering etc.	18	-	-	160	875	-	-	759	-	1,812
Electrical engineering etc.	5	-	-	28	339	-	-	516	-	888
Vehicles	55	-	-	112	913	-	-	483	-	1,562
Food, beverages, etc.	151	-	-	173	2,399	-	-	1,077	-	3,800
Textiles, leather, etc.	42	-	-	124	599	-	-	323	10	1,098
Paper, printing etc.	83	-	-	30	1,078	-	-	945	-	2,135
Other industries	109	-	-	1,559	1,196	-	-	1,472	-	4,336
Construction	-	-	-	511	184	-	-	131	-	826
Transport *(6)*	**-**	**-**	**-**	**54,115**	**-**	**-**	**-**	**738**	**-**	**54,853**
Air	-	-	-	11,017	-	-	-	-	-	11,017
Rail	-	-	-	632	-	-	-		-	632
Road	-	-	-	41,399	-	-	-	-	-	41,399
National navigation	**-**	**-**	**-**	1,067	**-**	**-**	**-**	**-**	**-**	1,067
Pipelines	-	-	-	-	-	-	-	-	-	-
Other	**2,105**	**496**	**-**	**5,626**	**39,944**	**405**	**-**	**17,471**	**1,412**	**67,459**
Domestic	1,916	496	-	3,162	30,788	230	-	9,485	44	46,121
Public admin	162	-	-	1,065	3,719	95	-	1,887	1,287	8,215
Commercial	-	-	-	481	3,149	7	-	5,739	-	9,377
Agriculture	5	-	-	751	99	72	-	359	-	1,287
Miscellaneous	22	-	-	167	2,189	-	-	-	82	2,459
Non energy use	**-**	**-**	**-**	**11,850**	**1,113**	**-**	**-**	**-**	**-**	**12,963**

(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.

Aggregate energy balance 1998

Gross calorific values

Thousand tonnes of oil equivalent

	Coal	Manufactured fuel*(1)*	Primary oils	Petroleum products	Natural gas*(2)*	Bioenergy & waste*(3)*	Primary electricity	Electricity	Total
Supply									
Indigenous production	25,757	-	145,263	-	90,186	2,077	23,950	-	287,233
Imports	14,782	590	52,352	12,345	910	-	-	1,083	82,061
Exports	-706	-225	-92,516	-26,381	-2,717	-	-	-11	-122,556
Marine bunkers	-	-	-	-3,257	-	-	-	-	-3,257
Stock change *(4)*	+907	-134	-649	-92	-32	-	-	-	-
Primary supply	**40,739**	**231**	**104,450**	**-17,386**	**88,346**	**2,077**	**23,950**	**1,072**	**243,480**
Statistical difference *(5)*	+129	-89	-1,147	+454	+455	-	-	+160	-38
Primary demand	**40,611**	**320**	**105,597**	**-17,840**	**87,891**	**2,077**	**23,950**	**912**	**243,518**
Transfers	-	-129	-2,729	+2,705	-52	-	-515	+515	-206
Transformation	**-36,891**	**3,384**	**-102,442**	**99,557**	**-23,021**	**-1,212**	**-23,435**	**30,532**	**-53,529**
Electricity generation	-29,902	-901	-	-1,482	-23,021	-1,212	-23,435	30,532	-49,421
Major power producers	-28,713	-	-	-784	-20,318	-147	-23,435	28,195	-45,202
Autogenerators	-1,190	-901	-	-698	-2,703	-1,065	-	2,337	-4,219
Petroleum refineries	-	-	-102,442	101,316	-	-	-	-	-1,127
Coke manufacture	-6,112	5,737	-	-	-	-	-	-	-375
Blast furnaces	-418	-1,904	-	-277	-	-	-	-	-2,599
Patent fuel manufacture	-459	452	-	-	-	-	-	-	-7
Other	-	-	-	-	-	-	-	-	-
Energy industry use	**4**	**1,185**	**426**	**6,608**	**6,534**	**-**	**-**	**2,412**	**17,168**
Electricity generation	-	-	-	-	-	-	-	1,497	1,497
Oil and gas extraction	-	-	426	-	5,632	-	-	46	6,104
Petroleum refineries	-	-	-	6,549	323	-	-	442	7,313
Coal extraction	4	-	-	-	28	-	-	115	147
Coke manufacture	-	583	-	-	1	-	-	-	583
Blast furnaces	-	572	-	4	45	-	-	82	703
Patent fuel manufacture	-	30	-	-	-	-	-	-	30
Pumped storage	-	-	-	-	-	-	-	83	83
Other	-	-	-	55	505	-	-	148	708
Losses	-	**156**	-	-	**1,398**	-	-	**2,404**	**3,957**
Final consumption	**3,716**	**2,234**	**-**	**77,814**	**56,886**	**865**	**-**	**27,143**	**168,658**
Industry	**1,607**	**1,709**	-	**6,379**	**15,140**	**461**	-	**9,216**	**34,512**
Unclassified	-	292	-	1,929	15	461	-	-	2,697
Iron and steel	7	1,322	-	89	1,729	-	-	823	3,969
Non-ferrous metals	122	95	-	41	476	-	-	490	1,224
Mineral products	485	-	-	241	1,263	-	-	614	2,603
Chemicals	444	-	-	605	3,988	-	-	1,798	6,837
Mechanical engineering etc.	20	-	-	215	862	-	-	733	1,829
Electrical engineering etc.	2	-	-	92	302	-	-	516	912
Vehicles	32	-	-	134	883	-	-	480	1,530
Food, beverages, etc.	204	-	-	418	2,345	-	-	1,019	3,986
Textiles, leather, etc.	50	-	-	100	625	-	-	315	1,090
Paper, printing etc.	75	-	-	125	1,225	-	-	919	2,343
Other industries	167	-	-	1,839	1,239	-	-	1,377	4,622
Construction	-	-	-	551	189	-	-	132	871
Transport *(6)*	-	-	-	**53,040**	-	-	-	**732**	**53,772**
Air	-	-	-	10,237	-	-	-	-	10,237
Rail	-	-	-	608	-	-	-		608
Road	-	-	-	41,020	-	-	-	-	41,020
National navigation	-	-	-	1,175	-	-	-	-	1,175
Pipelines	-	-	-	-	-	-	-	-	-
Other	**2,109**	**525**	-	**6,687**	**40,715**	**404**	-	**17,196**	**67,637**
Domestic	1,819	525	-	3,543	30,601	230	-	9,408	46,126
Public administration	220	-	-	1,501	4,469	96	-	1,855	8,141
Commercial	-	-	-	605	3,501	6	-	5,585	9,698
Agriculture	6	-	-	851	82	72	-	348	1,359
Miscellaneous	65	-	-	187	2,061	-r	-	-	2,313
Non energy use	-	-	-	**11,707**	**1,030**	-	-	-	**12,737**

(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.

Value balance of traded energy in 2011[(1)]

£million

	Coal	Manufactured fuels	Crude oil	Petroleum products	Natural gas	Electricity	Heat sold	Other fuels	Total
Supply									
Indigenous production	1,175	370	26,525	42,445	7,890	14,885	570	1,415	95,280
Imports	3,050	10	30,115	13,535	9,630	465	-	655	57,460
Exports	-60	-100	-16,830	-15,785	-3,555	-140	-	-	-36,465
Marine bunkers	-	-	-	-1,590	-	-	-	-	-1,590
Stock change	55	-10	320	95	-385	-	-	-	75
Basic value of inland consumption	**4,220**	**275**	**40,135**	**38,700**	**13,580**	**15,215**	**570**	**2,070**	**114,760**
Tax and margins									
Distribution costs and margins	**930**	**25**	**-**	**2,720**	**10,470**	**15,550**	**-**	**110**	**29,800**
Electricity generation	505	-	-	10	-	-	-	-	515
Solid fuel manufacture	260	-	-	-	-	-	-	-	260
of which iron & steel sector	230	-	-	-	-	-	-	-	230
Iron & steel final use	45	10	-	-	-	-	-	-	55
Other industry	30	5	-	365	-	-	-	-	395
Air transport	-	-	-	265	-	-	-	-	265
Rail and national navigation	-	-	-	55	-	-	-	-	55
Road transport	-	-	-	1,320	-	-	-	110	1,430
Domestic	85	10	-	190	-	-	-	-	290
Agriculture	-	-	-	25	-	-	-	-	25
Commercial and other services	5	-	-	85	-	-	-	-	90
Non energy use	-	-	-	410	130	-	-	-	540
VAT and duties	**10**	**5**	**-**	**34,060**	**585**	**695**	**-**	**1,290**	**36,650**
Electricity generation	-	-	-	45	-	-	-	-	45
Iron & steel final use	-	-	-	-	-	-	-	-	-
Other industry	-	-	-	245	-	-	-	-	245
Air transport	-	-	-	10	-	-	-	-	10
Rail and national navigation	-	-	-	190	-	-	-	-	190
Road transport	-	-	-	33,325	-	-	-	1,275	34,600
Domestic	10	5	-	100	585	695	-	15	1,410
Agriculture	-	-	-	20	-	-	-	-	20
Commercial and other services	-	-	-	125	-	-	-	-	125
Climate Change Levy	**5**	**-**	-		**175**	**500**	-	-	**680**
Total tax and margins	**945**	**30**	**-**	**36,780**	**11,230**	**16,745**	**-**	**1,400**	**67,125**
Market value of inland consumption	**5,170**	**300**	**40,135**	**75,480**	**24,810**	**31,960**	**570**	**3,465**	**181,890**
Energy end use									
Total energy sector	**4,530**	**-**	**40,135**	**625**	**7,535**	**1,100**	**75**	**860**	**54,860**
Transformation	4,530	-	40,135	310	6,310	785	-	860	52,930
Electricity generation	3,355	-	-	275	5,870	785	-	860	11,145
of which from stocks	110	-	-	-	-	-	-	-	110
Heat Generation	45	-	-	35	440	-	-	-	520
Petroleum refineries	-	-	40,135	-	-	-	-	-	40,135
Solid fuel manufacture	1,130	-	-	-	-	-	-	-	1,130
of which iron & steel sector	1,010	-	-	-	-	-	-	-	1,010
Other energy sector use	**-**	**-**	**-**	**315**	**1,225**	**315**	**75**	**-**	**1,930**
Oil & gas extraction	-	-	-	315	1,020	45	-	-	1,375
Petroleum refineries	-	-	-	-	35	210	75	-	320
Coal extraction	-	-	-	-	-	65	-	-	65
Other energy sector	-	-	-	-	170	-	-	-	170
Total non energy sector use	**640**	**250**	**-**	**71,675**	**17,150**	**30,855**	**495**	**2,605**	**123,665**
Industry	**385**	**145**	**-**	**2,575**	**2,060**	**6,545**	**315**	**95**	**12,120**
Iron & steel final use	205	130	-	-	130	230	-	30	725
Other industry	180	15	-	2,570	1,930	6,315	315	65	11,395
Transport	**5**	**-**	**-**	**66,475**	**-**	**300**	**-**	**2,150**	**68,935**
Air	-	-	-	7,595	-	-	-	-	7,595
Rail and national navigation	5	-	-	1,065	-	300	-	-	1,370
Road	-	-	-	57,815	-	-	-	2,150	59,970
Other final users	**250**	**105**	**-**	**2,625**	**15,085**	**24,010**	**180**	**360**	**42,610**
Domestic	240	105	-	1,690	12,325	14,555	20	305	29,240
Agriculture	-	-	-	190	40	405	-	35	670
Commercial and other services	5	-	-	745	2,720	9,055	155	15	12,700
Total value of energy end use	**5,170**	**250**	**40,135**	**72,300**	**24,680**	**31,960**	**570**	**3,465**	**178,525**

(1) For further information see paragraphs 1.39 to 1.44.

Value balance of traded energy in 2010[(1)]

£million

	Coal	Manufactured solid fuels	Crude oil	Petroleum products	Natural gas	Electricity	Heat sold	Other fuels	Total
Supply									
Indigenous production	1,065	330	22,610	32,725	7,755	14,720	530	1,260	81,005
Imports	2,080	20	21,165	10,600	7,120	325	-	515	41,825
Exports	-85	-110	-16,025	-11,400	-2,505	-205	-	-	-30,340
Marine bunkers	-	-	-	-1,120	-	-	-	-	-1,120
Stock change	350	-15	-15	295	200	-	-	-	815
Basic value of inland consumption	**3,410**	**225**	**27,735**	**31,095**	**12,570**	**14,840**	**530**	**1,720**	**92,185**
Tax and margins									
Distribution costs and margins	**750**	**25**	**-**	**2,300**	**12,230**	**15,220**	**-**	**100**	**30,625**
Electricity generation	350	-	-	30	-	-	-	-	380
Solid fuel manufacture	195	-	-	-	-	-	-	-	195
of which iron & steel sector	175	-	-	-	-	-	-	-	175
Iron & steel final use	35	5	-	-	-	-	-	-	40
Other industry	25	5	-	405	-	-	-	-	435
Air transport	-	-	-	180	-	-	-	-	180
Rail and national navigation	-	-	-	40	-	-	-	-	40
Road transport	-	-	-	1,035	-	-	-	100	1,135
Domestic	145	15	-	245	-	-	-	-	400
Agriculture	-	-	-	15	-	-	-	-	15
Commercial and other services	-	-	-	50	-	-	-	-	50
Non energy use	-	-	-	300	145	-	-	-	445
VAT and duties	**10**	**5**	**-**	**32,635**	**680**	**670**	**-**	**1,275**	**35,275**
Electricity generation	-	-	-	65	-	-	-	-	65
Iron & steel final use	-	-	-	-	-	-	-	-	-
Other industry	-	-	-	315	-	-	-	-	315
Air transport	-	-	-	10	-	-	-	-	10
Rail and national navigation	-	-	-	185	-	-	-	-	185
Road transport	-	-	-	31,820	-	-	-	1,255	33,080
Domestic	10	5	-	105	680	670	-	15	1,490
Agriculture	-	-	-	20	-	-	-	-	20
Commercial and other services	-	-	-	110	-	-	-	-	110
Climate Change Levy	**5**	**-**	-	-	**180**	**485**	-	-	670
Total tax and margins	**765**	**30**	**-**	**34,935**	**13,090**	**16,375**	**-**	**1,375**	**66,570**
Market value of inland consumption	**4,175**	**255**	**27,735**	**66,030**	**25,660**	**31,220**	**530**	**3,150**	**158,755**
Energy end use									
Total energy sector	**3,450**	**-**	**27,735**	**675r**	**6,855r**	**1,050**	**35**	**705**	**40,510**
Transformation	3,450	-	27,735	460	5,795	730	-	705	38,880
Electricity generation	2,565	-	-	435	5,450	730	-	705	9,885
of which from stocks	85	-	-	-	-	-	-	-	85
Heat Generation	30	-	-	25	345	-	-	-	405
Petroleum refineries	-	-	27,735	-	-	-	-	-	27,735
Solid fuel manufacture	855	-	-	-	-	-	-	-	855
of which iron & steel sector	765	-	-	-	-	-	-	-	765
Other energy sector use	**-**	**-**	**-**	**215**	**1,060r**	**320**	**35**	**-**	**1,630**
Oil & gas extraction	-	-	-	215	895	40	-	-	1,145
Petroleum refineries	-	-	-	-	25	215	35	-	275
Coal extraction	-	-	-	-	-	70	-	-	70
Other energy sector	-	-	-	-	135	-	-	-	135
Total non energy sector use	**720**	**255**	**-**	**63,035**	**18,660**	**30,165**	**495**	**2,445**	**115,780**
Industry	**460**	**130**	**-**	**2,415**	**1,780**	**6,335**	**325**	**70**	**11,515**
Iron & steel final use	150	115	-	5	115	205	-	-	590
Other industry	310	15	-	2,410	1,665	6,130	325	70	10,925
Transport	**-**	**-**	**-**	**58,215**	**-**	**280**	**-**	**1,990**	**60,485**
Air	-	-	-	5,940	-	-	-	-	5,940
Rail and national navigation	-	-	-	870	-	280	-	-	1,145
Road	-	-	-	51,410	-	-	-	1,990	53,400
Other final users	**260**	**125**	**-**	**2,405**	**16,885**	**23,555**	**170**	**385**	**43,780**
Domestic	260	125	-	1,730	14,275	14,085	20	345	30,835
Agriculture	-	-	-	150	45	405	-	40	640
Commercial and other services	5	-	-	530	2,560	9,060	150	-	12,310
Total value of energy end use	**4,175**	**255**	**27,735**	**63,710**	**25,515**	**31,220**	**530**	**3,150**	**156,290**

(1) For further information see paragraphs 1.39 to 1.44.

Value balance of traded energy in 2009[(1)]

£million

	Coal	Manufactured solid fuels	Crude oil	Petroleum products	Natural gas	Electricity	Heat sold	Other fuels	Total
Supply									
Indigenous production	705	200	18,075	24,945	5,790	15,995	555	245	66,515
Imports	2,720	35	17,075	8,115	4,775	260	-	320	33,290
Exports	-75	-30	-13,265	-8,405	-1,420	-160	-	-	-23,355
Marine bunkers	-	-	-	-1,020	-	-	-	-	-1,020
Stock change	-300	10	155	90	-55	-	-	-	-95
Basic value of inland consumption	**3,045**	**215**	**22,040**	**23,730**	**9,090**	**16,095**	**555**	**565**	**75,330**
Tax and margins									
Distribution costs and margins	**620**	**30**	**-**	**3,045**	**12,890**	**14,405**	**-**	**70**	**31,060**
Electricity generation	250	-	-	25	-	-	-	-	275
Solid fuel manufacture	195	-	-	-	-	-	-	-	195
of which iron & steel sector	175	-	-	-	-	-	-	-	175
Iron & steel final use	30	5	-	-10	-	-	-	-	30
Other industry	10	10	-	410	-	-	-	-	425
Air transport	-	-	-	235	-	-	-	-	235
Rail and national navigation	-	-	-	45	-	-	-	-	45
Road transport	-	-	-	1,740	-	-	-	70	1,815
Domestic	135	10	-	225	-	-	-	-	370
Agriculture	-	-	-	15	-	-	-	-	15
Commercial and other services	-	-	-	50	-	-	-	-	50
Non energy use	-	-	-	310	135	-	-	-	445
VAT and duties	**10**	**5**	**-**	**30,550**	**600**	**690**	**-**	**930**	**32,785**
Electricity generation	-	-	-	85	-	-	-	-	85
Iron & steel final use	-	-	-	20	-	-	-	-	20
Other industry	-	-	-	290	-	-	-	-	290
Air transport	-	-	-	10	-	-	-	-	10
Rail and national navigation	-	-	-	175	-	-	-	-	175
Road transport	-	-	-	29,770	-	-	-	925	30,695
Domestic	10	5	-	75	600	690	-	-	1,385
Agriculture	-	-	-	20	-	-	-	-	20
Commercial and other services	-	-	-	105	-	-	-	-	105
Climate Change Levy	**5**	**-**	-	-	**170**	**530**	-	-	705
Total tax and margins	**635**	**35**	**-**	**33,600**	**13,660**	**15,625**	**-**	**1,000**	**64,550**
Market value of inland consumption	**3,685**	**250**	**22,040**	**57,325**	**22,745**	**31,715**	**555**	**1,560**	**139,880**
Energy end use									
Total energy sector	**3,015**	**-**	**22,040**	**580**	**5,475**	**390**	**-**	**90**	**31,595**
Transformation	3,015	-	22,040	430	5,355	-	-	90	30,930
Electricity generation	2,125	-	-	415	5,035	-	-	90	7,665
of which from stocks	45	-	-	-	-	-	-	-	45
Heat Generation	25	-	-	20	320	-	-	-	365
Petroleum refineries	-	-	22,040	-	-	-	-	-	22,040
Solid fuel manufacture	860	-	-	-	-	-	-	-	860
of which iron & steel sector	770	-	-	-	-	-	-	-	770
Other energy sector use	**-**	**-**	**-**	**150**	**125r**	**390**	**-**	**-**	**665**
Oil & gas extraction	-	-	-	150	-	50	-	-	200
Petroleum refineries	-	-	-	-	20r	260	-	-	280
Coal extraction	-	-	-	-	-	80	-	-	80
Other energy sector	-	-	-	-	100r	-	-	-	100
Total non energy sector use	**670**	**250**	**-**	**54,420**	**17,135**	**31,330**	**555**	**1,470**	**105,825**
Industry	**425**	**140**	**-**	**1,970**	**1,795**	**6,775**	**355**	**20**	**11,480**
Iron & steel final use	140	120	-	25	105	85	-	-	480
Other industry	280	20	-	1,945	1,690	6,690	355	20	11,000
Transport	**-**	**-**	**-**	**50,640**	**-**	**335**	**-**	**1,405**	**52,380**
Air	-	-	-	4,425	-	-	-	-	4,425
Rail and national navigation	-	-	-	710	-	335	-	-	1,040
Road	-	-	-	45,505	-	-	-	1,405	46,910
Other final users	**245**	**105**	**-**	**1,810**	**15,335**	**24,220**	**200**	**50**	**41,970**
Domestic	245	105	-	1,245	12,605	14,535	25	50	28,810
Agriculture	-	-	-	120	45	395	-	-	560
Commercial and other services	5	-	-	445	2,685	9,290	175	-	12,600
Total value of energy end use	**3,685**	**250**	**22,040**	**55,000**	**22,610**	**31,715**	**555**	**1,560**	**137,420**

(1) For further information see paragraphs 1.39 to 1.44.

Value balance of traded energy in 2008[(1)]

£million

	Coal	Manufactured solid fuels	Crude oil	Petroleum products	Natural gas	Electricity	Heat sold	Other fuels	Total
Supply									
Indigenous production	615	90	25,955	36,050	8,745	6,165	590	330	78,545
Imports	3,525	165	23,910	11,785	6,425	485	-	275	46,570
Exports	-55	-30	-18,570	-12,090	-1,945	-110	-	-	-32,805
Marine bunkers	-	-	-	-1,225	-	-	-	-	-1,225
Stock change	-165	-10	90	-30	-45	-	-	-	-155
Basic value of inland consumption	**3,920**	**215**	**31,385**	**34,495**	**13,180**	**6,540**	**590**	**605**	**90,930**
Tax and margins									
Distribution costs and margins	**700**	**85**	**-**	**3,390**	**10,715**	**23,260**	**-**	**65**	**38,215**
Electricity generation	360	-	-	30	-	-	-	-	385
Solid fuel manufacture	190	-	-	-	-	-	-	-	190
of which iron & steel sector	170	-	-	-	-	-	-	-	170
Iron & steel final use	35	60	-	-	-	-	-	-	90
Other industry	10	15	-	375	-	-	-	-	400
Air transport	-	-	-	320	-	-	-	-	320
Rail and national navigation	-	-	-	45	-	-	-	-	45
Road transport	-	-	-	1,815	-	-	-	65	1,880
Domestic	100	10	-	355	-	-	-	-	470
Agriculture	-	-	-	20	-	-	-	-	20
Commercial and other services	-	-	-	75	-	-	-	-	80
Non energy use	-	-	-	360	180	-	-	-	540
VAT and duties	**10**	**5**	**-**	**30,940**	**575**	**680**	**-**	**770**	**32,980**
Electricity generation	-	-	-	100	-	-	-	-	100
Iron & steel final use	-	-	-	15	-	-	-	-	15
Other industry	-	-	-	315	-	-	-	-	315
Air transport	-	-	-	15	-	-	-	-	15
Rail and national navigation	-	-	-	170	-	-	-	-	170
Road transport	-	-	-	30,095	-	-	-	770	30,860
Domestic	10	5	-	100	575	680	-	-	1,370
Agriculture	-	-	-	20	-	-	-	-	20
Commercial and other services	-	-	-	115	-	-	-	-	115
Climate Change Levy	**5**	**-**	-		**180**	**540**	-	-	730
Total tax and margins	**715**	**90**	**-**	**34,335**	**11,470**	**24,480**	**-**	**835**	**71,920**
Market value of inland consumption	**4,635**	**300**	**31,385**	**68,830**	**24,650**	**31,020**	**590**	**1,440**	**162,850**
Energy end use									
Total energy sector	**3,950**	**-**	**31,385**	**725**	**6,740**	**330**	**30**	**100**	**43,255**
Transformation	3,950	-	31,385	475	6,605	-	-	100	42,510
Electricity generation	3,080	-	-	455	6,185	-	-	100	9,825
of which from stocks	70	-	-	-	-	-	-	-	70
Heat Generation	35	-	-	20	420	-	-	-	470
Petroleum refineries	-	-	31,385	-	-	-	-	-	31,385
Solid fuel manufacture	835	-	-	-	-	-	-	-	835
of which iron & steel sector	740	-	-	-	-	-	-	-	740
Other energy sector use	**-**	**-**	**-**	**250**	**140**	**330**	**30**	**-**	**745**
Oil & gas extraction	-	-	-	250	-	40	-	-	290
Petroleum refineries	-	-	-	-	30	220	30	-	280
Coal extraction	-	-	-	-	-	70	-	-	70
Other energy sector	-	-	-	-	105	-	-	-	105
Total non energy sector use	**685**	**300**	**-**	**65,385**	**17,730**	**30,690**	**565**	**1,335**	**116,690**
Industry	**485**	**200**	**-**	**2,670**	**2,510**	**7,225**	**395**	**30**	**13,515**
Iron & steel final use	155	175	-	75	165	150	-	-	720
Other industry	330	30	-	2,595	2,340	7,075	395	30	12,795
Transport	**-**	**-**	**-**	**60,250**	**-**	**290**	**-**	**1,260**	**61,800**
Air	-	-	-	7,595	-	-	-	-	7,595
Rail and national navigation	-	-	-	895	-	285	-	-	1,180
Road	-	-	-	51,765	-	-	-	1,260	53,025
Other final users	**200**	**100**	**-**	**2,465**	**15,220**	**23,175**	**170**	**45**	**41,375**
Domestic	200	100	-	1,695	12,070	14,245	20	45	28,380
Agriculture	-	-	-	145	40	370	-	-	555
Commercial and other services	-	-	-	625	3,105	8,555	150	-	12,440
Total value of energy end use	**4,635**	**300**	**31,385**	**66,105**	**24,470**	**31,020**	**590**	**1,440**	**159,945**

(1) For further information see paragraphs 1.39 to 1.44.

Value balance of traded energy in 2007[(1)]

£million

	Coal	Manufactured solid fuels	Crude oil	Petroleum products	Natural gas	Electricity	Heat sold	Other fuels	Total
Supply									
Indigenous production	600	40	19,685	26,500	6,900	12,135	475	220	66,555
Imports	1,960	140	15,780	7,680	2,885	240	-	35	28,720
Exports	-40	-25	-13,820	-8,665	-995	-110	-	-	-23,655
Marine bunkers	-	-	-	-555	-	-	-	-	-555
Stock change	110	-10	180	345	55	-	-	-	680
Basic value of inland consumption	**2,625**	**145**	**21,830**	**25,300**	**8,845**	**12,265**	**475**	**255**	**71,740**
Tax and margins									
Distribution costs and margins	**390**	**125**	**-**	**3,340**	**9,515**	**13,510**	**-**	**25**	**26,905**
Electricity generation	140	-	-	20	-	-	-	-	160
Solid fuel manufacture	110	-	-	-	-	-	-	-	110
of which iron & steel sector	100	-	-	-	-	-	-	-	100
Iron & steel final use	20	100	-	25	-	-	-	-	145
Other industry	15	15	-	445	-	-	-	-	480
Air transport	-	-	-	225	-	-	-	-	225
Rail and national navigation	-	-	-	45	-	-	-	-	45
Road transport	-	-	-	2,085	-	-	-	25	2,110
Domestic	105	10	-	125	-	-	-	-	235
Agriculture	-	-	-	15	-	-	-	-	15
Commercial and other services	-	-	-	55	-	-	-	-	60
Non energy use	-	-	-	295	155	-	-	-	450
VAT and duties	**10**	**5**	**-**	**31,860**	**475**	**595**	**-**	**320**	**33,260**
Electricity generation	-	-	-	55	-	-	-	-	55
Iron & steel final use	-	-	-	-	-	-	-	-	-
Other industry	-	-	-	285	-	-	-	-	285
Air transport	-	-	-	15	-	-	-	-	15
Rail and national navigation	-	-	-	190	-	-	-	-	190
Road transport	-	-	-	31,125	-	-	-	315	31,440
Domestic	10	5	-	70	475	595	-	-	1,155
Agriculture	-	-	-	15	-	-	-	-	15
Commercial and other services	-	-	-	100	-	-	-	-	100
Climate Change Levy	**5**	**-**	-	-	**165**	**515**	-	-	**685**
Total tax and margins	**405**	**130**	**-**	**35,205**	**10,150**	**14,620**	**-**	**340**	**60,850**
Market value of inland consumption	**3,030**	**275**	**21,830**	**60,505**	**18,995**	**26,890**	**475**	**595**	**132,590**
Energy end use									
Total energy sector	**2,630**	**-**	**21,830**	**435**	**4,820**	**325**	**25**	**50**	**30,110**
Transformation	2,630	-	21,830	305	4,685	-	-	50	29,500
Electricity generation	2,130	-	-	290	4,390	-	-	50	6,865
of which from stocks	60	-	-	-	-	-	-	-	60
Heat Generation	20	-	-	15	290	-	-	-	330
Petroleum refineries	-	-	21,830	-	-	-	-	-	21,830
Solid fuel manufacture	480	-	-	-	-	-	-	-	480
of which iron & steel sector	435	-	-	-	-	-	-	-	435
Other energy sector use	**-**	**-**	**-**	**130**	**135**	**325**	**25**	**-**	**610**
Oil & gas extraction	-	-	-	130	-	35	-	-	165
Petroleum refineries	-	-	-	-	65	225	25	-	315
Coal extraction	-	-	-	-	-	60	-	-	60
Other energy sector	-	-	-	-	70	-	-	-	70
Total non energy sector use	**400**	**275**	**-**	**57,930**	**14,020**	**26,565**	**450**	**550**	**100,190**
Industry	**235**	**205**	**-**	**2,155**	**2,035**	**6,970**	**305**	**25**	**11,925**
Iron & steel final use	95	180	-	70	110	120	-	-	575
Other industry	140	25	-	2,085	1,920	6,850	305	25	11,350
Transport	**-**	**-**	**-**	**54,055**	**-**	**495**	**-**	**480**	**55,030**
Air	-	-	-	4,475	-	-	-	-	4,475
Rail and national navigation	-	-	-	770	-	490	-	-	1,260
Road	-	-	-	48,810	-	-	-	480	49,295
Other final users	**160**	**70**	**-**	**1,720**	**11,990**	**19,100**	**145**	**45**	**33,235**
Domestic	160	70	-	1,150	9,950	12,540	20	45	23,935
Agriculture	-	-	-	105	50	370	-	-	525
Commercial and other services	-	-	-	465	1,990	6,195	130	-	8,780
Total value of energy end use	**3,030**	**275**	**21,830**	**58,365**	**18,840**	**26,890**	**475**	**595**	**130,300**

(1) For further information see paragraphs 1.39 to 1.44.

Value balance of traded energy in 2006[(1)]

£million

	Coal	Manufactured solid fuels	Crude oil	Petroleum products	Natural gas	Electricity	Heat sold	Other fuels	Total
Supply									
Indigenous production	595	85	19,170	25,625	9,475	7,760	440	155	63,305
Imports	2,140	90	15,710	8,315	2,510	420	-	25	29,220
Exports	-30	-20	-13,545	-8,015	-1,315	-105	-	-	-23,035
Marine bunkers	-	-	-	-600	-	-	-	-	-600
Stock change	-45	-	-95	-275	-80	-	-	-	-490
Basic value of inland consumption	**2,665**	**160**	**21,240**	**25,050**	**10,590**	**8,075**	**440**	**180**	**68,400**
Tax and margins									
Distribution costs and margins	**455**	**110**	**-**	**3,855**	**8,275**	**15,990**	**-**	**10**	**28,700**
Electricity generation	210	-	-	25	-	-	-	-	235
Solid fuel manufacture	125	-	-	-	-	-	-	-	125
of which iron & steel sector	115	-	-	-	-	-	-	-	115
Iron & steel final use	25	90	-	30	-	-	-	-	140
Other industry	15	15	-	415	-	-	-	-	445
Air transport	-	-	-	290	-	-	-	-	290
Rail and national navigation	-	-	-	75	-	-	-	-	75
Road transport	-	-	-	2,330	-	-	-	10	2,340
Domestic	80	10	-	245	-	-	-	-	335
Agriculture	-	-	-	15	-	-	-	-	15
Commercial and other services	-	-	-	75	-	-	-	-	80
Non energy use	-	-	-	350	145	-	-	-	500
VAT and duties	**5**	**5**	**-**	**30,435**	**480**	**540**	**-**	**165**	**31,630**
Electricity generation	-	-	-	65	-	-	-	-	65
Iron & steel final use	-	-	-	-	-	-	-	-	-
Other industry	-	-	-	225	-	-	-	-	225
Air transport	-	-	-	20	-	-	-	-	20
Rail and national navigation	-	-	-	165	-	-	-	-	165
Road transport	-	-	-	29,795	-	-	-	160	29,955
Domestic	5	5	-	75	480	540	-	-	1,105
Agriculture	-	-	-	10	-	-	-	-	10
Commercial and other services	-	-	-	85	-	-	-	-	85
Climate Change Levy	**5**	**-**	-	-	**185**	**525**	-	-	**720**
Total tax and margins	**465**	**115**	**-**	**34,295**	**8,940**	**17,055**	**-**	**175**	**61,050**
Market value of inland consumption	**3,130**	**275**	**21,240**	**59,345**	**19,530**	**25,130**	**440**	**355**	**129,450**
Energy end use									
Total energy sector	**2,725**	**-**	**21,240**	**470**	**4,425**	**295**	**20**	**40**	**29,215**
Transformation	2,725	-	21,240	340	4,275	-	-	40	28,615
Electricity generation	2,150	-	-	325	3,990	-	-	40	6,505
of which from stocks	35	-	-	-	-	-	-	-	35
Heat Generation	15	-	-	15	285	-	-	-	315
Petroleum refineries	-	-	21,240	-	-	-	-	-	21,240
Solid fuel manufacture	555	-	-	-	-	-	-	-	555
of which iron & steel sector	505	-	-	-	-	-	-	-	505
Other energy sector use	**-**	**-**	**-**	**130**	**155**	**295**	**20**	**-**	**600**
Oil & gas extraction	-	-	-	130	-	30	-	-	160
Petroleum refineries	-	-	-	-	65	205	20	-	290
Coal extraction	-	-	-	-	-	60	-	-	60
Other energy sector	-	-	-	-	85	-	-	-	85
Total non energy sector use	**410**	**275**	**-**	**56,355**	**14,955**	**24,835**	**420**	**320**	**97,565**
Industry	**270**	**200**	**-**	**2,060**	**2,695**	**6,775**	**275**	**30**	**12,300**
Iron & steel final use	100	175	-	65	160	185	-	-	685
Other industry	170	25	-	1,995	2,535	6,590	275	30	11,615
Transport	**-**	**-**	**-**	**52,460**	**-**	**460**	**-**	**250**	**53,170**
Air	-	-	-	4,490	-	-	-	-	4,490
Rail and national navigation	-	-	-	825	-	455	-	-	1,280
Road	-	-	-	47,150	-	-	-	250	47,400
Other final users	**135**	**75**	**-**	**1,835**	**12,265**	**17,600**	**145**	**40**	**32,095**
Domestic	135	75	-	1,260	10,100	11,340	20	40	22,965
Agriculture	-	-	-	105	50	340	-	-	495
Commercial and other services	5	-	-	470	2,115	5,920	125	-	8,640
Total value of energy end use	**3,130**	**275**	**21,240**	**56,825**	**19,385**	**25,130**	**440**	**355**	**126,785**

(1) For further information see paragraphs 1.39 to 1.44.

Value balance of traded energy in 2005[(1)]

£million

	Coal	Manufactured solid fuels	Crude oil	Petroleum products	Natural gas	Electricity	Heat sold	Other fuels	Total
Supply									
Indigenous production	440	75	17,730	22,315	7,540	5,165	340	90	53,695
Imports	1,880	110	13,045	5,940	1,730	440	-	25	23,175
Exports	-40	-15	-11,715	-6,835	-735	-100	-	-	-19,445
Marine bunkers	-	-	-	-420	-	-	-	-	-420
Stock change	-80	-5	-80	435	15	-	-	-	280
Basic value of inland consumption	**2,205**	**160**	**18,975**	**21,430**	**8,550**	**5,505**	**340**	**115**	**57,285**
Tax and margins									
Distribution costs and margins	**445**	**100**	**-**	**3,680**	**6,840**	**13,870**	**-**	**5**	**24,940**
Electricity generation	210	-	-	25	-	-	-	-	235
Solid fuel manufacture	105	-	-	-	-	-	-	-	105
of which iron & steel sector	90	-	-	-	-	-	-	-	90
Iron & steel final use	20	75	-	20	-	-	-	-	115
Other industry	20	15	-	360	-	-	-	-	390
Air transport	-	-	-	260	-	-	-	-	260
Rail and national navigation	-	-	-	45	-	-	-	-	45
Road transport	-	-	-	2,275	-	-	-	5	2,280
Domestic	95	10	-	270	-	-	-	-	375
Agriculture	-	-	-	20	-	-	-	-	20
Commercial and other services	5	-	-	75	-	-	-	-	75
Non energy use	-	-	-	335	115	-	-	-	445
VAT and duties	**5**	**5**	**-**	**30,010**	**390**	**460**	**-**	**75**	**30,945**
Electricity generation	-	-	-	55	-	-	-	-	55
Iron & steel final use	-	-	-	-	-	-	-	-	-
Other industry	-	-	-	205	-	-	-	-	205
Air transport	-	-	-	20	-	-	-	-	20
Rail and national navigation	-	-	-	115	-	-	-	-	115
Road transport	-	-	-	29,465	-	-	-	70	29,535
Domestic	5	5	-	60	390	460	-	-	920
Agriculture	-	-	-	15	-	-	-	-	15
Commercial and other services	-	-	-	80	-	-	-	-	80
Climate Change Levy	**5**	**-**	-	-	**195**	**535**	-	-	**735**
Total tax and margins	**455**	**100**	**-**	**33,695**	**7,425**	**14,860**	**-**	**80**	**56,615**
Market value of inland consumption	**2,660**	**260**	**18,975**	**55,125**	**15,975**	**20,365**	**340**	**195**	**113,900**
Energy end use									
Total energy sector	**2,300**	**-**	**18,975**	**430**	**3,720**	**230**	**25**	**35**	**25,720**
Transformation	2,300	-	18,975	310	3,590	-	5	35	25,220
Electricity generation	1,830	-	-	295	3,360	-	5	35	5,530
of which from stocks	50	-	-	-	-	-	-	-	50
Heat Generation	15	-	-	15	230	-	-	-	260
Petroleum refineries	-	-	18,975	-	-	-	-	-	18,975
Solid fuel manufacture	455	-	-	-	-	-	-	-	455
of which iron & steel sector	405	-	-	-	-	-	-	-	405
Other energy sector use	**-**	**-**	**-**	**120**	**130**	**230**	**20**	**-**	**500**
Oil & gas extraction	-	-	-	120	-	20	-	-	145
Petroleum refineries	-	-	-	-	50	165	20	-	235
Coal extraction	-	-	-	-	-	45	-	-	45
Other energy sector	-	-	-	-	75	-	-	-	75
Total non energy sector use	**360**	**260**	**-**	**52,345**	**12,145**	**20,135**	**315**	**160**	**85,715**
Industry	**210**	**190**	**-**	**1,760**	**2,170**	**5,060**	**210**	**20**	**9,620**
Iron & steel final use	80	165	-	55	130	115	-	-	545
Other industry	130	25	-	1,710	2,045	4,945	210	20	9,075
Transport	**-**	**-**	**-**	**48,970**	**-**	**345**	**-**	**105**	**49,420**
Air	-	-	-	3,790	-	-	-	-	3,790
Rail and national navigation	-	-	-	560	-	345	-	-	900
Road	-	-	-	44,620	-	-	-	105	44,725
Other final users	**150**	**70**	**-**	**1,610**	**9,970**	**14,725**	**110**	**35**	**26,675**
Domestic	145	70	-	1,050	8,215	9,665	15	35	19,195
Agriculture	-	-	-	115	40	275	-	-	430
Commercial and other services	5	-	-	445	1,720	4,785	95	-	7,050
Total value of energy end use	**2,660**	**260**	**18,975**	**52,775**	**15,860**	**20,365**	**340**	**195**	**111,435**

(1) For further information see paragraphs 1.39 to 1.44.

Value balance of traded energy in 2004[(1)]

£million

	Coal	Manufactured solid fuels	Crude oil	Petroleum products	Natural gas	Electricity	Heat sold	Other fuels	Total
Supply									
Indigenous production	585	90	15,280	19,715	6,915	6,570	240	65	49,465
Imports	1,330	75	8,625	5,195	670	345	-	-	16,240
Exports	-35	-15	-9,905	-6,565	-645	-150	-	-	-17,315
Marine bunkers	-	-	-	-340	-	-	-	-	-340
Stock change	-5	-5	-20	-65	-5	-	-	-	-100
Basic value of inland consumption	**1,875**	**150**	**13,980**	**17,940**	**6,935**	**6,765**	**240**	**65**	**47,955**
Tax and margins									
Distribution costs and margins	**385**	**50**	**-**	**2,045**	**5,020**	**8,935**	**-**	**-**	**16,435**
Electricity generation	155	-	-	5	-	-	-	-	160
Solid fuel manufacture	70	-	-	-	-	-	-	-	70
of which iron & steel sector	65	-		-	-	-	-	-	65
Iron & steel final use	10	35		15	-	-	-	-	60
Other industry	10	10	-	255	-	-	-	-	270
Air transport	-	-	-	80	-	-	-	-	80
Rail and national navigation	-	-	-	20	-	-	-	-	20
Road transport	-	-	-	1,380	-	-	-	-	1,380
Domestic	140	5	-	100	-	-	-	-	245
Agriculture	-	-	-	5	-	-	-	-	5
Commercial and other services	-	-	-	30	-	-	-	-	30
Non energy use	-	-	-	160	95	-	-	-	255
VAT and duties	**10**	**5**	**-**	**31,030**	**330**	**425**	**-**	**-**	**31,800**
Electricity generation	-	-	-	15	-	-	-	-	15
Iron & steel final use	-	-	-	-	-	-	-	-	-
Other industry	-	-	-	180	-	-	-	-	180
Air transport	-	-	-	20	-	-	-	-	20
Rail and national navigation	-	-	-	90	-	-	-	-	90
Road transport	-	-	-	30,620	-	-	-	-	30,620
Domestic	10	5	-	45	330	425	-	-	815
Agriculture	-	-	-	5	-	-	-	-	5
Commercial and other services	-	-	-	50	-	-	-	-	50
Climate Change Levy	**5**	**-**			**195**	**555**			**755**
Total tax and margins	**400**	**55**	**-**	**33,075**	**5,540**	**9,915**	**-**	**-**	**48,985**
Market value of inland consumption	**2,275**	**205**	**13,980**	**51,020**	**12,475**	**16,675**	**155**	**65**	**96,855**
Energy end use									
Total energy sector	**1,945**	**-**	**13,980**	**125**	**2,675**	**170**	**-**	**25**	**18,925**
Transformation	1,945	**-**	13,980	125	2,605	**-**	**-**	**25**	18,685
Electricity generation	1,615	-	-	115	2,590	-	-	25	4,345
of which from stocks	40	-	-	-	-	-	-	-	40
Heat Generation	15	-	-	10	15	-	-	-	40
Petroleum refineries	-	-	13,980	-	-	-	-	-	13,980
Solid fuel manufacture	320	-	-	-	-	-	-	-	320
of which iron & steel sector	285	-	-	-	-	-	-	-	285
Other energy sector use	**-**	**-**	**-**	**-**	**70**	**170**	**-**	**-**	**240**
Oil & gas extraction	-	-	-	-	-	20	-	-	20
Petroleum refineries	-	-	-	-	15	110	-	-	125
Coal extraction	-	-	-	-	-	40	-	-	40
Other energy sector	-	-	-	-	55	-	-	-	55
Total non energy sector use	**325**	**205**	**-**	**48,850**	**9,705**	**16,505**	**155**	**40**	**75,785**
Industry	**120**	**120**	**-**	**1,485**	**1,480**	**3,255**	**75**	**15**	**6,550**
Iron & steel final use	50	100	-	50	95	110	-	-	400
Other industry	70	20	-	1,435	1,385	3,150	75	15	6,150
Transport	**-**	**-**	**-**	**46,215**	**-**	**260**	**-**	**-**	**46,475**
Air	-	-	-	2,785	-	-	-	-	2,785
Rail and national navigation	-	-	-	455	-	260	-	-	715
Road	-	-	-	42,975	-	-	-	-	42,975
Other final users	**210**	**80**	**-**	**1,150**	**8,220**	**12,990**	**80**	**30**	**22,760**
Domestic	205	80	-	805	6,900	8,895	10	30	16,930
Agriculture	-	-	-	65	30	230	-	-	325
Commercial and other services	-	-	-	280	1,290	3,865	70	-	5,505
Total value of energy end use	**2,275**	**205**	**13,980**	**48,970**	**12,380**	**16,675**	**155**	**65**	**94,710**

(1) For further information see paragraphs 1.39 to 1.44.

Value balance of traded energy in 2003[(1)]

£million

	Coal	Manufactured solid fuels	Crude oil	Petroleum products	Natural gas	Electricity	Heat sold	Other fuels	Total
Supply									
Indigenous production	710	120	14,310	15,280	7,160	7,240	345	55	45,400
Imports	925	70	6,495	3,615	135	170	-	-	11,405
Exports	-35	-15	-9,815	-4,950	-945	-180	-	-	-15,940
Marine bunkers	-	-	-	-255	-	-	-	-	-255
Stock change	85	-5	65	-45	-	-	-	-	95
Basic value of inland consumption	**1,685**	**170**	**11,055**	**13,635**	**6,350**	**7,410**	**345**	**55**	**40,705**
Tax and margins									
Distribution costs and margins	**295**	**20**	**-**	**2,590**	**4,260**	**6,160**	**-**	**-**	**13,330**
Electricity generation	80	-	-	10	-	-	-	-	90
Solid fuel manufacture	55	-	-	-	-	-	-	-	55
of which iron & steel sector	45	-	-	-	-	-	-	-	45
Iron & steel final use	10	5	-	5	-	-	-	-	20
Other industry	10	5	-	270	-	-	-	-	285
Air transport	-	-	-	110	-	-	-	-	110
Rail and national navigation	-	-	-	20	-	-	-	-	20
Road transport	-	-	-	1,660	-	-	-	-	1,660
Domestic	145	5	-	90	-	-	-	-	245
Agriculture	-	-	-	10	-	-	-	-	10
Commercial and other services	-	-	-	20	-	-	-	-	25
Non energy use	-	-	-	390	80	-	-	-	470
VAT and duties	**10**	**5**	**-**	**25,940**	**300**	**365**	**-**	**-**	**26,620**
Electricity generation	-	-	-	10	-	-	-	-	10
Iron & steel final use	-	-	-	-	-	-	-	-	-
Other industry	-	-	-	185	-	-	-	-	185
Air transport	-	-	-	20	-	-	-	-	20
Rail and national navigation	-	-	-	90	-	-	-	-	90
Road transport	-	-	-	25,545	-	-	-	-	25,545
Domestic	10	5	-	45	300	365	-	-	725
Agriculture	-	-	-	10	-	-	-	-	10
Commercial and other services	-	-	-	35	-	-	-	-	35
Climate Change Levy	**5**	**-**	**-**	**-**	**195**	**620**	**-**	**-**	**820**
Total tax and margins	**310**	**25**	**-**	**28,530**	**4,755**	**7,145**	**-**	**-**	**40,765**
Market value of inland consumption	**1,995**	**190**	**11,055**	**42,165**	**11,105**	**14,560**	**335**	**55**	**81,465**
Energy end use									
Total energy sector	**1,685**	**-**	**11,055**	**125**	**2,300**	**145**	**-**	**20**	**15,325**
Transformation	**1,685**	**-**	**11,055**	**125**	**2,225**	**-**	**-**	**20**	**15,105**
Electricity generation	1,445	-	-	105	2,210	-	-	20	3,775
of which from stocks	35	-	-	-	-	-	-	-	35
Heat Generation	15	-	-	25	15	-	-	-	55
Petroleum refineries	-	-	11,055	-	-	-	-	-	11,055
Solid fuel manufacture	220	-	-	-	-	-	-	-	220
of which iron & steel sector	195	-	-	-	-	-	-	-	195
Other energy sector use	**-**	**-**	**-**	**-**	**75**	**145**	**-**	**-**	**220**
Oil & gas extraction	-	-	-	-	-	15	-	-	15
Petroleum refineries	-	-	-	-	20	95	-	-	115
Coal extraction	-	-	-	-	-	30	-	-	30
Other energy sector	-	-	-	-	60	-	-	-	60
Total non energy sector use	**310**	**190**	**-**	**40,135**	**8,725**	**14,415**	**335**	**40**	**64,150**
Industry	**95**	**90**	**-**	**1,240**	**1,345**	**2,925**	**210**	**10**	**5,920**
Iron & steel final use	30	70	-	35	85	100	-	-	320
Other industry	65	20	-	1,205	1,265	2,830	210	10	5,600
Transport	**-**	**-**	**-**	**37,915**	**-**	**215**	**-**	**-**	**38,135**
Air	-	-	-	2,445	-	-	-	-	2,445
Rail and national navigation	-	-	-	420	-	215	-	-	635
Road	-	-	-	35,055	-	-	-	-	35,055
Other final users	**215**	**105**	**-**	**975**	**7,380**	**11,270**	**125**	**30**	**20,100**
Domestic	215	105	-	730	6,260	7,660	-	30	15,000
Agriculture	-	-	-	70	30	195	-	-	295
Commercial and other services	5	-	-	175	1,090	3,420	125	-	4,805
Total value of energy end use	**1,995**	**190**	**11,055**	**40,260**	**11,025**	**14,560**	**335**	**55**	**79,480**

(1) For further information see paragraphs 1.39 to 1.44.

Value balance of traded energy in 2002[(1)]

£million

	Coal	Manufactured solid fuels	Crude oil	Petroleum products	Natural gas	Electricity	Heat sold	Other fuels	Total
Supply									
Indigenous production	900	180	14,580	12,800	6,390	7,535	405	50	42,840
Imports	850	20	6,425	3,165	260	190	-	-	10,905
Exports	-30	-25	-10,510	-4,220	-850	-	-	-	-15,640
Marine bunkers	-	-	-	-245	-	-	-	-	-245
Stock change	-10	-	5	190	-5	-	-	-	180
Basic value of inland consumption	**1,710**	**175**	**10,495**	**11,680**	**5,795**	**7,725**	**405**	**50**	**38,040**
Tax and margins									
Distribution costs and margins	**325**	**25**	-	**1,930**	**4,275**	**5,995**			**12,550**
Electricity generation	50	-	-	5	-	-	-	-	55
Solid fuel manufacture	5	-	-	-	-	-	-	-	5
of which iron & steel sector	5	-	-	-	-	-	-	-	5
Iron & steel final use	-	5	-	5	-	-	-	-	10
Other industry	10	10	-	235	-	-	-	-	260
Air transport	-	-	-	50	-	-	-	-	50
Rail and national navigation	-	-	-	5	-	-	-	-	5
Road transport	-	-	-	1,190	-	-	-	-	1,190
Domestic	250	10	-	85	-	-	-	-	345
Agriculture	-	-	-	15	-	-	-	-	15
Commercial and other services	-	-	-	30	-	-	-	-	35
Non energy use	-	-	-	305	85	-	-	-	390
VAT and duties	**15**	**5**	-	**26,115**	**290**	**360**	-	-	**26,785**
Electricity generation	-	-	-	15	-	-	-	-	15
Iron & steel final use	-	-	-	-	-	-	-	-	-
Other industry	-	-	-	185	-	-	-	-	185
Air transport	-	-	-	20	-	-	-	-	20
Rail and national navigation	-	-	-	45	-	-	-	-	45
Road transport	-	-	-	25,735	-	-	-	-	25,735
Domestic	15	5	-	40	290	360	-	-	710
Agriculture	-	-	-	20	-	-	-	-	20
Commercial and other services	-	-	-	50	-	-	-	-	50
Climate Change Levy	**5**	**-**	**-**	**-**	**205**	**625**	**-**	**-**	**835**
Total tax and margins	**345**	**30**	-	**28,045**	**4,770**	**6,980**	-	-	**40,170**
Market value of inland consumption	**2,055**	**205**	**10,495**	**39,725**	**10,570**	**14,705**	**405**	**50**	**78,210**
Energy end use									
Total energy sector	**1,640**	-	**10,495**	**130**	**2,090**	**150**	-	**15**	**14,520**
Transformation	**1,640**	**-**	**10,495**	**130**	**2,020**	**-**	**-**	**15**	**14,300**
Electricity generation	1,365	-	-	100	2,005	-	-	15	3,485
of which from stocks	35	-	-	-	-	-	-	-	35
Heat Generation	30	-	-	35	15	-	-	-	75
Petroleum refineries	-	-	10,495	-	-	-	-	-	10,495
Solid fuel manufacture	245	-	-	-	-	-	-	-	245
of which iron & steel sector	210	-	-	-	-	-	-	-	210
Other energy sector use	-	-	-	-	**70**	**150**	-	-	**220**
Oil & gas extraction	-	-	-	-	-	15	-	-	15
Petroleum refineries	-	-	-	-	20	100	-	-	120
Coal extraction	-	-	-	-	-	35	-	-	35
Other energy sector	-	-	-	-	50	-	-	-	50
Total non energy sector use	**410**	**205**	-	**38,065**	**8,395**	**14,550**	**400**	**40**	**62,075**
Industry	**70**	**85**	-	**1,065**	**1,280**	**2,995**	**255**	**10**	**5,760**
Iron & steel final use	30	55	-	35	65	85	-	-	270
Other industry	40	30	-	1,030	1,215	2,905	255	10	5,495
Transport	-	-	-	**36,005**	-	**220**	-	-	**36,225**
Air	-	-	-	1,795	-	-	-	-	1,795
Rail and national navigation	-	-	-	190	-	220	-	-	410
Road	-	-	-	34,020	-	-	-	-	34,020
Other final users	**345**	**120**	-	**995**	**7,110**	**11,340**	**145**	**30**	**20,090**
Domestic	345	120	-	645	6,090	7,510	5	30	14,740
Agriculture	-	-	-	105	30	215	-	-	350
Commercial and other services	-	-	-	245	995	3,615	140	-	5,000
Total value of energy end use	**2,055**	**205**	**10,495**	**38,200**	**10,485**	**14,705**	**405**	**50**	**76,600**

(1) For further information see paragraphs 1.39 to 1.44.

Value balance of traded energy in 2001[1]

£million

	Coal	Manufactured solid fuels	Crude oil	Petroleum products	Natural gas	Electricity	Heat sold	Other fuels	Total
Supply									
Indigenous production	965	190	14,915	13,200	6,985	7,805	405	55	44,520
Imports	1,180	10	6,235	3,555	185	180	-	-	11,345
Exports	-30	-25	-10,845	-3,770	-745	-	-	-	-15,415
Marine bunkers	-	-	-	-325	-	-	-	-	-325
Stock change	-110	-	-130	-115	-	-	-	-	-355
Basic value of inland consumption	**2,005**	**180**	**10,175**	**12,545**	**6,425**	**7,980**	**405**	**55**	**39,770**
Tax and margins									
Distribution costs and margins	**410**	**30**	**-**	**1,825**	**3,755**	**6,450**	**-**	**-**	**12,475**
Electricity generation	85	-	-	5	-	-	-	-	90
Solid fuel manufacture	10	-	-	-	-	-	-	-	10
of which iron & steel sector	5	-	-	-	-	-	-	-	5
Iron & steel final use	-	5	-	5	-	-	-	-	10
Other industry	10	15	-	250	-	-	-	-	275
Air transport	-	-	-	125	-	-	-	-	125
Rail and national navigation	-	-	-	15	-	-	-	-	15
Road transport	-	-	-	935	-	-	-	-	935
Domestic	305	10	-	125	-	-	-	-	440
Agriculture	-	-	-	20	-	-	-	-	20
Commercial and other services	-	-	-	65	-	-	-	-	65
Non energy use	-	-	-	280	90	-	-	-	375
VAT and duties	**20**	**5**	**-**	**26,365**	**275**	**360**	**-**	**-**	**27,025**
Electricity generation	-	-	-	20	-	-	-	-	20
Iron & steel final use	-	-	-	10	-	-	-	-	10
Other industry	-	-	-	150	-	-	-	-	150
Air transport	-	-	-	20	-	-	-	-	20
Rail and national navigation	-	-	-	45	-	-	-	-	45
Road transport	-	-	-	26,010	-	-	-	-	26,010
Domestic	20	5	-	40	275	360	-	-	700
Agriculture	-	-	-	15	-	-	-	-	15
Commercial and other services	-	-	-	45	-	-	-	-	50
Climate Change Levy	**-**	**-**	**-**	**-**	**120**	**400**	**-**	**-**	**520**
Total tax and margins	**430**	**35**	**-**	**28,190**	**4,150**	**7,210**	**-**	**-**	**40,015**
Market value of inland consumption	**2,435**	**215**	**10,175**	**40,740**	**10,575**	**15,195**	**405**	**55**	**79,790**
Energy end use									
Total energy sector	**1,910**	**-**	**10,175**	**205**	**2,170**	**175**	**-**	**15**	**14,645**
Transformation	1,910	-	10,175	205	2,090	-	-	15	14,390
Electricity generation	1,595	-	-	125	2,070	-	-	15	3,805
of which from stocks	40	-	-	-	-	-	-	-	40
Heat Generation	25	-	-	80	15	-	-	-	120
Petroleum refineries	-	-	10,175	-	-	-	-	-	10,175
Solid fuel manufacture	290	-	-	-	-	-	-	-	290
of which iron & steel sector	245	-	-	-	-	-	-	-	245
Other energy sector use	**-**	**-**	**-**	**-**	**80**	**175**	**-**	**-**	**255**
Oil & gas extraction	-	-	-	-	-	25	-	-	25
Petroleum refineries	-	-	-	-	30	110	-	-	140
Coal extraction	-	-	-	-	-	40	-	-	40
Other energy sector	-	-	-	-	55	-	-	-	55
Total non energy sector use	**525**	**215**	**-**	**39,145**	**8,310**	**15,020**	**405**	**40**	**63,660**
Industry	**95**	**105**	**-**	**1,235**	**1,470**	**3,145**	**175**	**15**	**6,235**
Iron & steel final use	30	65	-	50	165	195	-	-	505
Other industry	65	40	-	1,180	1,300	2,950	175	15	5,730
Transport	**-**	**-**	**-**	**36,700**	**-**	**240**	**-**	**-**	**36,940**
Air	-	-	-	2,140	-	-	-	-	2,140
Rail and national navigation	-	-	-	240	-	240	-	-	485
Road	-	-	-	34,320	-	-	-	-	34,320
Other final users	**430**	**105**	**-**	**1,210**	**6,845**	**11,630**	**230**	**30**	**20,485**
Domestic	430	105	-	715	5,735	7,540	5	30	14,560
Agriculture	-	-	-	125	25	225	-	-	380
Commercial and other services	5	-	-	370	1,085	3,865	225	-	5,545
Total value of energy end use	**2,435**	**215**	**10,175**	**39,350**	**10,485**	**15,195**	**405**	**55**	**78,305**

(1) For further information see paragraphs 1.39 to 1.44.

Value balance of traded energy in 2000[(1)]

£million

	Coal	Manufactured solid fuels	Crude oil	Petroleum products	Natural gas	Electricity	Heat Sold	Other fuels	Total
Supply									
Indigenous production	970	205	17,175	15,565	5,890	7,840	440	60	48,145
Imports	665	25	6,875	3,250	135	375	-	-	11,320
Exports	-30	-30	-12,215	-4,435	-575	-	-	-	-17,290
Marine bunkers	-	-	-	-285	-	-	-	-	-285
Stock change	105	5	165	-35	-5	-	-	-	235
Basic value of inland consumption	**1,710**	**205**	**12,000**	**14,065**	**5,440**	**8,215**	**440**	**60**	**42,125**
Tax and margins									
Distribution costs and margins	295	35	-	1,910	3,840	7,455	-	-	13,540
Electricity generation	20	-	-	10	-	-	-	-	30
Solid fuel manufacture	40	-	-	-	-	-	-	-	40
of which iron & steel sector	35	-	-	-	-	-	-	-	35
Iron & steel final use	-	5	-	10	-	-	-	-	20
Other industry	5	15	-	240	-	-	-	-	260
Air transport	-	-	-	215	-	-	-	-	215
Rail and national navigation	-	-	-	25	-	-	-	-	25
Road transport	-	-	-	875	-	-	-	-	875
Domestic	225	15	-	130	-	-	-	-	365
Agriculture	-	-	-	25	-	-	-	-	25
Commercial and other services	-	-	-	60	-	-	-	-	60
Non energy use	-	-	-	330	85	-	-	-	415
VAT and duties	**15**	**5**	**-**	**26,675**	**260**	**355**	**-**	**-**	**27,315**
Electricity generation	-	-	-	25	-	-	-	-	25
Iron & steel final use	-	-	-	5	-	-	-	-	5
Other industry	-	-	-	115	-	-	-	-	115
Air transport	-	-	-	20	-	-	-	-	20
Rail and national navigation	-	-	-	50	-	-	-	-	50
Road transport	-	-	-	26,345	-	-	-	-	26,345
Domestic	15	5	-	40	260	355	-	-	680
Agriculture	-	-	-	20	-	-	-	-	20
Commercial and other services	-	-	-	55	-	-	-	-	55
Total tax and margins	310	40	-	28,590	4,105	7,810	-	-	40,855
Market value of inland consumption	**2,020**	**245**	**12,000**	**42,650**	**9,545**	**16,025**	**440**	**60**	**82,980**
Energy end use									
Total energy sector	**1,640**	**-**	**12,000**	**235**	**2,015**	**165**	**-**	**15**	**16,070**
Transformation	1,640	-	12,000	230	1,945	-	-	15	15,830
Electricity generation	1,315	-	-	140	1,930	-	-	10	3,400
of which from stocks	30	-	-	-	-	-	-	-	30
Heat Generation	20	-	-	90	15	-	-	5	125
Petroleum refineries	-	-	12,000	-	-	-	-	-	12,000
Solid fuel manufacture	305	-	-	-	-	-	-	-	305
of which iron & steel sector	270	-	-	-	-	-	-	-	270
Other energy sector use	-	-	-	10	70	165	-	-	240
Oil & gas extraction	-	-	-	-	-	20	-	-	20
Petroleum refineries	-	-	-	-	20	100	-	-	125
Coal extraction	-	-	-	-	-	45	-	-	45
Other energy sector	-	-	-	10	45	-	-	-	55
Total non energy sector use	**375**	**245**	**-**	**40,740**	**7,445**	**15,860**	**440**	**45**	**65,155**
Industry	40	120	-	1,145	1,115	3,435	190	15	6,065
Iron & steel final use	15	75	-	70	135	125	-	-	420
Other industry	25	45	-	1,080	980	3,310	190	15	5,645
Transport	**-**	**-**	**-**	**38,395**	**-**	**285**	-	**-**	**38,685**
Air	-	-	-	2,485	-	-	-	-	2,485
Rail and national navigation	-	-	-	280	-	285	-	-	565
Road	-	-	-	35,635	-	-	-	-	35,635
Other final users	**335**	**130**	**-**	**1,200**	**6,330**	**12,135**	**245**	**30**	**20,405**
Domestic	335	130	-	735	5,485	7,475	10	30	14,195
Agriculture	-	-	-	130	15	230	-	-	370
Commercial and other services	5	-	-	335	835	4,435	240	-	5,840
Total value of energy end use	**2,020**	**245**	**12,000**	**40,980**	**9,460**	**16,025**	**440**	**60**	**81,225**
Value of non energy end use	**-**	**-**	**-**	**1,670**	**85**	**-**	**-**	**-**	**1,755**

(1) For further information see paragraphs 1.39 to 1.44.

Value balance of traded energy in 1999[(1)]

£million

	Coal	Manufactured solid fuels	Crude oil	Petroleum products	Natural gas	Electricity	Heat Sold	Other fuels	Total
Supply									
Indigenous production	1,170	215	10,910	11,125	4,915	7,655	435	65	36,490
Imports	565	20	3,280	1,960	25	395		-	6,250
Exports	-40	-20	-7,155	-2,855	-225	-		-	-10,295
Marine bunkers	-	-	-	-190	-	-		-	-190
Stock change	-50	-	-30	60	5	-		-	-15
Basic value of inland consumption	**1,650**	**215**	**7,005**	**10,105**	**4,720**	**8,050**	**435**	**65**	**32,245**
Tax and margins									
Distribution costs and margins	**295**	**30**	-	**1,255**	**4,455**	**8,055**		-	**14,095**
Electricity generation	25	-	-	-	-	-		-	25
Solid fuel manufacture	10	-	-	-	-	-		-	10
of which iron & steel sector	5	-	-	-	-	-		-	5
Iron & steel final use	-	5	-	-	-	-		-	5
Other industry	15	15	-	35	-	-		-	65
Air transport	-	-	-	40	-	-		-	40
Rail and national navigation	-	-	-	-	-			-	-
Road transport	-	-	-	765	-	-		-	765
Domestic	240	15	-	85	-	-		-	340
Agriculture	-	-	-	10	-	-		-	10
Commercial and other services	5	-	-	30	-	-		-	35
Non energy use	-	-	-	285	70	-		-	355
VAT and duties	**20**	5	-	**29,960**	**265**	360		-	**30,620**
Electricity generation	-	-	-	5	-	-		-	25
Iron & steel final use	-	-	-	10	-	-		-	10
Other industry	-	-	-	110	-	-		-	110
Air transport	-	-	-	15	-	-		-	15
Rail and national navigation	-	-	-	50	-	-		-	50
Road transport	-	-	-	29,640	-	-		-	29,640
Domestic	20	5	-	30	265	360		-	685
Agriculture	-	-	-	25	-	-		-	25
Commercial and other services	-	-	-	60	-	-		-	60
Total tax and margins	**315**	**40**	-	**31,215**	**4,725**	**8,415**		-	**44,710**
Market value of inland consumption	**1,965**	**250**	**7,005**	**41,320**	**9,440**	**16,470**	**435**	**65**	**76,955**
Energy end use									
Total energy sector	**1,460**	-	**7,005**	**180**	**2,020**	**140**		**15**	**10,820**
Transformation	1,460	-	7,005	170	1,950	-		15	10,600
Electricity generation	1,170	-	-	110	1,935	-		15	3,230
of which from stocks	30	-	-	-	-	-		-	30
Heat Generation	20	-	-	60	15	-	-	-	95
Petroleum refineries	-	-	7,005	-	-	-		-	7,005
Solid fuel manufacture	270	-	-	-	-	-		-	270
of which iron & steel sector	225	-	-	-	-	-		-	225
Other energy sector use	-	-	-	5	**70**	**140**		-	**220**
Oil & gas extraction	-	-	-	-	-	15		-	15
Petroleum refineries	-	-	-	-	25	80		-	105
Coal extraction	-	-	-	-	-	45		-	45
Other energy sector	-	-	-	5	45	-		-	50
Total non energy sector use	**505**	**250**	-	**39,640**	**7,355**	**16,330**	**435**	**55**	**64,570**
Industry	**85**	**120**	-	**735**	**970**	**3,730**	**190**	**25**	**5,855**
Iron & steel final use	15	75	-	45	115	225		-	480
Other industry	70	45	-	690	855	3,505	190	25	5,375
Transport	-	-	-	**38,080**	-	**305**		-	**38,385**
Air	-	-	-	1,210	-	-		-	1,210
Rail and national navigation	-	-	-	190	-	305		-	500
Road	-	-	-	36,680	-	-		-	36,680
Other final users	**420**	**135**	**-**	**825**	**6,390**	**12,290**	**245**	**30**	**20,330**
Domestic	405	135	-	465	5,610	7,600	10	30	14,255
Agriculture	-	-	-	100	10	220		-	335
Commercial and other services	10	-	-	255	770	4,465	240	-	5,740
Total value of energy end use	**1,965**	**250**	**7,005**	**39,820**	**9,375**	**16,470**	**435**	**65**	**75,390**
Value of non energy end use	-	-	-	**1,500**	**65**	-		-	**1,565**

(1) For further information see paragraphs 1.39 to 1.44.

Value balance of traded energy in 1998[(1)]

£ million

	Coal	Manufactured solid fuels	Crude oil	Petroleum products	Natural gas	Electricity	Other fuels	Total
Supply								
Indigenous production	1,315	160	8,080	8,880	5,270	7,550	75	31,330
Imports	640	45	2,275	1,410	45	375	-	4,785
Exports	-45	-25	-5,085	-2,300	-80	-	-	-7,530
Marine bunkers	-	-	-	-230	-	-	-	-230
Stock change	40	5	-35	-5	-	-	-	-
Basic value of inland consumption	**1,950**	**190**	**5,235**	**7,755**	**5,230**	**7,925**	**75**	**28,360**
Tax and margins								
Distribution costs and margins	**330**	**80**	**-**	**1,875**	**4,255**	**8,225**	-	**14,765**
Electricity generation	35	-	-	-	-	-	-	35
Solid fuel manufacture	35	-	-	-	-	-	-	35
of which iron & steel sector	35	-	-	-	-	-	-	35
Iron & steel final use	-	10	-	-	-	-	-	10
Other industry	15	20	-	60	-	-	-	95
Air transport	-	-	-	85	-	-	-	85
Rail and national navigation	-	-	-	15	-	-	-	15
Road transport	-	-	-	1,355	-	-	-	1,355
Domestic	225	50	-	120	-	-	-	395
Agriculture	-	-	-	25	-	-	-	30
Commercial and other services	10	-	-	70	-	-	-	80
Non energy use	-	-	-	145	65	-	-	215
VAT and duties	20	5	-	**24,460**	**285**	**360**	-	**25,135**
Electricity generation	-	-	-	25	-	-	-	25
Iron & steel final use	-	-	-	10	-	-	-	10
Other industry	-	-	-	120	-	-	-	120
Air transport	-	-	-	10	-	-	-	10
Rail and national navigation	-	-	-	50	-	-	-	50
Road transport	-	-	-	24,130	-	-	-	24,130
Domestic	20	5	-	30	285	360	-	705
Agriculture	-	-	-	25	-	-	-	25
Commercial and other services	-	-	-	65	-	-	-	65
Total tax and margins	**345**	**85**	**-**	**26,335**	**4,540**	**8,590**	-	**39,900**
Market value of inland consumption	**2,300**	**275**	**5,235**	**34,090**	**9,770**	**16,515**	**75**	**68,260**
Energy end use								
Total energy sector	**1,785**	-	**5,235**	**125**	**1,820**	**180**	**10**	**9,150**
Transformation	1,785	-	5,235	115	1,755	-	10	8,900
Electricity generation	1,445	-	-	115	1,755	-	10	3,325
of which from stocks	35	-	-	-	-	-	-	35
Petroleum refineries	-	-	5,235	-	-	-	-	5,235
Solid fuel manufacture	340	-	-	-	-	-	-	340
of which iron & steel sector	305	-	-	-	-	-	-	305
Other energy sector use	-	-	-	**5**	**65**	**180**	-	**250**
Oil & gas extraction	-	-	-	-	-	20	-	20
Petroleum refineries	-	-	-	-	25	115	-	140
Coal extraction	-	-	-	-	-	45	-	50
Other energy sector	-	-	-	5	40	-	-	45
Total non energy sector use	**515**	**275**	-	**32,555**	**7,885**	**16,335**	**70**	**57,635**
Industry	**105**	**135**	-	**715**	**990**	**3,535**	**40**	**5,520**
Iron & steel final use	20	80	-	45	110	220	-	475
Other industry	85	55	-	670	880	3,320	40	5,045
Transport	-	-	-	**30,965**	-	**300**	-	**31,265**
Air	-	-	-	965	-	-	-	965
Rail and national navigation	-	-	-	190	-	300	-	495
Road	-	-	-	29,810	-	-	-	29,810
Other final users	**410**	**140**	-	**875**	**6,900**	**12,495**	**30**	**20,845**
Domestic	385	140	-	465	6,015	7,595	30	14,625
Agriculture	-	-	-	115	10	230	-	355
Commercial and other services	25	-	-	295	875	4,670	-	5,870
Total value of energy end use	**2,300**	**275**	**5,235**	**32,680**	**9,705**	**16,515**	**75**	**66,785**
Value of non energy end use	-	-	-	**1,410**	**65**	-	-	**1,475**
Market value of inland consumption	**2,300**	**275**	**5,235**	**34,090**	**9,770**	**16,515**	**75**	**68,260**

(1) For further information see paragraphs 1.39 to 1.44.

Commodity balances 2011

Coal

Thousand tonnes

	Steam coal	Coking coal	Anthracite	Total
Supply				
Production	16,336	383	1,173	17,892
Other sources	660	-	-r	660r
Imports	26,472	5,908	148	32,527
Exports	-391	-3	-97	-491
Marine bunkers	-	-	-	-
Stock change *(1)*	+874	-17	-21	+836
Transfers	-	-	-	-
Total supply	**43,951**	**6,270**	**1,204r**	**51,424r**
Statistical difference *(2)*	-113r	-7	+36r	-83r
Total demand	**44,063**	**6,277**	**1,167r**	**51,507r**
Transformation	**41,963**	**6,277**	**707r**	**48,946r**
Electricity generation	41,372r	-	478r	41,850
Major power producers	40,088r	-	478r	40,566
Autogenerators	1,284	-	-	1,284
Heat generation	562	-	-	562
Petroleum refineries	-	-	-	-
Coke manufacture	-	5,282	-	5,282
Blast furnaces	-	995	-	995
Patent fuel manufacture and low temperature carbonisation	29	-	229r	258r
Energy industry use	**4**	**-**	**-**	**4**
Electricity generation	-	-	-	-
Oil and gas extraction	-	-	-	-
Petroleum refineries	-	-	-	-
Coal extraction	4	-	-	4
Coke manufacture	-	-	-	-
Blast furnaces	-	-	-	-
Patent fuel manufacture	-	-	-	-
Pumped storage	-	-	-	-
Other	-	-	-	-
Losses	-	-	-	-
Final consumption	**2,097r**	**-**	**460r**	**2,557r**
Industry	**1,541**	**-**	**256r**	**1,798**
Unclassified	-	-	-	-
Iron and steel	2	-	51	53
Non-ferrous metals	23	-	-	23
Mineral products	1,056	-	0	1,056
Chemicals	78	-	-	78
Mechanical engineering etc	11	-	-	11
Electrical engineering etc	5	-	-	5
Vehicles	53	-	-	53
Food, beverages etc	26	-	20	45
Textiles, leather, etc	64	-	-	64
Paper, printing etc	122	-	-	122
Other industries	94	-	186	280
Construction	7	-	-	7
Transport	**15**	**-**	**-**	**15**
Air	**-**	**-**	**-**	**-**
Rail *(3)*	15	-	-	15
Road	**-**	**-**	**-**	**-**
National navigation	**-**	**-**	**-**	**-**
Pipelines	**-**	**-**	**-**	**-**
Other	**540**	-	**204r**	**744r**
Domestic	501	**-**	204r	705r
Public administration	26	**-**	**-**	26
Commercial	5	**-**	**-**	5
Agriculture	1	**-**	**-**	1
Miscellaneous	7	**-**	**-**	7
Non energy use	**-**	**-**	**-**	**-**

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

(2) Total supply minus total demand.

(3) Estimate revised following research carried out into heritage railways.

Commodity balances 2010

Coal

Thousand tonnes

	Steam coal	Coking coal	Anthracite	Total
Supply				
Production	16,397	270	1,150	17,817
Other sources	530	-	-r	530r
Imports	19,751	6,634	155	26,541
Exports	-624	-1	-90	-715
Marine bunkers	-	-	-	-
Stock change *(1)*	+7,817	-531	-79	+7,206
Transfers	-	-	-	-
Total supply	**43,871**	**6,372**	**1,136r**	**51,378r**
Statistical difference *(2)*	+1r	-6	+60r	+54r
Total demand	**43,870r**	**6,378**	**1,076r**	**51,324r**
Transformation	**41,736r**	**6,378**	**470r**	**48,584**
Electricity generation	41,225r	-	273r	41,498
Major power producers	39,957r	-	273r	40,230
Autogenerators	1,268	-	-	1,268
Heat generation	477	-	-	477
Petroleum refineries	-	-	-	-
Coke manufacture	-	5,399	-	5,399
Blast furnaces	-	978		978
Patent fuel manufacture and low temperature carbonisation	34		197	231
Energy industry use	**5**	**-**	**-**	**5**
Electricity generation	-	-	-	-
Oil and gas extraction	-	-	-	-
Petroleum refineries	-	-	-	-
Coal extraction	5	-	-	5
Coke manufacture	-	-	-	-
Blast furnaces	-	-	-	-
Patent fuel manufacture	-	-	-	-
Pumped storage	-	-	-	-
Other	-	-	-	-
Losses	-	-	-	-
Final consumption	**2,129**	**-**	**606r**	**2,736r**
Industry	**1,567**	**-**	**392r**	**1,959r**
Unclassified	-	-	-	-
Iron and steel	2	-	62	64
Non-ferrous metals	24	-	-	24
Mineral products	1,063	-	0	1,063
Chemicals	79	-	-	79
Mechanical engineering etc	13	-	-	13
Electrical engineering etc	5	-	-	5
Vehicles	51	-	-	51
Food, beverages etc	24	-	18	43
Textiles, leather, etc	67	-	-	67
Paper, printing etc	123	-	-	123
Other industries	112	-	311r	423r
Construction	4	-	-	4
Transport	**19**	**-**	**-**	**19**
Air	**-**	**-**	**-**	**-**
Rail *(3)*	19	-	-	19
Road	**-**	**-**	**-**	**-**
National navigation	**-**	**-**	**-**	**-**
Pipelines	**-**	**-**	**-**	**-**
Other	**544**	-	**214r**	**758r**
Domestic	504	**-**	214r	719r
Public administration	28	**-**	**-**	28
Commercial	4	**-**	**-**	4
Agriculture	1	**-**	**-**	1
Miscellaneous	6	**-**	**-**	6
Non energy use	**-**	**-**	**-**	**-**

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

(2) Total supply minus total demand.

(3) Estimate revised following research carried out into heritage railways.

Commodity balances 2009

Coal

Thousand tonnes

	Steam coal	Coking coal	Anthracite	Total
Supply				
Production	15,862	246	1,266	17,374
Other sources	430	-	70	500
Imports	32,794	5,264	109	38,167
Exports	-526	-6	-115	-646
Marine bunkers	-	-	-	-
Stock change *(1)*	-6,797	+259	-71	-6,609
Transfers	-	-	-	-
Total supply	**41,763**	**5,763**	**1,258**	**48,785**
Statistical difference *(2)*	+15	-24	+76	+67
Total demand	**41,748**	**5,787**	**1,183**	**48,718**
Transformation	**39,574**	**5,787**	**827**	**46,188**
Electricity generation	39,081	-	600	39,681
Major power producers	37,662	-	600	38,262
Autogenerators	1,419	-	-	1,419
Heat generation	482	-	-	482
Petroleum refineries	-	-	-	-
Coke manufacture	-	4,936	-	4,936
Blast furnaces	-	852	-	852
Patent fuel manufacture and low temperature carbonisation	11	-	227	238
Energy industry use	**5**	**-**	**-**	**5**
Electricity generation	-	-	-	-
Oil and gas extraction	-	-	-	-
Petroleum refineries	-	-	-	-
Coal extraction	5	-	-	5
Coke manufacture	-	-	-	-
Blast furnaces	-	-	-	-
Patent fuel manufacture	-	-	-	-
Pumped storage	-	-	-	-
Other	-	-	-	-
Losses	-	-	-	-
Final consumption	**2,170**	**-**	**356**	**2,525**
Industry	**1,600**	**-**	**142**	**1,742**
Unclassified	-	-	-	-
Iron and steel	2	-	58	60
Non-ferrous metals	28	-	-	28
Mineral products	1,076	-	1	1,077
Chemicals	77	-	-	77
Mechanical engineering etc	14	-	-	14
Electrical engineering etc	5	-	-	5
Vehicles	46	-	-	46
Food, beverages etc	37	-	11	48
Textiles, leather, etc	69	-	-	69
Paper, printing etc	124	-	-	124
Other industries	119	-	72	191
Construction	4	-	-	4
Transport	**19**	**-**	**-**	**19**
Air	**-**	**-**	**-**	**-**
Rail *(3)*	19	-	-	19
Road	-	-	-	-
National navigation	-	-	-	-
Pipelines	-	-	-	-
Other	**551**	-	**214**	**765**
Domestic	476	-	214	689
Public administration	24	-	-	24
Commercial	49	-	-	49
Agriculture	-	-	-	-
Miscellaneous	3	-	-	3
Non energy use	**-**	**-**	**-**	**-**

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

(2) Total supply minus total demand.

(3) Estimate revised following research carried out into heritage railways.

Commodity balances 2008

Coal

Thousand tonnes

	Steam coal	Coking coal	Anthracite	Total
Supply				
Production	16,010	307	1,287	17,604
Other sources	368	-	81	449
Imports	37,382	6,349	144	43,875
Exports	-357	-139	-104	-599
Marine bunkers	-	-	-	-
Stock change *(1)*	-3,473	+414	-51	-3,110
Transfers	-	-	-	-
Total supply	**49,930**	**6,931**	**1,358**	**58,219**
Statistical difference *(2)*	+82	-114	-134	-166
Total demand	**49,849**	**7,045**	**1,492**	**58,385**
Transformation	**47,498**	**7,045**	**1,165**	**55,707**
Electricity generation	46,990	-	817	47,808
Major power producers	45,435	-	817	46,252
Autogenerators	1,555	-	-	1,555
Heat generation	503	-	-	503
Petroleum refineries	-	-	-	-
Coke manufacture	-	5,875	-	5,875
Blast furnaces	-	1,170	-	1,170
Patent fuel manufacture and low temperature carbonisation	5	-	347	352
Energy industry use	**5**	**-**	**-**	**5**
Electricity generation	-	-	-	-
Oil and gas extraction	-	-	-	-
Petroleum refineries	-	-	-	-
Coal extraction	5	-	-	5
Coke manufacture	-	-	-	-
Blast furnaces	-	-	-	-
Patent fuel manufacture	-	-	-	-
Pumped storage	-	-	-	-
Other	-	-	-	-
Losses	-	-	-	-
Final consumption	**2,346**	**-**	**327**	**2,672**
Industry	**1,779**	**-**	**162**	**1,940**
Unclassified	-	-	-	-
Iron and steel	2	-	67	69
Non-ferrous metals	33	-	-	33
Mineral products	1,149	-	1	1,150
Chemicals	102	-	-	102
Mechanical engineering etc	14	-	-	14
Electrical engineering etc	6	-	-	6
Vehicles	49	-	-	49
Food, beverages etc	27	-	11	39
Textiles, leather, etc	76	-	-	76
Paper, printing etc	149	-	-	149
Other industries	129	-	82	212
Construction	43	-	-	43
Transport	**19**	**-**	**-**	**19**
Air	**-**	**-**	**-**	**-**
Rail *(3)*	19	-	-	19
Road	-	-	-	-
National navigation	-	-	-	-
Pipelines	-	-	-	-
Other	**548**	-	**165**	**713**
Domestic	520	-	164	683
Public administration	13	-	-	13
Commercial	10	-	-	10
Agriculture	5	-	-	5
Miscellaneous	0	-	1	1
Non energy use	**-**	**-**	**-**	**-**

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

(2) Total supply minus total demand.

(3) Estimate revised following research carried out into heritage railways.

Commodity balances 2007

Coal

Thousand tonnes

	Steam coal	Coking coal	Anthracite	Total
Supply				
Production	..	266	..	16,540
Other sources	..	-	..	467
Imports	35,746	7,481	137	43,364
Exports	-428	-13	-103	-544
Marine bunkers	-	-	-	-
Stock change *(1)*	..	-533	..	+3,076
Transfers	-	-	-	-
Total supply	**..**	**7,202**	**..**	**62,903**
Statistical difference *(2)*	..	+27	..	-125
Total demand	**54,609**	**7,174**	**1,246**	**63,029**
Transformation	**52,279**	**7,174**	**981**	**60,434**
Electricity generation	51,795	-	716	52,511
Major power producers	50,315	-	716	51,031
Autogenerators	1,480	-	-	1,480
Heat generation	485	-	-	485
Petroleum refineries	-	-	-	-
Coke manufacture	-	5,932	-	5,932
Blast furnaces	-	1,242	-	1,242
Patent fuel manufacture and low temperature carbonisation	-	-	265	265
Energy industry use	**4**	**-**	**1**	**5**
Electricity generation	-	-	-	-
Oil and gas extraction	-	-	-	-
Petroleum refineries	-	-	-	-
Coal extraction	4	-	1	5
Coke manufacture	-	-	-	-
Blast furnaces	-	-	-	-
Patent fuel manufacture	-	-	-	-
Pumped storage	-	-	-	-
Other	-	-	-	-
Losses	**-**	**-**	**-**	**-**
Final consumption	**2,325**	**-**	**264**	**2,590**
Industry	**1,820**	**-**	**76**	**1,896**
Unclassified	-	-	-	-
Iron and steel	..	-	..	75
Non-ferrous metals	..	-	..	36
Mineral products	..	-	..	1,150
Chemicals	..	-	..	119
Mechanical engineering etc	..	-	..	10
Electrical engineering etc	..	-	..	6
Vehicles	..	-	..	49
Food, beverages etc	..	-	..	34
Textiles, leather, etc	..	-	..	74
Paper, printing etc	..	-	..	144
Other industries	..	-	..	200
Construction	..	-	..	-
Transport	**19**	**-**	**-**	**19**
Air	-	-	-	-
Rail *(3)*	19	-	-	19
Road	-	-	-	-
National navigation	-	-	-	-
Pipelines	-	-	-	-
Other	..	**-**	..	**675**
Domestic	462	-	186	648
Public administration	..	-	..	14
Commercial	..	-	..	6
Agriculture	..	-	..	4
Miscellaneous	..	-	..	2
Non energy use	**-**	**-**	**-**	**-**

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

(2) Total supply minus total demand.

(3) Estimate revised following research carried out into heritage railways.

Commodity balances 2006

Coal

Thousand tonnes

	Steam coal	Coking coal	Anthracite	Total
Supply				
Production	..	266	..	18,079
Other sources	..	-	..	438
Imports	43,609	6,774	145	50,528
Exports	-349	-1	-94	-443
Marine bunkers	-	-	-	-
Stock change *(1)*	..	+4	..	-1,262
Transfers	-	-	-	-
Total supply	..	**7,044**	..	**67,340**
Statistical difference *(2)*	..	-6	..	-254
Total demand	**59,024**	**7,049**	**1,520**	**67,594**
Transformation	**56,907**	**7,049**	**1,264r**	**65,220**
Electricity generation	56,450	-	988	57,438
Major power producers	54,938	-	988r	55,926
Autogenerators	1,511	-	-	1,511
Heat generation	457	-	-	457
Petroleum refineries	-	-	-	-
Coke manufacture	-	5,929	-	5,929
Blast furnaces	-	1,121	-	1,121
Patent fuel manufacture and low temperature carbonisation	-	-	276	276
Energy industry use	**3**	**-**	**1**	**4**
Electricity generation	-	-	-	-
Oil and gas extraction	-	-	-	-
Petroleum refineries	-	-	-	-
Coal extraction	3	-	1	4
Coke manufacture	-	-	-	-
Blast furnaces	-	-	-	-
Patent fuel manufacture	-	-	-	-
Pumped storage	-	-	-	-
Other	-	-	-	-
Losses	-	-	-	-
Final consumption	**2,115**	**-**	**256**	**2,370**
Industry	**1,712**	**-**	**44**	**1,756**
Unclassified	-	**-**	**-**	-
Iron and steel	..	**-**	..	1
Non-ferrous metals	..	**-**	..	62
Mineral products	..	**-**	..	1,047
Chemicals	..	**-**	..	131
Mechanical engineering etc	..	**-**	..	12
Electrical engineering etc	..	**-**	..	6
Vehicles	..	**-**	..	53
Food, beverages etc	..	**-**	..	25
Textiles, leather, etc	..	**-**	..	70
Paper, printing etc	..	**-**	..	141
Other industries	..	**-**	..	208
Construction	..	**-**	**-**	**-**
Transport	**19**	-	-	**19**
Air	-	-	-	-
Rail *(3)*	19	-	-	19
Road	-	-	-	-
National navigation	-	-	-	-
Pipelines	-	-	-	-
Other	..	-	..	**596**
Domestic	349	-	212	561
Public administration	..	-	..	19
Commercial	..	-	..	6
Agriculture	..	-	..	5
Miscellaneous	..	-	..	5
Non energy use	**-**	**-**	**-**	**-**

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

(2) Total supply minus total demand.

(3) Estimate revised following research carried out into heritage railways.

Commodity balances 2005

Coal

Thousand tonnes

	Steam coal	Coking coal	Anthracite	Total
Supply				
Production	..	274	..	20,008
Other sources	..	-	..	490
Imports	37,230	6,551	187	43,968
Exports	-364	-3	-169	-536
Marine bunkers	-	-	-	-
Stock change *(1)*	..	-253	..	-2,151
Transfers	-	-	-	-
Total supply	..	**6,570**	..	**61,780**
Statistical difference *(2)*	..	-39	..	-72
Total demand	**53,343r**	**6,609**	**1,900**	**61,852**
Transformation	**51,225**	**6,609**	**1,558**	**59,392**
Electricity generation	50,766	-	1,292	52,058
Major power producers	49,291	-	1,292	50,582
Autogenerators	1,476	-	-	1,476
Heat generation	459	-	-	459
Petroleum refineries	-	-	-	-
Coke manufacture	-	5,570	-	5,570
Blast furnaces	-	1,039	-	1,039
Patent fuel manufacture and low temperature carbonisation	-	-	266	266
Energy industry use	**5**	**-**	**1**	**6**
Electricity generation	-	-	-	-
Oil and gas extraction	-	-	-	-
Petroleum refineries	-	-	-	-
Coal extraction	5	-	1	6
Coke manufacture	-	-	-	-
Blast furnaces	-	-	-	-
Patent fuel manufacture	-	-	-	-
Pumped storage	-	-	-	-
Other	-	-	-	-
Losses	-	-	-	-
Final consumption	**2,114**	**-**	**341**	**2,455**
Industry	**1,756**	**-**	**25**	**1,781**
Unclassified	-	**-**	**-**	-
Iron and steel	-	**-**	**-**	-
Non-ferrous metals	..	**-**	..	41
Mineral products	..	**-**	..	1,120
Chemicals	..	**-**	..	132
Mechanical engineering etc	..	**-**	..	12
Electrical engineering etc	..	**-**	..	5
Vehicles	..	**-**	..	55
Food, beverages etc	..	**-**	..	26
Textiles, leather, etc	..	**-**	..	71
Paper, printing etc	..	**-**	..	142
Other industries	..	**-**	..	178
Construction	**-**	**-**	**-**	**-**
Transport	**4**	**-**	**-**	**4**
Air	-	-	-	-
Rail	4	-	-	4
Road	-	-	-	-
National navigation	-	-	-	-
Pipelines	-	-	-	-
Other	..	-	..	**669**
Domestic	298	-	316	614
Public administration	..	-	..	38
Commercial	..	-	..	6
Agriculture	..	-	..	9
Miscellaneous	..	-	..	2
Non energy use	**-**	**-**	**-**	**-**

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

(2) Total supply minus total demand.

Commodity balances 2004

Coal

Thousand tonnes

	Steam coal	Coking coal	Anthracite	Total
Supply				
Production	..	352	..	24,535
Other sources	..	-	..	561
Imports	29,614	6,345	194	36,153
Exports	-440	-9	-172	-622
Marine bunkers	-	-	-	-
Stock change *(1)*	..	-206	..	-60
Transfers	-	-	-	-
Total supply	..	**6,482**	..	**60,567**
Statistical difference *(2)*	..	+101	..	+117
Total demand	**52,159**	**6,382**	**1,910**	**60,451**
Transformation	**49,934**	**6,382**	**1,310**	**57,626**
Electricity generation	49,461	-	983	50,444
Major power producers	47,985	-	983	48,968
Autogenerators	1,476	-	-	1,476
Heat generation	473	-	-	473
Petroleum refineries	-	-	-	-
Coke manufacture	-	5,487	-	5,487
Blast furnaces	-	895	-	895
Patent fuel manufacture and low temperature carbonisation	-	-	327	327
Energy industry use	**7**	-	**1**	**8**
Electricity generation	-	-	-	-
Oil and gas extraction	-	-	-	-
Petroleum refineries	-	-	-	-
Coal extraction	7	-	1	8
Coke manufacture	-	-	-	-
Blast furnaces	-	-	-	-
Patent fuel manufacture	-	-	-	-
Pumped storage	-	-	-	-
Other	-	-	-	-
Losses	-	-	-	-
Final consumption	**2,217**	-	**599**	**2,816**
Industry	**1,815**	-	**33**	**1,848**
Unclassified	-	-	-	-
Iron and steel	-	-	-	-
Non-ferrous metals	..	-	..	12
Mineral products	..	-	..	1,127
Chemicals	..	-	..	148
Mechanical engineering etc	..	-	..	13
Electrical engineering etc	..	-	..	5
Vehicles	..	-	..	80r
Food, beverages etc	..	-	..	38
Textiles, leather, etc	..	-	..	82
Paper, printing etc	..	-	..	141
Other industries	..	-	..	203
Construction	-	-	-	-
Transport	-	-	-	-
Air	-	-	-	-
Rail	-	-	-	-
Road	-	-	-	-
National navigation	-	-	-	-
Pipelines	-	-	-	-
Other	..	-	..	**968**
Domestic	375	-	566	941
Public administration	..	-	..	13
Commercial	..	-	..	5
Agriculture	..	-	..	8
Miscellaneous	..	-	..	2
Non energy use	-	-	-	-

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

(2) Total supply minus total demand.

Commodity balances 2003

Coal

Thousand tonnes

	Steam coal	Coking coal	Anthracite	Total
Supply				
Production	..	373	..	27,759
Other sources	..	-	..	520
Imports	25,098	6,474	319	31,891
Exports	-359	-2	-181	-543
Marine bunkers	-	-	-	-
Stock change *(1)*	..	+62	..	+3,237
Transfers	-	-	-	-
Total supply	..	**6,907**	..	**62,865**
Statistical difference *(2)*	..	+296	..	-158
Total demand	**54,314**	**6,611**	**2,099**	**63,024**
Transformation	**52,073**	**6,611**	**1,409**	**60,093**
Electricity generation	51,451	-	1,013	52,464
Major power producers	49,883	-	1,013	50,896
Autogenerators	1,568	-	-	1,568
Heat generation	622	-	-	622
Petroleum refineries	-	-	-	-
Coke manufacture	-	5,729	-	5,729
Blast furnaces	-	882	-	882
Patent fuel manufacture and low temperature carbonisation	-	-	396	396
Energy industry use	**5**	**-**	**1**	**6**
Electricity generation	-	-	-	-
Oil and gas extraction	-	-	-	-
Petroleum refineries	-	-	-	-
Coal extraction	5	-	1	6
Coke manufacture	-	-	-	-
Blast furnaces	-	-	-	-
Patent fuel manufacture	-	-	-	-
Pumped storage	-	-	-	-
Other	-	-	-	-
Losses	-	-	-	-
Final consumption	**2,235**	**-**	**689**	**2,924**
Industry	**1,785**	**-**	**72**	**1,857**
Unclassified	-	-	-	-
Iron and steel	-	-	-	-
Non-ferrous metals	..	-	..	13
Mineral products	..	-	..	1,199
Chemicals	..	-	..	70
Mechanical engineering etc	..	-	..	14
Electrical engineering etc	..	-	..	2
Vehicles	..	-	..	70
Food, beverages etc	..	-	..	50
Textiles, leather, etc	..	-	..	86
Paper, printing etc	..	-	..	128
Other industries	..	-	..	225
Construction	-	-	-	-
Transport	**-**	-	**-**	**-**
Air	-	-	-	-
Rail	-	-	-	-
Road	-	-	-	-
National navigation	-	-	-	-
Pipelines	-	-	-	-
Other	..	-	..	**1,068**
Domestic	426	-	617	1,043
Public administration	..	-	..	12
Commercial	..	-	..	5
Agriculture	..	-	..	6
Miscellaneous	..	-	..	2
Non energy use	**-**	**-**	**-**	**-**

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

(2) Total supply minus total demand.

Commodity balances 2002

Coal

Thousand tonnes

	Steam coal	Coking coal	Anthracite	Total
Supply				
Production	..	373	..	29,539
Other sources	..	-	..	450
Imports	21,895	6,315	477	28,686
Exports	-342	-3	-192	-537
Marine bunkers	-	-	-	-
Stock change *(1)*	..	+162	..	+501
Transfers	-	-	-	-
Total supply	..	**6,846**	..	**58,640**
Statistical difference *(2)*	..	+313	..	+88
Total demand	**49,111**	**6,533**	**2,909**	**58,553**
Transformation	**46,819**	**6,533**	**2,075**	**55,427**
Electricity generation	46,102	-	1,639	47,741
Major power producers	44,506	-	1,639	46,145
Autogenerators	1,596	-	-	1,596
Heat generation	717	-	-	717
Petroleum refineries	-	-	-	-
Coke manufacture	-	5,807	-	5,807
Blast furnaces	-	726	-	726
Patent fuel manufacture and low temperature carbonisation	-	-	436	436
Energy industry use	**8**	**-**	**1**	**9**
Electricity generation	-	-	-	-
Oil and gas extraction	-	-	-	-
Petroleum refineries	-	-	-	-
Coal extraction	8	-	1	9
Coke manufacture	-	-	-	-
Blast furnaces	-	-	-	-
Patent fuel manufacture	-	-	-	-
Pumped storage	-	-	-	-
Other	-	-	-	-
Losses	-	-	-	-
Final consumption	**2,283**	-	**834**	**3,117**
Industry	**1,778**	-	**31**	**1,809**
Unclassified	-	-	-	-
Iron and steel	-	-	-	-
Non-ferrous metals	..	-	..	24
Mineral products	..	-	..	1,213
Chemicals	..	-	..	61
Mechanical engineering etc	..	-	..	14
Electrical engineering etc	..	-	..	7
Vehicles	..	-	..	61
Food, beverages etc	..	-	..	45
Textiles, leather, etc	..	-	..	84
Paper, printing etc	..	-	..	119
Other industries	..	-	..	181
Construction	-	-	-	-
Transport	-	-	-	-
Air	-	-	-	-
Rail	-	-	-	-
Road	-	-	-	-
National navigation	-	-	-	-
Pipelines	-	-	-	-
Other	..	-	..	**1,308**
Domestic	483	-	803	1,286
Public administration	..	-	..	9
Commercial	..	-	..	5
Agriculture	..	-	..	6
Miscellaneous	..	-	..	2
Non energy use	-	-	-	-

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

(2) Total supply minus total demand.

Commodity balances 2001

Coal

Thousand tonnes

	Steam coal	Coking coal	Anthracite	Total
Supply				
Production	..	312	..	31,513
Other sources	..	-	..	417
Imports	27,041	7,723	778	35,542
Exports	-301	-4	-244	-550
Marine bunkers	-	-	-	-
Stock change *(1)*	..	-366	..	-3,392
Transfers	-	-	-	-
Total supply	..	**7,664**	..	**63,530**
Statistical difference *(2)*	..	-231	..	-320
Total demand	**52,924**	**7,895**	**3,031**	**63,850**
Transformation	**50,304**	**7,895**	**1,873**	**60,072**
Electricity generation	49,554	-	1,378	50,932
Major power producers	47,913	-	1,378	49,290
Autogenerators	1,641	-	-	1,641
Heat generation	750	-	-	750
Petroleum refineries	-	-	-	-
Coke manufacture	-	7,132	-	7,132
Blast furnaces	-	764	-	764
Patent fuel manufacture and low temperature carbonisation	-	-	496	496
Energy industry use	**9**	**-**	**1**	**10**
Electricity generation	-	-	-	-
Oil and gas extraction	-	-	-	-
Petroleum refineries	-	-	-	-
Coal extraction	9	-	1	10
Coke manufacture	-	-	-	-
Blast furnaces	-	-	-	-
Patent fuel manufacture	-	-	-	-
Pumped storage	-	-	-	-
Other	-	-	-	-
Losses	-	-	-	-
Final consumption	**2,611**	**-**	**1,157**	**3,768**
Industry	**1,779**	**-**	**48**	**1,826**
Unclassified	-	-	-	-
Iron and steel	1	-	-	1
Non-ferrous metals	..	-	..	13
Mineral products	..	-	..	1,260
Chemicals	..	-	..	35
Mechanical engineering etc	..	-	..	13
Electrical engineering etc	..	-	..	8
Vehicles	..	-	..	60
Food, beverages etc	..	-	..	42
Textiles, leather, etc	..	-	..	75
Paper, printing etc	..	-	..	107
Other industries	..	-	..	213
Construction	-	-	-	-
Transport	**-**	**-**	**-**	**-**
Air	-	-	-	-
Rail	-	-	-	-
Road	-	-	-	-
National navigation	-	-	-	-
Pipelines	-	-	-	-
Other	..	-	..	**1,942**
Domestic	764	-	1,110	1,874
Public administration	..	-	..	47
Commercial	..	-	..	6
Agriculture	..	-	..	5
Miscellaneous	..	-	..	10
Non energy use	**-**	**-**	**-**	**-**

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

(2) Total supply minus total demand.

Commodity balances 2000

Coal

Thousand tonnes

	Steam coal	Coking coal	Anthracite	Total
Supply				
Production	..	255	..	30,600
Other sources	..	-	..	598
Imports	14,425	8,462	558	23,446
Exports	-351	-4	-306	-660
Marine bunkers	-	-	-	-
Stock change *(1)*	..	+111	..	+5,855
Transfers	-	-	-	-
Total supply	..	**8,824**	..	**59,838**
Statistical difference *(2)*	..	+139	..	-151
Total demand	**48,337**	**8,685**	**2,909**	**59,931**
Transformation	**45,480**	**8,685**	**1,913**	**56,078**
Electricity generation	44,825	-	1,373	46,198
Major power producers	43,389	-	1,373	44,762
Autogenerators	1,436	-	-	1,436
Heat generation	656	-	-	656
Petroleum refineries	-	-	-	-
Coke manufacture	-	8,229	-	8,229
Blast furnaces	-	456	-	456
Patent fuel manufacture and low temperature carbonisation	-	-	540	540
Energy industry use	**9**	**-**	**3**	**12**
Electricity generation	-	-	-	-
Oil and gas extraction	-	-	-	-
Petroleum refineries	-	-	-	-
Coal extraction	9	-	3	12
Coke manufacture	-	-	-	-
Blast furnaces	-	-	-	-
Patent fuel manufacture	-	-	-	-
Pumped storage	-	-	-	-
Other	-	-	-	-
Losses	-	-	-	-
Final consumption	**2,848**	**-**	**993**	**3,841**
Industry	**1,801**	**-**	**75**	**1,876**
Unclassified	-	-	-	-
Iron and steel	2	-	-	2
Non-ferrous metals	..	-	..	11
Mineral products	..	-	..	1,240
Chemicals	..	-	..	34
Mechanical engineering etc	..	-	..	9
Electrical engineering etc	..	-	..	3
Vehicles	..	-	..	49
Food, beverages etc	..	-	..	18
Textiles, leather, etc	..	-	..	62
Paper, printing etc	..	-	..	122
Other industries	..	-	..	326
Construction	-	-	-	-
Transport	**-**	**-**	**-**	**-**
Air	-	-	-	-
Rail	-	-	-	-
Road	-	-	-	-
National navigation	-	-	-	-
Pipelines	-	-	-	-
Other	..	**-**	..	**1,965**
Domestic	965	-	917	1,883
Public administration	..	-	..	60
Commercial	..	-	..	7
Agriculture	..	-	..	7
Miscellaneous	..	-	..	8
Non energy use	**-**	**-**	**-**	**-**

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

(2) Total supply minus total demand.

Commodity balances 1999

Coal

Thousand tonnes

	Steam coal	Coking coal	Anthracite	Total
Supply				
Production	..	263	..	36,163
Other sources	..	-	..	914
Imports	11,675	8,020	598	20,293
Exports	-434	-	-327	-761
Marine bunkers	-	-	-	-
Stock change *(1)*	..	+258	..	-1,164
Transfers	-	-	-	-
Total supply	..	**8,541**	..	**55,445**
Statistical difference *(2)*	..	+128	..	-279
Total demand	**44,837**	**8,413**	**2,474**	**55,724**
Transformation	**41,027**	**8,413**	**1,446**	**50,886**
Electricity generation	40,378	-	800	41,178
Major power producers	38,783	-	800	39,583
Autogenerators	1,595	-	-	1,595
Heat generation	649	-	-	649
Petroleum refineries	-	-	-	-
Coke manufacture	-	7,919	-	7,919
Blast furnaces	-	494	-	494
Patent fuel manufacture and low temperature carbonisation	-	-	646	646
Energy industry use	**9**	**-**	**1**	**10**
Electricity generation	-	-	-	-
Oil and gas extraction	-	-	-	-
Petroleum refineries	-	-	-	-
Coal extraction	9	-	1	10
Coke manufacture	-	-	-	-
Blast furnaces	-	-	-	-
Patent fuel manufacture	-	-	-	-
Pumped storage	-	-	-	-
Other	-	-	-	-
Losses	-	-	-	-
Final consumption	**3,801**	-	**1,027**	**4,828**
Industry	**1,913**	-	**127**	**2,040**
Unclassified	-	-	-	-
Iron and steel	12	-	-	12
Non-ferrous metals	..	-	..	346
Mineral products	..	-	..	586
Chemicals	..	-	..	434
Mechanical engineering etc	..	-	..	25
Electrical engineering etc	..	-	..	7
Vehicles	..	-	..	79
Food, beverages etc	..	-	..	215
Textiles, leather, etc	..	-	..	58
Paper, printing etc	..	-	..	121
Other industries	..	-	..	157
Construction	-	-	-	-
Transport	-	-	-	-
Air	-	-	-	-
Rail	-	-	-	-
Road	-	-	-	-
National navigation	-	-	-	-
Pipelines	-	-	-	-
Other	..	-	..	**2,788**
Domestic	1,619	-	898	2,517
Public administration	..	-	..	229
Commercial	..	-	..	4
Agriculture	..	-	..	7
Miscellaneous	..	-	..	31
Non energy use	-	-	-	-

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

(2) Total supply minus total demand.

Commodity balances 1998

Coal

Thousand tonnes

	Steam coal	Coking coal	Anthracite	Total
Supply				
Production	..	541	..	40,046
Other sources	..	-	..	1,131
Imports	12,079	8,646	519	21,244
Exports	-689	-	-282	-971
Marine bunkers	-	-	-	-
Stock change *(1)*	..	-184	..	+1,421
Transfers	-	-	-	-
Total supply	..	**9,003**	..	**62,871**
Statistical difference *(2)*	..	+275	..	-281
Total demand	**51,997**	**8,728**	**2,427**	**63,152**
Transformation	**47,847**	**8,728**	**1,376**	**57,951**
Electricity generation	47,847	-	741	48,588
Major power producers	45,886	-	741	46,627
Autogenerators	1,961	-	-	1,961
Petroleum refineries	-	-	-	-
Coke manufacture	-	8,169	-	8,169
Blast furnaces	-	559	-	559
Patent fuel manufacture and low temperature carbonisation	-	-	635	635
Energy industry use	**4**	**-**	**1**	**5**
Electricity generation	-	-	-	-
Oil and gas extraction	-	-	-	-
Petroleum refineries	-	-	-	-
Coal extraction	4	-	1	5
Coke manufacture	-	-	-	-
Blast furnaces	-	-	-	-
Patent fuel manufacture	-	-	-	-
Pumped storage	-	-	-	-
Other	-	-	-	-
Losses	-	-	-	-
Final consumption	**4,146**	-	**1,050**	**5,196**
Industry	2,329	-	**85**	**2,414**
Unclassified	-	-	-	-
Iron and steel	9	-	-	9
Non-ferrous metals	..	-	..	208
Mineral products	..	-	..	763
Chemicals	..	-	..	643
Mechanical engineering etc	..	-	..	28
Electrical engineering etc	..	-	..	3
Vehicles	..	-	..	46
Food, beverages etc	..	-	..	288
Textiles, leather, etc	..	-	..	69
Paper, printing etc	..	-	..	108
Other industries	..	-	..	249
Construction	-	-	-	-
Transport	-	-	-	-
Air	-	-	-	-
Rail	-	-	-	-
Road	-	-	-	-
National navigation	-	-	-	-
Pipelines	-	-	-	-
Other	..	-	..	**2,782**
Domestic	1,413	-	953	2,366
Public administration	..	-	..	312
Commercial	..	-	..	4
Agriculture	..	-	..	9
Miscellaneous	..	-	..	91
Non energy use	-	-	-	-

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

(2) Total supply minus total demand.

Supply and consumption of coke oven coke, coke breeze and other manufactured solid fuels

Thousand tonnes

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Coke oven coke														
Supply														
Production	6,178	5,837	6,058	5,306	4,335	4,286	4,038	4,105	4,384	4,451	4,324	3,663	3,990	4,021
Imports	753	389	421	101	226	929	847	674	748	745	503	140	44	-
Exports	-93	-79	-243	-176	-272	-74	-80	-64	-94	-105	-111	-97	-437	-427
Stock change *(1)*	-195	+290	-216	+121	+257	-60	-88	-94	-237	+34	+287	-79	-145	-520
Transfers	-1,223	-951	-827	-982	-927	-1,095	-1,012	-983	-955	-1,115	-1,104	-784	-833	-744
Total supply	**5,420**	**5,486**	**5,193**	**4,370**	**3,620**	**3,986**	**3,704**	**3,638**	**3,846**	**4,010**	**3,899**	**2,843**	**2,619**	**2,331**
Statistical difference *(2)*	-12	-154	-123	-24	-37	-18	-14	-2	-1	-14	**-0**	-	-	-
Total demand	**5,432**	**5,640**	**5,316**	**4,394**	**3,657**	**4,004**	**3,718**	**3,639**	**3,847**	**4,024**	**3,900**	**2,843**	**2,619**	**2,331**
Transformation	**4,908**	**5,113**	**4,764**	**3,957**	**3,224**	**3,716**	**3,569**	**3,516**	**3,745**	**3,910**	**3,796**	**2,755**	**2,554**	**2,287**
Blast furnaces	4,908	5,113	4,764	3,957	3,224	3,716	3,569	3,516	3,745	3,910	3,796	2,755	2,554	2,287
Energy industry use	**27**	**20**	**37**	**32**	**17**	-	-	-	-	-	-	-	-	-
Final consumption	**497**	**507**	**515**	**405**	**417**	**288**	**149**	**123**	**102**	**114**	**104**	**88**	**66**	**44**
Industry	**377**	**386**	**370**	**338**	**239**	**159**	**98**	**89**	**80**	**99**	**91**	**78**	**55**	**35**
Unclassified	220	226	191	181	151	113	76	67	53	76	78	71	48	28
Iron and steel	23	17	19	32	29	23	22	22	26	23	13	7	7	7
Non-ferrous metals	134	143	160	125	59	24	-	-	-	-	-	-	-	-
Other	**120**	**121**	**145**	**67**	**178**	**129**	**51**	**34**	**22**	**15**	**12**	**10**	**10**	**9**
Domestic	120	121	145	67	178	129	51	34	22	15	12	10	10	9
Stocks at end of year *(3)*	**623**	**333**	**548**	**428**	**171**	**230**	**318**	**413**	**650**	**616**	**326**	**319**	**464**	**972**
Coke breeze														
Supply														
Production *(4)*	37	33	148	210	224	315	298	259	245	25	35	29	32	31
Imports	78	40	62	56	12	49	199	235	261	325	219	38	69	26
Exports	-196	-165	-138	-143	-46	-64	-62	-55	-74	-152	-74	-49	-46	-40
Stock change *(1)*	-129	-40	22	8	-14	-83	-63	-59	+25	-80	-79	+89	-83	-8
Transfers	1,163	1,035	827	982	+927	+1,095	+1,012	+983	955	1,115	1,104	784	833	744
Total supply	**953**	**903**	**921**	**1,112**	**1,102**	**1,311**	**1,363**	**1,363**	**1,411**	**1,233**	**1,205**	**892**	**805**	**753**
Statistical difference *(2)*	-237	-206	-115	-7	+28	-21	-1	-1	-4	+3	**0**	-	-	-
Total demand	**1,190**	**1,109**	**1,036**	**1,120**	**1,075**	**1,332**	**1,364**	**1,364**	**1,415**	**1,229**	**1,204**	**892**	**805**	**753**
Transformation	**287**	**189**	**202**	**313**	**331**	**530**	**568**	**568**	**688**	**483**	**567**	**426**	**384**	**358**
Coke manufacture	50	24	14	9	-	-	-	-	-	-	-	-	-	-
Blast furnaces	237	165	188	304	331	530	568	568	688	483	567	426	384	358
Energy industry use	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Final consumption	**903**	**920**	**834**	**807**	**744**	**802**	**827**	**796**	**727**	**747**	**638**	**466**	**421**	**395**
Industry	**903**	**920**	**834**	**807**	**744**	**802**	**827**	**796**	**727**	**747**	**638**	**466**	**421**	**395**
Unclassified	81	33	41	16	44	7	39	14	26	13	16	7	4	7
Iron and steel	822	887	793	791	700	795	788	782	701	734	621	460	416	388
Stocks at end of year *(3)*	**189**	**229**	**207**	**199**	**213**	**296**	**359**	**418**	**394**	**473**	**553**	**246**	**279**	**210**
Other manufactured solid fuels														
Supply														
Production	616	635	537	487	431	392	318	258	260	227	302	303	318	289
Imports	10	6	14	8	17	5	5	6	10	13	16	6	10	21
Exports	-56	-54	-79	-75	-67	-55	-39	-15	-12	-7	-25	-31	-35	-32
Stock change *(1)*	-74	-7	38	37	+14	-	+22	+6	+2	+2	+6	-10	+13	-13
Total supply	**496**	**580**	**510**	**457**	**394**	**342**	**305**	**254**	**260**	**235**	**299**	**268**	**306**	**265**
Statistical difference *(2)*	-148	-5	-22	-38	-29	-20	-14	-2	+3	+0	+4	-1	-5	-4
Total demand	**644**	**585**	**532**	**495**	**424**	**363**	**320**	**256**	**257**	**235**	**294**	**269**	**311**	**270**
Transformation	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Energy industry use	**14**	**13**	**11**	**12**	**10**	**4**	**4**	-	-	-	-	-	-	-
Patent fuel manufacture	14	13	11	12	10	4	4	-	-	-	-	-	-	-
Final consumption	**630**	**572**	**521**	**483**	**414**	**358**	**316**	**256**	**257**	**235**	**294**	**269**	**311**	**270**
Industry	**32**	**18**	**25**	**37**	**22**	**17**	**12**	-	-	-	-	-	-	-
Unclassified	32	18	25	37	22	17	12	-	-	-	-	-	-	-
Other	**598**	**554**	**496**	**446**	**392**	**341**	**303**	**256**	**257**	**235**	**294**	**269**	**311**	**270**
Domestic	598	554	496	446	392	341	303	256	257	235	294	269	311	270
Stocks at end of year *(3)*	**134**	**141**	**103**	**66**	**52**	**51**	**30**	**24**	**25**	**27**	**24**	**33**	**18**	**32**

(1) Stock fall (+), stock rise (-).
(2) Total supply minus total demand.
(3) Producers stocks and distributed stocks.
(4) See paragraph 2.29.

Supply and consumption of coke oven gas, blast furnace gas, benzole and tars

GWh

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Coke oven gas														
Supply														
Production	13,126	12,090	12,661	11,516	9,549	9,564	9,076	9,290	9,825	9,651	9,410	7,956	8,822	8,845
Imports	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Transfers *(1)*	+630	+528	+460	+68	+104	+86	+40	+53	+57	+81	+71	+366	+274	+62
Total supply	**13,756**	**12,618**	**13,121**	**11,584**	**9,653**	**9,650**	**9,116**	**9,343**	**9,882**	**9,732**	**9,481**	**8,322**	**9,096**	**8,907**
Statistical difference *(2)*	+127	-210	-264	+141	+64	+36	+65	+64	+76	+47	-8	-62	-62	-62
Total demand	**13,629**	**12,828**	**13,385**	**11,443**	**9,589**	**9,614**	**9,051**	**9,279**	**9,806**	**9,685**	**9,489**	**8,383**	**9,158**	**8,969**
Transformation	**1,963**	**3,748**	**3,797**	**3,365**	**2,973**	**2,909**	**1,944**	**2,625**	**2,593**	**2,671**	**2,681**	**3,044**	**2,984**	**3,019**
Electricity generation	1,963	1,999	1,987	1,490	1,486	1,854	1,526	2,207	2,175	2,253	2,263	2,626	2,566	2,601
Heat generation	-	1,749	1,810	1,875	1,486	1,055	418	418	418	418	418	418	418	418
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Energy industry use	**6,855**	**6,522**	**6,748**	**6,053**	**5,321**	**5,630**	**5,273**	**5,064**	**5,300**	**5,170**	**5,117**	**4,471**	**4,235**	**4,300**
Coke manufacture	5,690	5,283	5,555	4,720	4,270	4,466	4,326	4,321	4,282	4,228	4,349	3,888	3,861	3,832
Blast furnaces	1,165	1,239	1,193	1,333	1,051	1,164	948	743	1,019	942	768	583	374	469
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Losses	**335**	**173**	**325**	**231**	**387**	**457**	**783**	**441**	**483**	**445**	**413**	**75**	**617**	**758**
Final consumption	**4,476**	**2,385**	**2,515**	**1,794**	**909**	**618**	**1,050**	**1,149**	**1,430**	**1,399**	**1,278**	**794**	**1,321**	**891**
Industry	**4,476**	**2,385**	**2,515**	**1,794**	**909**	**618**	**1,050**	**1,149**	**1,430**	**1,399**	**1,278**	**794**	**1,321**	**891**
Unclassified	116	72	200	367	40	53	265	236	194	221	207	230	198	200
Iron and steel	4,360	2,313	2,315	1,427	869	565	785	913	1,236	1,178	1,071	564	1,123	691
Blast furnace gas														
Supply														
Production	20,114	19,023	17,743	14,767	13,130	15,790	15,770	16,199	16,443	16,701	15,345	11,199	11,404	10,503
Imports	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Transfers *(1)*	-22	-22	-17	-3	-4	-3	-2	-2	-2	-3	-3	-15	-11	-2
Total supply	**20,092**	**19,001**	**17,726**	**14,764**	**13,125**	**15,787**	**15,768**	**16,197**	**16,441**	**16,698**	**15,342**	**11,184**	**11,393**	**10,501**
Statistical difference *(2)*	+291	-142	-103	-100	-92	-106	-103	-107	-119	-113	-110	-66	-71	-70
Total demand	**19,801**	**19,143**	**17,829**	**14,864**	**13,218**	**15,893**	**15,872**	**16,304**	**16,560**	**16,811**	**15,452**	**11,250**	**11,464**	**10,571**
Transformation	**8,512**	**9,585**	**9,089**	**6,025**	**5,843**	**9,301**	**9,370**	**9,490**	**9,249**	**9,102**	**7,900**	**6,531**	**5,444**	**5,462**
Electricity generation	8,512	8,476	8,470	5,493	5,422	9,002	9,191	9,310	9,070	8,922	7,721	6,352	5,265	5,283
Heat generation	-	1,109	619	532	422	299	179	179	179	179	179	179	179	179
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Energy industry use	**6,578**	**6,219**	**6,034**	**4,709**	**4,095**	**4,771**	**4,570**	**4,474**	**4,831**	**5,082**	**4,759**	**3,657**	**3,674**	**3,370**
Coke manufacture	1,085	1,083	1,057	649	510	432	297	285	536	703	639	506	732	657
Blast furnaces	5,493	5,136	4,977	4,060	3,585	4,339	4,273	4,189	4,294	4,379	4,121	3,151	2,943	2,713
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Losses	**1,474**	**1,723**	**1,592**	**965**	**648**	**1,398**	**1,557**	**2,014**	**1,578**	**2,071**	**2,332**	**724**	**1,335**	**993**
Final consumption	**3,237**	**1,616**	**1,114**	**3,165**	**2,632**	**423**	**375**	**326**	**902**	**557**	**461**	**337**	**1,010**	**746**
Industry	**3,237**	**1,616**	**1,114**	**3,165**	**2,632**	**423**	**375**	**326**	**902**	**557**	**461**	**337**	**1,010**	**746**
Unclassified	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron and steel	3,237	1,616	1,114	3,165	2,632	423	375	326	902	557	461	337	1,010	746
Benzole and tars *(3)*														
Supply														
Production	2,542	2,343	2,393	2,115	1,781	1,773	1,722	1,749	1,873	1,838	1,816	1,536	1,696	1,657
Final consumption *(4)*	**2,542**	**2,343**	**2,393**	**2,115**	**1,781**	**1,773**	**1,722**	**1,749**	**1,873**	**1,838**	**1,816**	**1,536**	**1,696**	**1,657**
Unclassified	617	580	2,393	2,115	1,781	1,773	1,722	1,749	1,873	1,838	1,816	-	-	-
Iron and steel	1,925	1,763	-	-	-	-	-	-	-	-	-	-	-	-
Non energy use	-	-	-	-	-	-	-	-	-	-	-	1,536	1,696	1,657

(1) To and from synthetic coke oven gas, see paragraph 2.53.
(2) Total supply minus total demand.
(3) Because of the small number of benzole suppliers, figures for benzole and tars cannot be given separately.
(4) From 2000, Iron and steel under final consumption has been reclassified due to additional information being received.

Commodity balances 2011[(1)]

Primary oil

Thousand tonnes

	Crude oil	Ethane	Propane	Butane	Condensate	Total NGL	Feedstock	Total primary oil
Supply								
Production	48,571	599	1,047	768	987	3,401	-	51,972
Other sources	-	-	-	-	-	-	-	-
Imports	49,649	243	338	214	511	1,305	7,139	58,092
Exports	-28,286	-7	-574r	-304r	-546r	-1,431r	-3,908	-33,625r
Marine bunkers	-	-	-	-	-	-	-	-
Stock change (2)	+533	..	..	..	..	+10	+67	+611
Transfers (3)	-	-834	-807r	-316r	-298r	-2,255r	+19	-2,235r
Total supply	**70,467**	..	..	..	..	**1,031r**	**3,317**	**74,815r**
Statistical difference (4)(5)	-224	..	..	..	..	-13r	-27	-265r
Total demand (5)	**70,691**	..	..	..	..	**1,044**	**3,345**	**75,080**
Transformation	**70,691**	**..**	**..**	**..**	**..**	**1,044**	**3,345**	**75,080**
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Heat generation	-	-	-	-	-	-	-	-
Petroleum refineries	70,691	..	..	..	..	1,044	3,345	75,080
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-	-	-
Oil & gas extraction	-	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-	-	-
Coal extraction	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

(1) As there is no use made of primary oils and feedstocks by industries other than the oil and gas extraction and petroleum refining industries, other industry headings have not been included in this table. As such, this table is a summary of the activity of what is known as the Upstream oil industry.
(2) Stock fall (+), stock rise (-).
(3) Transfers direct from the source to the petrochemical sector.
(4) Total supply minus total demand.
(5) Figures for total demand for the individual NGLs (and thus for the statistical differences as well) are not available.

Commodity balances 2010[(1)]

Primary oil

Thousand tonnes

	Crude oil	Ethane	Propane	Butane	Condensate	Total NGL	Feedstock	Total primary oil
Supply								
Production	58,047	866	1,479	1,159	1,412	4,915	-	62,962
Other sources	-	-	-	-	-	-	-	-
Imports	47,497	159	203	123	449	934	6,633	55,064
Exports	-36,986	-9	-881r	-387r	-845	-2,121r	-2,957r	-42,064r
Marine bunkers	-	-	-	-	-	-	-	-
Stock change *(2)*	+166	..	..	..	..	+56	-261	-39
Transfers	-	-1,005	-785r	-392r	-258	-2,440r	+71r	-2,370r
Total supply	**68,724**	..	..	..	..	**1,343**	**3,486r**	**73,553r**
Statistical difference *(3)(4)*	+12	..	..	..	..	-2	-0r	+10r
Total demand *(4)*	**68,711**	..	..	..	..	**1,345**	**3,486**	**73,543**
Transformation *(4)*	**68,711**	**..**	**..**	**..**	**..**	**1,345**	**3,486**	**73,543**
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Heat generation	-	-	-	-	-	-	-	-
Petroleum refineries	68,711	..	..	..	..	1,345	3,486	73,543
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-	-	-
Oil & gas extraction	-	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-	-	-
Coal extraction	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

(1) As there is no use made of primary oils and feedstocks by industries other than the oil and gas extraction and petroleum refining industries, other industry headings have not been included in this table. As such, this table is a summary of the activity of what is known as the Upstream oil industry.
(2) Stock fall (+), stock rise (-).
(3) Total supply minus total demand.
(4) Figures for total demand for the individual NGLs (and thus for the statistical differences as well) are not available.

Commodity balances 2009[(1)]

Primary oil

Thousand tonnes

	Crude oil	Ethane	Propane	Butane	Condensate	Total NGL	Feedstock	Total primary oil
Supply								
Production	62,820	999	1,692	1,284	1,403	5,378	-	68,199
Other sources	-	-	-	-	-	-	-	-
Imports	47,104	155	198	113	662r	1,128r	6,771	55,002r
Exports	-39,446	-9	-963r	-548r	-743	-2,263r	-3,641	-45,351r
Marine bunkers	-	-	-	-	-	-	-	-
Stock change *(2)*	+393	..	..	..	..	-30	+182	+545
Transfers	-	-1,139	-859r	-411r	-318	-2,726r	+16	-2,710r
Total supply	**70,870**	..	..	..	..	**1,487r**	**3,329**	**75,685r**
Statistical difference *(3)(4)*	+155	..	..	..	..	-8r	-11	+135r
Total demand *(4)*	**70,716**	..	..	..	..	**1,495r**	**3,340**	**75,551r**
Transformation *(4)*	**70,716**	**..**	**..**	**..**	**..**	**1,495r**	**3,340**	**75,551r**
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Heat generation	-	-	-	-	-	-	-	-
Petroleum refineries	70,716	..	..	..	..	1,495r	3,340	75,551r
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-	-	-
Oil & gas extraction	-	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-	-	-
Coal extraction	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

(1) As there is no use made of primary oils and feedstocks by industries other than the oil and gas extraction and petroleum refining industries, other industry headings have not been included in this table. As such, this table is a summary of the activity of what is known as the Upstream oil industry.
(2) Stock fall (+), stock rise (-).
(3) Total supply minus total demand.
(4) Figures for total demand for the individual NGLs (and thus for the statistical differences as well) are not available.

Commodity balances 2008[(1)]

Primary oil

Thousand tonnes

	Crude oil	Ethane	Propane	Butane	Condensate	Total NGL	Feedstock	Total primary oil
Supply								
Production	65,497	1,202	1,953	1,439	1,698r	6,292r	-	71,789r
Other sources	-	-	-	-	-	-	-	-
Imports	51,466	180	223	124	415	942	7,926	60,335
Exports	-41,504	-12	-1,277r	-609r	-975	-2,873r	-3,858	-48,235r
Marine bunkers	-	-	-	-	-	-	-	-
Stock change *(2)*	+261	..	..	..	..	-112r	-86	+63r
Transfers	-	-1,328	-819	-506	-312	-2,966r	+208	-2,758r
Total supply	**75,720**	..	..	..	..	**1,284r**	**4,190**	**81,194r**
Statistical difference *(3)(4)*	-124	..	..	..	..	+12r	+272	+160r
Total demand *(4)*	**75,844**	..	..	..	..	**1,271r**	**3,918**	**81,034r**
Transformation *(4)*	**75,844**	**..**	**..**	**..**	**..**	**1,271**	**3,918**	**81,034**
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Heat generation	-	-	-	-	-	-	-	-
Petroleum refineries	75,844	..	..	..	..	1,271	3,918	81,034
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-	-	-
Oil & gas extraction	-	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-	-	-
Coal extraction	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

(1) As there is no use made of primary oils and feedstocks by industries other than the oil and gas extraction and petroleum refining industries, other industry headings have not been included in this table. As such, this table is a summary of the activity of what is known as the Upstream oil industry.
(2) Stock fall (+), stock rise (-).
(3) Total supply minus total demand.
(4) Figures for total demand for the individual NGLs (and thus for the statistical differences as well) are not available.

Commodity balances 2007[(1)]

Primary oil

Thousand tonnes

	Crude oil	Ethane	Propane	Butane	Condensate	Total NGL	Feedstock	Total primary oil
Supply								
Production	70,357	1,153	1,796	1,412	1,858	6,218	-	76,575
Other sources	-	-	-	-	-	-	-	-
Imports	49,893	62	84	50	61	257	7,206	57,357
Exports	-45,129	-13	-836	-548	-1,186	-2,584	-3,287	-50,999
Marine bunkers	-	-	-	-	-	-	-	-
Stock change *(2)*	+650	..	..	..	..	+9	+125	+784
Transfers	-	-1,203	-861	-362	-328	-2,754	+547	-2,207
Total supply	**75,772**	..	..	..	..	**1,146**	**4,591**	**81,509**
Statistical difference *(3)(4)*	+66	..	..	..	..	-6	-28	32
Total demand *(4)*	**75,707**	..	..	..	..	**1,152**	**4,619**	**81,477**
Transformation *(4)*	**75,707**	**..**	**..**	**..**	**..**	**1,152**	**4,619**	**81,477**
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Heat generation	-	-	-	-	-	-	-	-
Petroleum refineries	75,707	..	..	..	..	1,152	4,619	81,477
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-	-	-
Oil & gas extraction	-	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-	-	-
Coal extraction	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

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Commodity balances 2006[(1)]

Primary oil

Thousand tonnes

	Crude oil	Ethane	Propane	Butane	Condensate	Total NGL	Feedstock	Total primary oil
Supply								
Production	69,665	1,281	1,947	1,542	2,143	6,913	-	76,578
Other sources	-	-	-	-	-	-	-	-
Imports	51,446	-	-	-	-	-	7,997	59,443
Exports	-44,923	-17	-891	-488	-1,232	-2,628	-2,643	-50,195
Marine bunkers	-	-	-	-	-	-	-	-
Stock change *(2)*	-354	..	..	..	..	-79	+78	-355
Transfers	-	-1,264	-848	-484	-427	-3,024	+683	-2,341
Total supply	**75,834**	..	..	..	..	**1,182**	**6,115**	**83,130**
Statistical difference *(3)(4)*	-10	..	..	..	..	+12	-85	-83
Total demand *(4)*	**75,844**	..	..	..	..	**1,169**	**6,200**	**83,213**
Transformation *(4)*	**75,844**	**..**	**..**	**..**	**..**	**1,169**	**6,200**	**83,213**
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Heat generation	-	-	-	-	-	-	-	-
Petroleum refineries	75,844	..	..	..	..	1,169	6,200	83,213
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-	-	-
Oil & gas extraction	-	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-	-	-
Coal extraction	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

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Commodity balances 2005[(1)]

Primary oil

Thousand tonnes

	Crude oil	Ethane	Propane	Butane	Condensate	Total NGL	Feedstock	Total primary oil
Supply								
Production	77,179	1,414	2,181	1,648	2,300	7,543	-	84,721
Other sources	-	-	-	-	-	-	-	-
Imports	52,210	-	-	-	-	-	6,675	58,885
Exports	-48,879	-14	-1,204	-760	-1,249	-3,227	-1,992	-54,099
Marine bunkers	-	-	-	-	-	-	-	-
Stock change *(2)*	-277	..	..	..	..	+73	-180	-385
Transfers	-	-1,398	-857	-500	-632	-3,387	+332	-3,054
Total supply	**80,233**	..	..	..	..	**1,001**	**4,835**	**86,069**
Statistical difference *(3)(4)*	+12	..	..	..	..	+8	-85	-65
Total demand *(4)*	**80,221**	..	..	..	..	**993**	**4,920**	**86,134**
Transformation *(4)*	**80,221**	**..**	**..**	**..**	**..**	**993**	**4,920**	**86,134**
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Heat generation	-	-	-	-	-	-	-	-
Petroleum refineries	80,221	..	..	..	..	993	4,920	86,134
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Electricity generation		-	-	-	-	-	-	-
Oil & gas extraction	-	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-	-	-
Coal extraction	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

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Commodity balances 2004*(1)*

Primary oil

Thousand tonnes

	Crude oil	Ethane	Propane	Butane	Condensate	Total NGL	Feedstock	Total primary oil
Supply								
Production	87,516	1,473	2,441	1,863	2,081	7,858	-	95,374
Other sources	-	-	-	-	-	-	-	-
Imports	55,858	-	-	-	-	-	6,659	62,517
Exports	-60,724	-10	-1,265	-639	-774	-2,688	-1,091	-64,504
Marine bunkers	-	-	-	-	-	-	-	-
Stock change *(2)*	-136	..	..	..	..	-53	+55	-133
Transfers	-	-1,417	-828	-645	-835	-3,724	+181	-3,543
Total supply	**82,514**	..	..	..	..	**1,392**	**5,804**	**89,710**
Statistical difference *(3)(4)*	+341	..	..	..	..	+35	-487	-110
Total demand *(4)*	**82,173**	..	..	..	..	**1,357**	**6,291**	**89,821**
Transformation *(4)*	**82,173**	**..**	**..**	**..**	**..**	**1,357**	**6,291**	**89,821**
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Heat generation	-	-	-	-	-	-	-	-
Petroleum refineries	82,173	..	..	..	..	1,357	6,291	89,821
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-	-	-
Oil & gas extraction	-	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-	-	-
Coal extraction	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

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Commodity balances 2003(1)

Primary oil

Thousand tonnes

	Crude oil	Ethane	Propane	Butane	Condensate	Total NGL	Feedstock	Total primary oil
Supply								
Production	97,835	1,531	2,578	1,999	2,130	8,238	-	106,073
Other sources	-	-	-	-	-	-	-	-
Imports	48,589	-	-	-	-	-	5,588	54,177
Exports	-68,823	-24	-1,785	-917	-978	-3,703	-2,372	-74,898
Marine bunkers	-	-	-	-	-	-	-	-
Stock change *(2)*	+486	..	..	..	..	-5	-11	+469
Transfers	-	-1,509	-628	-524	-	-2,661	+1,653	-1,008
Total supply	**78,086**	..	..	..	..	**1,869**	**4,859**	**84,814**
Statistical difference *(3)(4)*	+778	..	..	..	..	+596	-1,145	+229
Total demand *(4)*	**77,309**	..	..	..	..	**1,273**	**6,004**	**84,585**
Transformation *(4)*	**77,309**	**..**	**..**	**..**	**..**	**1,273**	**6,004**	**84,585**
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Heat generation	-	-	-	-	-	-	-	-
Petroleum refineries	77,309	..	..	..	..	1,273	6,004	84,585
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-	-	-
Oil & gas extraction	-	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-	-	-
Coal extraction	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

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Commodity balances 2002(1)

Primary oil

Thousand tonnes

	Crude oil	Ethane	Propane	Butane	Condensate	Total NGL	Feedstock	Total primary oil
Supply								
Production	107,430	1,596	2,728	2,071	2,118	8,514	-	115,944
Other sources	-	-	-	-	-	-	-	-
Imports	52,042	-	-	-	-	-	4,926	56,968
Exports	-81,198	-10	-1,909	-888	-1,022	-3,830	-2,116	-87,144
Marine bunkers	-	-	-	-	-	-	-	-
Stock change *(2)*	+33	..	..	..	..	+34	+75	+143
Transfers	-	-1,578	-670	-1,046	-	-3,294	+1,739	-1,555
Total supply	**78,306**	..	..	..	..	**1,424**	**4,625**	**84,356**
Statistical difference *(3)(4)*	+506	..	..	..	..	-143	-791	-428
Total demand *(4)*	**77,801**	..	..	..	..	**1,567**	**5,416**	**84,784**
Transformation *(4)*	**77,801**	**..**	**..**	**..**	**..**	**1,567**	**5,416**	**84,784**
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Heat generation	-	-	-	-	-	-	-	-
Petroleum refineries	77,801	..	..	..	..	1,567	5,416	84,784
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-	-	-
Oil & gas extraction	-	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-	-	-
Coal extraction	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

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Commodity balances 2001 *(1)*

Primary oil

Thousand tonnes

	Crude oil	Ethane	Propane	Butane	Condensate	Total NGL	Feedstock	Total primary oil
Supply								
Production	108,387	1,599	2,718	1,962	2,012	8,292	-	116,678
Other sources	-	-	-	-	-	-	-	-
Imports	48,992	-	-	-	-	-	4,559	53,551
Exports	-80,919	-11	-1,748	-961	-802	-3,522	-2,489	-86,930
Marine bunkers	-	-	-	-	-	-	-	-
Stock change *(2)*	-1,045	..	..	..	..	+17	+414	-614
Transfers	-	-1,587	-967	-1,020	-	-3,575	+4,328	+753
Total supply	**75,415**	..	..	..	..	**1,212**	**6,812**	**83,438**
Statistical difference *(3)(4)*	-495	..	..	..	..	-322	+913	+96
Total demand *(4)*	**75,910**	..	..	..	..	**1,534**	**5,899**	**83,343**
Transformation *(4)*	**75,910**	**..**	**..**	**..**	**..**	**1,534**	**5,899**	**83,343**
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Heat generation	-	-	-	-	-	-	-	-
Petroleum refineries	75,910	..	..	..	..	1,534	5,899	83,343
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-	-	-
Oil & gas extraction *(2)(5)*	-	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-	-	-
Coal extraction	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

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Commodity balances 2000 *(1)*

Primary oil

Thousand tonnes

	Crude oil	Ethane	Propane	Butane	Condensate	Total NGL	Feedstock	Total primary oil
Supply								
Production	117,882	1,884	2,725	1,783	1,971	8,363	-	126,245
Other sources	-	-	-	-	-	-	-	-
Imports	48,868	-	-	-	-	-	5,519	54,386
Exports	-86,533	-18	-1,810	-942	-779	-3,549	-2,836	-92,917
Marine bunkers	-	-	-	-	-	-	-	-
Stock change *(2)*	+1,171	..	..	..	..	-17	-56	+1,098
Transfers	-	-1,411	-977	-995	-	-3,383	+3,493	+110
Total supply	**81,389**	..	..	..	..	**1,413**	**6,120**	**88,922**
Statistical difference *(3)(4)*	+698	..	..	..	..	-565	+480	+613
Total demand *(4)*	**80,691**	..	..	..	..	**1,978**	**5,640**	**88,308**
Transformation *(4)*	**80,691**	**..**	**..**	**..**	**..**	**1,683**	**5,640**	**88,013**
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Heat generation	-	-	-	-	-	-	-	-
Petroleum refineries	80,691	..	..	..	..	1,683	5,640	88,013
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use	**-**	**294**	**1**	**-**	**-**	**295**	**-**	**295**
Electricity generation	-	-	-	-	-	-	-	-
Oil & gas extraction *(5)*	-	294	1	-	-	295	-	295
Petroleum refineries	-	-	-	-	-	-	-	-
Coal extraction	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

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Commodity balances 1999(1)

Primary oil

Thousand tonnes

	Crude oil	Ethane	Propane	Butane	Condensate	Total NGL	Feedstock	Total primary oil
Supply								
Production	128,262	2,022	2,853	2,005	1,957	8,837	-	137,099
Other sources	-	-	-	-	-	-	-	-
Imports	39,321	-	-	-	-	-	5,548	44,869
Exports	-85,052	-36	-1,980	-1,154	-700	-3,870	-2,875	-91,797
Marine bunkers	-	-	-	-	-	-	-	-
Stock change *(2)*	-347	..	..	..	..	+17	+132	-198
Transfers	-	-1,527	-865	-931	-	-3,323	+2,105	-1,218
Total supply	**82,184**	..	..	..	..	**1,661**	**4,910**	**88,755**
Statistical difference *(3)(4)*	+636	..	..	..	..	+42	-532	+146
Total demand *(4)*	**81,548**	..	..	..	..	**1,619**	**5,442**	**88,609**
Transformation *(4)*	**81,548**	**..**	**..**	**..**	**..**	**1,296**	**5,442**	**88,286**
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Heat generation	-	-	-	-	-	-	-	-
Petroleum refineries	81,548	..	..	..	..	1,296	5,442	88,286
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use	**-**	**316**	**7**	**-**	**-**	**323**	**-**	**323**
Electricity generation	-	-	-	-	-	-	-	-
Oil & gas extraction *(5)*	-	316	7	-	-	323	-	323
Petroleum refineries	-	-	-	-	-	-	-	-
Coal extraction	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

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Commodity balances 1998[(1)]

Primary oil

Thousand tonnes

	Crude oil	Ethane	Propane	Butane	Condensate	Total NGL	Feedstock	Total primary oil
Supply								
Production	124,222	1,646	3,031	2,000	1,734	8,411	-	132,633
Other sources	-	-	-	-	-	-	-	-
Imports	39,460	-	-	-	-	-	8,498	47,958
Exports	-79,651	-40	-1,842	-856	-640	-3,378	-1,581	-84,610
Marine bunkers	-	-	-	-	-	-	-	-
Stock change *(2)*	-622	..	..	..	..	-29	+58	-593
Transfers	-	-1,215	-1,071	-1,171	-	-3,457	+1,255	-2,202
Total supply	**83,409**	..	..	..	..	**1,547**	**8,230**	**93,186**
Statistical difference *(3)(4)*	-1,101	..	..	..	..	-163	+300	-964
Total demand *(4)*	**84,510**	..	..	..	..	**1,710**	**7,930**	**94,150**
Transformation *(4)*	**84,510**	**..**	**..**	**..**	**..**	**1,357**	**7,930**	**93,797**
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Petroleum refineries	84,510	..	..	..	..	1,357	7,930	93,797
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use	**-**	**301**	**39**	**13**	**-**	**353**	**-**	**353**
Electricity generation	-	-	-	-	-	-	-	-
Oil & gas extraction *(4)*	-	301	39	13	-	353	-	353
Oil & gas extraction *(5)*	-	-	-	-	-	-	-	-
Coal extraction	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

(1) As there is no use made of primary oils and feedstocks by industries other than the oil and gas extraction and
(1) As there is no use made of primary oils and feedstocks by industries other than the oil and gas extraction and petroleum refining industries, other industry headings have not been included in this table. As such, this table is a summary of the activity of what is known as the Upstream oil industry.
(2) Stock fall (+), stock rise (-).
(3) Total supply minus total demand.
(4) Figures for total demand for the individual NGLs (and thus for the statistical differences as well) are not available.

Commodity balances 2011

Petroleum products

Thousand tonnes

	Ethane	Propane	Butane	Other gases	Naphtha	Aviation spirit	Motor spirit	White Spirit & SBP	Aviation turbine fuel
Supply									
Production	-	1,645	953	3,018	2,526r	-	18,823r	65	6,411
Other sources	834	807r	316r	-	298r	-	-	-	-
Imports	-	158	31	-	459	20	3,259	97	6,881
Exports	-	-545	-276	-	-1,102	-	-9,363	-20	-1,210
Marine bunkers	-	-	-	-	-	-	-	-	-
Stock change *(2)*	-	-4	-7	-0	30	1	39	1	-28
Transfers	-	-	28	24	-1,158r	-0	1,124r	-1	-491
Total supply	**834**	**2,061r**	**1,045r**	**3,042**	**1,051r**	**21**	**13,881**	**143**	**11,562**
Statistical difference *(3)*	**-**	**18r**	**11r**	**0**	**-10**	**0**	**-13**	**-0**	**-11**
Total demand	**834**	**2,043r**	**1,034r**	**3,042**	**1,061r**	**21**	**13,895**	**143**	**11,574**
Transformation	**-**	**13**	**-**	**289**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	289	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	289	-	-	-	-	-
Heat generation	-	13	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Energy industry use	**-**	**-**	**-**	**2,584**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-	-	-	-
Oil & gas extraction	-	-	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	2,584	-	-	-	-	-
Coal extraction	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Final consumption	**834**	**2,031**	**1,034r**	**169**	**1,061r**	**21**	**13,895**	**143**	**11,574**
Industry	**-**	**311**	**328**	**-**	**92**	**-**	**-**	**-**	**-**
Unclassified	-	311	328	-	92	-	-	-	-
Iron & steel	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-
Mineral products	-	-	-	-	-	-	-	-	-
Chemicals	-	-	-	-	-	-	-	-	-
Mechanical engineering, etc	-	-	-	-	-	-	-	-	-
Electrical engineering, etc	-	-	-	-	-	-	-	-	-
Vehicles	-	-	-	-	-	-	-	-	-
Food, beverages, etc	-	-	-	-	-	-	-	-	-
Textiles, leather, etc	-	-	-	-	-	-	-	-	-
Paper, printing etc	-	-	-	-	-	-	-	-	-
Other industries	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Transport	**-**	**98**	**-**	**-**	**-**	**21**	**13,895**	**-**	**11,574**
Air	-	-	-	-	-	21	-	-	11,574
Rail	-	-	-	-	-	-	-	-	-
Road	-	98	-	-	-	-	13,895	-	-
National navigation	-	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-	-
Other	**-**	**360**	**27**	**-**	**-**	**-**	**-**	**-**	**-**
Domestic	-	259	26	-	-	-	-	-	-
Public administration	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-
Agriculture	-	101	0	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-	-	-
Non energy use *(4)*	**834**	**1,261**	**679r**	**169**	**969r**	**-**	**-**	**143**	**-**

(1) Includes marine diesel oil.
(2) Stock fall (+), stock rise (-).
(3) Total supply minus total demand.
(4) For further details on non-energy usage see paragraphs 3.38 and 3.39

Commodity balances 2011 (continued)

Petroleum products

Thousand tonnes

Burning oil	DERV	Gas Oil [1]	Fuel oils	Lubri -cants	Bitu -men	Petroleum coke	Misc. products	Total Products	
									Supply
2,377	16,801	8,683	7,907	430	1,476	2,180	1,412	74,707	Production
-	-	-	-	-	-	-	-	2,255r	Other sources
618	7,736	1,245	808	508	206	496	134	22,656	Imports
-173	-3,127	-4,667	-5,140	-487	-151	-652	-887	-27,800	Exports
-	-	-990	-2,139	-	-	-	-	-3,130	Marine bunkers
-2	83	43	-15	48	4	-16	12	188	Stock change *(2)*
441	-498	444	-12	2	96	55	-73	-19	Transfers
3,260	**20,994**	**4,757**	**1,410**	**502**	**1,630**	**2,064**	**598**	**68,857r**	**Total supply**
-28	**3**	**37**	**-5**	**10**	**10**	**0**	**6**	**28r**	**Statistical difference *(3)***
3,288	**20,991**	**4,721r**	**1,415**	**491**	**1,621**	**2,064**	**592**	**68,829r**	**Total demand**
-	**-**	**63**	**380**	**-**	**-**	**139**	**-**	**883**	**Transformation**
-	-	57	328	-	-	48	-	722	Electricity generation
-	-	38	256	-	-	48	-	342	Major power producers
-	-	19	72	-	-	-	-	380	Autogenerators
-	-	6	52	-	-	-	-	71	Heat generation
-	-	-	-	-	-	-	-	-	Petroleum refineries
-	-	-	-	-	-	-	-	-	Coke manufacture
-	-	-	-	-	-	-	-	-	Blast furnaces
-	-	-	-	-	-	91	-	91	Patent fuel manufacture
-	-	-	-	-	-	-	-	-	Other
-	**-**	**533**	**476**	**-**	**-**	**1,526**	**-**	**5,118r**	**Energy industry use**
-	-	-	-	-	-	-	-	-	Electricity generation
-	-	533	-	-	-	-	-	533	Oil & gas extraction
-	-	-	476	-	-	1,526	-	4,586r	Petroleum refineries
-	-	-	-	-	-	-	-	-	Coal extraction
-	-	-	-	-	-	-	-	-	Coke manufacture
-	-	-	-	-	-	-	-	-	Blast furnaces
-	-	-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	-	-	Pumped storage
-	-	-	-	-	-	-	-	-	Other
-	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**Losses**
3,288	**20,991**	**4,125r**	**559**	**491**	**1,621**	**399**	**592**	**62,827r**	**Final Consumption**
1,314	**-**	**1,633**	**295**	**-**	**-**	**137**	**-**	**4,111**	**Industry**
1,314	-	1,027	64	-	-	137	-	3,274	Unclassified
-	-	0	4	-	-	-	-	4	Iron & steel
-	-	-	0	-	-	-	-	0	Non-ferrous metals
-	-	146	19	-	-	-	-	165	Mineral products
-	-	93	86	-	-	-	-	179	Chemicals
-	-	0	0	-	-	-	-	1	Mechanical engineering etc
-	-	0	0	-	-	-	-	0	Electrical engineering etc
-	-	113	15	-	-	-	-	127	Vehicles
-	-	44	90	-	-	-	-	135	Food, beverages etc
-	-	45	-	-	-	-	-	45	Textiles, leather, etc
-	-	28	-	-	-	-	-	28	Paper, printing etc
-	-	8	0	-	-	-	-	8	Other industries
-	-	128	17	-	-	-	-	145	Construction
-	**20,991**	**1,330**	**99**	**-**	**-**	**-**	**-**	**48,007r**	**Transport**
-	-	-	-	-	-	-	-	11,594	Air
-	-	600r	-	-	-	-	-	600r	Rail
-	20,991	-	-	-	-	-	-	34,984	Road
-	-	730	99	-	-	-	-	829	National navigation
-	-	-	-	-	-	-	-	-	Pipelines
1,973	**-**	**1,128**	**165**	**-**	**-**	**-**	**-**	**3,654**	**Other**
1,973	-	142	-	-	-	-	-	2,401	Domestic
-	-	273	68	-	-	-	-	340	Public administration
-	-	341	61	-	-	-	-	402	Commercial
-	-	153	16	-	-	-	-	271	Agriculture
-	-	219	21	-	-	-	-	240	Miscellaneous
-	**-**	**34**	**-**	**491**	**1,621**	**262**	**592**	**7,055r**	**Non energy use *(4)***

Commodity balances 2010

Petroleum products

Thousand tonnes

	Ethane	Propane	Butane	Other gases	Naphtha	Aviation spirit	Motor spirit	White Spirit & SBP	Aviation turbine fuel
Supply									
Production	-	1,607	640	3,085	2,440r	-	19,074r	66	5,781
Other sources	1,005	785r	392r	-	258r	-	-	-	-
Imports	-	162	199	-	672	23	2,874	181	7,352
Exports	-	-529	-203	-	-1,369	-	-8,619	-25	-1,487
Marine bunkers	-	-	-	-	-	-	-	-	-
Stock change *(2)*	-	-46	30	-	-2	2	291	1	116
Transfers	-	3	-	-	-955r	0	1,009r	-1	-647
Total supply	**1,005**	**1,983r**	**1,059r**	**3,085**	**1,044r**	**25**	**14,628**	**223**	**11,114**
Statistical difference *(3)*	**-**	**11r**	**0r**	**-1**	**7r**	**4**	**27**	**-1**	**-2**
Total demand	**1,005**	**1,973r**	**1,059r**	**3,087**	**1,037**	**21**	**14,602**	**224**	**11,116**
Transformation	**-**	**5**	**-**	**325**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	325	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	325	-	-	-	-	-
Heat generation	-	5	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Energy industry use	**-**	**0**	**0**	**2,568**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-	-	-	-
Oil & gas extraction	-	-	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	2,568	-	-	-	-	-
Coal extraction	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	0	0	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Final consumption	**1,005**	**1,967r**	**1,059r**	**194**	**1,037**	**21**	**14,602**	**224**	**11,116**
Industry	**-**	**183**	**362**	**-**	**156**	**-**	**-**	**-**	**-**
Unclassified	-	181	362	-	156	-	-	-	-
Iron & steel	-	1	0	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-
Mineral products	-	-	-	-	-	-	-	-	-
Chemicals	-	-	-	-	-	-	-	-	-
Mechanical engineering, etc	-	-	-	-	-	-	-	-	-
Electrical engineering, etc	-	-	-	-	-	-	-	-	-
Vehicles	-	-	-	-	-	-	-	-	-
Food, beverages, etc	-	-	-	-	-	-	-	-	-
Textiles, leather, etc	-	-	-	-	-	-	-	-	-
Paper, printing etc	-	-	-	-	-	-	-	-	-
Other industries	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Transport	**-**	**106**	**-**	**-**	**-**	**21**	**14,602**	**-**	**11,116**
Air	-	-	-	-	-	21	-	-	11,116
Rail	-	-	-	-	-	-	-	-	-
Road	-	106	-	-	-	-	14,602	-	-
National navigation	-	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-	-
Other	**-**	**469**	**45**	**-**	**-**	**-**	**-**	**-**	**-**
Domestic	-	349	45	-	-	-	-	-	-
Public administration	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-
Agriculture	-	120	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-	-	-
Non energy use *(4)*	**1,005**	**1,208r**	**652r**	**194**	**881**	**-**	**-**	**224**	**-**

(1) Includes marine diesel oil.
(2) Stock fall (+), stock rise (-).
(3) Total supply minus total demand.
(4) For further details on non-energy usage see paragraphs 3.38 and 3.39

Commodity balances 2010 (continued)

Petroleum products

Thousand tonnes

Burning oil	DERV	Gas Oil [1]	Fuel oils	Lubri -cants	Bitu -men	Petroleum coke	Misc. products	Total Products	
									Supply
2,570	15,332	9,505	7,525	412	1,276	2,106	1,557	72,977	Production
-	-	-	-	-	-	-	-	2,440r	Other sources
972	7,648	711	1,020	607	370	755	119	23,665	Imports
-191	-2,121	-4,358	-4,895	-421	-187	-686	-975	-26,065	Exports
-	-	-962	-1,845	-	-	-	-	-2,807	Marine bunkers
-5	61	95	115	-19	-88	51	-8	595	Stock change *(2)*
655	-180	55	-23	-1	19	-	-7	-71	Transfers
4,000	**20,741**	**5,045**	**1,898**	**578**	**1,390**	**2,227**	**687**	**70,734r**	**Total supply**
-12	**1**	**-14**	**6**	**-2**	**20**	**1**	**16**	**61r**	**Statistical difference *(3)***
4,012	**20,740**	**5,059**	**1,892**	**580**	**1,370**	**2,226**	**671**	**70,673r**	**Total demand**
-	**-**	**73**	**598**	**-**	**-**	**330**	**-**	**1,331**	**Transformation**
-	-	68	541	-	-	210	-	1,144	Electricity generation
-	-	45	411	-	-	210	-	666	Major power producers
-	-	22	131	-	-	-	-	478	Autogenerators
-	-	5	52	-	-	-	-	63	Heat generation
-	-	-	-	-	-	-	-	-	Petroleum refineries
-	-	-	-	-	-	-	-	-	Coke manufacture
-	-	-	4	-	-	-	-	4	Blast furnaces
-	-	-	-	-	-	120	-	120	Patent fuel manufacture
-	-	-	-	-	-	-	-	-	Other
-	**-**	**493**	**521**	**-**	**-**	**1,289**	**-**	**4,871**	**Energy industry use**
-	-	-	-	-	-	-	-	-	Electricity generation
-	-	493	-	-	-	-	-	493	Oil & gas extraction
-	-	-	521	-	-	1,289	-	4,378	Petroleum refineries
-	-	-	-	-	-	-	-	-	Coal extraction
-	-	-	-	-	-	-	-	-	Coke manufacture
-	-	-	-	-	-	-	-	0	Blast furnaces
-	-	-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	-	-	Pumped storage
-	-	-	-	-	-	-	-	-	Other
-	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**Losses**
4,012	**20,740**	**4,493**	**773**	**580**	**1,370**	**607**	**671**	**64,471r**	**Final Consumption**
1,489	**-**	**2,008**	**559**	**-**	**-**	**306**	**-**	**5,062r**	**Industry**
1,489	-	1,311	237	-	-	306	-	4,042r	Unclassified
-	-	0	4	-	-	-	-	6	Iron & steel
-	-	-	0	-	-	-	-	0	Non-ferrous metals
-	-	149	36	-	-	-	-	185	Mineral products
-	-	160	133	-	-	-	-	293	Chemicals
-	-	0	0	-	-	-	-	0	Mechanical engineering etc
-	-	-0	0	-	-	-	-	0	Electrical engineering etc
-	-	93	22	-	-	-	-	116	Vehicles
-	-	56	94	-	-	-	-	149	Food, beverages etc
-	-	43	-	-	-	-	-	43	Textiles, leather, etc
-	-	30	-	-	-	-	-	30	Paper, printing etc
-	-	50	5	-	-	-	-	54	Other industries
-	-	115	27	-	-	-	-	142	Construction
-	**20,740**	**1,384**	**98**	**-**	**-**	**-**	**-**	**48,068**	**Transport**
-	-	-	-	-	-	-	-	11,137	Air
-	-	606	-	-	-	-	-	606	Rail
-	20,740	-	-	-	-	-	-	35,448	Road
-	-	778	98	-	-	-	-	876	National navigation
-	-	-	-	-	-	-	-	-	Pipelines
2,523	**-**	**1,081**	**116**	**-**	**-**	**-**	**-**	**4,235**	**Other**
2,523	-	165	-	-	-	-	-	3,083	Domestic
-	-	255	35	-	-	-	-	290	Public administration
-	-	301	52	-	-	-	-	353	Commercial
-	-	147	11	-	-	-	-	278	Agriculture
-	-	213	18	-	-	-	-	230	Miscellaneous
-	**-**	**21**	**-**	**580**	**1,370**	**301**	**671**	**7,107r**	**Non energy use *(4)***

Commodity balances 2009

Petroleum products

Thousand tonnes

	Ethane	Propane	Butane	Other gases	Naphtha	Aviation spirit	Motor spirit	White Spirit & SBP	Aviation turbine fuel
Supply									
Production	-	1,544	569	2,932	2,507r	-	19,184r	61	6,022
Other sources	1,139	859r	411r	-	318	-	-	-	-
Imports	-	230	283	-	1,034	26	2,774	127	7,532
Exports	-	-530	-129	-	-1,570	-1	-7,811	-10	-1,451
Marine bunkers	-	-	-	-	-	-	-	-	-
Stock change *(2)*	-	1	13	-	83	-2	30	-5	-7
Transfers	-	-	-	-	-1,399r	-	1,418r	-	-485
Total supply	**1,139**	**2,104r**	**1,146r**	**2,932**	**973**	**23**	**15,595**	**174**	**11,612**
Statistical difference *(3)*	**-**	**7r**	**15**	**-3**	**-15**	**1**	**-17**	**-0**	**79**
Total demand	**1,139**	**2,097r**	**1,131r**	**2,936**	**988**	**22**	**15,613**	**174**	**11,533**
Transformation	**-**	**5**	**-**	**246**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	246	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	246	-	-	-	-	-
Heat generation	-	5	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Energy industry use	**-**	**-**	**-**	**2,484**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-	-	-	-
Oil & gas extraction	-	-	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	2,484	-	-	-	-	-
Coal extraction	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Final consumption	**1,139**	**2,092r**	**1,131r**	**206**	**988**	**22**	**15,613**	**174**	**11,533**
Industry	**-**	**368**	**206**	**-**	**11**	**-**	**-**	**-**	**-**
Unclassified	-	364	206	-	11	-	-	-	-
Iron & steel	-	4	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-
Mineral products	-	-	-	-	-	-	-	-	-
Chemicals	-	-	-	-	-	-	-	-	-
Mechanical engineering, etc	-	-	-	-	-	-	-	-	-
Electrical engineering, etc	-	-	-	-	-	-	-	-	-
Vehicles	-	-	-	-	-	-	-	-	-
Food, beverages, etc	-	-	-	-	-	-	-	-	-
Textiles, leather, etc	-	-	-	-	-	-	-	-	-
Paper, printing etc	-	-	-	-	-	-	-	-	-
Other industries	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Transport	**-**	**107**	**-**	**-**	**-**	**22**	**15,613**	**-**	**11,533**
Air	-	-	-	-	-	22	-	-	11,533
Rail	-	-	-	-	-	-	-	-	-
Road	-	107	-	-	-	-	15,613	-	-
National navigation	-	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-	-
Other	**-**	**376**	**33**	**-**	**-**	**-**	**-**	**-**	**-**
Domestic	-	278	33	-	-	-	-	-	-
Public administration	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-
Agriculture	-	98	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-	-	-
Non energy use *(4)*	**1,139**	**1,241r**	**892r**	**206**	**977**	**-**	**-**	**174**	**-**

(1) Includes marine diesel oil.
(2) Stock fall (+), stock rise (-).
(3) Total supply minus total demand.
(4) For further details on non-energy usage see paragraphs 3.38 and 3.39

Commodity balances 2009 (continued)

Petroleum products

Thousand tonnes

Burning oil	DERV	Gas Oil [1]	Fuel oils	Lubri -cants	Bitu -men	Petroleum coke	Misc. products	Total Products	
									Supply
2,830	15,908	9,487	8,641	530	1,338	2,070	1,204	74,828	Production
-	-	-	-	-	-	-	-	2,726r	Other sources
668	5,823	751	1,243	533	239	813	97	22,172	Imports
-241	-1,850	-4,183	-5,547	-590	-324	-548	-707	-25,491	Exports
-	-	-1,047	-2,259	-	-	-	-	-3,306	Marine bunkers
4	173	-15	82	10	-11	-60	24	320	Stock change *(2)*
487	-4	39	-74	-29	20	-	10	-16	Transfers
3,749	**20,049**	**5,032**	**2,085**	**455**	**1,262**	**2,274**	**627**	**71,233r**	**Total supply**
17	**-63**	**-3**	**-28**	**-55**	**-119**	**-0**	**54**	**-130r**	**Statistical difference *(3)***
3,732	**20,112**	**5,034**	**2,113**	**510**	**1,381**	**2,274**	**573**	**71,364r**	**Total demand**
-	**-**	**59**	**876**	**-**	**-**	**604**	**-**	**1,790**	**Transformation**
-	-	54	760	-	-	502	-	1,563	Electricity generation
-	-	42	584	-	-	502	-	1,128	Major power producers
-	-	13	176	-	-	-	-	435	Autogenerators
-	-	4	52	-	-	-	-	61	Heat generation
-	-	-	-	-	-	-	-	-	Petroleum refineries
-	-	-	-	-	-	-	-	-	Coke manufacture
-	-	-	64	-	-	-	-	64	Blast furnaces
-	-	-	-	-	-	103	-	103	Patent fuel manufacture
-	-	-	-	-	-	-	-	-	Other
-	**-**	**454**	**597**	**-**	**-**	**1,223**	**-**	**4,758**	**Energy industry use**
-	-	-	-	-	-	-	-	-	Electricity generation
-	-	454	-	-	-	-	-	454	Oil & gas extraction
-	-	-	597	-	-	1,223	-	4,304	Petroleum refineries
-	-	-	-	-	-	-	-	-	Coal extraction
-	-	-	-	-	-	-	-	-	Coke manufacture
-	-	-	-	-	-	-	-	-	Blast furnaces
-	-	-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	-	-	Pumped storage
-	-	-	-	-	-	-	-	-	Other
-	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**Losses**
3,732	**20,112**	**4,522**	**640**	**510**	**1,381**	**447**	**573**	**64,816r**	**Final Consumption**
1,462	**-**	**2,029**	**421**	**-**	**-**	**241**	**-**	**4,738**	**Industry**
1,462	-	1,353	205	-	-	241	-	3,842	Unclassified
-	-	-	3	-	-	-	-	7	Iron & steel
-	-	1	-	-	-	-	-	1	Non-ferrous metals
-	-	160	29	-	-	-	-	189	Mineral products
-	-	134	68	-	-	-	-	202	Chemicals
-	-	-	-	-	-	-	-	-	Mechanical engineering etc
-	-	-	-	-	-	-	-	-	Electrical engineering etc
-	-	84	15	-	-	-	-	99	Vehicles
-	-	107	81	-	-	-	-	187	Food, beverages etc
-	-	42	-	-	-	-	-	42	Textiles, leather, etc
-	-	31	-	-	-	-	-	31	Paper, printing etc
-	-	7	1	-	-	-	-	7	Other industries
-	-	111	20	-	-	-	-	131	Construction
-	**20,112**	**1,377**	**103**	**-**	**-**	**-**	**-**	**48,867**	**Transport**
-	-	-	-	-	-	-	-	11,555	Air
-	-	603	-	-	-	-	-	603	Rail
-	20,112	-	-	-	-	-	-	35,832	Road
-	-	775	103	-	-	-	-	878	National navigation
-	-	-	-	-	-	-	-	-	Pipelines
2,270	**-**	**1,063**	**115**	**-**	**-**	**-**	**-**	**3,858**	**Other**
2,270	-	131	-	-	-	-	-	2,712	Domestic
-	-	298	46	-	-	-	-	345	Public administration
-	-	283	51	-	-	-	-	334	Commercial
-	-	148	8	-	-	-	-	255	Agriculture
-	-	203	10	-	-	-	-	212	Miscellaneous
-	**-**	**52**	**-**	**510**	**1,381**	**207**	**573**	**7,353r**	**Non energy use *(4)***

Commodity balances 2008

Petroleum products

Thousand tonnes

	Ethane	Propane	Butane	Other gases	Naphtha	Aviation spirit	Motor spirit	White Spirit & SBP	Aviation turbine fuel
Supply									
Production	-	1,614	636	3,111	2,660r	-0	19,521r	55	6,549
Other sources	1,328	819r	506r	-	312r	-	-	-	-
Imports	-	224	548	-	634	22	3,221	89	7,961
Exports	-	-565	-495	-	-2,055	-2	-7,017	-4	-1,908
Marine bunkers	-	-	-	-	-	-	-	-	-
Stock change *(2)*	-	-	70	-	-6	1	5	5	-154
Transfers	-	-	-54	-	-802r	1	815r	-	-300
Total supply	**1,328**	**2,092r**	**1,211r**	**3,111**	**743r**	**22**	**16,545**	**144**	**12,148**
Statistical difference *(3)*	**-**	**-8r**	**-9r**	**-1**	**2r**	**-8**	**4**	**-0**	**6**
Total demand	**1,328**	**2,100r**	**1,220r**	**3,112**	**741r**	**30**	**16,542**	**145**	**12,142**
Transformation	**-**	**5**	**-**	**239**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	239	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	239	-	-	-	-	-
Heat generation	-	5	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Energy industry use	**-**	**1**	**-**	**2,743**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-	-	-	-
Oil & gas extraction	-	-	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	2,743	-	-	-	-	-
Coal extraction	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	1	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Final consumption	**1,328**	**2,095r**	**1,220r**	**131**	**741r**	**30**	**16,542**	**145**	**12,142**
Industry	**-**	**419**	**194**	**-**	**77**	**-**	**-**	**-**	**-**
Unclassified	-	414	193	-	77	-	-	-	-
Iron & steel	-	4	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-
Mineral products	-	-	-	-	-	-	-	-	-
Chemicals	-	-	-	-	-	-	-	-	-
Mechanical engineering, etc	-	-	-	-	-	-	-	-	-
Electrical engineering, etc	-	-	-	-	-	-	-	-	-
Vehicles	-	-	-	-	-	-	-	-	-
Food, beverages, etc	-	-	-	-	-	-	-	-	-
Textiles, leather, etc	-	-	-	-	-	-	-	-	-
Paper, printing etc	-	-	-	-	-	-	-	-	-
Other industries	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Transport	**-**	**125**	**-**	**-**	**-**	**30**	**16,542**	**-**	**12,142**
Air	-	-	-	-	-	30	-	-	12,142
Rail	-	-	-	-	-	-	-	-	-
Road	-	125	-	-	-	-	16,542	-	-
National navigation	-	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-	-
Other	**-**	**401**	**33**	**-**	**-**	**-**	**-**	**-**	**-**
Domestic	-	297	33	-	-	-	-	-	-
Public administration	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-
Agriculture	-	103	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-	-	-
Non energy use *(4)*	**1,328**	**1,151r**	**993r**	**131**	**664r**	**-**	**-**	**145**	**-**

(1) Includes marine diesel oil.
(2) Stock fall (+), stock rise (-).
(3) Total supply minus total demand.
(4) For further details on non-energy usage see paragraphs 3.38 and 3.39

Commodity balances 2008 (continued)

Petroleum products

Thousand tonnes

Burning oil	DERV	Gas Oil [1]	Fuel oils	Lubri -cants	Bitu -men	Petroleum coke	Misc. products	Total Products	
									Supply
3,092	16,350	10,566	11,199	514	1,485	2,029	1,182	80,563	Production
-	-	-	-	-	-	-	-	2,966r	Other sources
528	6,583	855	1,198	448	404	883	145	23,741	Imports
-213	-2,385	-4,884	-7,304	-399	-195	-608	-769	-28,803	Exports
-	-	-1,025	-2,447	-	-	-	-	-3,472	Marine bunkers
5	-115	110	150	-32	-7	-7	25	50	Stock change *(2)*
288	72	-60	-186	-12	5	-	25	-207	Transfers
3,699	**20,505**	**5,562**	**2,610**	**519**	**1,692**	**2,296**	**608**	**74,837r**	**Total supply**
18	**5**	**-70**	**-50**	**9**	**-49**	**1**	**18**	**-132r**	**Statistical difference *(3)***
3,681	**20,501**	**5,632**	**2,660**	**510**	**1,741**	**2,295**	**590**	**74,970r**	**Total demand**
-	**-**	**66**	**1,226**	**-**	**-**	**309**	**-**	**1,845**	**Transformation**
-	-	61	966	-	-	309	-	1,575	Electricity generation
-	-	50	790	-	-	309	-	1,150	Major power producers
-	-	11	176	-	-	-	-	426	Autogenerators
-	-	5	52	-	-	-	-	62	Heat generation
-	-	-	-	-	-	-	-	-	Petroleum refineries
-	-	-	-	-	-	-	-	-	Coke manufacture
-	-	-	208	-	-	-	-	208	Blast furnaces
-	-	-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	-	-	Other
-	**-**	**463**	**716**	**-**	**-**	**1,248**	**-**	**5,170r**	**Energy industry use**
-	-	-	-	-	-	-	-	-	Electricity generation
-	-	463	-	-	-	-	-	463	Oil & gas extraction
-	-	-	715	-	-	1,248	-	4,706	Petroleum refineries
-	-	-	-	-	-	-	-	-	Coal extraction
-	-	-	-	-	-	-	-	-	Coke manufacture
-	-	-	-	-	-	-	-	1	Blast furnaces
-	-	-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	-	-	Pumped storage
-	-	-	-	-	-	-	-	-	Other
-	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**Losses**
3,681	**20,501**	**5,102**	**718**	**510**	**1,741**	**738**	**590**	**67,955r**	**Final Consumption**
1,445	**-**	**2,447**	**423**	**-**	**-**	**457**	**-**	**5,462**	**Industry**
1,445	-	1,662	183	-	-	457	-	4,432	Unclassified
-	-	-	1	-	-	-	-	5	Iron & steel
-	-	4	-	-	-	-	-	4	Non-ferrous metals
-	-	181	29	-	-	-	-	210	Mineral products
-	-	125	107	-	-	-	-	232	Chemicals
-	-	-	1	-	-	-	-	1	Mechanical engineering etc
-	-	-	-	-	-	-	-	-	Electrical engineering etc
-	-	95	15	-	-	-	-	110	Vehicles
-	-	157	68	-	-	-	-	225	Food, beverages etc
-	-	46	-	-	-	-	-	46	Textiles, leather, etc
-	-	33	-	-	-	-	-	33	Paper, printing etc
-	-	14	-	-	-	-	-	14	Other industries
-	-	129	21	-	-	-	-	150	Construction
-	**20,501**	**1,430**	**111**	**-**	**-**	**-**	**-**	**50,880**	**Transport**
-	-	-	-	-	-	-	-	12,172	Air
-	-	605	-	-	-	-	-	605	Rail
-	20,501	-	-	-	-	-	-	37,167	Road
-	-	825	111	-	-	-	-	937	National navigation
-	-	-	-	-	-	-	-	-	Pipelines
2,236	**-**	**1,173**	**183**	**-**	**-**	**-**	**-**	**4,026**	**Other**
2,236	-	164	-	-	-	-	-	2,730	Domestic
-	-	362	71	-	-	-	-	433	Public administration
-	-	295	77	-	-	-	-	372	Commercial
-	-	140	24	-	-	-	-	267	Agriculture
-	-	211	11	-	-	-	-	223	Miscellaneous
-	**-**	**53**	**-**	**510**	**1,741**	**281**	**590**	**7,586r**	**Non energy use *(4)***

Commodity balances 2007

Petroleum products

Thousand tonnes

	Ethane	Propane	Butane	Other gases	Naphtha	Aviation spirit	Motor spirit	White Spirit & SBP	Aviation turbine fuel
Supply									
Production	-	1,697	601	2,737	2,561	0	21,313	70	6,176
Other sources	1,203	861	362	-	328	-	-	-	-
Imports	-	386	473	8	1,713	21	3,495	107	7,708
Exports	-0	-979	-578	-	-3,014	-4	-7,331	-7	-1,221
Marine bunkers	-	-	-	-	-	-	-	-	-
Stock change *(2)*	2	11	111	0	69	5	106	2	182
Transfers	-	-0	-40	8	14	8	60	-1	-338
Total supply	**1,204**	**1,976**	**929**	**2,752**	**1,671**	**30**	**17,643**	**171**	**12,507**
Statistical difference *(3)*	**8**	**22**	**17**	**-86**	**64**	**-3**	**28**	**4**	**-67**
Total demand	**1,197**	**1,955**	**911**	**2,838**	**1,608**	**33**	**17,615**	**167**	**12,574**
Transformation	**-**	**4**	**-**	**251**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	251	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	251	-	-	-	-	-
Heat generation	-	4	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Energy industry use	**-**	**39**	**-**	**2,220**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-	-	-	-
Oil & gas extraction	-	-	-	-	-	-	-	-	-
Petroleum refineries	-	39	-	2,220	-	-	-	-	-
Coal extraction	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Final consumption	**1,197**	**1,912**	**911**	**367**	**1,608**	**33**	**17,615**	**167**	**12,574**
Industry	**49**	**660**	**194**	**-**	**-**	**-**	**-**	**-**	**-**
Unclassified	49	660	194	-	-	-	-	-	-
Iron & steel	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-
Mineral products	-	-	-	-	-	-	-	-	-
Chemicals	-	-	-	-	-	-	-	-	-
Mechanical engineering, etc	-	-	-	-	-	-	-	-	-
Electrical engineering, etc	-	-	-	-	-	-	-	-	-
Vehicles	-	-	-	-	-	-	-	-	-
Food, beverages, etc	-	-	-	-	-	-	-	-	-
Textiles, leather, etc	-	-	-	-	-	-	-	-	-
Paper, printing etc	-	-	-	-	-	-	-	-	-
Other industries	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Transport	**-**	**119**	**-**	**-**	**-**	**33**	**17,615**	**-**	**12,574**
Air	-	-	-	-	-	33	-	-	12,574
Rail	-	-	-	-	-	-	-	-	-
Road	-	119	-	-	-	-	17,615	-	-
National navigation	-	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-	-
Other	**-**	**323**	**26**	**-**	**-**	**-**	**-**	**-**	**-**
Domestic	-	225	26	-	-	-	-	-	-
Public administration	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-
Agriculture	-	98	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-	-	-
Non energy use *(4)*	**1,148**	**811**	**691**	**367**	**1,608**	**-**	**-**	**167**	**-**

(1) Includes marine diesel oil.
(2) Stock fall (+), stock rise (-).
(3) Total supply minus total demand.
(4) For further details on non-energy usage see paragraphs 3.38 and 3.39

Commodity balances 2007 (continued)

Petroleum products

Thousand tonnes

Burning oil	DERV	Gas Oil [1]	Fuel oils	Lubri -cants	Bitu -men	Petroleum coke	Misc. products	Total Products	
									Supply
2,968	16,138	10,165	11,452	547	1,628	2,074	1,058	81,184	Production
-	-	-	-	-	-	-	-	2,754	Other sources
551	6,571	1,388	1,141	375	477	485	210	25,110	Imports
-356	-1,357	-5,160	-7,739	-194	-532	-613	-898	-29,983	Exports
-	-	-901	-1,471	-	-	-	-	-2,371	Marine bunkers
33	195	267	137	-47	26	-4	-23	1,073	Stock change *(2)*
363	-254	14	-419	33	9	-0	-3	-547	Transfers
3,560	**21,293**	**5,773**	**3,102**	**715**	**1,607**	**1,942**	**344**	**77,220**	**Total supply**
-68	**255**	**-344**	**-126**	**43**	**44**	**0**	**6**	**-204**	**Statistical difference *(3)***
3,628	**21,038**	**6,117**	**3,228**	**672**	**1,563**	**1,942**	**338**	**77,424**	**Total demand**
-	**-**	**70**	**884**	**-**	**-**	**178**	**-**	**1,388**	**Transformation**
-	-	65	631	-	-	178	-	1,126	Electricity generation
-	-	51	492	-	-	178	-	721	Major power producers
-	-	14	140	-	-	-	-	405	Autogenerators
-	-	5	52	-	-	-	-	61	Heat generation
-	-	-	-	-	-	-	-	-	Petroleum refineries
-	-	-	-	-	-	-	-	-	Coke manufacture
-	-	-	201	-	-	-	-	201	Blast furnaces
-	-	-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	-	-	Other
-	**-**	**405**	**1,019**	**-**	**-**	**1,398**	**-**	**5,080**	**Energy industry use**
-	-	-	-	-	-	-	-	-	Electricity generation
-	-	404	-	-	-	-	-	404	Oil & gas extraction
-	-	-	1,019	-	-	1,398	-	4,676	Petroleum refineries
-	-	-	-	-	-	-	-	-	Coal extraction
-	-	-	-	-	-	-	-	-	Coke manufacture
-	-	-	-	-	-	-	-	-	Blast furnaces
-	-	-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	-	-	Pumped storage
-	-	-	-	-	-	-	-	-	Other
-	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**Losses**
3,628	**21,038**	**5,642**	**1,325**	**672**	**1,563**	**366**	**338**	**70,956**	**Final Consumption**
1,434	**-**	**2,557**	**639**	**-**	**-**	**-**	**-**	**5,534**	**Industry**
1,434	-	-	-	-	-	-	-	2,337	Unclassified
-	-	-	64	-	-	-	-	64	Iron & steel
-	-	20	25	-	-	-	-	46	Non-ferrous metals
-	-	180	41	-	-	-	-	221	Mineral products
-	-	104	76	-	-	-	-	180	Chemicals
-	-	81	18	-	-	-	-	99	Mechanical engineering etc
-	-	25	8	-	-	-	-	33	Electrical engineering etc
-	-	91	23	-	-	-	-	114	Vehicles
-	-	208	55	-	-	-	-	263	Food, beverages etc
-	-	100	10	-	-	-	-	110	Textiles, leather, etc
-	-	30	32	-	-	-	-	62	Paper, printing etc
-	-	1,583	265	-	-	-	-	1,849	Other industries
-	-	135	21	-	-	-	-	156	Construction
-	**21,038**	**1,537**	**569**	**-**	**-**	**-**	**-**	**53,485**	**Transport**
-	-	-	-	-	-	-	-	12,607	Air
-	-	594	-	-	-	-	-	594	Rail
-	21,038	-	-	-	-	-	-	38,772	Road
-	-	942	569	-	-	-	-	1,511	National navigation
-	-	-	-	-	-	-	-	-	Pipelines
2,194	**-**	**1,310**	**117**	**-**	**-**	**-**	**-**	**3,970**	**Other**
2,170	-	173	-	-	-	-	-	2,594	Domestic
12	-	393	45	-	-	-	-	450	Public administration
-	-	323	55	-	-	-	-	378	Commercial
12	-	143	10	-	-	-	-	262	Agriculture
-	-	278	7	-	-	-	-	286	Miscellaneous
-	**-**	**238**	**-**	**672**	**1,563**	**366**	**338**	**7,967**	**Non energy use *(4)***

Commodity balances 2006

Petroleum products

Thousand tonnes

	Ethane	Propane	Butane	Other gases	Naphtha	Aviation spirit	Motor spirit	White Spirit & SBP	Aviation turbine fuel
Supply									
Production	0	1,737	406	3,102	2,734	25	21,443	107	6,261
Other sources	1,264	848	484	-	427	-	-	-	-
Imports	12	275	545	0	2,003	16	3,799	82	7,983
Exports	-13	-683	-463	-	-2,925	-3	-6,933	-2	-995
Marine bunkers	-	-	-	-	-	-	-	-	-
Stock change *(2)*	-2	-1	-39	0	-32	-6	-29	-27	-256
Transfers	-	-	-26	-	67	15	15	-	-404
Total supply	**1,262**	**2,176**	**906**	**3,103**	**2,275**	**47**	**18,295**	**159**	**12,589**
Statistical difference *(3)*	**5**	**-39**	**-44**	**-2**	**-3**	**2**	**204**	**3**	**-52**
Total demand	**1,257**	**2,215**	**950**	**3,105**	**2,278**	**46**	**18,091**	**156**	**12,641**
Transformation	**-**	**4**	**-**	**206**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	206	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	206	-	-	-	-	-
Heat generation	-	4	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Energy industry use	**-**	**38**	**-**	**2,441**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-	-	-	-
Oil & gas extraction	-	-	-	-	-	-	-	-	-
Petroleum refineries	-	38	-	2,441	-	-	-	-	-
Coal extraction	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Final consumption	**1,257**	**2,173**	**950**	**457**	**2,278**	**46**	**18,091**	**156**	**12,641**
Industry	**66**	**667**	**179**	**-**	**-**	**-**	**-**	**-**	**-**
Unclassified	66	667	179	-	-	-	-	-	-
Iron & steel	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-
Mineral products	-	-	-	-	-	-	-	-	-
Chemicals	-	-	-	-	-	-	-	-	-
Mechanical engineering, etc	-	-	-	-	-	-	-	-	-
Electrical engineering, etc	-	-	-	-	-	-	-	-	-
Vehicles	-	-	-	-	-	-	-	-	-
Food, beverages, etc	-	-	-	-	-	-	-	-	-
Textiles, leather, etc	-	-	-	-	-	-	-	-	-
Paper, printing etc	-	-	-	-	-	-	-	-	-
Other industries	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Transport	**-**	**126**	**-**	**-**	**-**	**46**	**18,091**	**-**	**12,641**
Air	-	-	-	-	-	46	-	-	12,641
Rail	-	-	-	-	-	-	-	-	-
Road	-	126	-	-	-	-	18,091	-	-
National navigation	-	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-	-
Other	**-**	**386**	**34**	**-**	**-**	**-**	**-**	**-**	**-**
Domestic	-	281	34	-	-	-	-	-	-
Public administration	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-
Agriculture	-	105	-0	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-	-	-
Non energy use *(4)*	**1,191**	**994**	**737**	**457**	**2,278**	**-**	**-**	**156**	**-**

(1) Includes marine diesel oil.

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

(3) Total supply minus total demand.

(4) For further details on non-energy usage see paragraphs 3.38 and 3.39.

Commodity balances 2006 (continued)

Petroleum products

Thousand tonnes

Burning oil	DERV	Gas Oil [1]	Fuel oils	Lubri -cants	Bitu -men	Petroleum coke	Misc. products	Total Products	
									Supply
3,374	15,821	10,259	12,277	617	1,749	1,964	964	82,839	Production
-	-	-	-	-	-	-	-	3,024	Other sources
670	7,125	938	1,332	505	404	869	277	26,836	Imports
-314	-1,130	-4,690	-8,368	-401	-628	-559	-839	-28,945	Exports
-	-	-1,035	-1,313	-	-	-	-	-2,348	Marine bunkers
-105	-201	-82	-146	25	11	-15	49	-856	Stock change *(2)*
403	-	-205	-573	-1	22	-	4	-683	Transfers
4,028	**21,615**	**5,185**	**3,209**	**745**	**1,558**	**2,260**	**455**	**79,866**	**Total supply**
12	**1,454**	**-1,384**	**-39**	**32**	**-52**	**-23**	**18**	**93**	**Statistical difference *(3)***
4,016	**20,161**	**6,569**	**3,248**	**713**	**1,610**	**2,283**	**437**	**79,774**	**Total demand**
-	**-**	**115**	**1,205**	**-**	**-**	**-**	**-**	**1,530**	**Transformation**
-	-	110	922	-	-	-	-	1,238	Electricity generation
-	-	87	723	-	-	-	-	810	Major power producers
-	-	22	200	-	-	-	-	428	Autogenerators
-	-	6	53	-	-	-	-	62	Heat generation
-	-	-	-	-	-	-	-	-	Petroleum refineries
-	-	-	-	-	-	-	-	-	Coke manufacture
-	-	-	230	-	-	-	-	230	Blast furnaces
-	-	-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	-	-	Other
-	**-**	**473**	**997**	**-**	**-**	**1,358**	**-**	**5,307**	**Energy industry use**
-	-	-	-	-	-	-	-	-	Electricity generation
-	-	430	-	-	-	-	-	430	Oil & gas extraction
-	-	44	997	-	-	1,358	-	4,878	Petroleum refineries
-	-	-	-	-	-	-	-	-	Coal extraction
-	-	-	-	-	-	-	-	-	Coke manufacture
-	-	-	-	-	-	-	-	-	Blast furnaces
-	-	-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	-	-	Pumped storage
-	-	-	-	-	-	-	-	-	Other
-	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**Losses**
4,016	**20,161**	**5,980**	**1,046**	**713**	**1,610**	**925**	**437**	**72,936**	**Final Consumption**
1,552	**-**	**2,629**	**427**	**-**	**-**	**-**	**-**	**5,521**	**Industry**
1,552	-	-	-	-	-	-	-	2,465	Unclassified
-	-	0	19	-	-	-	-	19	Iron & steel
-	-	22	28	-	-	-	-	50	Non-ferrous metals
-	-	183	1	-	-	-	-	184	Mineral products
-	-	105	72	-	-	-	-	176	Chemicals
-	-	81	18	-	-	-	-	98	Mechanical engineering etc
-	-	70	9	-	-	-	-	78	Electrical engineering etc
-	-	92	22	-	-	-	-	115	Vehicles
-	-	219	42	-	-	-	-	261	Food, beverages etc
-	-	110	11	-	-	-	-	121	Textiles, leather, etc
-	-	23	33	-	-	-	-	56	Paper, printing etc
-	-	1,584	154	-	-	-	-	1,738	Other industries
-	-	141	19	-	-	-	-	161	Construction
-	**20,161**	**1,765**	**504**	**-**	**-**	**-**	**-**	**53,333**	**Transport**
-	-	-	-	-	-	-	-	12,686	Air
-	-	580	-	-	-	-	-	580	Rail
-	20,161	-	-	-	-	-	-	38,378	Road
-	-	1,185	504	-	-	-	-	1,689	National navigation
-	-		-	-	-	-	-	-	Pipelines
2,464	**-**	**1,328**	**114**	**-**	**-**	**-**	**-**	**4,326**	**Other**
2,440	-	171	-	-	-	-	-	2,927	Domestic
12	-	394	46	-	-	-	-	452	Public administration
-	-	314	50	-	-	-	-	364	Commercial
12	-	145	10	-	-	-	-	272	Agriculture
-	-	304	9	-	-	-	-	312	Miscellaneous
-	**-**	**259**	**-**	**713**	**1,610**	**925**	**437**	**9,756**	**Non energy use *(4)***

Commodity balances 2005

Petroleum products

Thousand tonnes

	Ethane	Propane	Butane	Other gases	Naphtha	Aviation spirit	Motor spirit	White Spirit & SBP	Aviation turbine fuel
Supply									
Production	5	1,704	518	2,996	3,023	32	22,604	136	5,167
Other sources	1,398	857	500	-	632	-	-	-	-
Imports	-	281	502	137	1,380	13	2,310	224	9,083
Exports	-	-748	-550	-	-3,167	-3	-6,586	-63	-1,397
Marine bunkers	-	-	-	-	-	-	-	-	-
Stock change *(2)*	6	66	49	1	284	-2	410	-2	96
Transfers	0	-5	2	-3	32	14	-4	3	-343
Total supply	**1,409**	**2,154**	**1,021**	**3,130**	**2,186**	**53**	**18,734**	**298**	**12,606**
Statistical difference *(3)*	**-50**	**-127**	**-50**	**-6**	**266**	**1**	**-118**	**13**	**109**
Total demand	**1,459**	**2,282**	**1,071**	**3,136**	**1,919**	**52**	**18,852**	**284**	**12,497**
Transformation	**-**	**4**	**-**	**182**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	182	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	182	-	-	-	-	-
Heat generation	-	4	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Energy industry use	**5**	**38**	**-**	**2,569**	**3**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-	-	-	-
Oil & gas extraction	-	-	-	-	-	-	-	-	-
Petroleum refineries	5	38	-	2,569	3	-	-	-	-
Coal extraction	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Final consumption	**1,454**	**2,240**	**1,071**	**384**	**1,916**	**52**	**18,852**	**284**	**12,497**
Industry	**71**	**628**	**161**	**-**	**-**	**-**	**-**	**-**	**-**
Unclassified	71	628	161	-	-	-	-	-	-
Iron & steel	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-
Mineral products	-	-	-	-	-	-	-	-	-
Chemicals	-	-	-	-	-	-	-	-	-
Mechanical engineering, etc	-	-	-	-	-	-	-	-	-
Electrical engineering, etc	-	-	-	-	-	-	-	-	-
Vehicles	-	-	-	-	-	-	-	-	-
Food, beverages, etc	-	-	-	-	-	-	-	-	-
Textiles, leather, etc	-	-	-	-	-	-	-	-	-
Paper, printing etc	-	-	-	-	-	-	-	-	-
Other industries	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Transport	**-**	**120**	**-**	**-**	**-**	**52**	**18,852**	**-**	**12,497**
Air	-	-	-	-	-	52	-	-	12,497
Rail	-	-	-	-	-	-	-	-	-
Road	-	120	-	-	-	-	18,852	-	-
National navigation	-	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-	-
Other	**-**	**404**	**9**	**-**	**-**	**-**	**-**	**-**	**-**
Domestic	-	289	9	-	-	-	-	-	-
Public administration	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-
Agriculture	-	115	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-	-	-
Non energy use *(4)*	**1,383**	**1,088**	**901**	**384**	**1,916**	**-**	**-**	**284**	**-**

(1) Includes marine diesel oil.

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

(3) Total supply minus total demand.

(4) For further details on non-energy usage see paragraphs 3.38 and 3.39.

Commodity balances 2005 (continued)

Petroleum products

Thousand tonnes

Burning oil	DERV	Gas Oil [1]	Fuel oils	Lubri -cants	Bitu -men	Petroleum coke	Misc. products	Total Products	
									Supply
3,325	19,056	9,635	11,728	936	1,912	1,867	1,103	85,747	Production
-	-	-	-	-	-	-	-	3,387	Other sources
407	3,146	1,809	1,530	424	216	947	70	22,481	Imports
-282	-1,935	-4,379	-8,452	-709	-242	-570	-638	-29,722	Exports
-	-	-889	-1,166	-	-	-	-	-2,055	Marine bunkers
44	-2	390	266	77	51	174	29	1,937	Stock change *(2)*
333	-39	-224	-92	-2	24	-	-30	-334	Transfers
3,827	**20,227**	**6,343**	**3,813**	**727**	**1,961**	**2,417**	**533**	**81,440**	**Total supply**
-42	**850**	**-582**	**34**	**-23**	**55**	**168**	**-22**	**476**	**Statistical difference *(3)***
3,869	**19,377**	**6,924**	**3,779**	**750**	**1,906**	**2,249**	**556**	**80,963**	**Total demand**
-	**-**	**105**	**1,310**	**-**	**-**	**-**	**-**	**1,601**	**Transformation**
-	-	99	987	-	-	-	-	1,268	Electricity generation
-	-	60	732	-	-	-	-	793	Major power producers
-	-	39	254	-	-	-	-	475	Autogenerators
-	-	6	52	-	-	-	-	62	Heat generation
-	-	-	-	-	-	-	-	-	Petroleum refineries
-	-	-	-	-	-	-	-	-	Coke manufacture
-	-	-	271	-	-	-	-	271	Blast furnaces
-	-	-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	-	-	Other
-	**-**	**681**	**1,573**	**-**	**-**	**1,207**	**-**	**6,076**	**Energy industry use**
-	-	-	-	-	-	-	-	-	Electricity generation
-	-	475	-	-	-	-	-	475	Oil & gas extraction
-	-	206	1,573	-	-	1,207	-	5,601	Petroleum refineries
-	-	-	-	-	-	-	-	-	Coal extraction
-	-	-	-	-	-	-	-	-	Coke manufacture
-	-	-	-	-	-	-	-	-	Blast furnaces
-	-	-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	-	-	Pumped storage
-	-	-	-	-	-	-	-	-	Other
-	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**Losses**
3,869	**19,377**	**6,138**	**897**	**750**	**1,906**	**1,042**	**556**	**73,286**	**Final Consumption**
1,502	**-**	**2,887**	**441**	**-**	**-**	**-**	**-**	**5,690**	**Industry**
1,502	-	-	-	-	-	-	-	2,361	Unclassified
-	-	0	16	-	-	-	-	16	Iron & steel
-	-	28	23	-	-	-	-	50	Non-ferrous metals
-	-	199	3	-	-	-	-	202	Mineral products
-	-	109	82	-	-	-	-	191	Chemicals
-	-	90	20	-	-	-	-	110	Mechanical engineering etc
-	-	26	7	-	-	-	-	34	Electrical engineering etc
-	-	109	21	-	-	-	-	130	Vehicles
-	-	259	44	-	-	-	-	303	Food, beverages etc
-	-	93	10	-	-	-	-	103	Textiles, leather, etc
-	-	54	32	-	-	-	-	86	Paper, printing etc
-	-	1,760	168	-	-	-	-	1,928	Other industries
-	-	159	16	-	-	-	-	175	Construction
-	**19,377**	**1,501**	**355**	**-**	**-**	**-**	**-**	**52,755**	**Transport**
-	-	-	-	-	-	-	-	12,549	Air
-	-	581	-	-	-	-	-	581	Rail
-	19,377	-	-	-	-	-	-	38,350	Road
-	-	920	355	-	-	-	-	1,274	National navigation
-	-		-	-	-	-	-	-	Pipelines
2,368	**-**	**1,522**	**101**	**-**	**-**	**-**	**-**	**4,403**	**Other**
2,344	-	141	-	-	-	-	-	2,783	Domestic
12	-	444	43	-	-	-	-	499	Public administration
-	-	315	43	-	-	-	-	358	Commercial
12	-	208	5	-	-	-	-	340	Agriculture
-	-	413	10	-	-	-	-	423	Miscellaneous
-	**-**	**229**	**-**	**750**	**1,906**	**1,042**	**556**	**10,439**	**Non energy use *(4)***

Commodity balances 2004

Petroleum products

Thousand tonnes

	Ethane	Propane	Butane	Other gases	Naphtha	Aviation spirit	Motor spirit	White Spirit & SBP	Aviation turbine fuel
Supply									
Production	15	1,794	376	3,012	3,176	31	24,589	100	5,615
Other sources	1,417	828	645	-	835	-	-	-	-
Imports	-	245	245	34	871	19	2,175	210	7,658
Exports	-	-621	-411	-	-2,940	-8	-7,334	-62	-983
Marine bunkers	-	-	-	-	-	-	-	-	-
Stock change *(2)*	-	-15	-19	0	-109	1	-40	2	-112
Transfers	-	-37	42	-1	79	0	-11	23	-345
Total supply	**1,432**	**2,193**	**879**	**3,045**	**1,911**	**44**	**19,380**	**273**	**11,834**
Statistical difference *(3)*	**-7**	**-26**	**-36**	**59**	**-125**	**-6**	**-105**	**-8**	**197**
Total demand	**1,439**	**2,219**	**914**	**2,986**	**2,036**	**49**	**19,484**	**281**	**11,637**
Transformation	**-**	**-**	**-**	**181**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	181	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	181	-	-	-	-	-
Heat generation	-	-	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Energy industry use	**15**	**19**	**-**	**2,492**	**7**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-	-	-	-
Oil & gas extraction	-	-	-	-	-	-	-	-	-
Petroleum refineries	15	19	-	2,492	7	-	-	-	-
Coal extraction	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Final consumption	**1,424**	**2,200**	**914**	**313**	**2,029**	**49**	**19,484**	**281**	**11,637**
Industry	**76**	**592**	**190**	**-**	**-**	**-**	**-**	**-**	**-**
Unclassified	76	592	190	-	-	-	-	-	-
Iron & steel	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-
Mineral products	-	-	-	-	-	-	-	-	-
Chemicals	-	-	-	-	-	-	-	-	-
Mechanical engineering, etc	-	-	-	-	-	-	-	-	-
Electrical engineering, etc	-	-	-	-	-	-	-	-	-
Vehicles	-	-	-	-	-	-	-	-	-
Food, beverages, etc	-	-	-	-	-	-	-	-	-
Textiles, leather, etc	-	-	-	-	-	-	-	-	-
Paper, printing etc	-	-	-	-	-	-	-	-	-
Other industries	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Transport	**-**	**112**	**-**	**-**	**-**	**49**	**19,484**	**-**	**11,637**
Air	-	-	-	-	-	49	-	-	11,637
Rail	-	-	-	-	-	-	-	-	-
Road	-	112	-	-	-	-	19,484	-	-
National navigation	-	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-	-
Other	**-**	**391**	**45**	**-**	**-**	**-**	**-**	**-**	**-**
Domestic	-	285	45	-	-	-	-	-	-
Public administration	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-
Agriculture	-	106	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-	-	-
Non energy use *(4)*	**1,348**	**1,106**	**680**	**313**	**2,029**	**-**	**-**	**281**	**-**

(1) Includes marine diesel oil.

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

(3) Total supply minus total demand.

(4) For further details on non-energy usage see paragraphs 3.38 and 3.39.

Commodity balances 2004 (continued)

Petroleum products

Thousand tonnes

Burning oil	Gas/ Diesel Oil [1]	Fuel oils	Lubri -cants	Bitu -men	Petroleum coke	Misc. products	Total Products	
								Supply
3,613	28,839	12,988	1,136	2,196	1,645	702	89,828	Production
-	-	-	-	-	-	-	3,724	Other sources
360	4,216	612	530	227	1,081	61	18,545	Imports
-413	-6,623	-8,936	-750	-336	-598	-480	-30,495	Exports
-	-1,073	-1,012	-	-	-	-	-2,085	Marine bunkers
-58	-268	-46	-14	-11	31	368	-289	Stock change *(2)*
413	-393	-19	-3	22	-	27	-203	Transfers
3,915	**24,698**	**3,586**	**900**	**2,098**	**2,160**	**678**	**79,025**	**Total supply**
-35	**-38**	**-157**	**-15**	**108**	**2**	**151**	**-41**	**Statistical difference *(3)***
3,950	**24,736**	**3,743**	**914**	**1,991**	**2,157**	**527**	**79,066**	**Total demand**
-	**82**	**694**	**-**	**-**	**-**	**-**	**958**	**Transformation**
-	67	345	-	-	-	-	593	Electricity generation
-	11	136	-	-	-	-	147	Major power producers
-	56	209	-	-	-	-	446	Autogenerators
-	16	52	-	-	-	-	68	Heat generation
-	-	-	-	-	-	-	-	Petroleum refineries
-	-	-	-	-	-	-	-	Coke manufacture
-	-	297	-	-	-	-	297	Blast furnaces
-	-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	-	Other
-	**192**	**1,681**	**-**	**-**	**1,012**	**-**	**5,419**	**Energy industry use**
-	-	-	-	-	-	-	-	Electricity generation
-	-	-	-	-	-	-	-	Oil & gas extraction
-	192	1,680	-	-	1,012	-	5,417	Petroleum refineries
-	-	-	-	-	-	-	-	Coal extraction
-	-	1	-	-	-	-	1	Coke manufacture
-	-	-	-	-	-	-	-	Blast furnaces
-	-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	-	Pumped storage
-	-	-	-	-	-	-	-	Other
-	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**Losses**
3,950	**24,462**	**1,368**	**914**	**1,991**	**1,146**	**527**	**72,690**	**Final Consumption**
1,465	**3,008**	**971**	**-**	**-**	**-**	**-**	**6,303**	**Industry**
1,465	-	-	-	-	-	-	2,324	Unclassified
-	2	31	-	-	-	-	33	Iron & steel
-	27	23	-	-	-	-	49	Non-ferrous metals
-	171	15	-	-	-	-	186	Mineral products
-	116	73	-	-	-	-	189	Chemicals
-	90	18	-	-	-	-	108	Mechanical engineering etc
-	22	13	-	-	-	-	35	Electrical engineering etc
-	79	22	-	-	-	-	101	Vehicles
-	261	58	-	-	-	-	319	Food, beverages etc
-	58	10	-	-	-	-	68	Textiles, leather, etc
-	27	28	-	-	-	-	55	Paper, printing etc
-	2,012	680	-	-	-	-	2,692	Other industries
-	143	-	-	-	-	-	143	Construction
12	**19,988**	**266**	**-**	**-**	**-**	**-**	**51,549**	**Transport**
-	-	-	-	-	-	-	11,686	Air
12	630	-	-	-	-	-	642	Rail
-	18,514	-	-	-	-	-	38,110	Road
-	844	266	-	-	-	-	1,110	National navigation
-	-	-	-	-	-	-	-	Pipelines
2,472	**1,216**	**130**	**-**	**-**	**-**	**-**	**4,254**	**Other**
2,448	160	-	-	-	-	-	2,938	Domestic
12	394	60	-	-	-	-	465	Public administration
-	341	44	-	-	-	-	385	Commercial
12	122	5	-	-	-	-	245	Agriculture
-	200	21	-	-	-	-	221	Miscellaneous
-	**249**	**-**	**914**	**1,991**	**1,146**	**527**	**10,584**	**Non energy use *(4)***

Commodity balances 2003

Petroleum products

Thousand tonnes

	Ethane	Propane	Butane	Other gases	Naphtha	Aviation spirit	Motor spirit	White Spirit & SBP [4]	Aviation turbine fuel
Supply									
Production	11	1,620	679	2,891	3,516	26	22,627	104	5,277
Other sources	1,509	628	524	-	-	-	-	-	-
Imports	-	194	172	-	782	12	2,022	34	7,346
Exports	-	-328	-16	-7	-2,461	-5	-5,603	-	-587
Marine bunkers	-	-	-	-	-	-	-	-	-
Stock change *(2)*	-	+5	+22	+1	-74	-1	-88	+4	-100
Transfers	-9	-254	-703	-196	+742	-1	+454	-0	-1,347
Total supply	**1,510**	**1,865**	**679**	**2,688**	**2,506**	**31**	**19,412**	**141**	**10,588**
Statistical difference *(3)*	-60	-180	-311	-40	+161	-15	-506	-6	-176
Total demand	**1,571**	**2,046**	**990**	**2,728**	**2,345**	**46**	**19,918**	**147**	**10,765**
Transformation	**-**	**1**	**-**	**229**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	1	-	229	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-	-
Autogenerators	-	1	-	229	-	-	-	-	-
Heat generation	-	-	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Energy industry use	**9**	**19**	**-**	**2,176**	**13**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-	-	-	-
Oil & gas extraction	-	-	-	-	-	-	-	-	-
Petroleum refineries	9	19	-	2,176	13	-	-	-	-
Coal extraction	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-	-
Other	-	0	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-
Final consumption	**1,562**	**2,027**	**990**	**323**	**2,332**	**46**	**19,918**	**147**	**10,765**
Industry	**75**	**690**	**154**	**-**	**-**	**-**	**-**	**-**	**-**
Unclassified	75	690	154	-	-	-	-	-	-
Iron & steel	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-
Mineral products	-	-	-	-	-	-	-	-	-
Chemicals	-	-	-	-	-	-	-	-	-
Mechanical engineering, etc	-	-	-	-	-	-	-	-	-
Electrical engineering, etc	-	-	-	-	-	-	-	-	-
Vehicles	-	-	-	-	-	-	-	-	-
Food, beverages, etc	-	-	-	-	-	-	-	-	-
Textiles, leather, etc	-	-	-	-	-	-	-	-	-
Paper, printing etc	-	-	-	-	-	-	-	-	-
Other industries	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Transport	**-**	**104**	**-**	**-**	**-**	**46**	**19,918**	**-**	**10,765**
Air	-	-	-	-	-	46	-	-	10,765
Rail	-	-	-	-	-	-	-	-	-
Road	-	104	-	-	-	-	19,918	-	-
National navigation	-	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-	-
Other	**-**	**397**	**48**	**-**	**-**	**-**	**-**	**-**	**-**
Domestic	-	294	47	-	-	-	-	-	-
Public administration	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-
Agriculture	-	103	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-	-	-
Non energy use *(4)*	**1,487**	**835**	**789**	**323**	**2,332**	**-**	**-**	**147**	**-**

(1) Includes marine diesel oil.
(2) Stock fall (+), stock rise (-).
(3) Total supply minus total demand.
(4) For further details on non-energy usage see paragraphs 3.38 and 3.39.

Commodity balances 2003 (continued)

Petroleum products

Thousand tonnes

Burning oil	Gas/ Diesel Oil [5]	Fuel oils	Lubri -cants	Bitu -men	Petroleum coke	Misc. products	Total Products	
								Supply
3,521	27,579	11,517	576	1,925	1,630	1,030	84,529	Production
-	-	-	-	-	-	-	2,661	Other sources
327	3,503	394	570	249	834	34	16,472	Imports
-556	-5,528	-6,385	-678	-329	-566	-274	-23,323	Exports
-	-897	-867	-	-	-	-	-1,764	Marine bunkers
+36	-27	-3	+46	-9	+17	-90	-262	Stock change *(2)*
+151	-625	+136	+454	+43	-22	-476	-1,652	Transfers
3,479	**24,006**	**4,792**	**968**	**1,879**	**1,893**	**224**	**76,661**	**Total supply**
-90	-231	+1,230	+101	-80	-5	-282	-492	**Statistical difference *(3)***
3,569	**24,237**	**3,562**	**868**	**1,959**	**1,898**	**506**	**77,154**	**Total demand**
-	**47**	**639**	**-**	**-**	**-**	**-**	**916**	**Transformation**
-	29	277	-	-	-	-	536	Electricity generation
-	17	83	-	-	-	-	100	Major power producers
-	12	194	-	-	-	-	436	Autogenerators
-	18	133	-	-	-	-	151	Heat generation
-	-	-	-	-	-	-	-	Petroleum refineries
-	-	-	-	-	-	-	-	Coke manufacture
-	-	229	-	-	-	-	229	Blast furnaces
-	-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	-	Other
-	**200**	**2,024**	**-**	**-**	**1,018**	**-**	**5,458**	**Energy industry use**
-	-	-	-	-	-	-	-	Electricity generation
-	-	-	-	-	-	-	-	Oil & gas extraction
-	199	2,022	-	-	1,018	-	5,456	Petroleum refineries
-	-	-	-	-	-	-	-	Coal extraction
-	-	1	-	-	-	-	1	Coke manufacture
-	0	-	-	-	-	-	0	Blast furnaces
-	-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	-	Pumped storage
-	0	-	-	-	-	-	0	Other
-	-	-	-	-	-	-	-	**Losses**
3,569	**23,990**	**899**	**868**	**1,959**	**880**	**506**	**70,780**	**Final Consumption**
1,285	**3,359**	**707**	**-**	**-**	**-**	**-**	**6,270**	**Industry**
1,285	-	-	-	-	-	-	2,204	Unclassified
-	1	17	-	-	-	-	19	Iron & steel
-	21	24	-	-	-	-	45	Non-ferrous metals
-	206	17	-	-	-	-	223	Mineral products
-	111	73	-	-	-	-	184	Chemicals
-	113	27	-	-	-	-	140	Mechanical engineering etc
-	13	13	-	-	-	-	26	Electrical engineering etc
-	69	24	-	-	-	-	93	Vehicles
-	154	52	-	-	-	-	206	Food, beverages etc
-	78	24	-	-	-	-	102	Textiles, leather, etc
-	21	32	-	-	-	-	53	Paper, printing etc
-	2,279	401	-	-	-	-	2,680	Other industries
-	293	3	-	-	-	-	295	Construction
12	**19,398**	**50**	**-**	**-**	**-**	**-**	**50,292**	**Transport**
-	-	-	-	-	-	-	10,810	Air
12	600	-	-	-	-	-	612	Rail
-	17,712	-	-	-	-	-	37,735	Road
-	1,085	50	-	-	-	-	1,135	National navigation
-	-	-	-	-	-	-	-	Pipelines
2,272	**947**	**142**	**-**	**-**	**-**	**-**	**3,806**	**Other**
2,248	163	6	-	-	-	-	2,759	Domestic
12	283	75	-	-	-	-	370	Public administration
-	258	43	-	-	-	-	301	Commercial
12	173	4	-	-	-	-	292	Agriculture
-	70	14	-	-	-	-	84	Miscellaneous
-	**287**	**-**	**868**	**1,959**	**880**	**506**	**10,411**	**Non energy use *(4)***

Commodity balances 2002

Petroleum products

Thousand tonnes

	Ethane	Propane	Butane	Other gases	Naphtha	Aviation spirit	Motor spirit	White Spirit & SBP [4]	Aviation turbine fuel
Supply									
Production	50	1,620	529	2,928	3,174	28	22,944	121	5,365
Other sources	1,578	670	1,047	-	-	-	-	-	-
Imports	-	82	110	-	96	9	2,307	45	6,700
Exports	-	-448	-377	-	-2,077	-6	-5,532	-2	-588
Marine bunkers	-	-	-	-	-	-	-	-	-
Stock change *(2)*	-	+80	-11	-3	+20	-4	+273	+2	+269
Transfers	-83	-259	-483	+42	+743	+3	+499	-	-1,972
Total supply	**1,546**	**1,744**	**815**	**2,966**	**1,956**	**30**	**20,490**	**166**	**9,773**
Statistical difference *(3)*	-173	-87	+84	+63	+344	-19	-319	+8	-746
Total demand	**1,718**	**1,832**	**731**	**2,903**	**1,612**	**50**	**20,808**	**157**	**10,519**
Transformation	**-**	**-**	**-**	**228**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	228	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	228	-	-	-	-	-
Heat generation	-	-	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Energy industry use	**50**	**10**	**-**	**2,390**	**20**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-	-	-	-
Oil & gas extraction	-	-	-	-	-	-	-	-	-
Petroleum refineries	50	10	-	2,390	20	-	-	-	-
Coal extraction	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-
Final consumption	**1,668**	**1,822**	**731**	**284**	**1,592**	**50**	**20,808**	**157**	**10,519**
Industry	**72**	**484**	**99**	**-**	**-**	**-**	**-**	**-**	**-**
Unclassified	72	474	99	-	-	-	-	-	-
Iron & steel	-	10	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-
Mineral products	-	-	-	-	-	-	-	-	-
Chemicals	-	-	-	-	-	-	-	-	-
Mechanical engineering, etc	-	-	-	-	-	-	-	-	-
Electrical engineering, etc	-	-	-	-	-	-	-	-	-
Vehicles	-	-	-	-	-	-	-	-	-
Food, beverages, etc	-	-	-	-	-	-	-	-	-
Textiles, leather, etc	-	-	-	-	-	-	-	-	-
Paper, printing etc	-	-	-	-	-	-	-	-	-
Other industries	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Transport	**-**	**86**	**-**	**-**	**-**	**50**	**20,808**	**-**	**10,519**
Air	-	-	-	-	-	50	-	-	10,519
Rail	-	-	-	-	-	-	-	-	-
Road	-	86	-	-	-	-	20,808	-	-
National navigation	-	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-	-
Other	**-**	**369**	**48**	**-**	**-**	**-**	**-**	**-**	**-**
Domestic	-	271	48	-	-	-	-	-	-
Public administration	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-
Agriculture	-	98	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-	-	-
Non energy use	**1,597**	**883**	**584**	**284**	**1,592**	**-**	**-**	**157**	**-**

(1) Includes marine diesel oil.
(2) Stock fall (+), stock rise (-).
(3) Total supply minus total demand.
(4) For further details on non-energy usage see paragraphs 3.38 and 3.39.

Commodity balances 2002 (continued)

Petroleum products

Thousand tonnes

Burning oil	Gas/ Diesel Oil [5]	Fuel oils	Lubri -cants	Bitu -men	Petroleum coke	Misc. products	Total Products	
								Supply
3,506	28,393	10,551	509	1,918	1,543	818	83,996	Production
-	-	-	-	-	-	-	3,295	Other sources
299	3,219	558	422	232	790	32	14,900	Imports
-402	-6,352	-5,780	-521	-261	-541	-556	-23,444	Exports
-	-1,144	-769	-	-	-	-	-1,913	Marine bunkers
-8	+194	-32	-16	+24	+16	+423	+1226	Stock change *(2)*
+150	-722	+235	+442	+50	-1	-383	-1,739	Transfers
3,545	**23,588**	**4,763**	**836**	**1,963**	**1,806**	**334**	**76,321**	**Total supply**
-33	+513	+996	+7	-39	-188	-323	+86	**Statistical difference *(3)***
3,578	**23,075**	**3,767**	**829**	**2,002**	**1,995**	**658**	**76,233**	**Total demand**
-	**52**	**828**	**-**	**-**	**-**	**-**	**1,108**	**Transformation**
-	29	415	-	-	-	-	671	Electricity generation
-	10	108	-	-	-	-	119	Major power producers
-	18	306	-	-	-	-	553	Autogenerators
-	23	227	-	-	-	-	250	Heat generation
-	-	-	-	-	-	-	-	Petroleum refineries
-	-	-	-	-	-	-	-	Coke manufacture
-	-	186	-	-	-	-	186	Blast furnaces
-	-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	-	Other
-	**49**	**2,046**	**-**	**-**	**1,102**	**11**	**5,678**	**Energy industry use**
-	-	-	-	-	-	-	-	Electricity generation
-	-	-	-	-	-	-	-	Oil & gas extraction
-	49	2,045	-	-	1,102	11	5,677	Petroleum refineries
-	-	-	-	-	-	-	-	Coal extraction
-	-	-	-	-	-	-	-	Coke manufacture
-	-	1	-	-	-	-	1	Blast furnaces
-	-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	-	Pumped storage
-	-	-	-	-	-	-	-	Other
-	-	-	-	-	-	-	-	**Losses**
3,578	**22,974**	**893**	**829**	**2,002**	**893**	**647**	**69,448**	**Final Consumption**
1,288	**3,043**	**711**	**-**	**-**	**-**	**-**	**5,697**	**Industry**
1,288	-	-	-	-	-	-	1,933	Unclassified
-	2	66	-	-	-	-	77	Iron & steel
-	41	34	-	-	-	-	75	Non-ferrous metals
-	213	26	-	-	-	-	239	Mineral products
-	129	85	-	-	-	-	214	Chemicals
-	155	58	-	-	-	-	213	Mechanical engineering etc
-	21	25	-	-	-	-	46	Electrical engineering etc
-	151	32	-	-	-	-	183	Vehicles
-	180	58	-	-	-	-	238	Food, beverages etc
-	79	37	-	-	-	-	116	Textiles, leather, etc
-	35	39	-	-	-	-	74	Paper, printing etc
-	1,602	248	-	-	-	-	1,851	Other industries
-	435	2	-	-	-	-	437	Construction
12	**18,126**	**42**	**-**	**-**	**-**	**-**	**49,643**	**Transport**
-	-	-	-	-	-	-	10,568	Air
12	595	-	-	-	-	-	607	Rail
-	16,926	-	-	-	-	-	37,821	Road
-	605	42	-	-	-	-	647	National navigation
-	-	-	-	-	-	-	-	Pipelines
2,278	**1,599**	**140**	**-**	**-**	**-**	**-**	**4,434**	**Other**
2,254	202	4	-	-	-	-	2,779	Domestic
12	602	71	-	-	-	-	685	Public administration
-	315	51	-	-	-	-	366	Commercial
12	395	3	-	-	-	-	508	Agriculture
-	85	11	-	-	-	-	96	Miscellaneous
-	**205**	**-**	**829**	**2,002**	**893**	**647**	**9,673**	**Non energy use**

Commodity balances 2001

Petroleum products

Thousand tonnes

	Ethane	Propane	Butane	Other gases	Naphtha	Aviation spirit	Motor spirit	White Spirit & SBP [4]	Aviation turbine fuel
Supply									
Production	83	1,250	520	2,511	3,463	101	21,455	121	5,910
Other sources	1,587	967	1,020	-	-	-	-	-	-
Imports	-	236	172	-	337	10	3,702	26	6,217
Exports	-	-315	-77	-	-1,078	-6	-4,447	-2	-456
Marine bunkers	-	-	-	-	-	-	-	-	-
Stock change *(2)*	-	-26	-17	+2	+4	+6	-377	0	-291
Transfers	-101	-258	-314	-	-633	+5	+1,062	-0	+9
Total supply	**1,569**	**1,854**	**1,304**	**2,512**	**2,093**	**114**	**21,396**	**145**	**11,388**
Statistical difference *(3)*	-124	+277	+778	-194	+466	+55	+456	-6	+774
Total demand	**1,693**	**1,578**	**526**	**2,706**	**1,627**	**59**	**20,940**	**151**	**10,614**
Transformation	**-**	**36**	**-**	**179**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	36	-	179	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-	-
Autogenerators	-	36	-	179	-	-	-	-	-
Heat generation	-	-	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Energy industry use	**83**	**7**	**-**	**2,239**	**35**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-	-	-	-
Oil & gas extraction	-	-	-	-	-	-	-	-	-
Petroleum refineries	83	7	-	2,239	35	-	-	-	-
Coal extraction	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-
Final consumption	**1,610**	**1,535**	**526**	**287**	**1,592**	**59**	**20,940**	**151**	**10,614**
Industry	**82**	**189**	**68**	**-**	**-**	**-**	**-**	**-**	**-**
Unclassified	82	189	68	-	-	-	-	-	-
Iron & steel	-	-	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-
Mineral products	-	-	-	-	-	-	-	-	-
Chemicals	-	-	-	-	-	-	-	-	-
Mechanical engineering, etc	-	-	-	-	-	-	-	-	-
Electrical engineering, etc	-	-	-	-	-	-	-	-	-
Vehicles	-	-	-	-	-	-	-	-	-
Food, beverages, etc	-	-	-	-	-	-	-	-	-
Textiles, leather, etc	-	-	-	-	-	-	-	-	-
Paper, printing etc	-	-	-	-	-	-	-	-	-
Other industries	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Transport	**-**	**53**	**-**	**-**	**-**	**59**	**20,940**	**-**	**10,614**
Air	-	-	-	-	-	59	-	-	10,614
Rail	-	-	-	-	-	-	-	-	-
Road	-	53	-	-	-	-	20,940	-	-
National navigation	-	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-	-
Other	**-**	**709**	**116**	**-**	**-**	**-**	**-**	**-**	**-**
Domestic	-	270	68	-	-	-	-	-	-
Public administration	-	-	-	-	-	-	-	-	-
Commercial	-	324	47	-	-	-	-	-	-
Agriculture	-	115	1	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-	-	-
Non energy use	**1,529**	**584**	**342**	**287**	**1,592**	**-**	**-**	**151**	**-**

(1) Includes marine diesel oil.
(2) Stock fall (+), stock rise (-).
(3) Total supply minus total demand.
(4) For further details on non-energy usage see paragraphs 3.38 and 3.39.

Commodity balances 2001 (continued)

Petroleum products

Thousand tonnes

Burning oil	Gas/ Diesel Oil [5]	Fuel oils	Lubri -cants	Bitu -men	Petroleum coke	Misc. products	Total Products	
								Supply
3,088	26,796	11,863	656	1,707	1,445	1,140	82,109	Production
-	-		-	-	-	-	3,575	Other sources
203	4,073	980	319	251	688	22	17,234	Imports
-167	-5,288	-5,440	-806	-269	-460	-277	-19,088	Exports
-	-1,433	-841	-	-	-	-	-2,274	Marine bunkers
+122	+49	+86	-3	-51	-27	-74	-598	Stock change *(2)*
+261	-1,247	-3,174	+51	+303	-	-290	-4,328	Transfers
3,507	**22,950**	**3,474**	**216**	**1,941**	**1,646**	**520**	**76,631**	**Total supply**
-729	-117	-788	-630	+6	+13	-21	+217	**Statistical difference *(3)***
4,236	**23,067**	**4,262**	**846**	**1,934**	**1,633**	**541**	**76,413**	**Total demand**
-	**63**	**1,515**	**-**	**-**	**-**	**-**	**1,793**	**Transformation**
-	32	724	-	-	-	-	971	Electricity generation
-	10	356	-	-	-	-	366	Major power producers
-	22	368	-	-	-	-	605	Autogenerators
-	31	640	-	-	-	-	671	Heat generation
-	-	-	-	-	-	-	-	Petroleum refineries
-	-	-	-	-	-	-	-	Coke manufacture
-	-	151	-	-	-	-	151	Blast furnaces
-	-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	-	Other
-	**48**	**1,684**	**-**	**-**	**931**	**32**	**5,059**	**Energy industry use**
-	-	-	-	-	-	-	-	Electricity generation
-	-	-	-	-	-	-	-	Oil & gas extraction
-	48	1,684	-	-	931	32	5,059	Petroleum refineries
-	-	-	-	-	-	-	-	Coal extraction
-	-	-	-	-	-	-	-	Coke manufacture
-	-	-	-	-	-	-	-	Blast furnaces
-	-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	-	Pumped storage
-	-	-	-	-	-	-	-	Other
-	-	-	-	-	-	-	-	**Losses**
4,236	**22,956**	**1,063**	**846**	**1,934**	**702**	**509**	**69,561**	**Final Consumption**
1,561	**3,319**	**842**	**-**	**-**	**-**	**-**	**6,061**	**Industry**
1,561	-	-	-	-	-	-	1,899	Unclassified
-	1	75	-	-	-	-	76	Iron & steel
-	41	35	-	-	-	-	76	Non-ferrous metals
-	238	31	-	-	-	-	270	Mineral products
-	139	98	-	-	-	-	237	Chemicals
-	169	85	-	-	-	-	254	Mechanical engineering etc
-	24	35	-	-	-	-	59	Electrical engineering etc
-	140	32	-	-	-	-	172	Vehicles
-	200	77	-	-	-	-	277	Food, beverages etc
-	90	69	-	-	-	-	159	Textiles, leather, etc
-	37	69	-	-	-	-	105	Paper, printing etc
-	1,772	232	-	-	-	-	2,004	Other industries
-	469	2	-	-	-	-	472	Construction
12	**17,400**	**34**	**-**	**-**	**-**	**-**	**49,112**	**Transport**
-	-	-	-	-	-	-	10,673	Air
12	598	-	-	-	-	-	610	Rail
-	16,059	-	-	-	-	-	37,052	Road
-	743	34	-	-	-	-	777	National navigation
-	-	-	-	-	-	-	-	Pipelines
2,663	**1,826**	**187**	**-**	**-**	**-**	**-**	**5,501**	**Other**
2,639	193	6	-	-	-	-	3,177	Domestic
12	674	95	-	-	-	-	781	Public administration
-	406	57	-	-	-	-	834	Commercial
12	448	12	-	-	-	-	587	Agriculture
-	105	17	-	-	-	-	123	Miscellaneous
-	**411**	**-**	**846**	**1,934**	**702**	**509**	**8,887**	**Non energy use**

Commodity balances 2000

Petroleum products

Thousand tonnes

	Ethane	Propane	Butane	Other gases	Naphtha	Aviation spirit	Motor spirit	White Spirit & SBP [4]	Aviation turbine fuel
Supply									
Production	52	1,407	512	2,821	3,100	30	23,445	122	6,484
Other sources	1,411	977	995	-	-	-	-	-	-
Imports	-	78	253	-	348	16	2,443	38	4,675
Exports	-	-560	-150	-	-973	-	-4,708	-9	-487
Marine bunkers	-	-	-	-	-	-	-	-	-
Stock change *(2)*	-1	-18	-	+3	-58	+2	+260	-	-25
Transfers	-60	-222	-438	-37	-568	-11	+625	-	+429
Total supply	**1,403**	**1,662**	**1,173**	**2,787**	**1,850**	**37**	**22,066**	**150**	**11,076**
Statistical difference *(3)*	-191	+31	+732	-91	-513	-16	+663	-20	+270
Total demand	**1,593**	**1,631**	**440**	**2,878**	**2,363**	**52**	**21,403**	**170**	**10,806**
Transformation	**-**	**53**	**-**	**179**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	36	-	179	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-	-
Autogenerators	-	36	-	179	-	-	-	-	-
Heat generation	-	17	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Energy industry use	**53**	**16**	**26**	**2,532**	**19**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-	-	-	-
Oil & gas extraction	-	-	-	-	-	-	-	-	-
Petroleum refineries	53	2	-	2,532	19	-	-	-	-
Coal extraction	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-	-
Other	-	14	26	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-
Final consumption	**1,540**	**1,563**	**415**	**166**	**2,344**	**52**	**21,403**	**170**	**10,806**
Industry	**80**	**746**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Unclassified	80	722	-	-	-	-	-	-	-
Iron & steel	-	24	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-
Mineral products	-	-	-	-	-	-	-	-	-
Chemicals	-	-	-	-	-	-	-	-	-
Mechanical engineering, etc	-	-	-	-	-	-	-	-	-
Electrical engineering, etc	-	-	-	-	-	-	-	-	-
Vehicles	-	-	-	-	-	-	-	-	-
Food, beverages, etc	-	-	-	-	-	-	-	-	-
Textiles, leather, etc	-	-	-	-	-	-	-	-	-
Paper, printing etc	-	-	-	-	-	-	-	-	-
Other industries	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Transport	**-**	**-**	**22**	**-**	**-**	**52**	**21,403**	**-**	**10,806**
Air	-	-	-	-	-	52	-	-	10,806
Rail	-	-	-	-	-	-	-	-	-
Road	-	-	22	-	-	-	21,403	-	-
National navigation	-	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-	-
Other	**-**	**147**	**133**	**-**	**-**	**-**	**-**	**-**	**-**
Domestic	-	147	133	-	-	-	-	-	-
Public administration	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-
Agriculture	-	-	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-	-	-
Non energy use	**1,460**	**671**	**259**	**166**	**2,344**	**-**	**-**	**170**	**-**

(1) Includes marine diesel oil.
(2) Stock fall (+), stock rise (-).
(3) Total supply minus total demand.
(4) For further details on non-energy usage see paragraphs 3.38 and 3.39.

Commodity balances 2000 (continued)

Petroleum products

Thousand tonnes

Burning oil	Gas/ Diesel Oil [5]	Fuel oils	Lubri -cants	Bitu -men	Petroleum coke	Misc. products	Total Products	
								Supply
3,078	28,398	11,523	702	1,438	1,891	1,379	86,381	Production
-	-	-	-	-	-	-	3,383	Other sources
86	3,815	596	211	255	657	741	14,212	Imports
-199	-6,416	-5,360	-636	-283	-502	-393	-20,677	Exports
-	-1,141	-938	-	-	-	-	-2,079	Marine bunkers
-70	-54	+266	-26	+25	+36	-672	-331	Stock change *(2)*
+587	-783	-2773	+249	+319	+1	-811	-3,493	Transfers
3,481	**23,820**	**3,313**	**501**	**1,754**	**2,083**	**244**	**77,397**	**Total supply**
-358	+442	-34	-301	-222	+74	-265	+201	**Statistical difference *(3)***
3,839	**23,377**	**3,346**	**801**	**1,975**	**2,010**	**510**	**77,196**	**Total demand**
-	**190**	**1,459**	**-**	**-**	**-**	**-**	**1,881**	**Transformation**
-	158	605	-	-	-	-	978	Electricity generation
-	135	238	-	-	-	-	373	Major power producers
-	23	367	-	-	-	-	605	Autogenerators
-	33	659	-	-	-	-	708	Heat generation
-	-	-	-	-	-	-	-	Petroleum refineries
-	-	-	-	-	-	-	-	Coke manufacture
-	-	195	-	-	-	-	195	Blast furnaces
-	-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	-	Other
-	**169**	**1,227**	**-**	**-**	**1,234**	**15**	**5,291**	**Energy industry use**
-	-	-	-	-	-	-	-	Electricity generation
-	-	-	-	-	-	-	-	Oil & gas extraction
-	169	1,227	-	-	1,234	15	5,252	Petroleum refineries
-	-	-	-	-	-	-	-	Coal extraction
-	-	-	-	-	-	-	-	Coke manufacture
-	-	-	-	-	-	-	-	Blast furnaces
-	-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	-	Pumped storage
-	-	-	-	-	-	-	39	Other
-	-	-	-	-	-	-	-	**Losses**
3,839	**23,017**	**660**	**801**	**1,975**	**776**	**495**	**70,024**	**Final Consumption**
1,312	**2,844**	**501**	**-**	**-**	**-**	**-**	**5,483**	**Industry**
1,312	-	-	-	-	-	-	2,114	Unclassified
-	69	45	-	-	-	-	138	Iron & steel
-	29	10	-	-	-	-	38	Non-ferrous metals
-	195	47	-	-	-	-	242	Mineral products
-	126	77	-	-	-	-	203	Chemicals
-	167	18	-	-	-	-	184	Mechanical engineering etc
-	22	12	-	-	-	-	35	Electrical engineering etc
-	116	9	-	-	-	-	125	Vehicles
-	139	71	-	-	-	-	210	Food, beverages etc
-	53	89	-	-	-	-	142	Textiles, leather, etc
-	21	21	-	-	-	-	42	Paper, printing etc
-	1,481	100	-	-	-	-	1,581	Other industries
-	427	2	-	-	-	-	429	Construction
12	**17,119**	**38**	**-**	**-**	**-**	**-**	**49,452**	**Transport**
-	-	-	-	-	-	-	10,859	Air
12	575	-	-	-	-	-	587	Rail
-	15,632	-	-	-	-	-	37,057	Road
-	912	38	-	-	-	-	950	National navigation
-	-	-	-	-	-	-	-	Pipelines
2,514	**2,118**	**121**	**-**	**-**	**-**	**-**	**5,034**	**Other**
2,490	147	3	-	-	-	-	2,920	Domestic
12	871	79	-	-	-	-	963	Public administration
-	405	27	-	-	-	-	432	Commercial
12	560	10	-	-	-	-	582	Agriculture
-	134	2	-	-	-	-	136	Miscellaneous
-	**936**	**-**	**801**	**1,975**	**776**	**495**	**10,055**	**Non energy use**

Commodity balances 1999

Petroleum products

Thousand tonnes

	Ethane	Propane	Butane	Other gases	Naphtha	Aviation spirit	Motor spirit	White Spirit & SBP [4]	Aviation turbine fuel
Supply									
Production	33	1,505	471	2,815	2,451	16	25,230	129	7,249
Other sources	1,527	865	931	-	-	-	-	-	-
Imports	-	101	264	-	608	15	2,492	62	2,945
Exports	-15	-316	-169	-	-605	-1	-6,332	-15	-739
Marine bunkers	-	-	-	-	-	-	-	-	-
Stock change *(2)*	+1	-24	+3	+1	+113	+7	+125	+11	+173
Transfers	-28	-110	-557	-33	+181	+28	+143	+12	+274
Total supply	**1,518**	**2,021**	**943**	**2,783**	**2,748**	**65**	**21,658**	**199**	**9,903**
Statistical difference *(3)*	-136	+378	+337	-91	-373	+20	-129	+25	-36
Total demand	**1,654**	**1,643**	**607**	**2,874**	**3,121**	**45**	**21,787**	**174**	**9,939**
Transformation	**-**	**53**	**-**	**214**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	37	-	214	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-	-
Autogenerators	-	37	-	214	-	-	-	-	-
Heat generation	-	16	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Energy industry use	**33**	**25**	**25**	**2,454**	**21**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-	-	-	-
Oil & gas extraction	-	-	-	-	-	-	-	-	-
Petroleum refineries	33	1	-	2,454	21	-	-	-	-
Coal extraction	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	3	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-	-
Other	-	21	25	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-
Final consumption	**1,621**	**1,565**	**582**	**208**	**3,100**	**45**	**21,787**	**174**	**9,939**
Industry	**74**	**784**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Unclassified	74	763	-	-	-	-	-	-	-
Iron & steel	-	21	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-
Mineral products	-	-	-	-	-	-	-	-	-
Chemicals	-	-	-	-	-	-	-	-	-
Mechanical engineering, etc	-	-	-	-	-	-	-	-	-
Electrical engineering, etc	-	-	-	-	-	-	-	-	-
Vehicles	-	-	-	-	-	-	-	-	-
Food, beverages, etc	-	-	-	-	-	-	-	-	-
Textiles, leather, etc	-	-	-	-	-	-	-	-	-
Paper, printing etc	-	-	-	-	-	-	-	-	-
Other industries	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Transport	**-**	**-**	**8**	**-**	**-**	**45**	**21,787**	**-**	**9,939**
Air	-	-	-	-	-	45	-	-	9,939
Rail	-	-	-	-	-	-	-	-	-
Road	-	-	8	-	-	-	21,787	-	-
National navigation	-	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-	-
Other	**-**	**139**	**159**	**-**	**-**	**-**	**-**	**-**	**-**
Domestic	-	139	159	-	-	-	-	-	-
Public administration	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-
Agriculture	-	-	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-	-	-
Non energy use	**1,547**	**642**	**415**	**208**	**3,100**	**-**	**-**	**174**	**-**

(1) Includes marine diesel oil.
(2) Stock fall (+), stock rise (-).
(3) Total supply minus total demand.
(4) For further details on non-energy usage see paragraphs 3.38 and 3.39.

Commodity balances 1999 (continued)

Petroleum products

Thousand tonnes

Burning oil	Gas/ Diesel Oil [5]	Fuel oils	Lubri -cants	Bitu -men	Petroleum coke	Misc. products	Total Products	
								Supply
3,553	25,870	12,195	907	1,644	1,813	854	86,733	Production
-	-	-	-	-	-	-	3,323	Other sources
212	5,425	657	182	259	643	31	13,896	Imports
-253	-6,667	-4,929	-673	-271	-642	-103	-21,730	Exports
-	-1,151	-1,179	-	-	-	-	-2,329	Marine bunkers
-82	+231	+65	+123	+4	-40	-134	+577	Stock change *(2)*
+44	-690	-1,683	+110	+380	-6	-170	-2,105	Transfers
3,474	**23,018**	**5,126**	**649**	**2,016**	**1,768**	**478**	**78,365**	**Total supply**
-159	-60	+676	-141	+88	-57	+53	+392	**Statistical difference *(3)***
3,633	**23,078**	**4,450**	**790**	**1,928**	**1,825**	**425**	**77,974**	**Total demand**
-	**123**	**1,753**	**-**	**-**	**-**	**-**	**2,143**	**Transformation**
-	90	826	-	-	-	-	1,167	Electricity generation
-	58	313	-	-	-	-	371	Major power producers
-	32	513	-	-	-	-	796	Autogenerators
-	33	657	-	-	-	-	706	Heat generation
-	-	-	-	-	-	-	-	Petroleum refineries
-	-	-	-	-	-	-	-	Coke manufacture
-	-	270	-	-	-	-	270	Blast furnaces
-	-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	-	Other
-	**116**	**1,754**	**-**	**-**	**1,165**	**-**	**5,593**	**Energy industry use**
-	-	-	-	-	-	-	-	Electricity generation
-	-	-	-	-	-	-	-	Oil & gas extraction
-	115	1,749	-	-	1,165	-	5,538	Petroleum refineries
-	-	-	-	-	-	-	-	Coal extraction
-	-	-	-	-	-	-	-	Coke manufacture
-	-	-	-	-	-	-	3	Blast furnaces
-	-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	-	Pumped storage
-	1	5	-	-	-	-	52	Other
-	-	-	-	-	-	-	-	**Losses**
3,633	**22,839**	**942**	**790**	**1,928**	**660**	**425**	**70,238**	**Final Consumption**
1,211	**2,744**	**521**	**-**	**-**	**-**	**-**	**5,334**	**Industry**
1,211	-	-	-	-	-	-	2,048	Unclassified
-	13	25	-	-	-	-	59	Iron & steel
-	22	16	-	-	-	-	38	Non-ferrous metals
-	155	57	-	-	-	-	212	Mineral products
-	118	39	-	-	-	-	157	Chemicals
-	143	33	-	-	-	-	176	Mechanical engineering etc
-	23	12	-	-	-	-	35	Electrical engineering etc
-	98	21	-	-	-	-	119	Vehicles
-	129	136	-	-	-	-	265	Food, beverages etc
-	39	79	-	-	-	-	118	Textiles, leather, etc
-	24	37	-	-	-	-	61	Paper, printing etc
-	1,514	62	-	-	-	-	1,576	Other industries
-	466	4	-	-	-	-	470	Construction
12	**16,989**	**72**	**-**	**-**	**-**	**-**	**48,852**	**Transport**
-	-	-	-	-	-	-	9,984	Air
12	569	-	-	-	-	-	581	Rail
-	15,508	-	-	-	-	-	37,303	Road
-	912	72	-	-	-	-	984	National navigation
-	-	-	-	-	-	-	-	Pipelines
2,410	**2,262**	**349**	**-**	**-**	**-**	**-**	**5,319**	**Other**
2,386	161	5	-	-	-	-	2,850	Domestic
12	928	203	-	-	-	-	1,143	Public administration
-	442	36	-	-	-	-	478	Commercial
12	589	93	-	-	-	-	694	Agriculture
-	142	12	-	-	-	-	154	Miscellaneous
-	**844**	**-**	**790**	**1,928**	**660**	**425**	**10,733**	**Non energy use**

Commodity balances 1998

Petroleum products

Thousand tonnes

	Ethane	Propane	Butane	Other gases	Naphtha	Aviation spirit	Motor spirit	White Spirit & SBP [4]	Aviation turbine fuel
Supply									
Production	36	1,538	424	2,924	2,333	-	27,166	135	7,876
Other sources	1,215	1,071	1,171	-	-	-	-	-	-
Imports	-	82	158	-	855	32	1,986	51	2,660
Exports	-13	-727	-155	-	-520	-1	-7,986	-32	-828
Marine bunkers	-	-	-	-	-	-	-	-	-
Stock change *(2)*	+1	+38	+1	-1	-117	-6	+244	-8	-60
Transfers	-17	-19	-1,351	-44	-153	-3	+1,103	+81	-131
Total supply	**1,222**	**1,983**	**248**	**2,879**	**2,398**	**22**	**22,513**	**227**	**9,517**
Statistical difference *(3)*	-174	+178	-317	-43	-501	-14	+665	+48	+276
Total demand	**1,396**	**1,805**	**565**	**2,922**	**2,899**	**36**	**21,848**	**179**	**9,241**
Transformation	**-**	**37**	**-**	**218**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	37	-	218	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-	-
Autogenerators	-	37	-	218	-	-	-	-	-
Heat generation	-	-	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Energy industry use	**36**	**28**	**22**	**2,530**	**17**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-	-	-	-
Oil & gas extraction	-	-	-	-	-	-	-	-	-
Petroleum refineries	36	1	-	2,530	17	-	-	-	-
Coal extraction	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	3	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-	-
Other	-	24	22	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-	-
Final consumption	**1,360**	**1,740**	**543**	**174**	**2,882**	**36**	**21,848**	**179**	**9,241**
Industry	**69**	**797**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Unclassified	69	776	-	-	-	-	-	-	-
Iron & steel	-	21	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-	-	-
Mineral products	-	-	-	-	-	-	-	-	-
Chemicals	-	-	-	-	-	-	-	-	-
Mechanical engineering, etc	-	-	-	-	-	-	-	-	-
Electrical engineering, etc	-	-	-	-	-	-	-	-	-
Vehicles	-	-	-	-	-	-	-	-	-
Food, beverages, etc	-	-	-	-	-	-	-	-	-
Textiles, leather, etc	-	-	-	-	-	-	-	-	-
Paper, printing etc	-	-	-	-	-	-	-	-	-
Other industries	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-
Transport	**-**	**-**	**4**	**-**	**-**	**36**	**21,848**	**-**	**9,241**
Air	-	-	-	-	-	36	-	-	9,241
Rail	-	-	-	-	-	-	-	-	-
Road	-	-	4	-	-	-	21,848	-	-
National navigation	-	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-	-
Other	**-**	**149**	**156**	**-**	**-**	**-**	**-**	**-**	**-**
Domestic	-	149	156	-	-	-	-	-	-
Public administration	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-
Agriculture	-	-	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-	-	-
Non energy use	**1,291**	**794**	**383**	**174**	**2,882**	**-**	**-**	**179**	**-**

(1) Includes marine diesel oil.
(2) Stock fall (+), stock rise (-).
(3) Total supply minus total demand.
(4) For further details on non-energy usage see paragraphs 3.38 and 3.39.

Commodity balances 1998 (continued)

Petroleum products

Thousand tonnes

Burning oil	Gas/ Diesel Oil [5]	Fuel oils	Lubri -cants	Bitu -men	Petroleum coke	Misc. products	Total Products	
								Supply
3,442	27,704	13,365	1,125	2,172	1,869	684	92,792	Production
-	-	-	-	-	-	-	3,457	Other sources
131	3,468	791	198	76	883	47	11,418	Imports
-267	-6,201	-5,834	-632	-334	-831	-14	-24,375	Exports
-	-1,396	-1,684	-	-	-	-	-3,080	Marine bunkers
+31	-215	+84	-5	+20	-42	-58	-93	Stock change *(2)*
+166	-63	-949	+71	+57	+8	-11	-1,255	Transfers
3,503	**23,297**	**5,773**	**757**	**1,991**	**1,887**	**648**	**78,864**	**Total supply**
-71	+83	+428	-56	+24	-191	+92	+426	**Statistical difference *(3)***
3,574	**23,214**	**5,345**	**813**	**1,967**	**2,078**	**556**	**78,438**	**Total demand**
-	**76**	**1,332**	**-**	**-**	**-**	**-**	**1,663**	**Transformation**
-	76	1,064	-	-	-	-	1,395	Electricity generation
-	56	700	-	-	-	-	756	Major power producers
-	20	364	-	-	-	-	639	Autogenerators
-	-	-	-	-	-	-	-	Heat generation
-	-	-	-	-	-	-	-	Petroleum refineries
-	-	-	-	-	-	-	-	Coke manufacture
-	-	268	-	-	-	-	268	Blast furnaces
-	-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	-	Other
-	**163**	**2,240**	**-**	**-**	**1,191**	**-**	**6,227**	**Energy industry use**
-	-	-	-	-	-	-	-	Electricity generation
-	-	-	-	-	-	-	-	Oil & gas extraction
-	162	2,240	-	-	1,191	-	6,177	Petroleum refineries
-	-	-	-	-	-	-	-	Coal extraction
-	-	-	-	-	-	-	-	Coke manufacture
-	-	-	-	-	-	-	3	Blast furnaces
-	-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	-	Pumped storage
-	1	-	-	-	-	-	47	Other
-	-	-	-	-	-	-	-	**Losses**
3,574	**22,975**	**1,773**	**813**	**1,967**	**887**	**556**	**70,548**	**Final Consumption**
840	**2,959**	**1,169**	**-**	**-**	**-**	**-**	**5,834**	**Industry**
840	-	-	-	-	-	-	1,685	Unclassified
-	31	29	-	-	-	-	81	Iron & steel
-	22	17	-	-	-	-	39	Non-ferrous metals
-	176	48	-	-	-	-	224	Mineral products
-	153	425	-	-	-	-	578	Chemicals
-	165	34	-	-	-	-	199	Mechanical engineering etc
-	27	61	-	-	-	-	88	Electrical engineering etc
-	93	32	-	-	-	-	125	Vehicles
-	151	246	-	-	-	-	397	Food, beverages etc
-	38	57	-	-	-	-	95	Textiles, leather, etc
-	35	84	-	-	-	-	119	Paper, printing etc
-	1,573	124	-	-	-	-	1,697	Other industries
-	495	12	-	-	-	-	507	Construction
12	**16,672**	**104**	**-**	**-**	**-**	**-**	**47,917**	**Transport**
-	-	-	-	-	-	-	9,277	Air
12	547	-	-	-	-	-	559	Rail
-	15,143	-	-	-	-	-	36,995	Road
-	982	104	-	-	-	-	1,086	National navigation
-	-	-	-	-	-	-	-	Pipelines
2,722	**2,584**	**500**	**-**	**-**	**-**	**-**	**6,111**	**Other**
2,698	191	1	-	-	-	-	3,195	Domestic
12	1,022	364	-	-	-	-	1,398	Public administration
-	512	47	-	-	-	-	559	Commercial
12	698	76	-	-	-	-	786	Agriculture
-	161	12	-	-	-	-	173	Miscellaneous
-	**760**	**-**	**813**	**1,967**	**887**	**556**	**10,686**	**Non energy use**

Commodity balances

Natural gas — GWh

	1998			1999			2000		
	Natural gas	Colliery methane	Total Natural gas	Natural gas	Colliery methane	Total Natural gas	Natural gas	Colliery methane	Total Natural gas
Supply									
Production	1,048,385	474	1,048,859	1,152,154	481	1,152,635	1,260,168	488	1,260,656
Other sources	-	-	-	-	-	-	-	-	-
Imports	10,582	-	10,582	12,862	-	12,862	26,032	-	26,032
Exports	-31,604	-	-31,604	-84,433	-	-84,433	-146,342	-	-146,342
Marine bunkers	-	-	-	-	-	-	-	-	-
Stock change *(1)*	-374	-	-374	+7,787	-	+7,787	-11,068	-	-11,068
Transfers *(2)*	-608	-	-608	-506	-	-506	-442	-	-442
Total supply	**1,026,381**	**474**	**1,026,855**	**1,087,864**	**481**	**1,088,345**	**1,128,348**	**488**	**1,128,836**
Statistical difference *(3)*	+5,295	-	+5,295	+704	-	+704	+2,818	-	+2,818
Total demand	**1,021,086**	**474**	**1,021,560**	**1,087,160**	**481**	**1,087,641**	**1,125,530**	**488**	**1,126,018**
Transformation	**267,703**	**30**	**267,733**	**341,585**	**93**	**341,678**	**349,304**	**150**	**349,454**
Electricity generation	267,703	30	267,733	315,400	93	315,493	324,413	150	324,563
Major power producers	236,300	-	236,300	281,988	-	281,988	283,784	-	283,784
Autogenerators	31,403	30	31,433	33,412	93	33,505	40,629	150	40,779
Heat generation *(4)*	*-(6)*	-	-	26,185	-	26,185	24,891		24,891
Petroleum refineries	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Energy industry use	**75,729**	**264**	**75,993**	**76,735**	**238**	**76,973**	**77,723**	**218**	**77,941**
Electricity generation	-	-	-	-	-	-	-	-	-
Oil and gas extraction	65,500	-	65,500	64,634	-	64,634	65,555	-	65,555
Petroleum refineries	3,753	-	3,753	4,155	-	4,155	3,641	-	3,641
Coal extraction	67	264	331	14	238	252	6	218	224
Coke manufacture	7	-	7	13	-	13	17	-	17
Blast furnaces	527	-	527	643	-	643	712	-	712
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-	-
Other	5,875	-	5,875	7,276	-	7,276	7,792	-	7,792
Losses *(5)*	**16,254**	-	**16,254**	**14,678**	-	**14,678**	**20,480**	-	**20,481**
Final consumption	**661,400**	**180**	**661,580**	**654,162**	**150**	**654,312**	**678,022**	**120**	**678,142**
Industry	**175,904**	**180**	**176,084**	**176,665**	**150**	**176,815**	**183,320**	**120**	**183,441**
Unclassified	-	180	180	-	150	150	-	120	120
Iron and steel	20,105	-	20,105	21,622	-	21,622	8,953	-	8,953
Non-ferrous metals	5,532	-	5,532	5,549	-	5,549	5,900	-	5,900
Mineral products	14,689	-	14,689	14,533	-	14,533	15,851	-	15,851
Chemicals	46,386	-	46,386	46,792	-	46,792	49,546	-	49,546
Mechanical Engineering, etc	10,022	-	10,022	10,173	-	10,173	11,145	-	11,145
Electrical engineering, etc	3,507	-	3,507	3,941	-	3,941	5,281	-	5,281
Vehicles	10,274	-	10,274	10,616	-	10,616	11,760	-	11,760
Food, beverages, etc	27,269	-	27,269	27,901	-	27,901	29,835	-	29,835
Textiles, leather, etc	7,268	-	7,268	6,966	-	6,966	8,454	-	8,454
Paper, printing, etc	14,241	-	14,241	12,532	-	12,532	17,268	-	17,268
Other industries	14,415	-	14,415	13,905	-	13,905	16,261	-	16,261
Construction	2,196	-	2,196	2,135	-	2,135	3,067	-	3,067
Transport	-	-	-	-	-	-	-	-	-
Air	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-
National navigation	-	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-	-
Other	**473,519**	-	**473,519**	**464,553**	-	**464,553**	**480,365**	-	**480,365**
Domestic	355,895	-	355,895	358,066	-	358,066	369,909	-	369,909
Public administration	51,976	-	51,976	43,253	-	43,253	44,552	-	44,552
Commercial	40,722	-	40,722	36,622	-	36,622	36,216	-	36,216
Agriculture	953	-	953	1,155	-	1,155	1,522	-	1,522
Miscellaneous	23,973	-	23,973	25,457	-	25,457	28,166	-	28,166
Non energy use	**11,977**	-	**11,977**	**12,944**	-	**12,944**	**14,336**	-	**14,336**

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

(2) Natural gas used in the manufacture of synthetic coke oven gas.

(3) Total supply minus total demand.

(4) Heat sold to third parties. Heat generation data are not available before 1999. For earlier years gas used to generate heat for sale is allocated to final consumption by sector.

(5) Refers to downstream losses. For an explanation of what is included under these losses, see paragraph 4.36.

Commodity balances (continued)

Natural gas — GWh

	2001			2002			2003		
	Natural gas	Colliery methane	Total Natural gas	Natural gas	Colliery methane	Total Natural gas	Natural gas	Colliery methane	Total Natural gas
Supply									
Production	1,230,533	730	1,231,263	1,204,713	692	1,205,405	1,196,115	915	1,197,030
Other sources	-	-	-	-	-	-	-	-	-
Imports	30,464	-	30,464	60,493	-	60,493	86,298	-	86,298
Exports	-138,330	-	-138,330	-150,731	-	-150,731	-177,039	-	-177,039
Marine bunkers	-	-	-	-	-	-	-	-	-
Stock change *(1)*	-661	-	-661	-7,356	-	-7,356	+3,532	-	+3,532
Transfers *(2)*	-65	-	-65	-99	-	-99	-82	-	-82
Total supply	**1,121,941**	**730**	**1,122,671**	**1,107,020**	**692**	**1,107,712**	**1,108,824**	**915**	**1,109,739**
Statistical difference *(3)*	+2,079	-	+2,079	+1,779	-	+1,779	+748	-	+748
Total demand	**1,119,862**	**730**	**1,120,592**	**1,105,241**	**692**	**1,105,933**	**1,108,076**	**915**	**1,108,991**
Transformation	**336,107**	**418**	**336,525**	**351,450**	**406**	**351,856**	**343,757**	**653**	**344,410**
Electricity generation	312,521	418	312,939	329,441	406	329,847	323,927	653	324,580
Major power producers	276,764	-	276,764	291,264	-	291,264	284,662	-	284,662
Autogenerators	35,757	418	36,175	38,177	406	38,583	39,265	653	39,918
Heat generation *(4)*	23,586		23,586	22,009	-	22,009	19,830		19,830
Petroleum refineries	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Energy industry use	**91,244**	**207**	**91,451**	**91,064**	**196**	**91,260**	**88,720**	**187**	**88,907**
Electricity generation	-	-	-	-	-	-	-	-	-
Oil and gas extraction	78,457	-	78,457	79,364	-	79,364	76,837	-	76,837
Petroleum refineries	4,189	-	4,189	3,350	-	3,350	2,773	-	2,773
Coal extraction	4	207	211	-	196	196	-	187	187
Coke manufacture	9	-	9	-	-	-	1	-	1
Blast furnaces	375	-	375	222	-	222	539	-	539
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-	-
Other	8,210	-	8,210	8,128	-	8,128	8,570	-	8,570
Losses *(5)*	**8,863**	-	**8,863**	**9,666**	-	**9,666**	**6,217**	-	**6,217**
Final consumption	**683,648**	**105**	**683,753**	**653,061**	**90**	**653,151**	**669,382**	**75**	**669,457**
Industry	**179,738**	**105**	**179,843**	**165,076**	**90**	**165,166**	**166,142**	**75**	**166,217**
Unclassified	-	105	105	-	90	90	-	75	75
Iron and steel	8,502	-	8,502	8,791	-	8,791	10,327	-	10,327
Non-ferrous metals	5,663	-	5,663	5,255	-	5,255	4,781	-	4,781
Mineral products	15,565	-	15,565	14,136	-	14,136	14,105	-	14,105
Chemicals	50,064	-	50,064	44,277	-	44,277	45,048	-	45,048
Mechanical Engineering, etc	9,656	-	9,656	9,273	-	9,273	9,126	-	9,126
Electrical engineering, etc	5,022	-	5,022	4,615	-	4,615	4,395	-	4,395
Vehicles	12,035	-	12,035	11,521	-	11,521	11,621	-	11,621
Food, beverages, etc	29,697	-	29,697	28,884	-	28,884	28,799	-	28,799
Textiles, leather, etc	7,966	-	7,966	7,837	-	7,837	7,901	-	7,901
Paper, printing, etc	16,569	-	16,569	15,452	-	15,452	15,898	-	15,898
Other industries	15,741	-	15,741	11,731	-	11,731	11,126	-	11,126
Construction	3,258	-	3,258	3,304	-	3,304	3,015	-	3,015
Transport	-	-	-	-	-	-	-	-	-
Air	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-
National navigation	-	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-	-
Other	**492,537**	-	**492,537**	**477,205**	-	**477,205**	**493,219**	-	**493,219**
Domestic	379,426	-	379,426	376,372	-	376,372	386,486	-	386,486
Public administration	46,232	-	46,232	42,998	-	42,998	44,362	-	44,362
Commercial	37,098	-	37,098	36,224	-	36,224	39,537	-	39,537
Agriculture	2,329	-	2,329	2,346	-	2,346	2,324	-	2,324
Miscellaneous	27,452	-	27,452	19,265	-	19,265	20,510	-	20,510
Non energy use	**11,373**	-	**11,373**	**10,780**	-	**10,780**	**10,021**	-	**10,021**

Commodity balances (continued)

Natural gas — GWh

	2004			2005			2006		
	Natural gas	Colliery methane	Total Natural gas	Natural gas	Colliery methane	Total Natural gas	Natural gas	Colliery methane	Total Natural gas
Supply									
Production	1,120,447	810	1,121,257	1,025,232	757	1,025,989	929,784	754	930,538
Other sources	-	-	-	-	-	-	-	-	-
Imports	133,033	-	133,033	173,328	-	173,328	244,029	-	244,029
Exports	-114,112	-	-114,112	-96,181	-	-96,181	-120,591	-	-120,591
Marine bunkers	-	-	-	-	-	-	-	-	-
Stock change *(1)*	-6,235	-	-6,235	+1,321	-	+1,321	-6,435	-	-6,435
Transfers *(2)*	-39	-	-39	-51	-	-51	-55	-	-55
Total supply	**1,133,094**	**810**	**1,133,904**	**1,103,649**	**757**	**1,104,406**	**1,046,732**	**754**	**1,047,486**
Statistical difference *(3)*	+706	-	+706	+111	-	+111	+168	-	+168
Total demand	**1,132,388**	**810**	**1,133,198**	**1,103,538**	**757**	**1,104,295**	**1,046,564**	**754**	**1,047,318**
Transformation	**362,073**	**595**	**362,668**	**353,558**	**588**	**354,146**	**332,836**	**595**	**333,431**
Electricity generation	340,229	595	340,824	331,070	588	331,658	310,813	595	311,408
Major power producers	304,497	-	304,497	295,643	-	295,643	278,149	-	278,149
Autogenerators	35,733	595	36,328	35,427	588	36,015	32,664	595	33,259
Heat generation *(4)*	21,844		21,844	22,488		22,488	22,023	-	22,023
Petroleum refineries	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Energy industry use	**88,318**	**150**	**88,468**	**87,047**	**114**	**87,161**	**81,747**	**112**	**81,859**
Electricity generation	-	-	-	-	-	-	-	-	-
Oil and gas extraction	77,753	-	77,753	73,372	-	73,372	69,252	-	69,252
Petroleum refineries	3,076	-	3,076	5,163	-	5,163	5,161	-	5,161
Coal extraction	-	150	150	-	114	114	-	112	112
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	728	-	728	941	-	941	611	-	611
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-	-
Other	6,761	-	6,761	7,572	-	7,572	6,723	-	6,723
Losses *(5)*	**8,203**	-	**8,203**	**10,964**	-	**10,964**	**11,994**	-	**11,994**
Final consumption	**673,795**	**65**	**673,860**	**651,969**	**55**	**652,024**	**619,988**	**47**	**620,035**
Industry	**153,888**	**65**	**153,953**	**151,386**	**55**	**151,441**	**144,494**	**47**	**144,541**
Unclassified	-	65	65	-	55	55	-	47	47
Iron and steel	9,715	-	9,715	8,453	-	8,453	8,391	-	8,391
Non-ferrous metals	3,199	-	3,199	3,168	-	3,168	3,106	-	3,106
Mineral products	13,401	-	13,401	18,302	-	18,302	17,803	-	17,803
Chemicals	42,002	-	42,002	36,076	-	36,076	34,334	-	34,334
Mechanical Engineering, etc	8,611	-	8,611	8,577	-	8,577	8,180	-	8,180
Electrical engineering, etc	4,158	-	4,158	4,134	-	4,134	3,922	-	3,922
Vehicles	10,228	-	10,228	9,959	-	9,959	9,470	-	9,470
Food, beverages, etc	28,232	-	28,232	24,921	-	24,921	23,714	-	23,714
Textiles, leather, etc	7,120	-	7,120	7,031	-	7,031	6,637	-	6,637
Paper, printing, etc	13,879	-	13,879	17,689	-	17,689	16,518	-	16,518
Other industries	10,413	-	10,413	10,400	-	10,400	9,864	-	9,864
Construction	2,931	-	2,931	2,676	-	2,676	2,555	-	2,555
Transport	-	-	-	-	-	-	-	-	-
Air	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-
National navigation	-	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-	-
Other	**509,886**	-	**509,886**	**492,670**	-	**492,670**	**467,582**	-	**467,582**
Domestic	396,411	-	396,411	381,879	-	381,879	366,928	-	366,928
Public administration	51,934	-	51,934	50,319	-	50,319	45,803	-	45,803
Commercial	37,595	-	37,595	38,197	-	38,197	34,273	-	34,273
Agriculture	2,355	-	2,355	2,261	-	2,261	2,013	-	2,013
Miscellaneous	21,591	-	21,591	20,014	-	20,014	18,564	-	18,564
Non energy use	**10,021**	-	**10,021**	**7,913**	-	**7,913**	**7,913**	-	**7,913**

Commodity balances (continued)

Natural gas

GWh

	2007			2008			2009		
	Natural gas	Colliery methane	Total Natural gas	Natural gas	Colliery methane	Total Natural gas	Natural gas	Colliery methane	Total Natural gas
Supply									
Production	838,092	717	838,809	809,649	740	810,390	693,965	721	694,687
Other sources	-	-	-	-	-	-	-	-	-
Imports	338,026	-	338,026	407,188	-	407,188	457,447	-	457,447
Exports	-123,158	-	-123,158	-122,670	-	-122,670	-137,100	-	-137,100
Marine bunkers	-	-	-	-	-	-	-	-	-
Stock change *(1)*	+5,480	-	+5,480	-3,087	-	-3,087	-4,876	-	-4,876
Transfers *(2)*	-78	-	-78	-68	-	-68	-351	-	-351
Total supply	**1,058,363**	**717**	**1,059,080**	**1,091,012**	**740**	**1,091,753**	**1,009,086**	**721**	**1,009,807**
Statistical difference *(3)*	+207	-	+207	+545	-	+545	-2,136	-	-2,136
Total demand	**1,058,156**	**717**	**1,058,873**	**1,090,467**	**740**	**1,091,207**	**1,011,222**	**721**	**1,011,943**
Transformation	**378,932**	**586**	**379,518**	**401,625**	**611**	**402,236**	**381,507**	**553**	**382,061**
Electricity generation	355,292	586	355,878	376,199	611	376,810	358,750	553	359,303
Major power producers	319,836	-	319,836	344,454	-	344,454	328,249	-	328,249
Autogenerators	35,456	586	36,042	31,745	611	32,357	30,501	553	31,054
Heat generation *(4)*	23,640	-	23,640	25,426	-	25,426	22,758	-	22,758
Petroleum refineries	-	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Energy industry use	**75,934**	**91**	**76,025**	**70,449**	**95**	**70,544**	**69,458**	**139**	**69,597**
Electricity generation	-	-	-	-	-	-	-	-	-
Oil and gas extraction	64,230	-	64,230	61,292	-	61,292	61,110	-	61,110
Petroleum refineries	5,206	-	5,206	1,934	-	1,934	1,601	-	1,601
Coal extraction	-	91	91	85	95	180	78	139	217
Coke manufacture	-	-	-	-	-	-	-	-	-
Blast furnaces	719	-	719	718	-	718	450	-	450
Patent fuel manufacture	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-	-
Other	5,779	-	5,779	6,420	-	6,420	6,218	-	6,218
Losses *(5)*	**12,056**	-	**12,056**	**7,829**	-	**7,829**	**11,144**	-	**11,144**
Final consumption	**591,234**	**40**	**591,274**	**610,564**	**34**	**610,598**	**549,113**	**29**	**549,142**
Industry	**133,310**	**40**	**133,350**	**114,671**	**34**	**114,705**	**91,235**	**29**	**91,264**
Unclassified	-	40	40	-	34	34	-	29	29
Iron and steel	7,323	-	7,323	7,305	-	7,305	5,346	-	5,346
Non-ferrous metals	2,864	-	2,864	2,326	-	2,326	1,633	-	1,633
Mineral products	16,878	-	16,878	22,807	-	22,807	17,664	-	17,664
Chemicals	30,140	-	30,140	20,867	-	20,867	17,452	-	17,452
Mechanical Engineering, etc	7,670	-	7,670	6,736	-	6,736	4,680	-	4,680
Electrical engineering, etc	3,736	-	3,736	3,259	-	3,259	2,519	-	2,519
Vehicles	8,532	-	8,532	3,523	-	3,523	2,730	-	2,730
Food, beverages, etc	22,973	-	22,973	21,008	-	21,008	17,993	-	17,993
Textiles, leather, etc	6,078	-	6,078	6,255	-	6,255	4,908	-	4,908
Paper, printing, etc	15,511	-	15,511	9,449	-	9,449	7,677	-	7,677
Other industries	9,229	-	9,229	6,199	-	6,199	4,900	-	4,900
Construction	2,378	-	2,378	4,937	-	4,937	3,732	-	3,732
Transport	-	-	-	-	-	-	-	-	-
Air	-	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-	-
National navigation	-	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-	-
Other	**447,695**	-	**447,695**	**487,687**	-	**487,687**	**450,991**	-	**450,991**
Domestic	352,868	-	352,868	359,554	-	359,554	344,499	-	344,499
Public administration	42,444	-	42,444	50,099	-	50,099	42,372	-	42,372
Commercial	33,098	-	33,098	63,997	-	63,997	53,025	-	53,025
Agriculture	1,998	-	1,998	1,413	-	1,413	1,468	-	1,468
Miscellaneous	17,286	-	17,286	12,624	-	12,624	9,627	-	9,627
Non energy use	**10,228**	-	**10,228**	**8,206**	-	**8,206**	**6,887**	-	**6,887**

Commodity balances (continued)

Natural gas — GWh

	2010			2011		
	Natural gas	Colliery methane	Total Natural gas	Natural gas	Colliery methane	Total Natural gas
Supply						
Production	664,353	829	665,182	526,030	680	526,711
Other sources	-	-	-	-	-	-
Imports	592,554	-	592,554	588,475	-	588,475
Exports	-176,399	-	-176,399	-183,689	-	-183,689
Marine bunkers	-	-	-	-	-	-
Stock change *(1)*	+15,271	-	+15,271	-22,623	-	-22,623
Transfers *(2)*	-263	-	-263	-60	-	-60
Total supply	**1,095,516**	**829**	**1,096,345**	**908,133**	**680**	**908,813**
Statistical difference *(3)*	-23	-	-23	+208	-	+208
Total demand	**1,095,539**	**829**	**1,096,368**	**907,925**	**680**	**908,605**
Transformation	**400,210**	**618**	**400,828**	**331,514**	**497**	**332,012**
Electricity generation	376,503	618	377,121	308,579	497	309,076
Major power producers	345,685	-	345,685	277,527	-	277,527
Autogenerators	30,818	618	31,436	31,051	497	31,548
Heat generation *(4)*	23,707	-	23,707	22,936	-	22,936
Petroleum refineries	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-
Other	-	-	-	-	-	-
Energy industry use	**71,033**	**186**	**71,219**	**62,743**	**162**	**62,905**
Electricity generation	-	-	-	-	-	-
Oil and gas extraction	61,124	-	61,124	53,163	-	53,163
Petroleum refineries	1,785	-	1,785	1,757	-	1,757
Coal extraction	74	186	260	61	162	223
Coke manufacture	-	-	-	-	-	-
Blast furnaces	641	-	641	453	-	453
Patent fuel manufacture	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-
Other	7,409	-	7,409	7,309	-	7,309
Losses *(5)*	**12,795**	-	**12,795**	**9,926**	-	**9,926**
Final consumption	**611,501**	**25**	**611,526**	**503,741**	**21**	**503,762**
Industry	**98,904**	**25**	**98,929**	**94,494**	**21**	**94,515**
Unclassified	-	25	25	-	21	21
Iron and steel	6,124	-	6,124	5,829	-	5,829
Non-ferrous metals	1,856	-	1,856	1,840	-	1,840
Mineral products	18,562	-	18,562	16,093	-	16,093
Chemicals	17,467	-	17,467	16,034	-	16,034
Mechanical Engineering, etc	5,556	-	5,556	5,661	-	5,661
Electrical engineering, etc	2,635	-	2,635	2,529	-	2,529
Vehicles	3,533	-	3,533	3,762	-	3,762
Food, beverages, etc	19,936	-	19,936	20,516	-	20,516
Textiles, leather, etc	5,425	-	5,425	5,348	-	5,348
Paper, printing, etc	8,140	-	8,140	7,458	-	7,458
Other industries	5,373	-	5,373	5,155	-	5,155
Construction	4,296	-	4,296	4,270	-	4,270
Transport	-	-	-	-	-	-
Air	-	-	-	-	-	-
Rail	-	-	-	-	-	-
Road	-	-	-	-	-	-
National navigation	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-
Other	**504,508**	-	**504,508**	**403,297**	-	**403,297**
Domestic	389,595	-	389,595	293,400	-	293,400
Public administration	45,473	-	45,473	42,960	-	42,960
Commercial	57,320	-	57,320	55,757	-	55,757
Agriculture	1,619	-	1,619	1,351	-	1,351
Miscellaneous	10,501	-	10,501	9,830	-	9,830
Non energy use	**8,089**	-	**8,089**	**5,949**	-	**5,949**

Commodity balances

Electricity

GWh

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2008	2009	2010	2011
Total electricity													
Supply													
Production	361,078	365,250	374,374	382,356	384,594	395,475	391,280	395,430	393,429	384,829	373,069	378,622r	364,516r
Other sources *(1)*	1,624	2,902	2,694	2,422	2,652	2,734	2,649	2,930	3,853	4,089	3,685	3,150	2,906
Imports	12,599	14,507	14,308	10,663	9,182	5,119	9,784	11,160	10,282	12,294	6,609	7,144	8,689
Exports	-131	-263	-134	-264	-768	-2,959	-2,294	-2,839	-2,765	-1,272	-3,748	-4,481	-2,467
Marine bunkers	-	-	-	-	-	-	-	-	-	-	-	-	-
Stock change	-	-	-	-	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-	-	-	-
Total supply	**375,170**	**382,396**	**391,243**	**395,177**	**395,661**	**400,369**	**401,418**	**406,681**	**404,799**	**399,940**	**379,615**	**384,435r**	**373,644r**
Statistical difference *(2)*	+1,861	+1,564	+1,497	+1,167	+983	+2,208	+2,447	+227	+104	+275	+139	-420r	-631r
Total demand	**373,309**	**380,832**	**389,746**	**394,010**	**394,678**	**398,161**	**398,971**	**406,454**	**404,695**	**399,665**	**379,476**	**384,855r**	**374,274r**
Transformation	-	-	-	-	-	-	-	-	-	-	-	-	-
Energy industry use	**29,674**	**29,790**	**30,680**	**30,387**	**31,297**	**32,081**	**29,296**	**30,105**	**32,055**	**29,991**	**29,685**	**28,998r**	**28,319r**
Electricity generation	17,408	16,707	16,304	17,394	17,126	18,136	17,032	17,873	18,503	16,342	16,571	16,112r	16,430r
Oil and gas extraction	537	408	527	675	540	551	558	505	546	598	594	563	576
Petroleum refineries	5,136	4,981	6,362	5,231	6,553	5,769	4,681	4,459	4,660	4,351	4,519	5,034	4,684
Coal extraction and coke manufacture	1,334	1,358	1,283	1,223	1,163	1,190	1,118	1,165	1,133	1,058	1,018	1,040	929
Blast furnaces	948	948	877	885	502	492	468	515	497	452	464	297	253
Patent fuel manufacture	-	-	-	-	-	-	-	-	-	-	-	-	-
Pumped storage	2,594	3,774	3,499	3,210	3,463	3,546	3,497	3,707	4,918	5,371	4,843	4,212	3,843
Other	1,717	1,614	1,828	1,769	1,950	2,398	1,942	1,881	1,798	1,818	1,676	1,740	1,603
Losses	**27,957**	**28,298**	**29,649**	**30,902**	**29,980**	**29,862**	**30,728**	**27,674**	**27,410**	**27,852**	**28,043**	**27,032**	**28,128r**
Final consumption	**315,678**	**322,744**	**329,420**	**332,721**	**333,401**	**336,218**	**338,948**	**348,675**	**345,229**	**341,822**	**321,748**	**328,825r**	**317,827r**
Industry	**107,177**	**110,978**	**114,112**	**111,337**	**110,168**	**109,278**	**111,467**	**116,024**	**114,896**	**114,151**	**99,738**	**104,523r**	**102,361r**
Unclassified	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron and steel	9,571	9,779	6,349	5,303	5,092	5,434	5,412	5,020	5,860	4,657	3,615	3,842	3,852r
Non-ferrous metals	5,698	5,895	6,152	7,324	6,325	7,244	7,468	7,693	7,524	7,391	6,075	6,726	6,971
Mineral products	7,142	7,265	8,109	7,247	7,015	7,451	7,535	7,978	7,869	7,931	7,010	7,266	7,010
Chemicals	20,916	21,677	23,732	21,079	22,361	19,741	19,928	21,125	20,391	20,287	17,702	18,454	17,637
Mechanical engineering, etc	8,520	8,824	9,420	8,569	8,494	8,539	8,410	8,633	8,490	8,614	7,688	7,653	7,261
Electrical engineering, etc	5,996	6,006	6,196	5,697	5,830	5,969	6,609	7,420	7,341	7,397	6,455	6,657	6,383
Vehicles	5,586	5,615	6,316	5,824	5,575	5,610	5,582	5,841	5,748	5,812	5,012	5,284	5,188
Food, beverages, etc	11,852	12,524	11,724	11,570	11,866	11,449	12,048	12,273	12,117	12,257	10,741	11,520	11,319
Textiles, leather, etc	3,666	3,751	3,599	3,303	3,423	3,403	3,333	3,393	3,360	3,395	3,013	3,050	2,992
Paper, printing, etc	10,684	10,989	11,416	11,511	11,688	12,550	13,171	13,225	12,906	12,865	11,069	10,954	10,904
Other industries	16,012	17,125	19,514	22,213	20,799	20,186	20,166	21,495	21,449	21,729	19,771	21,496	21,304
Construction	1,534	1,528	1,586	1,698	1,700	1,701	1,804	1,929	1,840	1,817	1,586	1,621	1,539
Transport *(3)*	**8,511**	**8,579**	**8,623**	**8,828**	**8,454**	**8,212**	**4,058**	**4,059**	**4,002**	**3,954**	**4,051**	**4,251r**	**4,253r**
Air	-	-	-	-	-	-	-	-	-	-	-	-	-
Rail *(4)*	2,700	2,700	2,700	2,700	2,700	2,700	4,039	4,040	3,983	3,936	4,033	4,233r	4,232r
Road *(5)*	-	-	-	-	-	-	19	19	19	18	18	18r	21r
National navigation	-	-	-	-	-	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	**199,990**	**203,187**	**206,685**	**212,557**	**214,779**	**218,728**	**223,423**	**228,591**	**226,331**	**223,717**	**217,959**	**220,052r**	**211,213r**
Domestic	109,410	110,308	111,842	115,337	120,014	123,001	124,200	125,711	124,704	119,800	118,541	118,833r	111,591r
Public administration	21,577	21,951	20,913	21,105	20,357	20,423	20,157	20,028	20,012	20,355	19,442	19,101	18,396
Commercial	64,952	66,748	69,571	72,014	70,363	71,298	75,021	78,850	77,606	79,496	76,176	78,090r	77,278r
Agriculture	4,051	4,180	4,358	4,100	4,045	4,005	4,044	4,002	4,009	4,067	3,801	4,029	3,948
Miscellaneous	-	-	-	-	-	-	-	-	-	-	-	-	-
Non energy use	-	-	-	-	-	-	-	-	-	-	-	-	-

Commodity balances (continued)

Electricity

GWh

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2008	2009	2010	2011
Electricity production													
Total production *(6)*	**361,078**	**365,250**	**374,374**	**382,356**	**384,594**	**395,475**	**391,280**	**395,430**	**393,429**	**384,829**	**373,069**	**378,622r**	**364,516r**
Primary electricity													
Major power producers	**+103,723**	**+99,564**	**+89,394**	**+93,307**	**+91,776**	**+91,254**	**+83,907**	**+85,444**	**+79,144**	**+62,097**	**+79,932**	**73,051r**	**86,414r**
Nuclear	99,486	95,133	85,063	90,093	87,848	88,686	79,999	81,618	75,451	52,486	69,098	62,140	68,980
Large scale hydro *(6)*	4,237	4,431	4,331	3,215	3,927	2,523	3,773	3,637	3,481	3,971	4,029	2,505	4,291
Small scale hydro *(9)*	..	..	..	..	..(7)	44	135	189	212	253	265	198	303
Wind *(5)*	-	-	-	-	-	-	-	-	-	5,388	6,540	8,208r	12,840r
Other generators	**1,757**	**1,756**	**1,701**	**1,805**	**2,119**	**1,948**	**2,875**	**4,008**	**5,136**	**2,668**	**3,695**	**2,951r**	**4,142r**
Nuclear	-	-	-	-	-	-	-	-	-	-	-	-	-
Large scale hydro	674	698	540	630	657	561	788	841	634	629	635	587	698
Small scale hydro *(9)*	206	207	214	210	204	99	148	254	266	288	299	275r	388r
Wind, wave and solar photovoltaics *(7)*	877	851	947	965	1,259	1,288	1,939	2,912	4,236	1,751	2,761	2,090r	3,056r
Secondary electricity													
Major power producers	**228,417**	**234,142**	**249,695**	**257,328**	**259,566**	**268,612**	**271,758**	**273,838**	**278,236**	**289,053**	**258,394**	**271,645r**	**243,141r**
Coal	118,595	102,074	117,025	127,128	120,958	134,023	127,827	130,690	144,947	120,305	99,287	103,941	104,797
Oil	3,442	2,943	2,415	2,472	2,011	2,197	1,883	2,921	3,723	4,557	3,839	2,271	1,074
Gas	105,804	128,365	129,558	126,999	135,741	131,238	140,577	137,483	126,637	161,583	152,598	161,748	132,753
Renewables	576	760	698	729	856	1,154	1,471	2,744	2,928	2,608	2,670	3,685r	4,518r
Other	-	-	-	-	-	-	-	-	-	-	-	-	-
Other generators	**27,181**	**29,788**	**33,584**	**29,915**	**31,133**	**33,660**	**32,740**	**32,140**	**30,914**	**31,011**	**31,048**	**30,975r**	**30,818r**
Coal	4,376	4,106	2,925	4,333	3,321	4,282	3,961	3,947	3,903	4,077	3,751	3,753	3,774
Oil	3,913	3,606	4,109	2,781	2,788	2,397	2,761	2,417	2,450	2,152	2,155	2,532	2,043
Gas	11,994	14,537	18,519	14,906	16,536	17,643	16,487	15,159	14,191	14,636	13,901	13,908	13,767
Renewables	2,661	3,227	3,630	4,318	4,769	5,537	6,469	6,941	6,999	6,958	8,045	8,236r	8,435r
Other	4,237	4,312	4,401	3,577	3,719	3,800	3,062	3,676	3,371	3,188	3,196	2,545r	2,799r
Primary and secondary production *(8)*													
Nuclear	99,486	95,133	85,063	90,093	87,848	88,686	79,999	81,618	75,451	52,486	69,098	62,140	68,980
Hydro	5,117	5,336	5,085	4,055	4,788	3,228	4,844	4,921	4,593	5,141	5,228	3,565r	5,680r
Wind, wave and solar photovoltaics	877	851	947	965	1,259	1,288	1,939	2,912	4,236	7,139	9,302	10,297r	15,896r
Coal	122,971	106,180	119,950	131,461	124,279	138,305	131,788	134,637	148,850	124,381	103,038	107,694	108,571
Oil	7,355	6,549	6,524	5,253	4,799	4,594	4,644	5,338	6,173	6,709	5,995	4,803	3,117
Gas	117,798	142,902	148,077	141,905	152,277	148,881	157,064	152,642	140,828	176,219	166,499	175,656	146,520
Other renewables	3,237	3,987	4,328	5,048	5,625	6,692	7,940	9,685	9,928	9,566	10,714	11,921r	12,953r
Other	4,237	4,312	4,401	3,577	3,719	3,800	3,062	3,676	3,371	3,188	3,196	2,545r	2,799r
Total production	**361,078**	**365,250**	**374,375**	**382,356**	**384,594**	**395,475**	**391,280**	**395,430**	**393,429**	**384,829**	**373,069**	**378,622r**	**364,516r**

(1) Pumped storage production.

(2) Total supply minus total demand.

(3) From 2004, non-traction Transport sector consumption is included under 'Commercial'.

(4) From 2004, this includes light rail and metro systems (eg. London Underground).

(5) Included from 2004.

(6) Excludes pumped storage production.

(7) From 2007, major wind farm companies are included under Major Power Producers, see paragraph 5.68.

(8) These figures are the same as the electricity generated figures in Table 5.5 except that they exclude pumped storage production. Table 5.5 shows that electricity used on works is deducted to obtain electricity supplied. It is electricity supplied that is used to produce Chart 5.2 showing each fuel's share of electricity output (see paragraph 5.31).

(9) A re-assessment in 2004 showed that some small scale hydro output previously classified to Other Generators should be classified to Major Power Producers.

Commodity balances 2011

Renewables and waste

Thousand tonnes of oil equivalent

	Wood waste	Wood	Poultry litter, meat and bone, and farm waste	Straw, SRC, and other plant-based biomass (4)	Sewage gas	Landfill gas
Supply						
Production	383	1,129r	359	748	315	1,681r
Other sources	-	-	-	-	-	-
Imports	29	3	-	876	-	-
Exports	-131	-35	-	-17	-	-
Marine bunkers	-	-	-	-	-	-
Stock change *(1)*	-	-	-	-	-	-
Transfers	-	-	-	-	-	-
Total supply (2)	**282**	**1,097r**	**359**	**1,607r**	**315**	**1,681r**
Statistical difference *(3)*	-	-	-	-	-	-
Total demand	**282**	**1,097r**	**359**	**1,607r**	**315**	**1,681r**
Transformation	**11**	**-**	**313**	**1,352**	**250**	1,668r
Electricity generation	-	-	313	1,317	250	1,668r
Major power producers	-	-	192	961	-	-
Autogenerators	-	-	121	357	250	1,668r
Heat generation	11	-	-	35	-	-
Petroleum refineries	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-
Other	-	-	-	-	-	-
Energy industry use	**-**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-
Oil and gas extraction	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-
Coal extraction	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-r
Pumped storage	-	-	-	-	-	-
Other	-	-	-	-	-	-
Losses	**-**	**-**	-	-	**-**	**-**
Final consumption	**271**	**1,097r**	**45**	**255r**	**64**	**14**
Industry	**271**	**-**	**36**	**107**	**-**	**14**
Unclassified	271	-	36	107	-	14
Iron and steel	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-
Mineral products	-	-	-	-	-	-
Chemicals	-	-	-	-	-	-
Mechanical engineering, etc	-	-	-	-	-	-
Electrical engineering, etc	-	-	-	-	-	-
Vehicles	-	-	-	-	-	-
Food, beverages, etc	-	-	-	-	-	-
Textiles, leather, etc	-	-	-	-	-	-
Paper, printing, etc	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Transport	**-**	**-**	**-**	**-**	**-**	**-**
Air	-	-	-	-	-	-
Rail	-	-	-	-	-	-
Road	-	-	-	-	-	-
National navigation	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-
Other	**-**	1,097r	**10**	148r	**64**	**-**
Domestic	-	1,097r	-	-	-	-
Public administration	-	-	-	-	64	-
Commercial	-	-	-	-	-	-
Agriculture	-	-	10	148r	-	-
Miscellaneous	-	-	-	-	-	-
Non energy use	**-**	**-**	**-**	**-**	**-**	**-**

(1) Stock fall (+), stock rise (-).
(2) Including non-biodegradable wastes, which accounted for 545 ktoe.
(3) Total supply minus total demand.
(4) SRC is short rotation coppice.
(5) Municipal solid waste, general industrial waste and hospital waste.
(6) The amount of shoreline wave and tidal included is less than 0.1 ktoe.

Commodity balances 2011 (continued)

Renewables and waste

Thousand tonnes of oil equivalent

Waste *(5)* and tyres	Geothermal, active solar heat and PV	Heat pumps	Hydro	Wind wave and tidal *(6)*	Liquid biofuels	Total renewables	
							Supply
1,169r	66r	49r	488r	1,346r	182r	7,916r	Production
-	-	-	-	-	-	-	Other sources
-	-	-	-	-	947	1,854	Imports
-	-	-	-	-	-1	-184	Exports
-	-	-	-	-	-	-	Marine bunkers
-	-	-	-	-	-	-	Stock change *(1)*
-	-	-	-	-	-	-	Transfers
1,169r	**66r**	**49r**	**488r**	**1,346r**	**1,128r**	**9,586r**	**Total supply** *(2)*
-	-	-	-	-	-	-	**Statistical difference** *(3)*
1,169r	**66r**	**49r**	**488r**	**1,346r**	**1,128r**	**9,586r**	**Total demand**
1,034r	**21**	**-**	488r	1,346r	**-**	6,484r	**Transformation**
983r	21	-	488r	1,346r	-	6,387r	Electricity generation
110	-	-	395	1,104r	-	2,762r	Major power producers
873r	21	-	93r	242r	-	3,625r	Autogenerators
51	-	-	-	-	-	97	Heat generation
-	-	-	-	-	-	-	Petroleum refineries
-	-	-	-	-	-	-	Coke manufacture
-	-	-	-	-	-	-	Blast furnaces
-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	Other
-	-	-	-	-	-	-	**Energy industry use**
-	-	-	-	-	-	-	Electricity generation
-	-	-	-	-	-	-	Oil and gas extraction
-	-	-	-	-	-	-	Petroleum refineries
-	-	-	-	-	-	-	Coal extraction
-	-	-	-	-	-	-	Coke manufacture
-	-	-	-	-	-	-	Blast furnaces
-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	Pumped storage
-	-	-	-	-	-	-	Other
-	-	-	-	-	-	-	**Losses**
134	**45r**	**49r**	**-**	**-**	**1,128**	**3,102r**	**Final consumption**
77	**-**	**1**	**-**	**-**	**-**	506r	**Industry**
77	-	1	-	-	-	506r	Unclassified
-	-	-	-	-	-	-	Iron and steel
-	-	-	-	-	-	-	Non-ferrous metals
-	-	-	-	-	-	-	Mineral products
-	-	-	-	-	-	-	Chemicals
-	-	-	-	-	-	-	Mechanical engineering, etc
-	-	-	-	-	-	-	Electrical engineering, etc
-	-	-	-	-	-	-	Vehicles
-	-	-	-	-	-	-	Food, beverages, etc
-	-	-	-	-	-	-	Textiles, leather, etc
-	-	-	-	-	-	-	Paper, printing, etc
-	-	-	-	-	-	-	Other industries
-	-	-	-	-	-	-	Construction
-	**-**	**-**	**-**	**-**	**1,128**	**1,128**	**Transport**
-	-	-	-	-	-	-	Air
-	-	-	-	-	-	-	Rail
-	-	-	-	-	1,128	1,128	Road
-	-	-	-	-	-	-	National navigation
-	-	-	-	-	-	-	Pipelines
57	45r	47r	**-**	**-**	**-**	1,468r	**Other**
18	44r	25r	-	-	-	1,185r	Domestic
29	0	-	-	-	-	94	Public administration
9	0	22	-	-	-	32r	Commercial
-	-	-	-	-	-	157r	Agriculture
-	-	-	-	-	-	-	Miscellaneous
-	**-**	**-**	**-**	**-**	**-**	-	**Non energy use**

Commodity balances 2010

Renewables and waste

Thousand tonnes of oil equivalent

	Wood waste	Wood	Poultry litter, meat and bone, and farm waste	Straw, SRC, and other plant-based biomass (3)	Sewage gas	Landfill gas
Supply						
Production	254	1,295	320	498	286	1,663
Other sources	-	-	-	-	-	-
Imports	47	1	-	883	-	-
Exports	-45	-38	-	-24	-	-
Marine bunkers	-	-	-	-	-	-
Stock change *(1)*	-	-	-	-	-	-
Transfers	-	-	-	-	-	-
Total supply	**256**	**1,258**	**320**	**1,357**	**286**	**1,663**
Statistical difference *(2)*	-	-	-	-	-	-
Total demand	**256**	**1,258**	**320**	**1,357**	**286**	**1,663**
Transformation	**2**	**-**	**275**	**1,086**	**229**	**1,650**
Electricity generation	-	-	275	1,086	229	1,650
Major power producers	-	-	190	734	-	-
Autogenerators	-	-	86	353	229	1,650
Heat generation	2	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-
Other	-	-	-	-	-	-
Energy industry use	**-**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-
Oil and gas extraction	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-
Coal extraction	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-
Other	-	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**	**-**
Final consumption	**254**	**1,258**	**45**	**271**	**58**	**14**
Industry	**254**	**-**	**40**	**88**	**-**	**14**
Unclassified	254	-	40	88	-	14
Iron and steel	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-
Mineral products	-	-	-	-	-	-
Chemicals	-	-	-	-	-	-
Mechanical engineering, etc	-	-	-	-	-	-
Electrical engineering, etc	-	-	-	-	-	-
Vehicles	-	-	-	-	-	-
Food, beverages, etc	-	-	-	-	-	-
Textiles, leather, etc	-	-	-	-	-	-
Paper, printing, etc	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Transport	**-**	**-**	**-**	**-**	**-**	**-**
Air	-	-	-	-	-	-
Rail	-	-	-	-	-	-
Road	-	-	-	-	-	-
National navigation	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-
Other	**-**	**1,258**	**5**	**183**	**58**	**-**
Domestic	-	1,258	-	-	-	-
Public administration	-	-	-	-	58	-
Commercial	-	-	-	-	-	-
Agriculture	-	-	5	183	-	-
Miscellaneous	-	-	-	-	-	-
Non energy use	**-**	**-**	**-**	**-**	**-**	**-**

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

(2) Total supply minus total demand.

(3) SRC is short rotation coppice.

(4) Municipal solid waste, general industrial waste and hospital waste.

(5) The amount of shoreline wave and tidal included is less than 0.2 ktoe.

Commodity balances 2010 (continued)

Renewables and waste

Thousand tonnes of oil equivalent

Waste *(4)* and tyres	Geothermal, active solar heat and PV	Heat pumps	Hydro	Wind wave and tidal *(5)*	Liquid biofuels	Total renewables	
							Supply
1,166	44	31	307	882	302	7,048	Production
-	-	-	-	-	-	-	Other sources
-	-	-	-	-	996	1,928	Imports
-	-	-	-	-	-81	-189	Exports
-	-	-	-	-	-	-	Marine bunkers
-	-	-	-	-	-	-	Stock change *(1)*
-	-	-	-	-	-	-	Transfers
1,166	**44**	**31**	**307**	**882**	**1,217**	**8,786**	**Total supply**
-	-	-	-	-	-	-	**Statistical difference** *(2)*
1,166	**44**	**31**	**307**	**882**	**1,217**	**8,786**	**Total demand**
1,039	**4**	**-**	**307**	**882**	**-**	**5,473**	**Transformation**
1,000	4	-	307	882	-	5,432	Electricity generation
90	-	-	232	706	-	1,952	Major power producers
910	4	-	74	176	-	3,480	Autogenerators
39	-	-	-	-	-	41	Heat generation
-	-	-	-	-	-	-	Petroleum refineries
-	-	-	-	-	-	-	Coke manufacture
-	-	-	-	-	-	-	Blast furnaces
-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	Other
-	-	-	-	-	-	-	**Energy industry use**
-	-	-	-	-	-	-	Electricity generation
-	-	-	-	-	-	-	Oil and gas extraction
-	-	-	-	-	-	-	Petroleum refineries
-	-	-	-	-	-	-	Coal extraction
-	-	-	-	-	-	-	Coke manufacture
-	-	-	-	-	-	-	Blast furnaces
-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	Pumped storage
-	-	-	-	-	-	-	Other
-	-	-	-	-	-	-	**Losses**
127	**40**	**31**	**-**	**-**	**1,217**	**3,314**	**Final consumption**
53	**-**	**1**	**-**	**-**	**-**	**449**	**Industry**
53	-	1	-	-	-	449	Unclassified
-	-	-	-	-	-	-	Iron and steel
-	-	-	-	-	-	-	Non-ferrous metals
-	-	-	-	-	-	-	Mineral products
-	-	-	-	-	-	-	Chemicals
-	-	-	-	-	-	-	Mechanical engineering, etc
-	-	-	-	-	-	-	Electrical engineering, etc
-	-	-	-	-	-	-	Vehicles
-	-	-	-	-	-	-	Food, beverages, etc
-	-	-	-	-	-	-	Textiles, leather, etc
-	-	-	-	-	-	-	Paper, printing, etc
-	-	-	-	-	-	-	Other industries
-	-	-	-	-	-	-	Construction
-	-	-	-	-	**1,217**	**1,217**	**Transport**
-	-	-	-	-	-	-	Air
-	-	-	-	-	-	-	Rail
-	-	-	-	-	1,217	1,217	Road
-	-	-	-	-	-	-	National navigation
-	-	-	-	-	-	-	Pipelines
74	**40**	**30**	**-**	**-**	**-**	**1,647**	**Other**
20	39	15	-	-	-	1,332	Domestic
43	0	-	-	-	-	102	Public administration
11	0	15	-	-	-	26	Commercial
-	-	-	-	-	-	188	Agriculture
-	-	-	-	-	-	-	Miscellaneous
-	**-**	**-**	**-**	**-**	**-**	-	**Non energy use**

Commodity balances 2009

Renewables and waste

Thousand tonnes of oil equivalent

	Wood waste	Wood	Poultry litter, meat and bone, and farm waste	Straw, SRC, and other plant-based biomass (3)	Sewage gas	Landfill gas
Supply						
Production	180	988	287	636	249	1,626
Other sources	-	-	-	-	-	-
Imports	68	4	-	423	-	-
Exports	-25	-16	-	-5	-	-
Marine bunkers	-	-	-	-	-	-
Stock change *(1)*	-	-	-	-	-	-
Transfers	-	-	-	-	-	-
Total supply	**223**	**976**	**287**	**1,054**	**249**	**1,626**
Statistical difference *(2)*	-	-	-	-	-	-
Total demand	**223**	**976**	**287**	**1,054**	**249**	**1,626**
Transformation	**-**	**-**	**246**	**858**	**198**	**1,613**
Electricity generation	-	-	246	826	198	1,613
Major power producers	-	-	165	491	-	-
Autogenerators	-	-	81	335	198	1,613
Heat generation	-	-	-	31	-	-
Petroleum refineries	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-
Other	-	-	-	-	-	-
Energy industry use	**-**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-
Oil and gas extraction	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-
Coal extraction	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-
Other	-	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**	**-**
Final consumption	**223**	**976**	**40**	**197**	**51**	**14**
Industry	**223**	**-**	**38**	**69**	**-**	**14**
Unclassified	223	-	38	69	-	14
Iron and steel	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-
Mineral products	-	-	-	-	-	-
Chemicals	-	-	-	-	-	-
Mechanical engineering, etc	-	-	-	-	-	-
Electrical engineering, etc	-	-	-	-	-	-
Vehicles	-	-	-	-	-	-
Food, beverages, etc	-	-	-	-	-	-
Textiles, leather, etc	-	-	-	-	-	-
Paper, printing, etc	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Transport	**-**	**-**	**-**	**-**	**-**	**-**
Air	-	-	-	-	-	-
Rail	-	-	-	-	-	-
Road	-	-	-	-	-	-
National navigation	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-
Other	**-**	**976**	**2**	**128**	**51**	**-**
Domestic	-	976	-	-	-	-
Public administration	-	-	-	-	51	-
Commercial	-	-	-	-	-	-
Agriculture	-	-	2	128	-	-
Miscellaneous	-	-	-	-	-	-
Non energy use	**-**	**-**	**-**	**-**	**-**	**-**

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

(2) Total supply minus total demand.

(3) SRC is short rotation coppice.

(4) Municipal solid waste, general industrial waste and hospital waste.

(5) The amount of shoreline wave and tidal included is less than 0.1 ktoe.

Commodity balances 2009 (continued)

Renewables and waste

Thousand tonnes of oil equivalent

Waste *(4)* and tyres	Geothermal, active solar heat and PV	Heat pumps	Hydro	Wind wave and tidal *(5)*	Liquid biofuels	Total renewables	
							Supply
1,165	36	16	450	798	226	6,656	Production
-	-	-	-	-	-	-	Other sources
-	-	-	-	-	812	1,308	Imports
-	-	-	-	-	-	-46	Exports
-	-	-	-	-	-	-	Marine bunkers
-	-	-	-	-	-	-	Stock change *(1)*
-	-	-	-	-	-	-	Transfers
1,165	**36**	**16**	**450**	**798**	**1,038**	**7,918**	**Total supply**
-	-	-	-	-	-	-	**Statistical difference** *(2)*
1,165	**36**	**16**	**450**	**798**	**1,038**	**7,918**	**Total demand**
1,038	**2**	**-**	**450**	**798**	**-**	**5,201**	**Transformation**
990	2	-	450	798	-	5,122	Electricity generation
87	-	-	369	562	-	1,675	Major power producers
902	2	-	80	236	-	3,447	Autogenerators
48	-	-	-	-	-	79	Heat generation
-	-	-	-	-	-	-	Petroleum refineries
-	-	-	-	-	-	-	Coke manufacture
-	-	-	-	-	-	-	Blast furnaces
-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	Other
-	-	-	-	-	-	-	**Energy industry use**
-	-	-	-	-	-	-	Electricity generation
-	-	-	-	-	-	-	Oil and gas extraction
-	-	-	-	-	-	-	Petroleum refineries
-	-	-	-	-	-	-	Coal extraction
-	-	-	-	-	-	-	Coke manufacture
-	-	-	-	-	-	-	Blast furnaces
-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	Pumped storage
-	-	-	-	-	-	-	Other
-	-	-	-	-	-	-	**Losses**
128	**34**	**16**	**-**	**-**	**1,038**	**2,716**	**Final consumption**
70	**-**	**0**	**-**	**-**	**-**	**415**	**Industry**
70	-	0	-	-	-	415	Unclassified
-	-	-	-	-	-	-	Iron and steel
-	-	-	-	-	-	-	Non-ferrous metals
-	-	-	-	-	-	-	Mineral products
-	-	-	-	-	-	-	Chemicals
-	-	-	-	-	-	-	Mechanical engineering, etc
-	-	-	-	-	-	-	Electrical engineering, etc
-	-	-	-	-	-	-	Vehicles
-	-	-	-	-	-	-	Food, beverages, etc
-	-	-	-	-	-	-	Textiles, leather, etc
-	-	-	-	-	-	-	Paper, printing, etc
-	-	-	-	-	-	-	Other industries
-	-	-	-	-	-	-	Construction
-	-	-	-	-	**1,038**	**1,038**	**Transport**
-	-	-	-	-	-	-	Air
-	-	-	-	-	-	-	Rail
-	-	-	-	-	1,038	1,038	Road
-	-	-	-	-	-	-	National navigation
-	-	-	-	-	-	-	Pipelines
57	**34**	**15**	**-**	**-**	**-**	**1,263**	**Other**
16	33	7	-	-	-	1,032	Domestic
32	0	-	-	-	-	84	Public administration
9	0	8	-	-	-	18	Commercial
-	-	-	-	-	-	130	Agriculture
-	-	-	-	-	-	-	Miscellaneous
-	**-**	**-**	**-**	**-**	**-**	-	**Non energy use**

Commodity balances 2008

Renewables and waste

Thousand tonnes of oil equivalent

	Wood waste	Wood	Poultry litter, meat and bone, and farm waste	Straw, SRC, and other plant-based biomass (3)	Sewage gas	Landfill gas
Supply						
Production	220	896	309	491	230	1,554
Other sources	-	-	-	-	-	-
Imports	-	-	-	433	-	-
Exports	-	-	-	-	-	-
Marine bunkers	-	-	-	-	-	-
Stock change *(1)*	-	-	-	-	-	-
Transfers	-	-	-	-	-	-
Total supply	**220**	**896**	**309**	**924**	**230**	**1,554**
Statistical difference *(2)*	-	-	-	-	-	-
Total demand	**220**	**896**	**309**	**924**	**230**	**1,554**
Transformation	**2**	**-**	**267**	**730**	**180**	**1,540**
Electricity generation	-	-	267	730	180	1,540
Major power producers	-	-	170	541	-	-
Autogenerators	-	-	97	189	180	1,540
Heat generation	2	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-
Other	-	-	-	-	-	-
Energy industry use	**-**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-
Oil and gas extraction	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-
Coal extraction	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-
Other	-	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**	**-**
Final consumption	**218**	**896**	**42**	**194**	**50**	**14**
Industry	**218**	**-**	**40**	**56**	**-**	**14**
Unclassified	218	-	40	56	-	14
Iron and steel	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-
Mineral products	-	-	-	-	-	-
Chemicals	-	-	-	-	-	-
Mechanical engineering, etc	-	-	-	-	-	-
Electrical engineering, etc	-	-	-	-	-	-
Vehicles	-	-	-	-	-	-
Food, beverages, etc	-	-	-	-	-	-
Textiles, leather, etc	-	-	-	-	-	-
Paper, printing, etc	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Transport	**-**	**-**	**-**	**-**	**-**	**-**
Air	-	-	-	-	-	-
Rail	-	-	-	-	-	-
Road	-	-	-	-	-	-
National navigation	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-
Other	**-**	**896**	**2**	**138**	**50**	**-**
Domestic	-	896	-	-	-	-
Public administration	-	-	-	-	50	-
Commercial	-	-	-	-	-	-
Agriculture	-	-	2	138	-	-
Miscellaneous	-	-	-	-	-	-
Non energy use	**-**	**-**	**-**	**-**	**-**	**-**

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

(2) Total supply minus total demand.

(3) SRC is short rotation coppice.

(4) Municipal solid waste, general industrial waste and hospital waste.

(5) The amount of shoreline wave included is less than 0.05 ktoe.

Commodity balances 2008 (continued)

Renewables and waste

Thousand tonnes of oil equivalent

Waste *(4)* and tyres	Geothermal, active solar heat and PV	Heat pumps	Hydro	Wind and wave *(5)*	Liquid biofuels	Total renewables	
							Supply
1,002	32	4	442	612	302	6,094	Production
-	-	-	-	-	-	-	Other sources
-	-	-	-	-	542	975	Imports
-	-	-	-	-	-	-	Exports
-	-	-	-	-	-	-	Marine bunkers
-	-	-	-	-	-	-	Stock change *(1)*
-	-	-	-	-	-	-	Transfers
1,002	**32**	**4**	**442**	**612**	**845**	**7,069**	**Total supply**
-	-	-	-	-	-	-	**Statistical difference** *(2)*
1,002	**32**	**4**	**442**	**612**	**845**	**7,069**	**Total demand**
864	**1**	**-**	**442**	**612**	**-**	**4,639**	**Transformation**
817	1	-	442	612	-	4,590	Electricity generation
93	-	-	363	463	-	1,630	Major power producers
724	1	-	79	149	-	2,960	Autogenerators
47	-	-	-	-	-	49	Heat generation
-	-	-	-	-	-	-	Petroleum refineries
-	-	-	-	-	-	-	Coke manufacture
-	-	-	-	-	-	-	Blast furnaces
-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	Other
-	-	-	-	-	-	-	**Energy industry use**
-	-	-	-	-	-	-	Electricity generation
-	-	-	-	-	-	-	Oil and gas extraction
-	-	-	-	-	-	-	Petroleum refineries
-	-	-	-	-	-	-	Coal extraction
-	-	-	-	-	-	-	Coke manufacture
-	-	-	-	-	-	-	Blast furnaces
-	-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	-	Pumped storage
-	-	-	-	-	-	-	Other
-	-	-	-	-	-	-	**Losses**
138	**30**	**4**	**-**	**-**	**845**	**2,430**	**Final consumption**
86	**-**	**0**	**-**	**-**	**-**	**414**	**Industry**
86	-	0	-	-	-	414	Unclassified
-	-	-	-	-	-	-	Iron and steel
-	-	-	-	-	-	-	Non-ferrous metals
-	-	-	-	-	-	-	Mineral products
-	-	-	-	-	-	-	Chemicals
-	-	-	-	-	-	-	Mechanical engineering, etc
-	-	-	-	-	-	-	Electrical engineering, etc
-	-	-	-	-	-	-	Vehicles
-	-	-	-	-	-	-	Food, beverages, etc
-	-	-	-	-	-	-	Textiles, leather, etc
-	-	-	-	-	-	-	Paper, printing, etc
-	-	-	-	-	-	-	Other industries
-	-	-	-	-	-	-	Construction
-	-	-	-	-	**845**	**845**	**Transport**
-	-	-	-	-	-	-	Air
-	-	-	-	-	-	-	Rail
-	-	-	-	-	845	845	Road
-	-	-	-	-	-	-	National navigation
-	-	-	-	-	-	-	Pipelines
52	**30**	**4**	**-**	**-**	**-**	**1,172**	**Other**
16	30	2	-	-	-	943	Domestic
24	0	-	-	-	-	75	Public administration
11	0	2	-	-	-	14	Commercial
-	-	-	-	-	-	140	Agriculture
-	-	-	-	-	-	-	Miscellaneous
-	**-**	**-**	**-**	**-**	**-**	-	**Non energy use**

Commodity balances 2007

Renewables and waste

Thousand tonnes of oil equivalent

	Wood waste	Wood	Poultry litter, meat and bone, and farm waste	Straw, SRC, and other plant-based biomass (3)	Sewage gas	Landfill gas
Supply						
Production	101	332	270	449	211	1,547
Other sources	-	-	-	-	-	-
Imports	-	-	-	378	-	-
Exports	-	-	-	-	-	-
Marine bunkers	-	-	-	-	-	-
Stock change *(1)*	-	-	-	-	-	-
Transfers	-	-	-	-	-	-
Total supply	**101**	**332**	**270**	**827**	**211**	**1,547**
Statistical difference *(2)*	-	-	-	-	-	-
Total demand	**101**	**332**	**270**	**827**	**211**	**1,547**
Transformation	**-**	**-**	**223**	**714**	**162**	**1,534**
Electricity generation	-	-	223	714	162	1,534
Major power producers	-	-	145	437	-	-
Autogenerators	-	-	77	277	162	1,534
Heat generation	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-
Other	-	-	-	-	-	-
Energy industry use	**-**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-
Oil and gas extraction	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-
Coal extraction	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-
Other	-	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**	**-**
Final consumption	**101**	**332**	**48**	**113**	**49**	**14**
Industry	**101**	**-**	**46**	**25**	**-**	**14**
Unclassified	101	-	46	25	-	14
Iron and steel	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-
Mineral products	-	-	-	-	-	-
Chemicals	-	-	-	-	-	-
Mechanical engineering, etc	-	-	-	-	-	-
Electrical engineering, etc	-	-	-	-	-	-
Vehicles	-	-	-	-	-	-
Food, beverages, etc	-	-	-	-	-	-
Textiles, leather, etc	-	-	-	-	-	-
Paper, printing, etc	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Transport	**-**	**-**	**-**	**-**	**-**	**-**
Air	-	-	-	-	-	-
Rail	-	-	-	-	-	-
Road	-	-	-	-	-	-
National navigation	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-
Other	**-**	**332**	**2**	**87**	**49**	**-**
Domestic	-	332	-	-	-	-
Public administration	-	-	-	-	49	-
Commercial	-	-	-	-	-	-
Agriculture	-	-	2	87	-	-
Miscellaneous	-	-	-	-	-	-
Non energy use	**-**	**-**	**-**	**-**	**-**	**-**

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

(2) Total supply minus total demand.

(3) SRC is short rotation coppice.

(4) Municipal solid waste, general industrial waste and hospital waste.

(5) The amount of shoreline wave included is less than 0.05 ktoe.

Commodity balances 2007 (continued)

Renewables and waste

Thousand tonnes of oil equivalent

Waste *(4)* and tyres	Geothermal, active solar heat and PV	Hydro	Wind and wave *(5)*	Liquid biofuels	Total renewables	
						Supply
956	47	437	453	396	5,200	Production
-	-	-	-	-	-	Other sources
-	-	-	-	76	454	Imports
-	-	-	-	-110	-110	Exports
-	-	-	-	-	-	Marine bunkers
-	-	-	-	-	-	Stock change *(1)*
-	-	-	-	-	-	Transfers
956	**47**	**437**	**453**	**362**	**5,544**	**Total supply**
-	-	-	-	-	-	**Statistical difference** *(2)*
956	**47**	**437**	**453**	**362**	**5,544**	**Total demand**
785	**1**	**437**	**453**	**-**	**4,309**	**Transformation**
785	1	437	453	-	4,309	Electricity generation
93	-	356	307	-	1,338	Major power producers
692	1	80	147	-	2,971	Autogenerators
-	-	-	-	-	-	Heat generation
-	-	-	-	-	-	Petroleum refineries
-	-	-	-	-	-	Coke manufacture
-	-	-	-	-	-	Blast furnaces
-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	Other
-	-	-	-	-	-	**Energy industry use**
-	-	-	-	-	-	Electricity generation
-	-	-	-	-	-	Oil and gas extraction
-	-	-	-	-	-	Petroleum refineries
-	-	-	-	-	-	Coal extraction
-	-	-	-	-	-	Coke manufacture
-	-	-	-	-	-	Blast furnaces
-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	Pumped storage
-	-	-	-	-	-	Other
-	-	-	-	-	-	**Losses**
171	**46**	**-**	**-**	**362**	**1,235**	**Final consumption**
90	**-**	**-**	**-**	**-**	**276**	**Industry**
90	-	-	-	-	276	Unclassified
-	-	-	-	-	-	Iron and steel
-	-	-	-	-	-	Non-ferrous metals
-	-	-	-	-	-	Mineral products
-	-	-	-	-	-	Chemicals
-	-	-	-	-	-	Mechanical engineering, etc
-	-	-	-	-	-	Electrical engineering, etc
-	-	-	-	-	-	Vehicles
-	-	-	-	-	-	Food, beverages, etc
-	-	-	-	-	-	Textiles, leather, etc
-	-	-	-	-	-	Paper, printing, etc
-	-	-	-	-	-	Other industries
-	-	-	-	-	-	Construction
-	-	-	-	**362**	**362**	**Transport**
-	-	-	-	-	-	Air
-	-	-	-	-	-	Rail
-	-	-	-	362	362	Road
-	-	-	-	-	-	National navigation
-	-	-	-	-	-	Pipelines
81	**46**	**-**	**-**	**-**	**597**	**Other**
23	45	-	-	-	400	Domestic
39	0	-	-	-	89	Public administration
19	0	-	-	-	20	Commercial
-	-	-	-	-	89	Agriculture
	-	-	-	-	-	Miscellaneous
-	**-**	**-**	**-**	**-**	-	**Non energy use**

Commodity balances 2006

Renewables and waste

Thousand tonnes of oil equivalent

	Wood waste	Wood	Poultry litter, meat and bone, and farm waste	Straw, SRC, and other plant-based biomass (3)	Sewage gas	Landfill gas
Supply						
Production	97	299	173	558	190	1,465
Other sources	-	-	-	-	-	-
Imports	-	-	-	497	-	-
Exports	-	-	-	-	-	-
Marine bunkers	-	-	-	-	-	-
Stock change *(1)*	-	-	-	-	-	-
Transfers	-	-	-	-	-	-
Total supply	**97**	**299**	**173**	**1,055**	**190**	**1,465**
Statistical difference *(2)*	-	-	-	-	-	-
Total demand	**97**	**299**	**173**	**1,055**	**190**	**1,465**
Transformation	**-**	**-**	**149**	**952**	**146**	**1,451**
Electricity generation	-	-	149	952	146	1,451
Major power producers	-	-	129	555	-	-
Autogenerators	-	-	19	397	146	1,451
Heat generation	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-
Other	-	-	-	-	-	-
Energy industry use	**-**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-
Oil and gas extraction	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-
Coal extraction	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-
Other	-	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**	**-**
Final consumption	**97**	**299**	**25**	**103**	**44**	**14**
Industry	**97**	**-**	**23**	**15**	**-**	**14**
Unclassified	97	-	23	15	-	14
Iron and steel	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-
Mineral products	-	-	-	-	-	-
Chemicals	-	-	-	-	-	-
Mechanical engineering, etc	-	-	-	-	-	-
Electrical engineering, etc	-	-	-	-	-	-
Vehicles	-	-	-	-	-	-
Food, beverages, etc	-	-	-	-	-	-
Textiles, leather, etc	-	-	-	-	-	-
Paper, printing, etc	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Transport	**-**	**-**	**-**	**-**	**-**	**-**
Air	-	-	-	-	-	-
Rail	-	-	-	-	-	-
Road	-	-	-	-	-	-
National navigation	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-
Other	**-**	**299**	**2**	**88**	**44**	**-**
Domestic	-	299	-	-	-	-
Public administration	-	-	-	-	44	-
Commercial	-	-	-	-	-	-
Agriculture	-	-	2	88	-	-
Miscellaneous	-	-	-	-	-	-
Non energy use	**-**	**-**	**-**	**-**	**-**	**-**

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

(2) Total supply minus total demand.

(3) SRC is short rotation coppice.

(4) Municipal solid waste, general industrial waste and hospital waste.

(5) The amount of shoreline wave included is less than 0.05 ktoe.

Commodity balances 2006 (continued)

Renewables and waste

Thousand tonnes of oil equivalent

Waste *(4)* and tyres	Geothermal, active solar heat and PV	Hydro	Wind and wave *(5)*	Liquid biofuels	Total renewables	
						Supply
918	38	395	363	231	4,728	Production
-	-	-	-	-	-	Other sources
-	-	-	-	53	550	Imports
-	-	-	-	-97	-97	Exports
-	-	-	-	-	-	Marine bunkers
-	-	-	-	-	-	Stock change *(1)*
-	-	-	-	-	-	Transfers
918	**38**	**395**	**363**	**188**	**5,181**	**Total supply**
-	-	-	-	-	-	**Statistical difference** *(2)*
918	**38**	**395**	**363**	**188**	**5,181**	**Total demand**
773	**1**	**395**	**363**	**-**	4,229	**Transformation**
773	1	395	363	-	4,229	Electricity generation
96	-	318	-	-	1,097	Major power producers
677	1	77	363	-	3,132	Autogenerators
-	-	-	-	-	-	Heat generation
-	-	-	-	-	-	Petroleum refineries
-	-	-	-	-	-	Coke manufacture
-	-	-	-	-	-	Blast furnaces
-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	Other
-	-	-	-	-	-	**Energy industry use**
-	-	-	-	-	-	Electricity generation
-	-	-	-	-	-	Oil and gas extraction
-	-	-	-	-	-	Petroleum refineries
-	-	-	-	-	-	Coal extraction
-	-	-	-	-	-	Coke manufacture
-	-	-	-	-	-	Blast furnaces
-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	Pumped storage
-	-	-	-	-	-	Other
-	-	-	-	-	-	**Losses**
145	**37**	**-**	**-**	**188**	**952**	**Final consumption**
65	**-**	**-**	**-**	**-**	**213**	**Industry**
65	-	-	-	-	213	Unclassified
-	-	-	-	-	-	Iron and steel
-	-	-	-	-	-	Non-ferrous metals
-	-	-	-	-	-	Mineral products
-	-	-	-	-	-	Chemicals
-	-	-	-	-	-	Mechanical engineering, etc
-	-	-	-	-	-	Electrical engineering, etc
-	-	-	-	-	-	Vehicles
-	-	-	-	-	-	Food, beverages, etc
-	-	-	-	-	-	Textiles, leather, etc
-	-	-	-	-	-	Paper, printing, etc
-	-	-	-	-	-	Other industries
-	-	-	-	-	-	Construction
-	-	-	-	**188**	**188**	**Transport**
-	-	-	-	-	-	Air
-	-	-	-	-	-	Rail
-	-	-	-	188	188	Road
-	-	-	-	-	-	National navigation
-	-	-	-	-	-	Pipelines
81	**37**	**-**	**-**	**-**	**550**	**Other**
23	36	-	-	-	358	Domestic
39	0	-	-	-	83	Public administration
19	0	-	-	-	20	Commercial
-	-	-	-	-	90	Agriculture
	-	-	-	-	-	Miscellaneous
-	**-**	**-**	**-**	**-**	-	**Non energy use**

Commodity balances 2005

Renewables and waste

Thousand tonnes of oil equivalent

	Wood waste	Wood	Poultry litter, meat and bone, and farm waste	Straw, SRC, and other plant-based biomass (3)	Sewage gas	Landfill gas
Supply						
Production	93	266	176	632	206	1,421
Other sources	-	-	-	-	-	-
Imports	-	-	-	421	-	-
Exports	-	-	-	-	-	-
Marine bunkers	-	-	-	-	-	-
Stock change *(1)*	-	-	-	-	-	-
Transfers	-	-	-	-	-	-
Total supply	**93**	**266**	**176**	**1,052**	**206**	**1,421**
Statistical difference *(2)*	-	-	-	-	-	-
Total demand	**93**	**266**	**176**	**1,052**	**206**	**1,421**
Transformation	**-**	**-**	**162**	**960**	**153**	**1,407**
Electricity generation	-	-	162	960	153	1,407
Major power producers	-	-	138	582	-	-
Autogenerators	-	-	23	378	153	1,407
Heat generation	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-
Other	-	-	-	-	-	-
Energy industry use	**-**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-
Oil and gas extraction	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-
Coal extraction	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-
Other	-	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**	**-**
Final consumption	**93**	**266**	**14**	**92**	**53**	**14**
Industry	**93**	**-**	**12**	**14**	**-**	**14**
Unclassified	93	-	12	14	-	14
Iron and steel	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-
Mineral products	-	-	-	-	-	-
Chemicals	-	-	-	-	-	-
Mechanical engineering, etc	-	-	-	-	-	-
Electrical engineering, etc	-	-	-	-	-	-
Vehicles	-	-	-	-	-	-
Food, beverages, etc	-	-	-	-	-	-
Textiles, leather, etc	-	-	-	-	-	-
Paper, printing, etc	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Transport	**-**	**-**	**-**	**-**	**-**	**-**
Air	-	-	-	-	-	-
Rail	-	-	-	-	-	-
Road	-	-	-	-	-	-
National navigation	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-
Other	**-**	**266**	**2**	**79**	**53**	**-**
Domestic	-	266	-	-	-	-
Public administration	-	-	-	-	53	-
Commercial	-	-	-	-	-	-
Agriculture	-	-	2	79	-	-
Miscellaneous	-	-	-	-	-	-
Non energy use	**-**	**-**	**-**	**-**	**-**	**-**

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

(2) Total supply minus total demand.

(3) SRC is short rotation coppice.

(4) Municipal solid waste, general industrial waste and hospital waste.

(5) The amount of shoreline wave included is less than 0.05 ktoe.

Commodity balances 2005 (continued)

Renewables and waste

Thousand tonnes of oil equivalent

Waste *(4)* and tyres	Geothermal, active solar heat and PV	Hydro	Wind and wave *(5)*	Liquid biofuels	Total renewables	
						Supply
849	31	423	250	8	4,354	Production
-	-	-	-	-	-	Other sources
-	-	-	-	66	487	Imports
-	-	-	-	-	-	Exports
-	-	-	-	-	-	Marine bunkers
-	-	-	-	-	-	Stock change *(1)*
-	-	-	-	-	-	Transfers
849	**31**	**423**	**250**	**74**	**4,841**	**Total supply**
-	-	-	-	-	-	**Statistical difference** *(2)*
849	**31**	**423**	**250**	**74**	**4,841**	**Total demand**
688	**1**	**423**	**250**	**-**	**4,043**	**Transformation**
688	1	423	250	-	4,043	Electricity generation
89	-	329	-	-	1,139	Major power producers
599	1	94	250	-	2,905	Autogenerators
-	-	-	-	-	-	Heat generation
-	-	-	-	-	-	Petroleum refineries
-	-	-	-	-	-	Coke manufacture
-	-	-	-	-	-	Blast furnaces
-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	Other
-	-	-	-	-	-	**Energy industry use**
-	-	-	-	-	-	Electricity generation
-	-	-	-	-	-	Oil and gas extraction
-	-	-	-	-	-	Petroleum refineries
-	-	-	-	-	-	Coal extraction
-	-	-	-	-	-	Coke manufacture
-	-	-	-	-	-	Blast furnaces
-	-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	-	Pumped storage
-	-	-	-	-	-	Other
-	-	-	-	-	-	**Losses**
161	**30**	**-**	**-**	**74**	**798**	**Final consumption**
68	**-**	**-**	**-**	**-**	**201**	**Industry**
68	-	-	-	-	201	Unclassified
-	-	-	-	-	-	Iron and steel
-	-	-	-	-	-	Non-ferrous metals
-	-	-	-	-	-	Mineral products
-	-	-	-	-	-	Chemicals
-	-	-	-	-	-	Mechanical engineering, etc
-	-	-	-	-	-	Electrical engineering, etc
-	-	-	-	-	-	Vehicles
-	-	-	-	-	-	Food, beverages, etc
-	-	-	-	-	-	Textiles, leather, etc
-	-	-	-	-	-	Paper, printing, etc
-	-	-	-	-	-	Other industries
-	-	-	-	-	-	Construction
-	-	-	-	**74**	**74**	**Transport**
-	-	-	-	-	-	Air
-	-	-	-	-	-	Rail
-	-	-	-	74	74	Road
-	-	-	-	-	-	National navigation
-	-	-	-	-	-	Pipelines
93	**30**	**-**	**-**	**-**	**523**	**Other**
23	29	-	-	-	318	Domestic
51	0	-	-	-	105	Public administration
19	0	-	-	-	20	Commercial
-	-	-	-	-	81	Agriculture
	-	-	-	-	-	Miscellaneous
-	-	-	-	-	-	**Non energy use**

Commodity balances 2004

Renewables and waste

Thousand tonnes of oil equivalent

	Wood waste	Wood	Poultry litter, meat and bone, and farm waste	Straw, SRC, and other plant-based biomass (3)	Sewage gas	Landfill gas
Supply						
Production	196	204	184	124	177	1,327
Other sources	-	-	-	-	-	-
Imports	-	-	-	402	-	-
Exports	-	-	-	-	-	-
Marine bunkers	-	-	-	-	-	-
Stock change *(1)*	-	-	-	-	-	-
Transfers	-	-	-	-	-	-
Total supply	**196**	**204**	**184**	**526**	**177**	**1,327**
Statistical difference *(2)*	-	-	-	-	-	-
Total demand	**196**	**204**	**184**	**526**	**177**	**1,327**
Transformation	**-**	**-**	**182**	**454**	**124**	**1,313**
Electricity generation	-	-	182	454	124	1,313
Major power producers	-	-	159	290	-	-
Autogenerators	-	-	23	164	124	1,313
Heat generation	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-
Other	-	-	-	-	-	-
Energy industry use	**-**	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-	-
Oil and gas extraction	-	-	-	-	-	-
Petroleum refineries	-	-	-	-	-	-
Coal extraction	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-
Other	-	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**	**-**
Final consumption	**196**	**204**	**2**	**72**	**53**	**14**
Industry	**196**	**-**	**-**	**-**	**-**	**14**
Unclassified	196	-	-	-	-	14
Iron and steel	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-
Mineral products	-	-	-	-	-	-
Chemicals	-	-	-	-	-	-
Mechanical engineering, etc	-	-	-	-	-	-
Electrical engineering, etc	-	-	-	-	-	-
Vehicles	-	-	-	-	-	-
Food, beverages, etc	-	-	-	-	-	-
Textiles, leather, etc	-	-	-	-	-	-
Paper, printing, etc	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Construction	-	-	-	-	-	-
Transport	**-**	**-**	**-**	**-**	**-**	**-**
Air	-	-	-	-	-	-
Rail	-	-	-	-	-	-
Road	-	-	-	-	-	-
National navigation	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-
Other	**-**	**204**	**2**	**72**	**53**	**-**
Domestic	-	204	-	-	-	-
Public administration	-	-	-	-	53	-
Commercial	-	-	-	-	-	-
Agriculture	-	-	2	72	-	-
Miscellaneous	-	-	-	-	-	-
Non energy use	**-**	**-**	**-**	**-**	**-**	**-**

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

(2) Total supply minus total demand.

(3) SRC is short rotation coppice.

(4) Municipal solid waste, general industrial waste and hospital waste.

(5) The amount of shoreline wave included is less than 0.05 ktoe.

Commodity balances 2004 (continued)

Renewables and waste

Thousand tonnes of oil equivalent

Waste *(4)* and tyres	Geothermal, active solar heat and PV	Hydro	Wind and wave *(5)*	Total renewables	
					Supply
843	26	417	166	3,663	Production
-	-	-	-	-	Other sources
-	-	-	-	402	Imports
-	-	-	-	-	Exports
-	-	-	-	-	Marine bunkers
-	-	-	-	-	Stock change *(1)*
-	-	-	-	-	Transfers
843	**26**	**417**	**166**	**4,065**	**Total supply**
-	-	-	-	-	**Statistical difference** *(2)*
843	**26**	**417**	**166**	**4,065**	**Total demand**
693	**0**	**417**	**166**	**3,350**	**Transformation**
693	0	417	166	3,350	Electricity generation
90	-	337	-	876	Major power producers
603	0	80	166	2,474	Autogenerators
-	-	-	-	-	Heat generation
-	-	-	-	-	Petroleum refineries
-	-	-	-	-	Coke manufacture
-	-	-	-	-	Blast furnaces
-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	Other
-	-	-	-	-	**Energy industry use**
-	-	-	-	-	Electricity generation
-	-	-	-	-	Oil and gas extraction
-	-	-	-	-	Petroleum refineries
-	-	-	-	-	Coal extraction
-	-	-	-	-	Coke manufacture
-	-	-	-	-	Blast furnaces
-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	Pumped storage
-	-	-	-	-	Other
-	-	-	-	-	**Losses**
149	**25**	**-**	**-**	**715**	**Final consumption**
56	**-**	**-**	**-**	**265**	**Industry**
56	-	-	-	265	Unclassified
-	-	-	-	-	Iron and steel
-	-	-	-	-	Non-ferrous metals
-	-	-	-	-	Mineral products
-	-	-	-	-	Chemicals
-	-	-	-	-	Mechanical engineering, etc
-	-	-	-	-	Electrical engineering, etc
-	-	-	-	-	Vehicles
-	-	-	-	-	Food, beverages, etc
-	-	-	-	-	Textiles, leather, etc
-	-	-	-	-	Paper, printing, etc
-	-	-	-	-	Other industries
-	-	-	-	-	Construction
-	-	-	-	-	**Transport**
-	-	-	-	-	Air
-	-	-	-	-	Rail
-	-	-	-	-	Road
-	-	-	-	-	National navigation
-	-	-	-	-	Pipelines
93	**25**	**-**	**-**	**449**	**Other**
23	25	-	-	252	Domestic
51	-	-	-	104	Public administration
19	-	-	-	19	Commercial
-	-	-	-	74	Agriculture
-	-	-	-	-	Miscellaneous
-	**-**	**-**	**-**	**-**	**Non energy use**

Commodity balances 2003

Renewables and waste

Thousand tonnes of oil equivalent

	Wood waste	Wood	Poultry litter, meat and bone, biomass, straw, farm waste and SRC *(3)*	Sewage gas	Landfill gas	
Supply						
Production	196	204	460	165	1,088	
Other sources	-	-	-	-	-	
Imports	-	-	110	-	-	
Exports	-	-	-	-	-	
Marine bunkers	-	-	-	-	-	
Stock change *(1)*	-	-	-	-	-	
Transfers	-	-	-	-	-	
Total supply	**196**	**204**	**570**	**165**	**1,088**	
Statistical difference *(2)*	-	-	-	-	-	
Total demand	**196**	**204**	**570**	**165**	**1,088**	
Transformation	**-**	**-**	**499**	**113**	**1,075**	
Electricity generation	-	-	499	113	1,075	
Major power producers	-	-	292	-	-	
Autogenerators	-	-	207	113	1,075	
Heat generation	-	-	-	-	-	
Petroleum refineries	-	-	-	-	-	
Coke manufacture	-	-	-	-	-	
Blast furnaces	-	-	-	-	-	
Patent fuel manufacture	-	-	-	-	-	
Other	-	-	-	-	-	
Energy industry use	**-**	**-**	**-**	**-**	**-**	
Electricity generation	-	-	-	-	-	
Oil and gas extraction	-	-	-	-	-	
Petroleum refineries	-	-	-	-	-	
Coal extraction	-	-	-	-	-	
Coke manufacture	-	-	-	-	-	
Blast furnaces	-	-	-	-	-	
Patent fuel manufacture	-	-	-	-	-	
Pumped storage	-	-	-	-	-	
Other	-	-	-	-	-	
Losses	**-**	**-**	**-**	**-**	**-**	
Final consumption	**196**	**204**	**72**	**53**	**14**	
Industry	**196**	**-**	**-**	**-**	**14**	
Unclassified	196	-	-	-	14	
Iron and steel	-	-	-	-	-	
Non-ferrous metals	-	-	-	-	-	
Mineral products	-	-	-	-	-	
Chemicals	-	-	-	-	-	
Mechanical engineering, etc	-	-	-	-	-	
Electrical engineering, etc	-	-	-	-	-	
Vehicles	-	-	-	-	-	
Food, beverages, etc	-	-	-	-	-	
Textiles, leather, etc	-	-	-	-	-	
Paper, printing, etc	-	-	-	-	-	
Other industries	-	-	-	-	-	
Construction	-	-	-	-	-	
Transport	**-**	**-**	**-**	**-**	**-**	
Air	-	-	-	-	-	
Rail	-	-	-	-	-	
Road	-	-	-	-	-	
National navigation	-	-	-	-	-	
Pipelines	-	-	-	-	-	
Other	**-**	**204**	**72**	**53**	**-**	
Domestic	-	204	-	-	-	
Public administration	-	-	-	53	-	
Commercial	-	-	-	-	-	
Agriculture	-	-	72	-	-	
Miscellaneous	-	-	-	-	-	-
Non energy use	**-**	**-**	**-**	**-**	**-**	

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

(2) Total supply minus total demand.

(3) SRC is short rotation coppice and other energy crops.

(4) Municipal solid waste, general industrial waste and hospital waste.

(5) The amount of shoreline wave included is less than 0.05 ktoe.

Commodity balances 2003 (continued)

Renewables and waste

Thousand tonnes of oil equivalent

Waste *(4)* and tyres	Geothermal and active solar heat	Hydro	Wind and wave *(5)*	Total renewables	
					Supply
874	21	278	111	3,396	Production
-	-	-	-	-	Other sources
-	-	-	-	110	Imports
-	-	-	-	-	Exports
-	-	-	-	-	Marine bunkers
-	-	-	-	-	Stock change *(1)*
-	-	-	-	-	Transfers
874	**21**	**278**	**111**	**3,506**	**Total supply**
-	-	-	-	-	**Statistical difference** *(2)*
874	**21**	**278**	**111**	**3,506**	**Total demand**
723	**-**	**278**	**111**	**2,796**	**Transformation**
723	-	278	111	2,796	Electricity generation
89	-	221	-	602	Major power producers
634	-	57	111	2,194	Autogenerators
-	-	-	-	-	Heat generation
-	-	-	-	-	Petroleum refineries
-	-	-	-	-	Coke manufacture
-	-	-	-	-	Blast furnaces
-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	Other
-	-	-	-	-	**Energy industry use**
-	-	-	-	-	Electricity generation
-	-	-	-	-	Oil and gas extraction
-	-	-	-	-	Petroleum refineries
-	-	-	-	-	Coal extraction
-	-	-	-	-	Coke manufacture
-	-	-	-	-	Blast furnaces
-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	Pumped storage
-	-	-	-	-	Other
-	-	-	-	-	**Losses**
151	**21**	**-**	**-**	**710**	**Final consumption**
58	**-**	**-**	**-**	**267**	**Industry**
58	-	-	-	267	Unclassified
-	-	-	-	-	Iron and steel
-	-	-	-	-	Non-ferrous metals
-	-	-	-	-	Mineral products
-	-	-	-	-	Chemicals
-	-	-	-	-	Mechanical engineering, etc
-	-	-	-	-	Electrical engineering, etc
-	-	-	-	-	Vehicles
-	-	-	-	-	Food, beverages, etc
-	-	-	-	-	Textiles, leather, etc
-	-	-	-	-	Paper, printing, etc
-	-	-	-	-	Other industries
-	-	-	-	-	Construction
-	-	-	-	-	**Transport**
-	-	-	-	-	Air
-	-	-	-	-	Rail
-	-	-	-	-	Road
-	-	-	-	-	National navigation
-	-	-	-	-	Pipelines
93	**21**	**-**	**-**	**443**	**Other**
23	21	-	-	247	Domestic
51	-	-	-	104	Public administration
19	-	-	-	19	Commercial
-	-	-	-	72	Agriculture
-	-	-	-	-	Miscellaneous
-	**-**	**-**	**-**	**-**	**Non energy use**

Commodity balances 2002

Renewables and waste

Thousand tonnes of oil equivalent

	Wood waste	Wood	Poultry litter, meat and bone, straw, farm waste and SRC *(3)*	Sewage gas	Landfill gas	
Supply						
Production	196	204	439	174	892	
Other sources	-	-	-	-	-	
Imports	-	-	-	-	-	
Exports	-	-	-	-	-	
Marine bunkers	-	-	-	-	-	
Stock change *(1)*	-	-	-	-	-	
Transfers	-	-	-	-	-	
Total supply	**196**	**204**	**439**	174	**892**	
Statistical difference *(2)*	-	-	-	-	-	
Total demand	**196**	**204**	**439**	**174**	**892**	
Transformation	**-**	**-**	**368**	**121**	**879**	
Electricity generation	-	-	368	121	879	
Major power producers	-	-	185	-	-	
Autogenerators	-	-	183	121	879	
Heat generation	-	-	-	-	-	
Petroleum refineries	-	-	-	-	-	
Coke manufacture	-	-	-	-	-	
Blast furnaces	-	-	-	-	-	
Patent fuel manufacture	-	-	-	-	-	
Other	-	-	-	-	-	
Energy industry use	**-**	**-**	**-**	**-**	**-**	
Electricity generation	-	-	-	-	-	
Oil and gas extraction	-	-	-	-	-	
Petroleum refineries	-	-	-	-	-	
Coal extraction	-	-	-	-	-	
Coke manufacture	-	-	-	-	-	
Blast furnaces	-	-	-	-	-	
Patent fuel manufacture	-	-	-	-	-	
Pumped storage	-	-	-	-	-	
Other	-	-	-	-	-	
Losses	**-**	**-**	**-**	**-**	**-**	
Final consumption	**196**	**204**	**72**	**53**	**14**	
Industry	**196**	**-**	**-**	**-**	**14**	
Unclassified	196	-	-	-	14	
Iron and steel	-	-	-	-	-	
Non-ferrous metals	-	-	-	-	-	
Mineral products	-	-	-	-	-	
Chemicals	-	-	-	-	-	
Mechanical engineering, etc	-	-	-	-	-	
Electrical engineering, etc	-	-	-	-	-	
Vehicles	-	-	-	-	-	
Food, beverages, etc	-	-	-	-	-	
Textiles, leather, etc	-	-	-	-	-	
Paper, printing, etc	-	-	-	-	-	
Other industries	-	-	-	-	-	
Construction	-	-	-	-	-	
Transport	**-**	**-**	**-**	**-**	**-**	
Air	-	-	-	-	-	
Rail	-	-	-	-	-	
Road	-	-	-	-	-	
National navigation	-	-	-	-	-	
Pipelines	-	-	-	-	-	
Other	**-**	**204**	**72**	**53**	**-**	
Domestic	-	204	-	-	-	
Public administration	-	-	-	53	-	
Commercial	-	-	-	-	-	
Agriculture	-	-	72	-	-	
Miscellaneous	-	-	-	-	-	-
Non energy use	**-**	**-**	**-**	**-**	**-**	

(1) Stock fall (+), stock rise (-).
(2) Total supply minus total demand.
(3) SRC is short rotation coppice and other energy crops.
(4) Municipal solid waste, general industrial waste and hospital waste.
(5) The amount of shoreline wave included is less than 0.05 ktoe.

Commodity balances 2002 (continued)

Renewables and waste

Thousand tonnes of oil equivalent

Waste *(4)* and tyres	Geothermal and active solar heat	Hydro	Wind and wave *(5)*	Total renewables	
					Supply
832	17	412	108	3,275	Production
-	-	-	-	-	Other sources
-	-	-	-	-	Imports
-	-	-	-	-	Exports
-	-	-	-	-	Marine bunkers
-	-	-	-	-	Stock change *(1)*
-	-	-	-	-	Transfers
832	**17**	**412**	**108**	**3,275**	**Total supply**
-	-	-	-	-	**Statistical difference** *(2)*
832	**17**	**412**	**108**	**3,275**	**Total demand**
706	**-**	**412**	**108**	**2,593**	**Transformation**
706	-	412	108	2,593	Electricity generation
90	-	338	-	613	Major power producers
616	-	74	108	1,981	Autogenerators
-	-	-	-	-	Heat generation
-	-	-	-	-	Petroleum refineries
-	-	-	-	-	Coke manufacture
-	-	-	-	-	Blast furnaces
-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	Other
-	-	-	-	-	**Energy industry use**
-	-	-	-	-	Electricity generation
-	-	-	-	-	Oil and gas extraction
-	-	-	-	-	Petroleum refineries
-	-	-	-	-	Coal extraction
-	-	-	-	-	Coke manufacture
-	-	-	-	-	Blast furnaces
-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	Pumped storage
-	-	-	-	-	Other
-	-	-	-	-	**Losses**
126	**17**	**-**	**-**	**682**	**Final consumption**
41	**-**	**-**	**-**	**250**	**Industry**
41	-	-	-	250	Unclassified
-	-	-	-	-	Iron and steel
-	-	-	-	-	Non-ferrous metals
-	-	-	-	-	Mineral products
-	-	-	-	-	Chemicals
-	-	-	-	-	Mechanical engineering, etc
-	-	-	-	-	Electrical engineering, etc
-	-	-	-	-	Vehicles
-	-	-	-	-	Food, beverages, etc
-	-	-	-	-	Textiles, leather, etc
-	-	-	-	-	Paper, printing, etc
-	-	-	-	-	Other industries
-	-	-	-	-	Construction
-	-	-	-	-	**Transport**
-	-	-	-	-	Air
-	-	-	-	-	Rail
-	-	-	-	-	Road
-	-	-	-	-	National navigation
-	-	-	-	-	Pipelines
85	**17**	**-**	**-**	**432**	**Other**
23	17	-	-	243	Domestic
43	-	-	-	97	Public administration
19	-	-	-	19	Commercial
-	-	-	-	72	Agriculture
-	-	-	-	-	Miscellaneous
-	**-**	**-**	**-**	**-**	**Non energy use**

Commodity balances 2001

Renewables and waste

Thousand tonnes of oil equivalent

	Wood waste	Wood	Poultry litter, meat and bone, straw, farm waste and SRC *(3)*	Sewage gas	Landfill gas
Supply					
Production	196	204	354	168	836
Other sources	-	-	-	-	-
Imports	-	-	-	-	-
Exports	-	-	-	-	-
Marine bunkers	-	-	-	-	-
Stock change *(1)*	-	-	-	-	-
Transfers	-	-	-	-	-
Total supply	**196**	**204**	**354**	**168**	**836**
Statistical difference *(2)*	-	-	-	-	-
Total demand	**196**	**204**	**354**	**168**	**836**
Transformation	**-**	**-**	**282**	**119**	**822**
Electricity generation	-	-	282	119	822
Major power producers	-	-	123	-	-
Autogenerators	-	-	159	119	822
Heat generation	-	-	-	-	-
Petroleum refineries	-	-	-	-	-
Coke manufacture	-	-	-	-	-
Blast furnaces	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-
Other	-	-	-	-	-
Energy industry use	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-
Oil and gas extraction	-	-	-	-	-
Petroleum refineries	-	-	-	-	-
Coal extraction	-	-	-	-	-
Coke manufacture	-	-	-	-	-
Blast furnaces	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-
Pumped storage	-	-	-	-	-
Other	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**
Final consumption	**196**	**204**	**72**	**49**	**14**
Industry	**196**	**-**	**-**	**-**	**14**
Unclassified	196	-	-	-	14
Iron and steel	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-
Mineral products	-	-	-	-	-
Chemicals	-	-	-	-	-
Mechanical engineering, etc	-	-	-	-	-
Electrical engineering, etc	-	-	-	-	-
Vehicles	-	-	-	-	-
Food, beverages, etc	-	-	-	-	-
Textiles, leather, etc	-	-	-	-	-
Paper, printing, etc	-	-	-	-	-
Other industries	-	-	-	-	-
Construction	-	-	-	-	-
Transport	**-**	**-**	**-**	**-**	**-**
Air	-	-	-	-	-
Rail	-	-	-	-	-
Road	-	-	-	-	-
National navigation	-	-	-	-	-
Pipelines	-	-	-	-	-
Other	**-**	**204**	**72**	**49**	**-**
Domestic	-	204	-	-	-
Public administration	-	-	-	49	-
Commercial	-	-	-	-	-
Agriculture	-	-	72	-	-
Miscellaneous	-	-	-	-	- -
Non energy use	**-**	**-**	**-**	**-**	**-**

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

(2) Total supply minus total demand.

(3) SRC is short rotation coppice and other energy crops.

(4) Municipal solid waste, general industrial waste and hospital waste.

(5) The amount of shoreline wave included is less than 0.05 ktoe.

Commodity balances 2001 (continued)

Renewables and waste

Thousand tonnes of oil equivalent

Waste *(4)* and tyres	Geothermal and active solar heat	Hydro	Wind and wave *(5)*	Total renewables	
					Supply
760	14	349	83	2,965	Production
-	-	-	-	-	Other sources
-	-	-	-	-	Imports
-	-	-	-	-	Exports
-	-	-	-	-	Marine bunkers
-	-	-	-	-	Stock change *(1)*
-	-	-	-	-	Transfers
760	**14**	**349**	**83**	**2,965**	**Total supply**
-	-	-	-	-	**Statistical difference** *(2)*
760	**14**	**349**	**83**	**2,965**	**Total demand**
653	**-**	**349**	**83**	**2,309**	**Transformation**
653	-	349	83	2,309	Electricity generation
530	-	276	-	930	Major power producers
123	-	72	83	1,378	Autogenerators
-	-	-	-	-	Heat generation
-	-	-	-	-	Petroleum refineries
-	-	-	-	-	Coke manufacture
-	-	-	-	-	Blast furnaces
-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	Other
-	-	-	-	-	**Energy industry use**
-	-	-	-	-	Electricity generation
-	-	-	-	-	Oil and gas extraction
-	-	-	-	-	Petroleum refineries
-	-	-	-	-	Coal extraction
-	-	-	-	-	Coke manufacture
-	-	-	-	-	Blast furnaces
-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	Pumped storage
-	-	-	-	-	Other
-	-	-	-	-	**Losses**
107	**14**	**-**	**-**	**656**	**Final consumption**
34	**-**	**-**	**-**	**243**	**Industry**
34	-	-	-	243	Unclassified
-	-	-	-	-	Iron and steel
-	-	-	-	-	Non-ferrous metals
-	-	-	-	-	Mineral products
-	-	-	-	-	Chemicals
-	-	-	-	-	Mechanical engineering, etc
-	-	-	-	-	Electrical engineering, etc
-	-	-	-	-	Vehicles
-	-	-	-	-	Food, beverages, etc
-	-	-	-	-	Textiles, leather, etc
-	-	-	-	-	Paper, printing, etc
-	-	-	-	-	Other industries
-	-	-	-	-	Construction
-	-	-	-	-	**Transport**
-	-	-	-	-	Air
-	-	-	-	-	Rail
-	-	-	-	-	Road
-	-	-	-	-	National navigation
-	-	-	-	-	Pipelines
73	**14**	**-**	**-**	**413**	**Other**
23	14	-	-	240	Domestic
40	-	-	-	90	Public administration
10	-	-	-	11	Commercial
-	-	-	-	72	Agriculture
-	-	-	-	-	Miscellaneous
-	**-**	**-**	**-**	**-**	**Non energy use**

Commodity balances 2000

Renewables and waste

Thousand tonnes of oil equivalent

	Wood waste	Wood	Poultry litter, meat and bone, straw, farm waste and SRC *(3)*	Sewage gas	Landfill gas
Supply					
Production	221	204	265	169	731
Other sources	-	-	-	-	-
Imports	-	-	-	-	-
Exports	-	-	-	-	-
Marine bunkers	-	-	-	-	-
Stock change *(1)*	-	-	-	-	-
Transfers	-	-	-	-	-
Total supply	**221**	**204**	**265**	**169**	**731**
Statistical difference *(2)*	-	-	-	-	-
Total demand	**221**	**204**	**265**	**169**	**731**
Transformation	-	**-**	**193**	**120**	**718**
Electricity generation	-	-	193	120	718
Major power producers	-	-	131	-	-
Autogenerators	-	-	61	120	718
Heat generation	-	-	-	-	-
Petroleum refineries	-	-	-	-	-
Coke manufacture	-	-	-	-	-
Blast furnaces	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-
Other	-	-	-	-	-
Energy industry use	**-**	**-**	**-**	**-**	**-**
Electricity generation	-	-	-	-	-
Oil and gas extraction	-	-	-	-	-
Petroleum refineries	-	-	-	-	-
Coal extraction	-	-	-	-	-
Coke manufacture	-	-	-	-	-
Blast furnaces	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-
Pumped storage	-	-	-	-	-
Other	-	-	-	-	-
Losses	**-**	**-**	**-**	**-**	**-**
Final consumption	**221**	**204**	**72**	**48**	**14**
Industry	**221**	-	-	-	**14**
Unclassified	221	-	-	-	14
Iron and steel	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-
Mineral products	-	-	-	-	-
Chemicals	-	-	-	-	-
Mechanical engineering, etc	-	-	-	-	-
Electrical engineering, etc	-	-	-	-	-
Vehicles	-	-	-	-	-
Food, beverages, etc	-	-	-	-	-
Textiles, leather, etc	-	-	-	-	-
Paper, printing, etc	-	-	-	-	-
Other industries	-	-	-	-	-
Construction	-	-	-	-	-
Transport	-	-	-	-	-
Air	-	-	-	-	-
Rail	-	-	-	-	-
Road	-	-	-	-	-
National navigation	-	-	-	-	-
Pipelines	-	-	-	-	-
Other	-	**204**	**72**	**48**	-
Domestic	-	204	-	-	-
Public administration	-	-	-	48	-
Commercial	-	-	-	-	-
Agriculture	-	-	72	-	-
Miscellaneous	-	-	-	-	-
Non energy use	-	-	-	-	-

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

(2) Total supply minus total demand.

(3) SRC is short rotation coppice and other energy crops.

(4) Municipal solid waste, general industrial waste and hospital waste.

Commodity balances 2000 (continued)

Renewables and waste

Thousand tonnes of oil equivalent

Waste *(4)* and tyres	Geothermal & active solar heat	Hydro	Wind	Total renewables	
					Supply
704	12	437	81	2,825	Production
-	-	-	-	-	Other sources
-	-	-	-	-	Imports
-	-	-	-	-	Exports
-	-	-	-	-	Marine bunkers
-	-	-	-	-	Stock change *(1)*
-	-	-	-	-	Transfers
704	**12**	**437**	**81**	**2,825**	**Total supply**
-	-	-	-	-	**Statistical difference** *(2)*
704	**12**	**437**	**81**	**2,825**	**Total demand**
603	**-**	**437**	**81**	**2,153**	**Transformation**
603	-	437	81	2,153	Electricity generation
108	-	372	-	612	Major power producers
495	-	65	81	1,541	Autogenerators
-	-	-	-	-	Heat generation
-	-	-	-	-	Petroleum refineries
-	-	-	-	-	Coke manufacture
-	-	-	-	-	Blast furnaces
-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	Other
-	-	-	-	-	**Energy industry use**
-	-	-	-	-	Electricity generation
-	-	-	-	-	Oil and gas extraction
-	-	-	-	-	Petroleum refineries
-	-	-	-	-	Coal extraction
-	-	-	-	-	Coke manufacture
-	-	-	-	-	Blast furnaces
-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	Pumped storage
-	-	-	-	-	Other
-	-	-	-	-	**Losses**
100	**12**	-	-	**672**	**Final consumption**
30	-	-	-	**264**	**Industry**
30	-	-	-	264	Unclassified
-	-	-	-	-	Iron and steel
-	-	-	-	-	Non-ferrous metals
-	-	-	-	-	Mineral products
-	-	-	-	-	Chemicals
-	-	-	-	-	Mechanical engineering, etc
-	-	-	-	-	Electrical engineering, etc
-	-	-	-	-	Vehicles
-	-	-	-	-	Food, beverages, etc
-	-	-	-	-	Textiles, leather, etc
-	-	-	-	-	Paper, printing, etc
-	-	-	-	-	Other industries
-	-	-	-	-	Construction
-	-	-	-	-	**Transport**
-	-	-	-	-	Air
-	-	-	-	-	Rail
-	-	-	-	-	Road
-	-	-	-	-	National navigation
-	-	-	-	-	Pipelines
71	**12**	-	-	**408**	**Other**
21	12	-	-	236	Domestic
40	-	-	-	88	Public administration
11	-	-	-	11	Commercial
-	-	-	-	72	Agriculture
-	-	-	-	-	Miscellaneous
-	-	-	-	-	**Non energy use**

Commodity balances 1999

Renewables and waste

Thousand tonnes of oil equivalent

	Wood waste	Wood	Poultry litter, meat and bone, straw, farm waste and SRC *(3)*	Sewage gas	Landfill gas
Supply					
Production	368	204	229	189	572
Other sources	-	-	-	-	-
Imports	-	-	-	-	-
Exports	-	-	-	-	-
Marine bunkers	-	-	-	-	-
Stock change *(1)*	-	-	-	-	-
Transfers	-	-	-	-	-
Total supply	**368**	**204**	**229**	**189**	**572**
Statistical difference *(2)*	-	-	-	-	-
Total demand	**368**	**204**	**229**	**189**	**572**
Transformation	**104**	-	**157**	**135**	**558**
Electricity generation	-	-	157	135	558
Major power producers	-	-	141	-	-
Autogenerators	-	-	17	135	558
Heat generation	104	-	-	-	-
Petroleum refineries	-	-	-	-	-
Coke manufacture	-	-	-	-	-
Blast furnaces	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-
Other	-	-	-	-	-
Energy industry use	-	-	-	-	-
Electricity generation	-	-	-	-	-
Oil and gas extraction	-	-	-	-	-
Petroleum refineries	-	-	-	-	-
Coal extraction	-	-	-	-	-
Coke manufacture	-	-	-	-	-
Blast furnaces	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-
Pumped storage	-	-	-	-	-
Other	-	-	-	-	-
Losses	-	-	-	-	-
Final consumption	**264**	**204**	**72**	**54**	**14**
Industry	**264**	-	-	-	**14**
Unclassified	264	-	-	-	14
Iron and steel	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-
Mineral products	-	-	-	-	-
Chemicals	-	-	-	-	-
Mechanical engineering, etc	-	-	-	-	-
Electrical engineering, etc	-	-	-	-	-
Vehicles	-	-	-	-	-
Food, beverages, etc	-	-	-	-	-
Textiles, leather, etc	-	-	-	-	-
Paper, printing, etc	-	-	-	-	-
Other industries	-	-	-	-	-
Construction	-	-	-	-	-
Transport	-	-	-	-	-
Air	-	-	-	-	-
Rail	-	-	-	-	-
Road	-	-	-	-	-
National navigation	-	-	-	-	-
Pipelines	-	-	-	-	-
Other	-	**204**	**72**	**54**	-
	-	204	-	-	-
Public administration	-	-	-	54	-
Commercial	-	-	-	-	-
Agriculture	-	-	72	-	-
Miscellaneous	-	-	-	-	-
Non energy use	-	-	-	-	-

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

(2) Total supply minus total demand.

(3) SRC is short rotation coppice and other energy crops.

(4) Municipal solid waste, general industrial waste and hospital waste.

Commodity balances 1999 (continued)

Renewables and waste

Thousand tonnes of oil equivalent

Waste *(4)* and tyres	Geothermal & active solar heat	Hydro	Wind	Total renewables	
					Supply
653	10	459	73	2,757	Production
-	-	-	-	-	Other sources
-	-	-	-	-	Imports
-	-	-	-	-	Exports
-	-	-	-	-	Marine bunkers
-	-	-	-	-	Stock change *(1)*
-	-	-	-	-	Transfers
653	**10**	**459**	**73**	**2,757**	**Total supply**
-	-	-	-	-	**Statistical difference** *(2)*
653	**10**	**459**	**73**	**2,757**	**Total demand**
584	-	**459**	**73**	**2,069**	**Transformation**
584	-	459	73	1,965	Electricity generation
119	-	381	-	640	Major power producers
465	-	78	73	1,325	Autogenerators
-	-	-	-	104	Heat generation
-	-	-	-	-	Petroleum refineries
-	-	-	-	-	Coke manufacture
-	-	-	-	-	Blast furnaces
-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	Other
-	-	-	-	-	**Energy industry use**
-	-	-	-	-	Electricity generation
-	-	-	-	-	Oil and gas extraction
-	-	-	-	-	Petroleum refineries
-	-	-	-	-	Coal extraction
-	-	-	-	-	Coke manufacture
-	-	-	-	-	Blast furnaces
-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	Pumped storage
-	-	-	-	-	Other
-	-	-	-	-	**Losses**
70	**10**	**-**	**-**	**687**	**Final consumption**
6	-	-	-	**283**	**Industry**
6	-	-	-	283	Unclassified
-	-	-	-	-	Iron and steel
-	-	-	-	-	Non-ferrous metals
-	-	-	-	-	Mineral products
-	-	-	-	-	Chemicals
-	-	-	-	-	Mechanical engineering, etc
-	-	-	-	-	Electrical engineering, etc
-	-	-	-	-	Vehicles
-	-	-	-	-	Food, beverages, etc
-	-	-	-	-	Textiles, leather, etc
-	-	-	-	-	Paper, printing, etc
-	-	-	-	-	Other industries
-	-	-	-	-	Construction
-	-	-	-	-	**Transport**
-	-	-	-	-	Air
-	-	-	-	-	Rail
-	-	-	-	-	Road
-	-	-	-	-	National navigation
-	-	-	-	-	Pipelines
64	**10**	-	-	**404**	**Other**
..	..	-	-	..	Domestic
..	..	-	-	..	Public administration
..	..	-	-	..	Commercial
-	-	-	-	72	Agriculture
..	..	-	-	..	Miscellaneous
-	-	-	-	-	**Non energy use**

Commodity balances 1998

Renewables and waste

Thousand tonnes of oil equivalent

	Wood waste	Wood	Poultry litter, meat and bone, straw, farm waste and SRC *(3)*	Sewage gas	Landfill gas
Supply					
Production	437	204	148	181	402
Other sources	-	-	-	-	-
Imports	-	-	-	-	-
Exports	-	-	-	-	-
Marine bunkers	-	-	-	-	-
Stock change *(1)*	-	-	-	-	-
Transfers	-	-	-	-	-
Total supply	**437**	**204**	**148**	**181**	**402**
Statistical difference *(2)*	-	-	-	-	-
Total demand	**437**	**204**	**148**	**181**	**402**
Transformation	-	-	**76**	**127**	**389**
Electricity generation	-	-	76	127	389
Major power producers	-	-	76	-	-
Autogenerators	-	-	-	127	389
Petroleum refineries	-	-	-	-	-
Coke manufacture	-	-	-	-	-
Blast furnaces	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-
Other	-	-	-	-	-
Energy industry use	-	-	-	-	-
Electricity generation	-	-	-	-	-
Oil and gas extraction	-	-	-	-	-
Petroleum refineries	-	-	-	-	-
Coal extraction	-	-	-	-	-
Coke manufacture	-	-	-	-	-
Blast furnaces	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-
Pumped storage	-	-	-	-	-
Other	-	-	-	-	-
Losses	-	-	-	-	-
Final consumption	**437**	**204**	**72**	**54**	**14**
Industry	**437**	-	-	-	**14**
Unclassified	437	-	-	-	14
Iron and steel	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-
Mineral products	-	-	-	-	-
Chemicals	-	-	-	-	-
Mechanical engineering, etc	-	-	-	-	-
Electrical engineering, etc	-	-	-	-	-
Vehicles	-	-	-	-	-
Food, beverages, etc	-	-	-	-	-
Textiles, leather, etc	-	-	-	-	-
Paper, printing, etc	-	-	-	-	-
Other industries	-	-	-	-	-
Construction	-	-	-	-	-
Transport	-	-	-	-	-
Air	-	-	-	-	-
Rail	-	-	-	-	-
Road	-	-	-	-	-
National navigation	-	-	-	-	-
Pipelines	-	-	-	-	-
Other	-	**204**	**72**	**54**	-
Domestic	-	204	-	-	-
Public administration	-	-	-	54	-
Commercial	-	-	-	-	-
Agriculture	-	-	72	-	-
Miscellaneous	-	-	-	-	-
Non energy use	-	-	-	-	-

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

(2) Total supply minus total demand.

(3) SRC is short rotation coppice and other energy crops.

(4) Municipal solid waste, general industrial waste and hospital waste.

Commodity balances 1998 (continued)

Renewables and waste

Thousand tonnes of oil equivalent

Waste *(4)* and tyres	Geothermal & active solar heat	Hydro	Wind	Total renewables	
					Supply
694	10	440	75	2,593	Production
-	-	-	-	-	Other sources
-	-	-	-	-	Imports
-	-	-	-	-	Exports
-	-	-	-	-	Marine bunkers
-	-	-	-	-	Stock change *(1)*
-	-	-	-	-	Transfers
694	**10**	**440**	**75**	**2,593**	**Total supply**
-	-	-	-	-	**Statistical difference** *(2)*
694	**10**	**440**	**75**	**2,593**	**Total demand**
620	-	**440**	**75**	**1,727**	**Transformation**
620	-	440	75	1,727	Electricity generation
70	-	364	-	511	Major power producers
550	-	76	75	1,216	Autogenerators
-	-	-	-	-	Petroleum refineries
-	-	-	-	-	Coke manufacture
-	-	-	-	-	Blast furnaces
-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	Other
-	-	-	-	-	**Energy industry use**
-	-	-	-	-	Electricity generation
-	-	-	-	-	Oil and gas extraction
-	-	-	-	-	Petroleum refineries
-	-	-	-	-	Coal extraction
-	-	-	-	-	Coke manufacture
-	-	-	-	-	Blast furnaces
-	-	-	-	-	Patent fuel manufacture
-	-	-	-	-	Pumped storage
-	-	-	-	-	Other
-	-	-	-	-	**Losses**
74	**10**	-	-	**866**	**Final consumption**
10	-	-	-	**461**	**Industry**
10	-	-	-	461	Unclassified
-	-	-	-	-	Iron and steel
-	-	-	-	-	Non-ferrous metals
-	-	-	-	-	Mineral products
-	-	-	-	-	Chemicals
-	-	-	-	-	Mechanical engineering, etc
-	-	-	-	-	Electrical engineering, etc
-	-	-	-	-	Vehicles
-	-	-	-	-	Food, beverages, etc
-	-	-	-	-	Textiles, leather, etc
-	-	-	-	-	Paper, printing, etc
-	-	-	-	-	Other industries
-	-	-	-	-	Construction
-	-	-	-	-	**Transport**
-	-	-	-	-	Air
-	-	-	-	-	Rail
-	-	-	-	-	Road
-	-	-	-	-	National navigation
-	-	-	-	-	Pipelines
64	**10**	-	-	**404**	**Other**
..	..	-	-	..	Domestic
..	..	-	-	..	Public administration
..	-	-	-	..	Commercial
-	-	-	-	72	Agriculture
-	..	-	-	..	Miscellaneous
-	-	-	-	-	**Non energy use**

Annex E

Energy and the environment

Carbon dioxide emissions

E.1 Provisional 2014 results for UK Greenhouse Gas emissions and progress towards targets were published on 26 March 2015. A copy of the statistical release and associated data tables are available on the DECC section of the GOV.UK website at:
www.gov.uk/government/statistics/provisional-uk-greenhouse-gas-emissions-national-statistics-2014

Oil pollution, oil releases and gas flaring

E.2 The amounts of oil released around the coasts of the United Kingdom and offshore (North Sea) are small in relation to total oil production, with the amounts discharged on drill cuttings, and with produced water generally much larger than from offshore installation releases. The total amount of oil released offshore during 2014 was approximately 32 tonnes.

E.3 The number of oil release reports recorded in 2014 amounts to 377, which is slightly higher than the 321 reported during 2013. Of those reported in 2014, 374 were for releases less than 1 tonne.

E.4 The Offshore Petroleum Activities (Oil Pollution Prevention and Control) Regulations 2005 (OPPC) came into effect in August 2005. Under OPPC installations are granted a permit for activities discharging oil-contaminated water to sea, but the oil content must not exceed 30 milligrams per litre. The average content of oil in produced water for 2014, for the UKCS as a whole, was 12.84 milligrams per litre compared to 14.35 milligrams per litre in the previous year.

E.5 Under the terms of petroleum production licences, gas may be flared only with the consent of the Secretary of State. Flaring at offshore installations in 2014 was estimated to be 2.63 million cubic metres of gas per day, 2 per cent lower than in 2013. In 2014 gas flared was equivalent to about 2 per cent of UK production.

Data sources

E.6 Figures for the total number of oil releases reported are collected by the Advisory Committee on Protection of the Sea Annual Surveys of Oil Pollution around the Coasts of the United Kingdom.

E.7 Further information on oil spills and discharges including historical data is available on the DECC oil and gas website at
www.gov.uk/oil-and-gas-environmental-alerts-and-incident-reporting.

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Annex F

United Kingdom oil and gas resources

Introduction

F.1 This section provides background information on the United Kingdom's crude oil, natural gas liquids and natural gas production, disposal and operations. This information is intended as a supplement to that in the commodity balances included in Chapter 3. Most of the data (including those on gas) are obtained from the Department of Energy and Climate Change's Petroleum Production Reporting System (PPRS).Further information can be obtained from DECC's oil and gas website at www.gov.uk/search?q=oil+and+gas#detailed-results.

F.2 The annual statistics relate to calendar years, or the ends of calendar years, and the data cover the United Kingdom Continental Shelf [UKCS] (both onshore and offshore).Annual data for production, imports and exports of crude oil during the period 1970 to 2013 are given in Chapter 3, long term trends, Table 3.1.1 (www.gov.uk/government/statistics/petroleum-chapter-3-digest-of-united-kingdom-energy-statistics-dukes). The equivalent for natural gas production is Chapter 4, long term trends, Table 4.1.1 (www.gov.uk/government/statistics/natural-gas-chapter-4-digest-of-united-kingdom-energy-statistics-dukes).

Oil and gas reserves

F.3 Information on oil and gas reserves can be found on DECC's oil and gas website in the statistics section at www.gov.uk/oil-and-gas-uk-field-data#uk-oil-and-gas-reserves-and-resources.

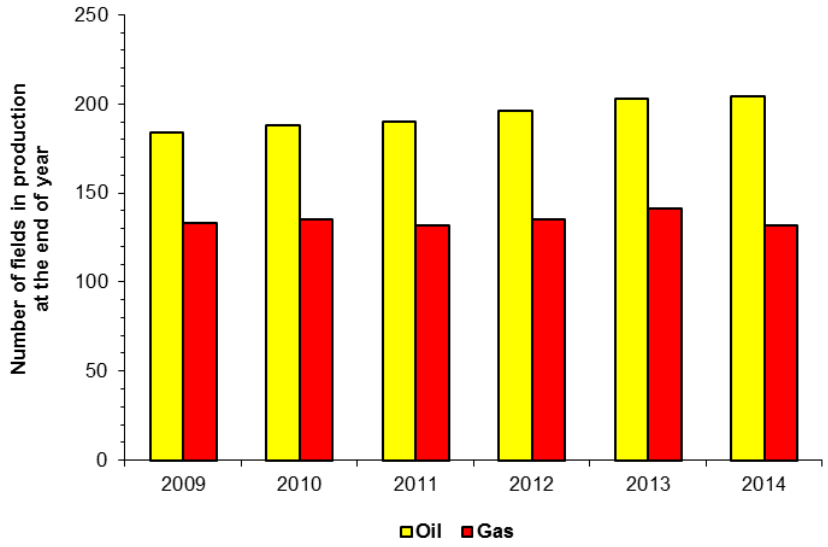
Offshore oil and gas fields and associated facilities

F.4 Table F.A below shows that the number of offshore oil fields in production or under development rose from 190 at the end of 2009 to 234 at the end of 2014. For offshore gas fields the equivalent change between the end of 2009 and 2014 was from 141 to 132 with a few older gas fields closing and not many being added into production. Most oil fields also produce gas: these are not double-counted. The changes in the number of fields in production are shown in Chart F.1 (offshore fields in production). Throughout the period since 2009 there have been 5 onshore oil terminals. In 2007 there were 5 onshore associated sub-gas terminals and 9 other (dry) sub-gas terminals. However, during 2010 the three (dry) sub terminals at Easington were combined into a single terminal. In 2011 two (dry) sub-gas terminals at Bacton were combined into a single sub-gas terminal. While there are significant numbers of oil and gas fields onshore, total onshore production is less than 2 per cent of the UK total.

Table F.A: Offshore oil and gas fields and facilities

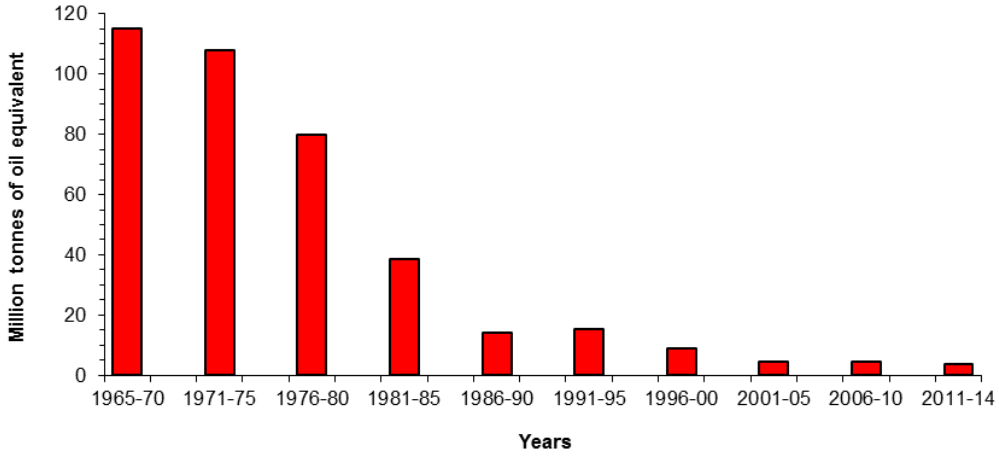
	2009	2010	2011	2012	2013	2014
Offshore oil fields in production	184	188	190	196	203	204
Offshore oil fields under development	6	10	14	23	25	30
Offshore gas fields in production	133	135	132	135	141	132
Offshore gas fields under development	4	2	5	8	3	2

Chart F.1:Number of offshore oil and gas fields in production, 2009 to 2014



The average size of fields commencing production in the years 2011 to 2014 was 3.8 million tonnes of oil equivalent (see Chart F.2). The general fall in average field size reflects a decline in the size of fields discovered compared with the early period of the development of the North Sea and the effect of improved technology providing cost-effective means of extracting oil and gas from smaller fields and hitherto unpromising locations. The industry continues to face a range of challenges in order to realise fully the North Sea's potential. Alongside other initiatives, government and industry are tackling these challenges via the joint Government and Industry task force, PILOT.

Chart F.2:Average size[(1)] of offshore oil and gas fields commencing production



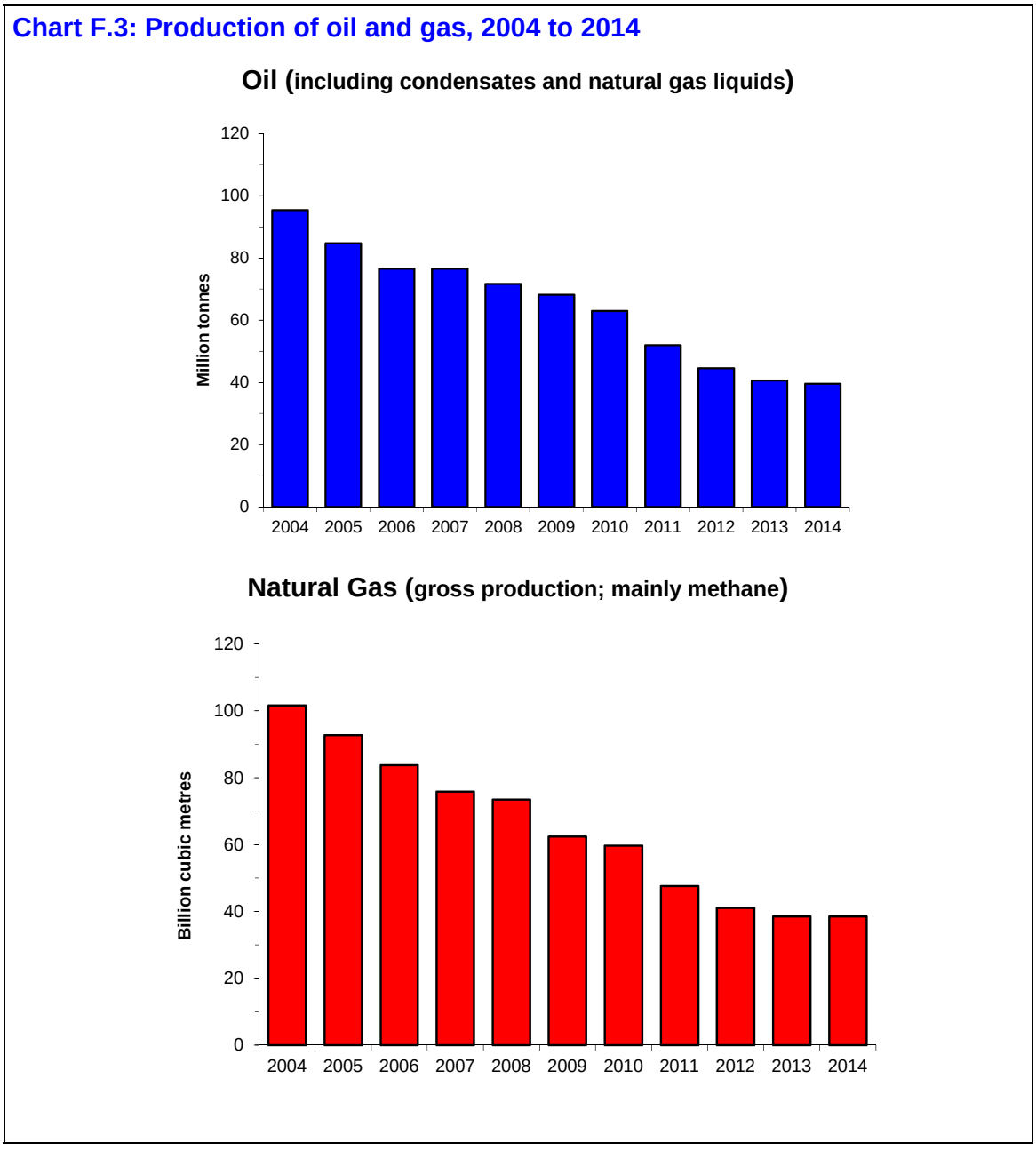
(1) Recoverable reserves originally present based on the operators' best estimate at the time production commenced. Please note that the start-up of the very large Buzzard field in 2007 does not stand out in this table because of the start-up of a significant number of fields with much smaller reserves.

Production of oil and gas (Tables F.1, F.2 and F.3)

F.6 These tables show production of crude oil, natural gas (mainly methane) and natural gas liquids. Before 2001, oil and gas production were reported based on field level data on well-head production, but aggregate figures are now based on terminal receipts following the introduction in January 2001 of a simplified Petroleum Production Reporting System and subsequent in-house changes to the data collection system. These new data are more accurate measures of production because the oil that leaves a terminal has been stabilised (that is any water, natural gas liquids or other organic compounds have been removed from the crude oil). Gross gas production includes gas used at terminals but excludes any flaring or venting at the terminals (not available before 2001).Except for associated gas fields, field level data can still be found at DECC's oil and gas website at: www.gov.uk/oil-and-gas-uk-field-data.

F.7 Chart F.3 shows the trend in total oil production from 2003 to 2014. After reaching a record level of 137 million tonnes in 1999, production has generally declined each year to 39.5 million tonnes in 2014, 29 per cent of the peak level. Gross natural gas production (mainly methane) peaked in 2000 at 115 billion cubic metres but has declined to around 38 billion cubic metres in 2014, 33 per cent of the peak level.

Chart F.3: Production of oil and gas, 2004 to 2014

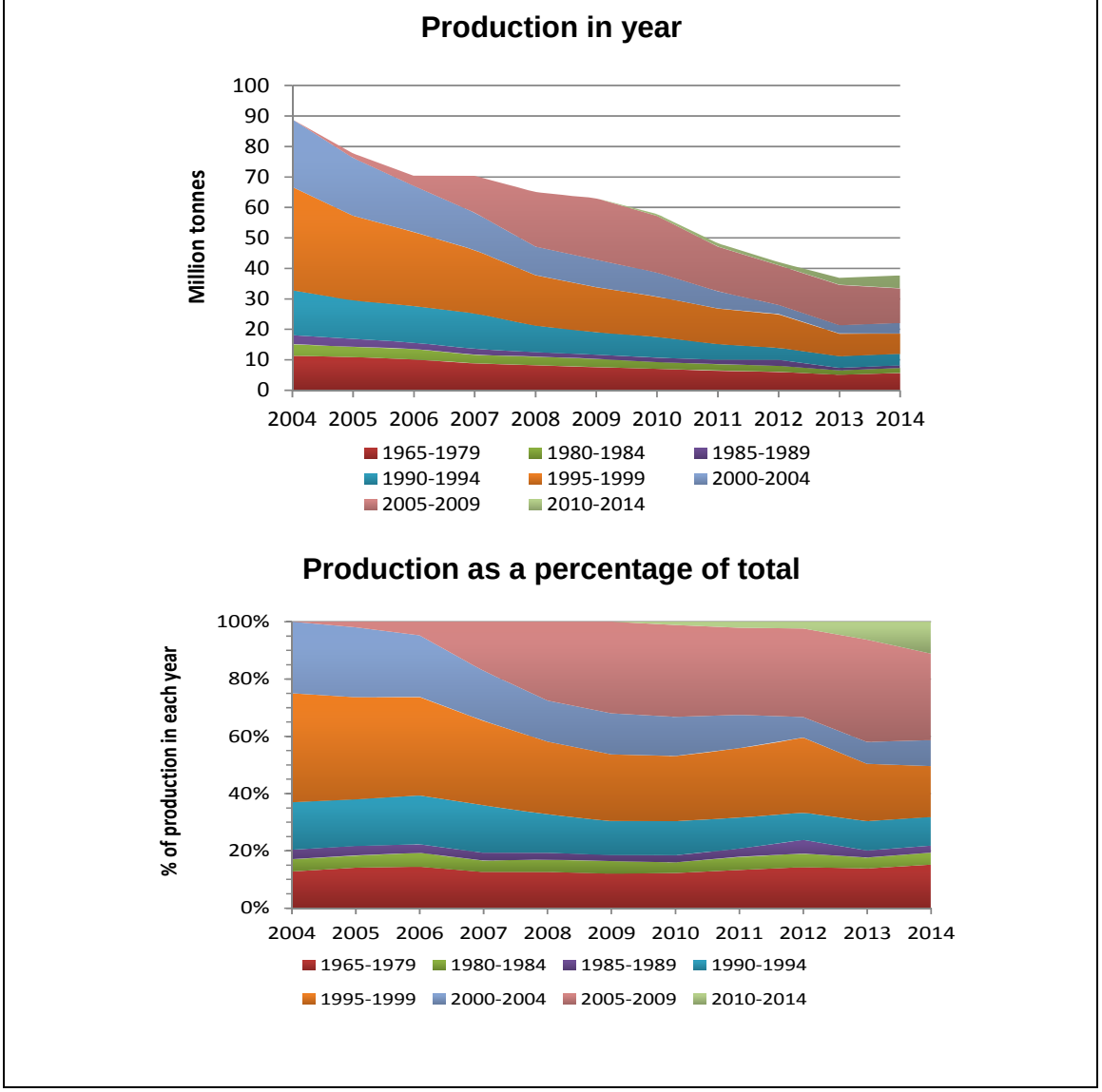


Production of crude oil

F.8 Production from established oil fields has been dropping in recent years. This is illustrated in Chart F.4 below, where oil production in each year from 2003 to 2014 is broken down by the age group of the fields in production during that year. Two charts are shown, the first with the actual amounts of crude oil produced during the year for each age group and the second with the same data transformed to show what percentage of total production each year comes from each field age group. The data used to produce these charts can be found on DECC's oil and gas website at www.gov.uk/oil-and-gas-uk-field-data.

F.9 It can be seen from the production chart that during the 2000s the amount of oil produced from older established fields was in general decline. It is also noticeable that the decline for 1995-1999 as well as 2000-2004 developments is greater than for earlier developments. This is because later technology meant crude oil could be extracted at a relatively greater rate leading to a quicker exhaustion of the reserves. Production for fields starting up between 2005-2009 still seem to be quite good and as expected production between 2010 to 2014 is on the incline. In 2014, these newer (post 1994) fields accounted for 68 per cent of the UK's oil production. The charts also clearly reflect the start up and prolonged plateau of the very large Buzzard field at the beginning of 2007 and, for fields that commenced production in the period 2000 to 2004, the suspension of production from the Elgin/Franklin area because of a gas leak in March 2012.

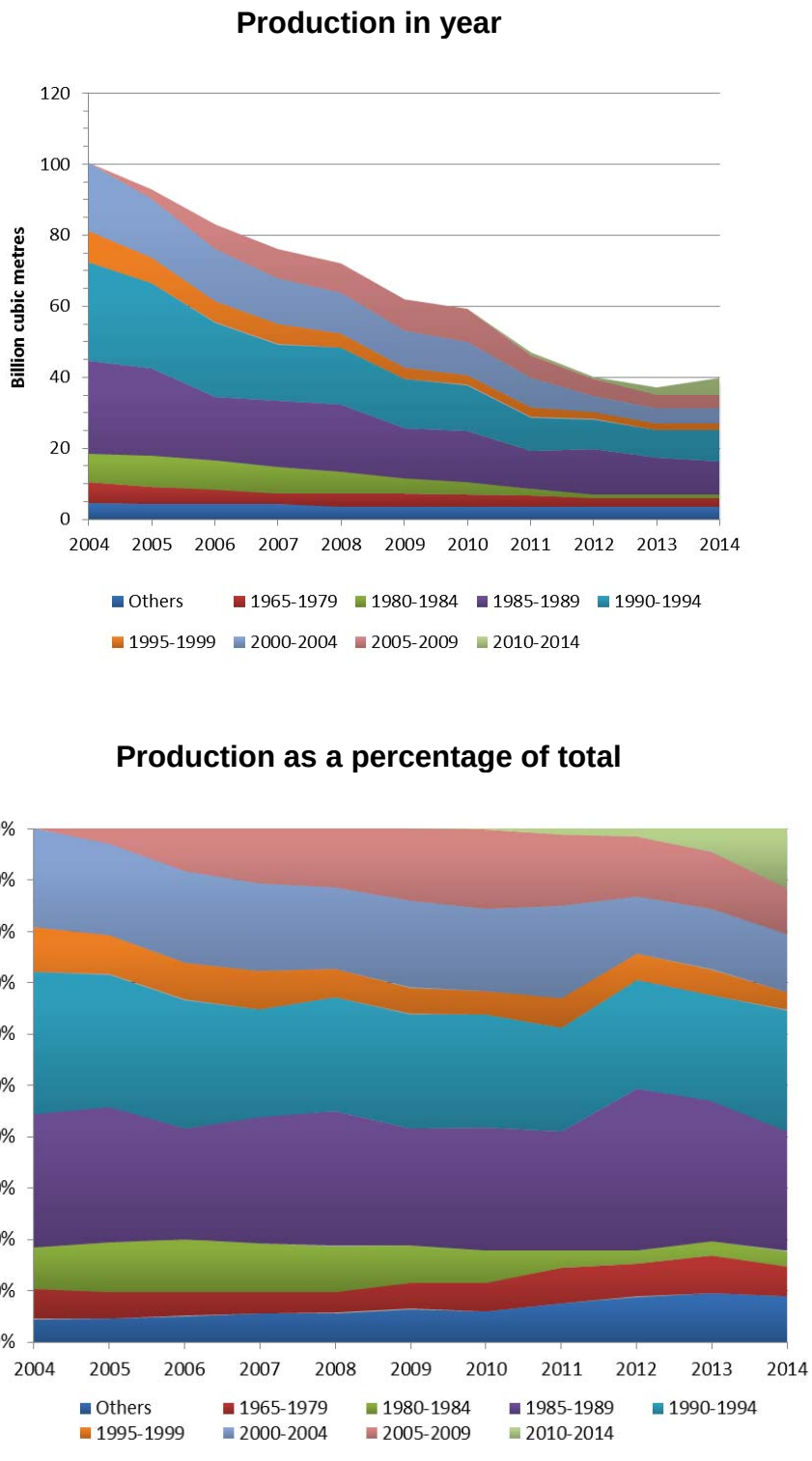
Chart F.4: Age profile of UK crude oil production



Production of gas

F.10 The charts below present gross gas production reported at field/system level and include gas used for drilling, production and pumping operations, but exclude gas flared, vented and re-injected. The data used to produce these charts can be found on DECC's oil and gas website at www.gov.uk/oil-and-gas-uk-field-data.

Chart F.5: Age profile of gross UK gas production

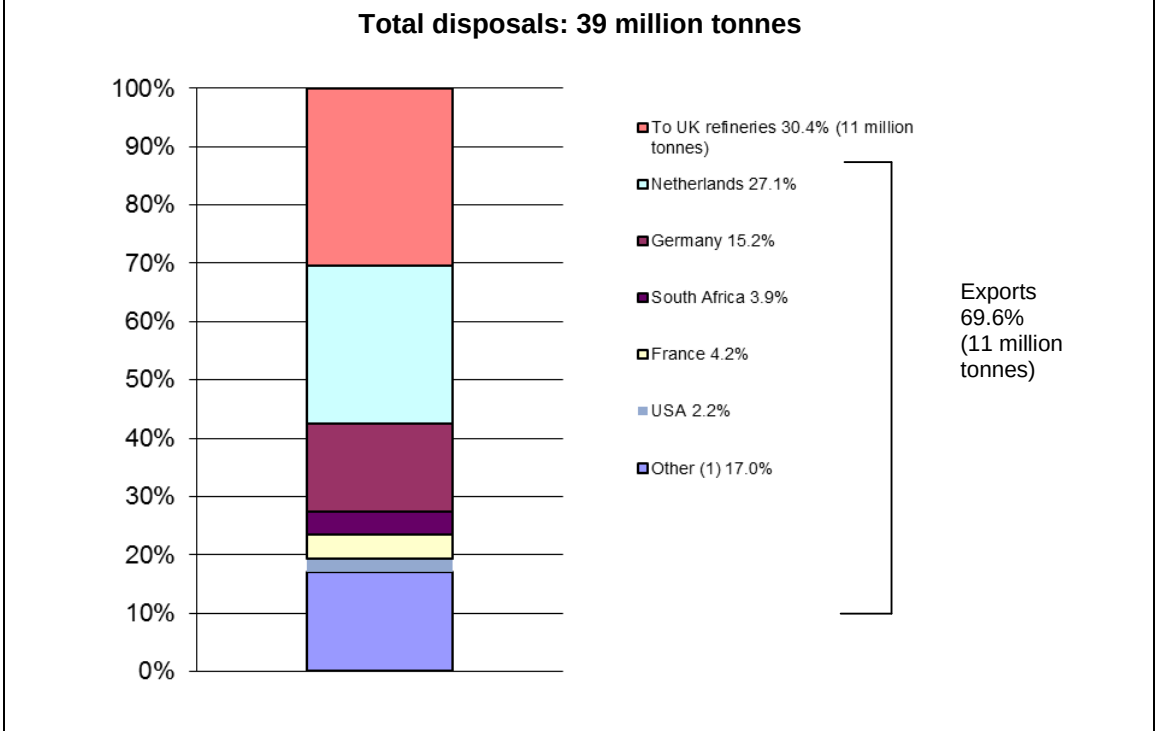


F.11 Gross gas production reached a peak in 2000.Since then production has fallen to 33 per cent of peak production with a slight rise in production in 2014 (Chart F.5).As mentioned above (in paragraph F.8) for older oil fields, production from the older gas fields that were discovered in the Southern North Sea has reduced in recent years as the reserves originally present in the fields become depleted. Chart F.5 illustrates this. The apparent extent of the decline in gas production from older fields is not as significant as that shown for oil fields (Chart F.4). This is partly because most associated gas production is not back allocated to individual fields and, therefore, the associated gas is based on terminal start date rather than field start date. However, it should be noted, as mentioned above (in paragraph F.9), for fields than commenced production in 2000 to 2004, the impact of the suspension of production from the Elgin/Franklin area in March 2012 because of a gas leak is clearly reflected.

Disposals of crude oil (Table F.4)

F.12 Table F.4 and Chart F.6 show the destination of crude oil split between amounts to UK refineries and exports (see technical notes, paragraphs F.14 to F.21) by country of destination (from which it may be transhipped elsewhere).The figures are obtained from returns made to the Department of Energy and Climate Change by operators of oil fields and onshore terminals under the Petroleum Production Reporting System (see paragraphs F.16 to F.18).

Chart F.6: UKCS disposals of crude oil 2014



(1) Of which: China 21%, Spain 17%, South Korea 16%, Poland 10%, and Italy 8% (for remainder see table F.4).

F.13 The exports figures in Table F.4 may differ from those compiled by the United Kingdom Petroleum Industry Association (UKPIA) and published in Chapter 3.UKPIA figures also include re-exports. These are products that have been imported into the UK and stored before being exported from the UK, and were never part of UK production.

Technical notes and definitions

Petroleum Production Reporting System

F.14 Licensees operating on the UK Continental Shelf are required to make monthly returns on their production of hydrocarbons to the Department of Energy and Climate Change (DECC). DECC compiles this information in the Petroleum Production Reporting System (PPRS).The PPRS is used to report flows, stocks and uses of hydrocarbon from the well-head through to final disposals from a pipeline or terminal and is the major source of the information presented in this chapter.

F.15 Returns are collected covering field and terminal data compiled by relevant reporting units. Each type of return is provided by a single operator, but usually covers the production of a number of companies, since frequently operations carried out on the Continental Shelf involve several companies working together in joint ventures.

F.16 Every production system has one or more sets of certified meters to measure oil, gas or condensate production. The flows measured by the meters are used to check the consistency of returns and are therefore used to assure the accuracy of the PPRS.

Exports

F.17 The term exports used in Table F.4 refers to figures recorded by producers of oil and gas for their exports. These figures may differ from the figures for exports compiled by HM Revenue and Customs (HMRC) and given in Annex G. In addition, HMRC now differentiate between EU and non-EU trade by using the term dispatches for trade going to other EU countries, with exports retained for trade going to non-EU countries. The differences can occur between results from the two sources of information because, whilst the trader's figures are a record of actual shipments in the period, for non-EU trade HMRC figures show the trade as declared by exporters on documents received during the period stated.

F.18 In addition, trade in oil frequently involves a "string" of transactions, which can result in the actual destination of the exports changing several times even after the goods have been dispatched. As such, differences can arise between the final country of destination of the exports as recorded by the producers themselves and in the HMRC figures. The HMRC figures also include re-exports. These are products that might originally have been imported into the UK and stored before being exported back out of the UK, as opposed to actually having been produced in the UK.

F.19 In editions of the Digest before 1997, these exports were called "shipments" in an attempt to highlight their difference from the other sources of trade data.

Units of measurement for gas

F.20 The basic unit of measurement for quantities of flows and stocks is volume in cubic metres at a temperature of 15^{o}C and a pressure of 1.01325 bar.

Monthly and Quarterly data

F.21 Monthly and quarterly data on the production of crude oil and natural gas from the UKCS, along with details of imports and exports of oil, oil products and gas, are available. This information can be obtained free of charge by following the links given at the Energy Statistics section of the DECC website at:
www.gov.uk/government/organisations/department-of-energy-climate-change/about/statistics.

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F.1 Crude oil and Natural Gas Liquids production

Thousand tonnes

CRUDE OIL		Total to end 1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Total to end 2014
Offshore production:	Offshore loaded *(1)*	379,268	30,312	34,169	37,317	31,268	29,976	28,315	25,481	21,977	18,875	18,679	16,007	15,753	15,327	13,141	10,769	9,758	8,872	**745,263**
Terminal receipts:	Flotta *(2)*	258,529	10,061	9,564	8,251	6,677	6,464	5,452	4,967	4,287	3,371	3,369	3,235	3,067	2,834	2,068	1,519	733	903	335,350
	Flotta West *(3)*	232	3,753	4,330	4,577	3,723	5,281	4,010	3,535	2,987	2,912	2,390	26	0	0	0	0	0	0	37,756
	Forties *(4)*	552,146	38,352	41,565	35,177	32,806	34,059	30,726	27,715	24,996	21,985	27,168	29,213	28,653	25,261	20,192	17,302	18,520	15,843	1,021,678
	Nigg Bay *(5)*	19,840	365	194	137	62	385	293	292	192	106	98	54	338	449	187	142	552	196	23,882
	Norpipe *(6)*	8,155	7,619	7,819	6,867	5,870	5,989	5,984	5,077	4,600	5,076	3,941	3,729	3,501	3,054	3,074	2,267	1,852	3,596	88,071
	Sullom Voe *(7)*	821,773	28,805	26,658	22,107	25,059	22,603	20,857	18,508	16,491	15,962	13,441	11,985	10,328	10,180	9,231	9,184	6,039	6,740	1,095,951
Total terminal receipts:		**1,660,675**	**88,955**	**90,130**	**77,116**	**74,197**	**74,781**	**67,322**	**60,094**	**53,553**	**49,412**	**50,407**	**48,242**	**45,886**	**41,778**	**34,752**	**30,413**	**27,695**	**27,278**	**2,602,688**
Onshore production:	Rail, road, terminals *(8)*	38,374	5,161	4,285	3,247	2,921	2,673	2,198	1,941	1,648	1,379	1,271	1,248	1,181	941	678	870	1,003	947	71,966
Other:	Extended well tests *(9)*	693	-	-	202	-	-	-	-	-	-	-	-	-	-	-	-	-	-	895
Total crude oil production:		**2,079,010**	**124,428**	**128,584**	**117,882**	**108,386**	**107,430**	**97,835**	**87,516**	**77,178**	**69,666**	**70,357**	**65,497**	**62,820**	**58,047**	**48,571**	**42,052**	**38,456**	**37,097**	**3,420,812**
Total natural gas liquids production:		**96,155**	**8,205**	**8,515**	**8,363**	**8,292**	**8,514**	**8,238**	**7,858**	**7,543**	**6,913**	**6,218**	**6,168**	**5,378**	**4,915**	**3,401**	**2,508**	**2,190**	**2,453**	**201,828**
Total crude oil and NGL production:		**2,175,165**	**132,633**	**137,099**	**126,245**	**116,678**	**115,944**	**106,073**	**95,374**	**84,721**	**76,579**	**76,575**	**71,665**	**68,198**	**62,962**	**51,972**	**44,560**	**40,646**	**39,550**	**3,622,640**

(1) Production from: Alba, Angus, Ardmore, Balloch, Banff, Beryl, Bittern, Blackbird, Blake, Boa (UK), Buckland, Captain, Chestnut, Clapham, Cook, Curlew, Curlew C, Don South West (from April 2009 to February 2010 see footnote (7)), Donan (Maersk), Douglas, Douglas West, Ettrick, Fergus, Fife, Flora, Foinaven, Gryphon, Guillemot A, NW and W, Harding, Huntington, Kyle, Leadon, Lennox, Lochranza, Loirston, Maclure, Ness, Nevis, Pict, Pierce, Ross, Saxon, Shelley, Skene, Statfjord (UK), Teal, Teal South, Tullich, West Don (from June 2009 to February 2010 - see footnote (7)).

(2) Production from: Chanter, Claymore, Duart, Galley, Hamish, Highlander, Iona, Ivanhoe, MacCulloch, Petronella, Piper, Renee, Rob Roy, Rubie, Saltire, Scapa, Tartan, Tweedsmuir, Tweedsmuir South..

(3) Production from: Foinaven. The Flotta contract to process Foinaven crude expired in 2008. Direct disposals from Foinaven are included in the offshore loaded figure.

(4) Production from: Andrew, Arbroath, Arkwright, Bacchus, Balmoral, Bardolino, Beauly, Beinn, Birch, Brae Area, Braemar, Brechin, Brenda, Brimmond, Britannia, Brodgar, Bruce, Buchan, Burghley, Buzzard, Caledonia, Callanish, Causeway, Cyrus, Drake, Egret, Elgin, Enock (UK), Erskine, Everest, Farragon, Fleming, Forties, Franklin, Gadwall, Glamis, Glenelg, Goosander, Grouse, Hannay, Hawkins, Heron, Howe, Keith, Kingfisher, Kittiwake, Larch, Lomond, Machar, Madoes, Mallard, Maria, Marnock, Maule, Merganser, Miller, Mirren, Monan, Montrose, Mungo, Nelson, Nicol, Rhum, Rochelle, Scoter, Scott, Seymour, Shearwater, Skua, Starling, Stirling, Sycamore, Telford, Thelma, Tiffany, Toni, Tonto, Wood.

(5) Production from: Athena, Beatrice, Jacky, Lybster.

(6) Production from: Affleck, Auk, Auk North, Blane (UK), Clyde, Fulmar, Gannet A- G, Halley, Jade, James, Janice, Jasmine, Joanne, Judy, Leven, Medwin, Nethan, Orion.

(7) Production from: Alwyn North, Brent, Broom, Causeway, Claire, Columba B/D, Columba E, Conrie, Cormorant (East, North and South), Deveron, Don, Don South West (from March 2010 - see footnote (1)) from Dunbar, Dunlin, Dunlin South West, Eider, Ellon, Falcon, Fionn, Forvie, Grant, Heather, Hudson, Hutton, Hutton NW, Islay, Jura, Kestrel, Loyal, Lyell, Magnus, Magnus South, Merlin, Murchison (UK), Ninian, Osprey, Otter, Pelican, Penguin, Playfair, Schiehallion, Strathspey, Tern, Thistle, West Don (from March 2010 - see footnote (1)).

(8) Production from the Hamble and Holybourne terminals, plus other onshore oil fields.

(9) Extended well tests other than from established fields.

F.2 Gas production

Million cubic metres

		Total to end 1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Total to end 2014
Offshore dry gas:																			
Terminal receipts	Bacton Perenco *(1)*	209,317	5,431	5,885	5,179	4,493	3,873	3,336	2,553	2,423	2,342	2,375	2,032	2,003	2,221	2,280	2,031	1,729	259,502
and production	Bacton ENI Hewett *(2)*	151,047	7,157	6,655	5,140	3,914	2,937	2,136	2,916	2,901	2,595	1,597	1,516	946	509	0	0	0	191,965
from direct export	Bacton Shell *(3)*	265,816	7,966	9,638	10,660	7,466	7,932	8,193	8,230	6,174	4,347	5,706	5,165	4,920	4,937	6,026	4,237	3,977	371,390
fields:	Chiswick *(7)*	-	-	-	-	-	-	-	-	-	-	542	569	549	842	836	840	604	4,782
	Dimlington *(4)*	43,858	2,892	4,700	4,367	3,484	4,174	4,049	3,478	2,630	2,387	2,078	1,782	1,700	2,436	2,553	3,009	3,194	92,772
	Easington *(5)*	62,876	2,486	2,412	1,216	2,249	2,158	2,018	1,799	1,644	1,529	1,681	1,025	432	0	0	380	268	84,172
	Frigg (FUKA Pipeline) *(6)*	-	-	-	-	-	2,198	2,170	1,812	1,536	1,421	992	791	605	243	225	166	50	12,207
	Grove *(7)*	-	-	-	-	-	-	-	-	-	238	184	409	622	506	398	309	164	2,830
	Kew *(7)*	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	175	
	Markham *(7)*	4,460	485	463	350	304	207	192	377	295	257	144	118	82	47	31	25	20	7,856
	Minke *(7)*	-	-	-	-	-	-	-	-	-	138	24	1	1	0	0	0	0	165
	Morecambe North *(8)*	9,804	1,144	4,487	3,775	3,922	3,363	2,865	1,972	1,668	1,195	1,211	1,138	1,178	1,053	1,145	1,987	1,849	43,754
	Morecambe South *(9)*	67,936	9,971	8,436	8,224	7,480	7,853	8,181	5,906	2,410	3,692	4,222	1,918	3,489	2,014	1,758	296	97	143,881
	Orca *(7)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	129	129
	Point Of Ayr *(10)*	4,769	1,870	2,228	2,539	2,279	2,617	1,882	1,552	1,310	1,130	819	574	526	318	349	146	124	25,031
	Rough *(11)*	4,370	0	428	17	0	0	0	0	0	0	0	0	0	0	0	0	0	4,815
	Stamford *(7)*				-	-	-	-	-	-	-	-	132	24	3	6	0	0	164
	Theddlethorpe *(12)*	175,949	11,349	13,994	11,377	8,577	9,602	7,994	7,689	8,942	8,097	7,300	5,910	5,293	4,318	3,304	3,315	3,552	296,562
	Windermere *(7)*	714	320	273	223	174	149	91	54	44	48	31	16	15	17	15	14	9	2,207
	Wingate *(7)*	-	-	-	-	-	-	-	-	-	-	-	-	-	126	797	431	613	1,966
	Offshore gas fields' own use *(13)*	14	-	-	1,026	897	861	912	872	788	684	724	675	803	678	662	648	642	10,885
Total offshore dry gas gross production:		**1,000,928**	**51,071**	**59,599**	**54,092**	**45,239**	**47,924**	**44,019**	**39,210**	**32,765**	**30,102**	**29,629**	**23,769**	**23,188**	**20,268**	**20,384**	**17,833**	**17,193**	**1,557,211**
Offshore associated gas:																			
Terminal receipts:	Bacton SEAL Shell *(14)*	1	-	93	2,207	7,026	7,391	8,464	7,567	7,101	6,833	7,041	7,033	6,430	5,786	1,935	2,578	2,697	80,181
	Blane	-	-	-	-	-	-	-	-	-	14	38	37	24	23	13	8	9	165
	CATS *(15)*	21,756	13,605	13,618	13,038	14,213	14,972	13,812	11,660	11,125	7,819	8,243	7,757	7,440	5,397	4,612	4,003	5,830	178,901
	FLAGS *(16)*	108,821	9,700	10,307	11,651	10,578	7,890	7,720	8,482	7,755	6,659	5,934	4,176	3,569	1,357	934	848	1,007	207,387
	Frigg (FUKA Pipeline) *(6)*	150,261	9,900	10,315	9,713	11,611	9,719	7,501	7,474	7,996	7,833	6,685	5,647	6,306	3,948	3,590	4,141	3,099	265,739
	Miller *(17)*	13,631	1,109	624	256	233	100	174	144	51	3	0	0	0	0	0	0	0	16,325
	Point Of Ayr *(10)*	-	-	-	-	-	77	440	730	766	935	1,022	739	601	705	699	825	832	8,369
	SAGE *(18)*	40,302	15,459	16,802	15,350	15,138	15,704	14,827	13,075	11,998	11,570	11,034	9,486	8,507	6,970	6,097	5,557	5,433	223,310
	Offshore oil fields' own use	45,807	3,937	3,763	4,730	4,781	4,565	4,513	4,277	4,170	3,961	3,759	3,688	3,548	3,251	2,775	2,673	2,378	106,575
Total offshore associated gas gross production:		**380,579**	**53,710**	**55,522**	**56,945**	**63,581**	**60,418**	**57,451**	**53,409**	**50,962**	**45,626**	**43,756**	**38,564**	**36,426**	**27,436**	**20,654**	**20,632**	**21,284**	**1,086,953**
Total offshore gross gas production:		**1,381,507**	**104,781**	**115,121**	**111,036**	**108,819**	**108,342**	**101,470**	**92,619**	**83,727**	**75,728**	**73,385**	**62,332**	**59,614**	**47,704**	**41,038**	**38,464**	**38,477**	**2,644,164**
Onshore production:																			
	Wytch Farm	1,402	149	111	115	108	82	73	61	46	34	44	40	21	3	-	0	29	2,318
	Other terminals / fields	1,434	140	106	91	65	90	49	56	44	77	52	53	71	25	16	11	11	2,391
Total onshore gas gross production:		2,836	**289**	**217**	**205**	**173**	**172**	**122**	**117**	**90**	**111**	**97**	**93**	**92**	**28**	**16**	**11**	**40**	**4,709**
Total gross gas production:		**1,384,343**	**105,070**	**115,338**	**111,242**	**108,992**	**108,514**	**101,592**	**92,735**	**83,817**	**75,839**	**73,482**	**62,425**	**59,707**	**47,733**	**41,054**	**38,475**	**38,517**	**2,648,872**
Own use: *(19)*		72,819	6,344	7,033	6,770	6,854	6,607	6,627	6,320	5,978	5,399	5,280	5,158	5,181	4,666	4,174	4,030	3,668	162,908
Total net gas production:		**1,311,524**	**98,726**	**108,305**	**104,472**	**102,138**	**101,907**	**94,965**	**86,415**	**77,839**	**70,439**	**68,202**	**57,267**	**54,526**	**43,067**	**36,880**	**34,445**	**34,849**	**2,485,964**

(1) Production from: Baird, Beaufort, Bell, Bessemer, Boyle, Brown, Camelot (Central, South and North), Davy, Davy East, Garrow, Indefatigable, Indefatigable South West, Kilmar, Leman (BP), Leman South, North Davy, Trent, Tyne (North and South).

(2) Production from: Arthur, Bure, Bure West, Dawn, Deben, Delilah, Durango, Excalibur, Galahad, Goosander, Grouse, Guinevere, Hewett, Horne, Lancelot, Malory, Mordred, Orwell, Thames, Thurne, Tristan, Waveney, Welland North West, Welland South, Wensum, Wissey, Wren, Yare.

(3) Production from: Barque, Barque South, Brigantine (A, B, C and D), Caravel, Carrack, Clipper, Clipper South, Corvette, Cutter, Galleon, Gawain, Indefatigable (Shell), Leman (Shell), Sean, Sean East, Shamrock, Skiff.

(4) Production from: Apollo, Babbage, Ceres, Cleeton, Eris, Johnston, Mercury, Minerva, Neptune, Ravenspurn North, Ravenspurn South, Seven Seas, Whittle, Wollaston.

(5) Production from: Amethyst East, Amethyst West, Helvellyn, Hoton, Hyde, Newsham, Rose, West Sole, York.

(6) Production from: Alwyn North, Bruce, Captain, Duart, Dunbar, Ellon, Frigg (uk), Forvie, Galley, Grant, Islay, Ivanhoe/Rob Roy, Jura, Keith, NUGGETS, Piper/Tartan, Renee/Rubie, Rhum, Ross Tweedsmuir, Tweedsmuir South.

(7) Gas exported to the Netherlands.

(8) Production from: Bains, Calder, Dalton, Millom, Morecambe North, Rhyl.

(9) Production from: Morecambe South.

(10) Production from: Hamilton, Hamilton East, Hamilton North, Lennox.

(11) Converted for use as an off-peak storage unit with effect from 1985.

(12) Production from: Alison, Alison KX, Anglia, Ann, Audrey, Bell (Conoco), Boulton, Caister (B and C), Callisto, Callisto North, Cavendish, Ensign, Europa, Ganymede, Hawksley, Hunter, Katy, Ketch, Kelvin, McAdam, Mimas, Murdoch, Pickerill, Rita, Saturn (Annabel), Saturn (Atlas, etc.), Saltfleetby, Schooner, Sinope, Topaz, Valiant North, Valiant South, Valkyrie, Vampire, Vanguard, Victor, Viking, Viscount, Vixen, Vulcan, Watt.

(13) Prior to 2001, the own use figure is included within the terminal or field production figure.

(14) Production from: Elgin, Franklin, Glenelg, Halley, Scoter, Shearwater.

(15) Production from: Andrew, Banff, Drake, Egret, Erskine, Everest, Farragon, Fleming, Hawkins, Heron, Jade, James, Janice, Jasmine, Joanne, Judy, Lomond, Machar, Madoes, Marnock, Mirren, Monan, Mungo, Seymour, Skua. Breagh to Teesside Gas Processing Plant.

(16) Production from: Bittern, Brent, Causeway, Clapham, Clyde, Cook, Cormorant (East, North and South), Curlew, Fulmar, Gannet (A, B, C, D, E, F and G), Goldeneye, Guillemot A, Guillemot North West, Guillemot West, Howe, Kittiwake, Kyle, Leven, Magnus, Magnus South, Mallard, Medwin, Murchison (UK), Nelson, Orion, Pelican, Penguin, Pict, Statfjord (UK), Strathspey, Teal, Teal South, Thistle.

(17) Gas delivered direct to Boddam (Peterhead) power station by dedicated pipeline.

(18) Production from: Atlantic, Beinn, Beryl, Boa, Brae Area, Braemar, Britannia, Brodgar, Caledonia, Callanish, Cromarty, Devenick, Enoch (UK), Kingfisher, Larch, Maclure, Ness, Nevis, Rochelle, Scott, Skene, Thelma, Tiffany, Toni, Tullich.

(19) Includes gas used at onshore gas terminals

F.3 Natural Gas Liquids net production

Thousand tonnes

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Offshore oil pipeline terminals *(1)* **:**																
Ethane	534	567	485	511	528	495	402	356	362	333	299	257	229	142	133	126
Propane	852	682	903	969	954	849	773	678	627	672	673	554	526	324	339	387
Butane	705	483	857	960	961	866	778	722	659	684	684	584	438	281	311	320
Condensate	424	439	422	532	532	500	469	419	411	412	406	393	328	181	123	105
Total offshore oil terminals:	**2,516**	**2,171**	**2,667**	**2,972**	**2,975**	**2,710**	**2,422**	**2,175**	**2,058**	**2,101**	**2,062**	**1,788**	**1,521**	**928**	**905**	**937**
Offshore associated gas terminals *(2)* **:**																
Ethane	1,173	1,321	1,114	1,085	1,003	978	1,011	925	791	869	701	608	370	280	208	259
Propane	1,890	1,966	1,747	1,700	1,579	1,551	1,374	1,239	1,141	1,254	994	908	521	422	324	384
Butane	1,203	1,229	1,044	1,059	997	975	856	810	744	748	593	575	330	285	232	285
Condensate	950	1,025	1,033	1,086	1,050	1,062	1,380	1,311	1,057	798	651	592	285	264	215	271
Total offshore associated gas terminals:	**5,217**	**5,541**	**4,938**	**4,930**	**4,629**	**4,566**	**4,621**	**4,285**	**3,733**	**3,670**	**2,938**	**2,683**	**1,505**	**1,251**	**980**	**1,199**
Offshore dry gas terminals *(3)* **:**																
Condensate	582	505	548	497	545	516	450	412	390	364	346	427	375	316	286	299
Total offshore dry gas terminals:	**582**	**505**	**548**	**497**	**545**	**516**	**450**	**412**	**390**	**364**	**346**	**427**	**375**	**316**	**286**	**299**
Onshore production *(4)* **:**																
Ethane	-	-	-	-	-	-	-	-	-	1	0	0	0	0	0	0
Propane	104	76	68	59	45	40	34	29	28	25	26	17	0	13	20	19
Butane	96	70	61	52	41	23	15	11	10	7	6	0	0	0	0	0
Condensate	-	-	10	4	3	3	1	1	0	0	0	0	0	0	0	0
Total onshore production:	**200**	**146**	**139**	**115**	**89**	**66**	**49**	**41**	**38**	**33**	**32**	**17**	0	**13**	**20**	**19**
Total Ethane	1,707	1,888	1,599	1,596	1,531	1,473	1,414	1,281	1,153	1,203	999	866	599	422	341	384
Total Propane	2,846	2,724	2,718	2,728	2,578	2,440	2,181	1,946	1,796	1,952	1,692	1,479	1,047	759	683	790
Total Butane	2,004	1,782	1,962	2,071	1,999	1,864	1,648	1,543	1,412	1,439	1,284	1,159	768	566	542	605
Total Condensate	1,956	1,969	2,013	2,119	2,130	2,081	2,300	2,143	1,858	1,574	1,403	1,412	987	761	624	675
Total production:	**8,515**	**8,363**	**8,292**	**8,514**	**8,238**	**7,858**	**7,543**	**6,913**	**6,218**	**6,168**	**5,378**	**4,915**	**3,401**	**2,508**	**2,190**	**2,454**

(1) Production from: Flotta, Forties, Nigg, Norpipe, Sullom Voe.

(2) Production from: Bacton SEAL Shell, CATS, FLAGS, Frigg (UK), SAGE.

(3) Production from: Bacton Perenco, Tullow, Shell, Dimlington, Easington, Barrow, Point Of Ayr, Theddlethorpe. Includes exports from fields that export gas directly to the Netherlands using the Dutch offshore pipeline system.

(4) Production from: Hamble, Holybourne, Knapton, Wytch Farm.

F.4 Disposals of crude oil[(1)]

Thousand tonnes

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
UK refineries	46,887	47,170	38,335	32,770	32,060	29,960	27,692	27,971	24,484	25,878	24,574	23,797	21,328	20,789	13,056	9,363	11,323
Exports:	77,322	80,078	79,061	75,749	75,367	68,073	59,553	49,226	44,923	45,129	40,808	39,102	36,898	28,112	28,536	29,432	25,899
Albania	-	-	84	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas *(2)*	257	143	65	-	-	-	-	67	88	-	84	-	-	-	-	-	-
Belgium	1,035	1,193	1,038	362	392	560	-	62	-	77	483	-	242	465	-	70	26
Canada	808	625	1,667	3,447	3,527	2,786	2,882	1,706	2,471	1,208	490	615	380	292	528	47	-
Chile	-	-	-	-	-	-	-	-	-	-	-	666	626	523	234	846	-
China	-	1,588	519	260	1,364	159	157	-	-	-	-	-	-	-	-	349	1,333
Denmark	-	-	-	79	64	57	-	-	104	-	240	424	589	551	247	376	23
Finland	788	929	690	1,674	184	245	236	552	790	1,626	250	-	-	-	-	156	230
France	15,261	15,177	11,975	11,725	10,019	9,842	8,528	4,685	7,249	5,154	3,501	2,540	3,322	2,354	1,662	2,268	1,546
Germany	17,406	11,879	10,732	11,043	8,058	8,854	9,521	11,000	10,251	10,271	10,542	6,382	7,186	5,210	6,287	4,999	5,649
Gibraltar	-	-	77	-	-	-	-	-	-	535	-	-	109	82	-	-	38
Greece	-	-	-	-	135	-	-	-	-	-	-	-	-	-	-	-	-
India	-	277	1,638	-	-	-	-	-	-	245	135	-	92	152	-	162	78
Italy	1,219	1,819	1,459	957	1,075	236	2,178	1,961	1,269	401	399	-	169	347	65	495	506
Lebanon	-	-	-	-	-	-	-	-	-	-	81	-	-	-	-	-	-
Lithuania	-	-	251	-	-	-	-	-	-	-	-	-	-	-		-	-
Martinique *(2)*	87	-	84	-	178	330	385	754	646	700	347	6	-	-	83	159	79
Morocco	-	-	163	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands *(3)*	15,591	16,540	18,912	20,194	19,794	16,418	12,325	10,462	10,517	11,245	11,192	15,570	13,426	11,832	12,764	11,341	10,070
Norway	1,087	1,297	542	329	223	545	331	796	156	954	326	352	970	157	559	419	181
Poland	1,494	682	368	-	-	-	-	87	319	415	239	321	669	535	160	798	641
Portugal	1,157	1,394	714	413	1,078	1,054	563	250	606	85	-	14	80	86	-	-	-
Puerto Rico	-	-	-	-	-	212	103	-	60	-	-	-	-	-	-	-	-
Republic of Ireland	82	69	-	322	964	977	719	783	100	171	-	75	157	-	-	65	135
Singapore	-	-	-	-	-	-	-	-	38	117	83	-	165	226	-	-	61
South Africa	1,028	-	-	-	263	-	-	-	271	-	-	258	126	-	-	2,434	1,461
South Korea	-	260	-	-	-	480	85	-	-	81	605	886	78	619	3,530	1,253	998
Spain	3,403	4,040	2,107	2,025	1,062	589	808	575	389	612	1,211	475	339	159	-	321	1,058
St Lucia *(2)*	-	-	-	-	-	-	-	-	-	-	-	131	499	135	-	-	544
Sweden	1,266	1,024	636	1,313	1,596	992	1,025	588	455	630	671	362	171	1,004	897	552	-
Turkey	-	-	-	-	-	-	-	-	-	471	277	80	595	-	195	166	335
USA	15,017	21,142	25,340	21,496	24,288	22,259	17,801	13,817	9,056	9,774	9,651	9,868	6,905	3,299	1,166	2,157	835
Virgin Islands *(2)*	-	-	-	-	-	-	-	93	-	355	-	-	-	-	-	-	-
Unknown	-	-	-	110	1,103	1,478	1,906	988	88	-	-	78	-	84	159	-	71
Total disposals *(4)*	**124,209**	**127,248**	**117,396**	**108,519**	**107,427**	**98,033**	**87,245**	**77,197**	**69,407**	**71,007**	**65,382**	**62,899**	**58,225**	**48,900**	**41,592**	**38,795**	**37,222**

(1) Monthly data for aggregate disposals to refineries and exports are available - See paragraph F.21.
(2) Some of the exports to the Caribbean area may have been for transhipment to the USA.
(3) Exports to the Netherlands include oil for transhipment or in transit to other destinations (e.g. Belgium and Germany).
(4) Includes disposals of onshore production. The difference between disposals and production as shown in Table F.2 is accounted for by platform and other field stock changes and by terminal and transit stock changes.

Annex G

Foreign trade

This annex provides an overview of published trade data by HM Revenue and Customs (HMRC) on energy products. There are some inconsistencies between the HMRC energy trade data and that presented in the main chapters of DUKES. In the main chapters, the trade data are produced from a combination of data from HMRC and from companies responding to DECC statistical surveys. In particular there are significant differences in the data for petroleum products. These data are presented for users who use energy trade data alongside trade data for other products.

Main points for 2014

Provisional data from HMRC show that:

- There were a total of 154 million tonnes of oil equivalent (mtoe) imported to the UK in 2014 which was 6.3 per cent lower than in 2013 (**table G.1**).
- Exports also fell by 1.8 per cent to 83.5 mtoe, having been on the decline over the past few years (**table G.1**).
- The energy trade deficit stood at £13.7 billion, 25 per cent lower than in 2013. The fall was largely due to a reduced deficit particularly in crude oil and natural gas, down 44 per cent and 47 per cent respectively (**table G.7**).

Imports by fuel type:

- Coal imports fell by 13.3 per cent to 40 million tonnes, with large fall in steam coal mainly used for electricity generation (**table G.2**).
- Crude oil imports fell by 4.9 per cent to 46.5 million tonnes largely due to lower demand from refineries (**table G.3**).
- HMRC data shows that the UK was a net importer of petroleum product in 2014 by 3.1 million tonnes (**table G.3**).
- Although gas imports overall fell by 11 per cent to 465 TWh, there was an increase of 29 per cent in LNG imports as a result of increased imports from Qatar which were up by 19.3 per cent (**table G.5**).

Introduction

G.1 This annex provides an overview of the UK energy trade commodities which also corresponds with that published in the *Overseas Trade Statistics of the United Kingdom (O.T.S.)*[1]. Section I of this annex covers energy trade volume while section II covers energy trade value.

G.2 The volume information in section I, focuses on the declaration made to HMRC on UK imports and exports in relation to countries outside the European Union (EU) as well as on arrivals and dispatches in relation to EU member states. In table G.1, DECC has converted the HMRC data into million tonnes of oil equivalent (mtoe), so that energy sources can be combined to provide an overview of total trade. The value information, in section II, corresponds to that published by the Office for National Statistics energy trade value data.

G.3 In this annex, DECC has used estimates based on its industry trade reports for some recent gas data to improve on the accuracy and quality of the data. Those estimates are indicated and footnoted in the tables. The latest data for 2014 are provisional.

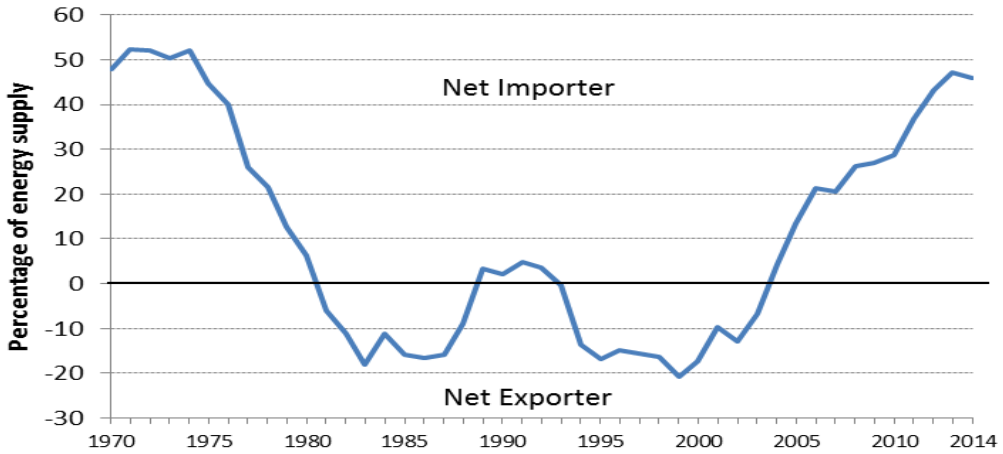
[1] www.uktradeinfo.com/Statistics/Pages/Statistics.aspx

SECTION I - Volume

1.1 Overview - Import and export of fuels

G.4 In the 1970s the UK was a net importer of energy. Discoveries of oil and gas from the North Sea and the price spikes of 1973 led to a large rise in domestic UK crude oil production. In the early 1980s the UK became a net exporter of energy. However, as a result of the Piper Alpha disaster in 1988, oil production fell, leading to the UK reverting back to become a net importer of energy. The UK once again became a net exporter in the mid-1990s as a result of growth in the North Sea production, but after the peak in 1999, North Sea production slowed and since 2004 the UK once again became and has remained a net importer of fuels. **Chart G.1a** below shows the UK net import dependence level from 1970 to 2014, based on DECC data. Since 2004, net import dependency has continued to rise but in 2014, the dependency level (net imports compared to demand) fell to 46.0 per cent as imports fell by 7.4 per cent and exports by 7.1 per cent.

Chart G.1a - UK import dependency, 1970 to 2014



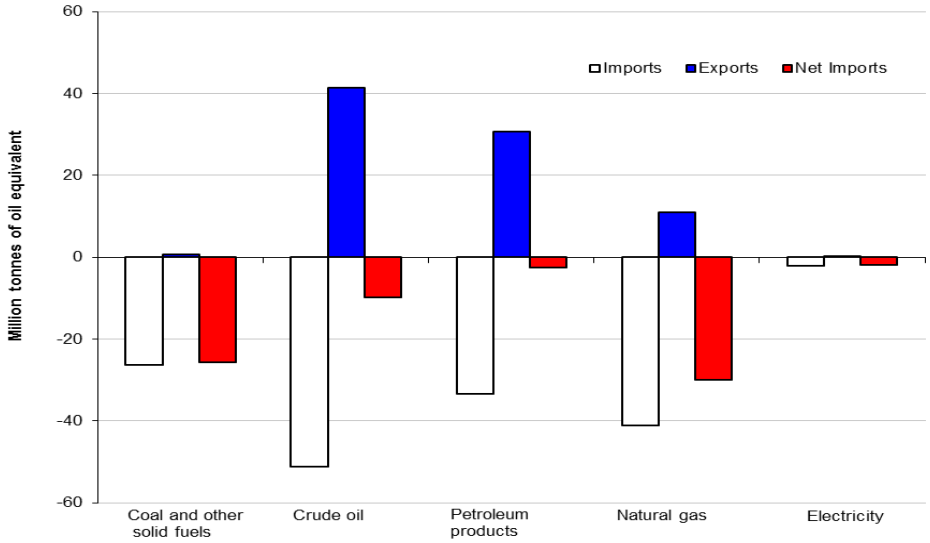
Source: DECC

G.5 HMRC data shows that since the switch from being a net exporter in 2003 to a net importer in 2004, the UK has continued to remain a net importer of energy. Net imports have grown considerably in the past few years as the falls in UK energy consumption have been outweighed by the continuing decline in production. In 2014, total net imports of fuels stood at 70.1 million tonnes of oil equivalent (mtoe); 8.7 mtoe lower than in 2013, as imports fell by 6.3 per cent and exports by 1.8 per cent (***Chart G.1b***). ***Table G.1***, at the end of this annex, shows the HMRC UK import and export quantities for all fuel types since 2001.

Chart G.1b - UK net imports of fuel, 2001 to 2014

G.6 ***Chart G.2*** illustrates trade by fuel type based on HMRC volume data together with average DECC data on the energy content of the fuels for 2014 and in which the UK was a net importer of all fuels. The UK has for a long time been a net exporter of petroleum products but over the past few years exports levels have rapidly declined. In 2014, the fall in production partly due to the cessation of refining activity at the Milford Haven refinery and maintenance issues elsewhere resulted in much lower exports of petroleum products (down 16 per cent) and with the imports of petroleum products being broadly similar to 2013, the UK became a net importer of petroleum products in 2014. DECC volume data shows the switch from net exports to net imports occurred in 2013, a year earlier.

Chart G.2 - Imports and exports by fuel type, 2014

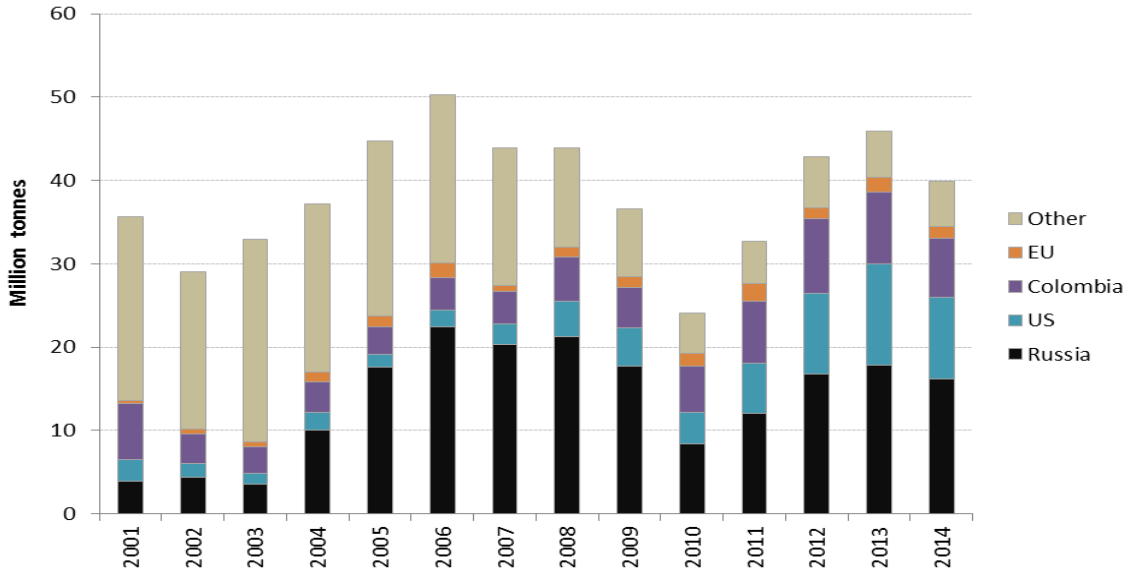


1.2 Coal and manufactured solid fuels

G.7 Imports of coal had been on the decline since the peak in 2006, but in recent years, increases in gas prices has resulted in more coal being used to satisfy demand from electricity generators, leading to higher imports. ***Chart G.3*** illustrates the trends in the imports of coal by country for the years 2001-2014. In 2014, the UK imported 39.9 million tonnes of coal and other solid fuels, 13 per cent (6.1 million tonnes) lower than in the previous year. The fall in 2014 was mainly due to lower demand from electricity generators as more power stations closed down.

G.8 ***Table G.2,*** provides a breakdown of HMRC imports and exports of steam coal, coking coal, anthracite and other solid fuels by country of origin and destination.

Chart G.3: Imports of coal by country of origin 2001 to 2014



G.9 Coal imports from Russia have been steadily increasing and in 2005, Russia overtook South Africa to become the UK's largest coal provider and has since continued to be so. In 2014, 40 per cent of the UK's coal imports were from Russia followed by 25 per cent from the US and a further 18 per cent from Colombia.

G.10 Of the total coal imported in 2014, 81 per cent was steam coal, 17 per cent was coking coal and the rest anthracite and other solid fuels. In 2014, import of steam coal fell by 17 per cent with imports from Russia down 12 per cent to 14.8 million tonnes, from the US down 27 per cent to 6.8 million tonnes and from Colombia down by 20 per cent to 6.9 million tonnes.

G.11 In 2014, 45 per cent of the UK coking coal imports came from the US followed by 20 per cent from Russia and 16 per cent from Australia. The bulk of anthracite and other solid fuels imports were from EU countries.

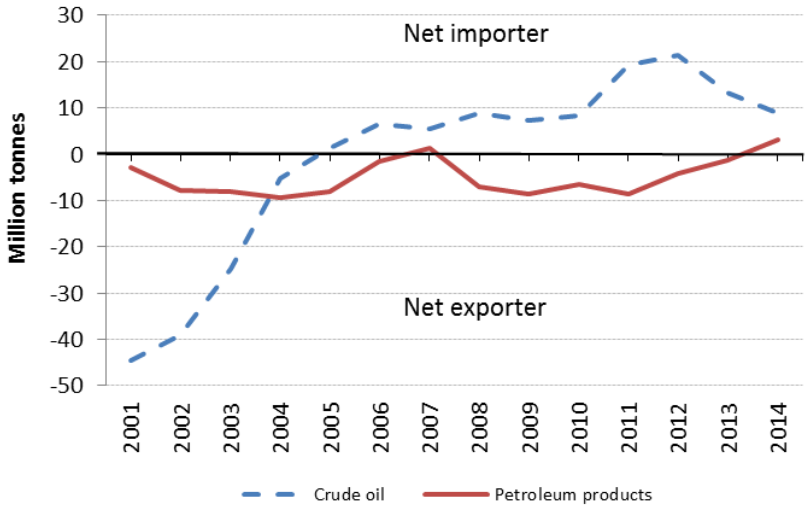
G.12 Exports of coal and other solid fuels fell by 20 per cent to under a million tonnes in 2014 with 39 per cent of coal exports to the Irish Republic.

1.3 Crude oil and petroleum products

G.13 Trade quantities, in thousands of tonnes, of crude oil and refined petroleum products are shown in in ***Table G.3***. In the table, the import values per tonne are expressed on a cost, insurance and freight (c.i.f) basis while the export values are on a free on board (f.o.b) basis (e.g costs of goods to the purchaser abroad) – see section II for more details.

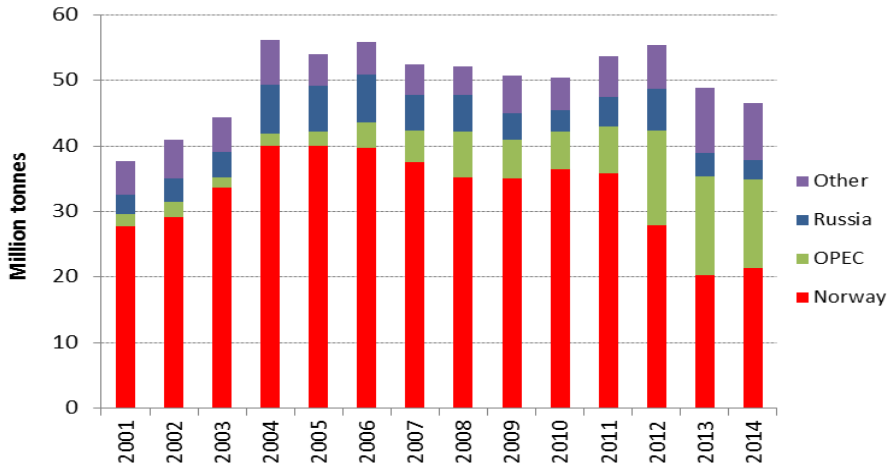
G.14 ***Table G.4*** provides trade data in crude oil by country where the import data, as far as possible, are on a 'country of origin' (or production) basis. Since becoming a net importer of crude oil in 2005, the UK's net imports of crude oil have steadily increased, rising significantly between 2010 and 2012. Net imports of crude oil as reported by HMRC have since been on the decline and in 2014 it fell further by 33 per cent to 8.8 million tonnes (***chart G.4)*** as demand from refineries fell.

Chart G.4 - Net trade of crude oil and petroleum products 2001 to 2014



G.15 Norway remains the major crude oil supplier to the UK despite the continuous drop in imports from that country in the past few years (***chart G.5***). In 2014, Norway supplied around 46 per cent of the UK's total crude oil imports compared to 76 per cent in 2003. The majority of the remaining imports came from the OPEC African countries such as Algeria, Angola, Libya and Nigeria which together accounted for 29 per cent of the total crude imports. Imports from Russia were 6 per cent of the total and from the Middle East, mainly from Saudi Arabia, 5 per cent. In 2014, exports of crude oil to EU countries rose 17 per cent and represented just over 85 per cent of the UK's total exports of crude oil to the EU. The UK's two largest markets in the EU are Germany and the Netherlands; the bulk of the exports to Germany are for refining and consumption, whilst exports to the Netherlands include oil destined for onward trade to other countries. Most of the non-EU exports of crude oil were to South Korea and the US.

Chart G.5 - Imports of crude oil by country of origin, 2001 to 2014p



G.16 The main refined petroleum products imported into the United Kingdom in 2014 were gas oil & diesel oil which together accounted for 44 per cent of the total; followed by aviation turbine fuel (kerosene) 27 per cent. The main refined petroleum products exported in 2014 were motor & aviation spirits; gas oil & diesel oil and fuel oils which together accounted for 68 per cent of the total.

G.17 On a net trade basis, in 2014 HMRC data show that the UK was a net importer of petroleum products with net imports of 3.1 million tonnes (***chart G.4)***. In 2014 the UK net imports of aviation turbine fuel were 6.8 million tonnes and of diesel 8.1 million tonnes. However, the UK net exports of petrol were 5.1 million tonnes and fuel oil, 3.2 million tonnes.

1.4 Imports and exports of natural gas

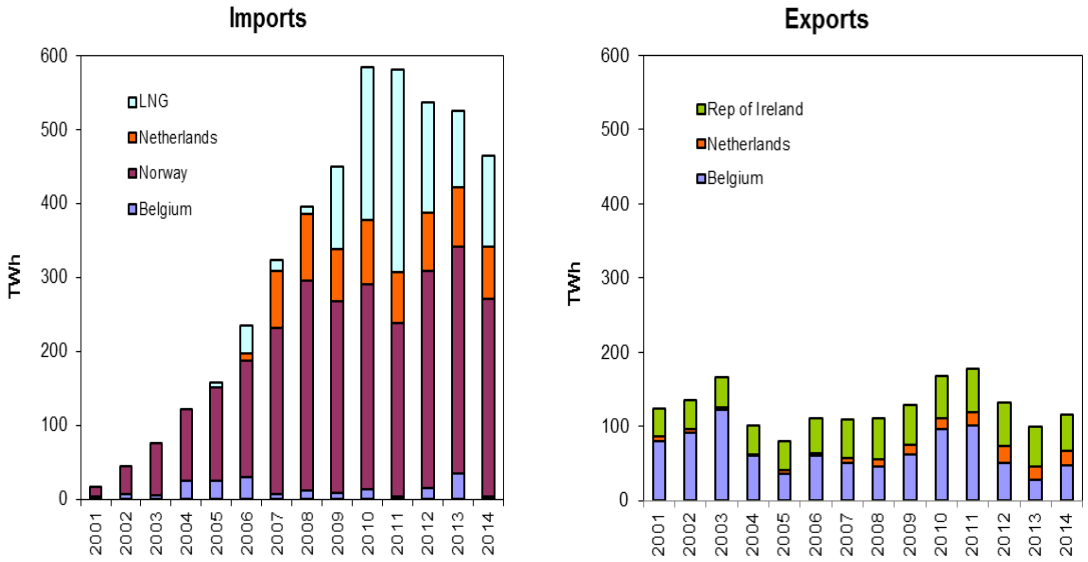
G.18 Between 1997 and 2003 the UK was a net exporter of gas. UK gas production peaked in 2000 and has since been in general decline. As a result the UK has sought to access additional supplies of gas from a range of sources to bridge the gap between indigenous production and demand as reserves on the UK Continental Shelf deplete.

G.19 Since 1999 natural gas imports have been increasing sharply, but since the peak in 2010 imports levels have declined, falling 11 per cent in 2014. Natural gas exports increased sharply between 2005 and 2011, declining in the following two years but increased again by 17 per cent in 2014. ***Chart G.6*** depicts the trends in natural gas imports and exports by country. It also includes trends in the volume of Liquefied Natural Gas (LNG) imports (see ***Chart G.7*** for country breakdown of LNG imports). The UK does not export LNG however it has one of the world's largest importation terminals by capacity and the largest in Europe at the Isle of Grain, and the pipeline structure to then export natural gas to the continent.

G.20 **Table G.5** gives a breakdown of imports and exports of natural gas by country of origin and destination. The data in the table are physical flows as reported by the pipeline or terminal operators to DECC. Whilst the data presented in the table differ from the nominated flows reported in Chapter 4, the overall net flows (e.g net imports or net exports) are essentially the same.

G.21 In 2014 the UK exported 116 TWh of gas which was 17 per cent more than in 2013. The Republic of Ireland was the main destination of UK gas exports followed by Belgium. The other main destination of UK gas exports was the Netherlands via the UK share gas fields using the Dutch WGT pipeline system to Den Helder and Uithuizen.

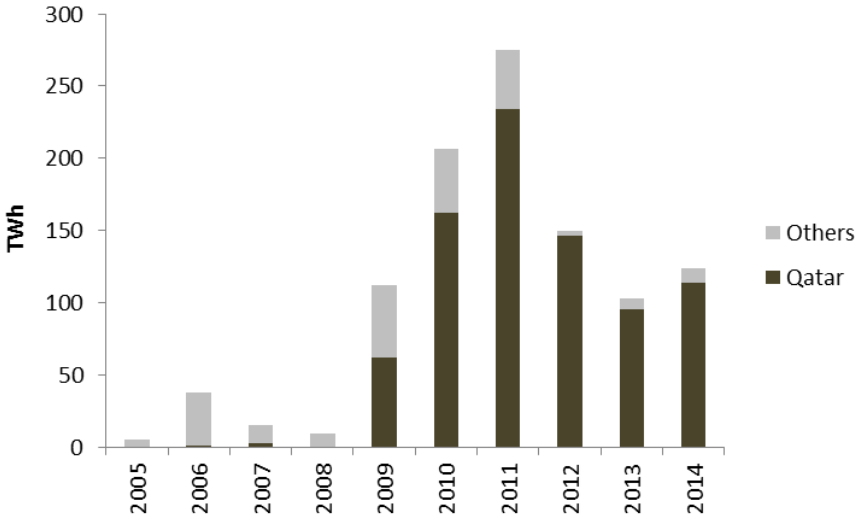
Chart G.6 - Imports and exports of natural gas by country, 2001 to 2014



G.22 In 2014 the UK imported 465 TWh of gas which was 11 per cent less than in 2013. Nearly 57 per cent of gas imports were from the Norwegian Continental Shelf. LNG imports from various sources (***Chart G.7***) increased by 21 per cent and accounted for 27 per cent of total gas imports in 2014. LNG imports from Qatar increased by 19 per cent and accounted for 92 per cent of total LNG imports. Supplies were also delivered to the UK from the European mainland via the Balgzand (Netherlands)-Bacton interconnector and from Zeebrugge (Belgium) via the interconnector with Belgium. The origin of the gas molecules from mainland Europe is not known hence are assigned to the Netherlands and Belgium.

G.23 The UK does not import natural gas and LNG from Russia. The physical origins of the gas through the pipelines are not available. It is possible that a very small amount of gas from Russia finds its way across continental Europe to the UK, but given the gas pipeline infrastructure it is believed that most of the gas from the Netherlands is sourced from the Dutch sector of the North Sea, and that most of the gas from Belgium is sourced from Norway via Zeepipe (which terminates at Zeebrugge). Thus any UK gas sourced from Russia is negligible.

Chart G.7 - Imports of LNG by country, 2005 to 2014



1.5 Imports and exports of electricity

G.24 For over a decade, the UK has been a net importer of electricity. In 2014, imports of electricity came mainly from France (15 TWh) and the Netherlands (8 TWh); whilst exports were to Ireland. In 2014, imports of electricity rose 32 per cent to 23 TWh due to increased imports from both France and Netherlands via the interconnector. Exports of electricity to Ireland rose 11 per cent to 3 TWh.

1.6 Imports and exports of renewables

G.25 Apart from wood pellets and biodiesel, HMRC do not collect any other specific data on the imports of renewables intended to be used for energy purposes. In 2014, wood pellets imports to the UK, mainly from the United States, were 5 million tonnes, an increase of 39 per cent on the previous year (**table G.6**) while imports of biodiesel were 0.3 million tonnes, an increase of 50 per cent. In 2014 DECC estimates of total renewables imports to the UK which include wood, wood waste, biomass and liquid biofuels were 3 mtoe, up 45 per cent on the previous year.

SECTION II – Value

2.1 Imports and exports of fuels (Overseas Trade Statistics basis)

G.26 For statistical purposes, the UK adopts the valuation basis for overseas trade statistics (OTS) as recommended in the International Merchandise Trade Statistics Concepts & Definitions published by the United Nations. This means that the valuation of exports and dispatches is on a free on board (fob) basis (eg costs of goods to the purchaser abroad) while the valuation of imports and arrivals is on a cost, insurance and freight (cif) basis which includes all the incurred expenses in moving the goods to the point of entry into the UK, but excludes any duty or tax chargeable in the UK.

G.27 On an OTS basis, following the switch from the energy trade surplus of £0.6 billion in 2004, the UK has remained in deficit (*Chart G.8*). Between 2005 and 2008, the energy trade deficit grew steadily but fell back in 2009 reflecting lower oil prices. It has since continued to grow significantly although in 2013 it fell back again driven by a fall in the deficit of crude oil and petroleum products. In 2014 the deficit saw a further reduction of 25 per cent to £13.7 billion due to substantial reduction in crude oil prices and natural gas volume. The deficit of crude oil and petroleum products, on the same basis, in 2014 was £5.8 billion (1.1 per cent more than in 2013) compared to a £2.2 billion surplus in 2004 (*Chart G.9*).

Chart G.8 - Value of net exports of fuel, 2001 to 2014

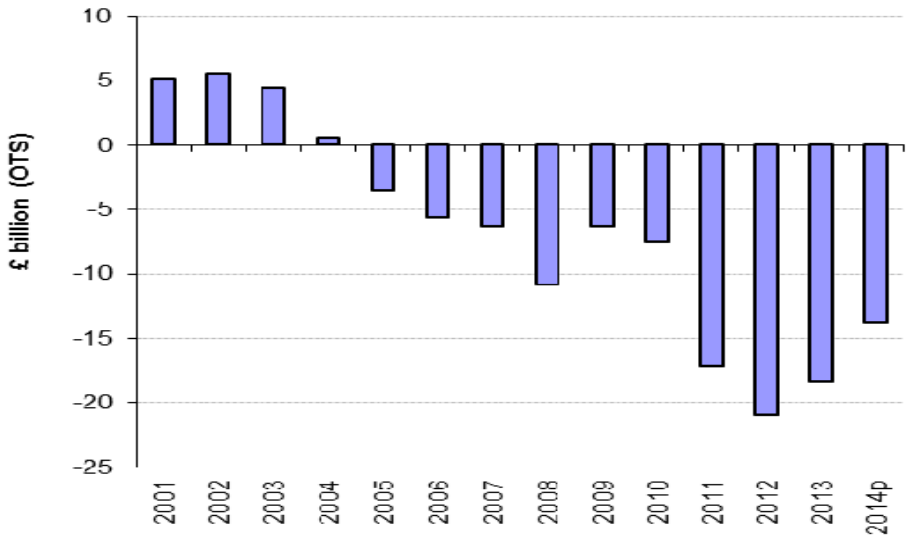
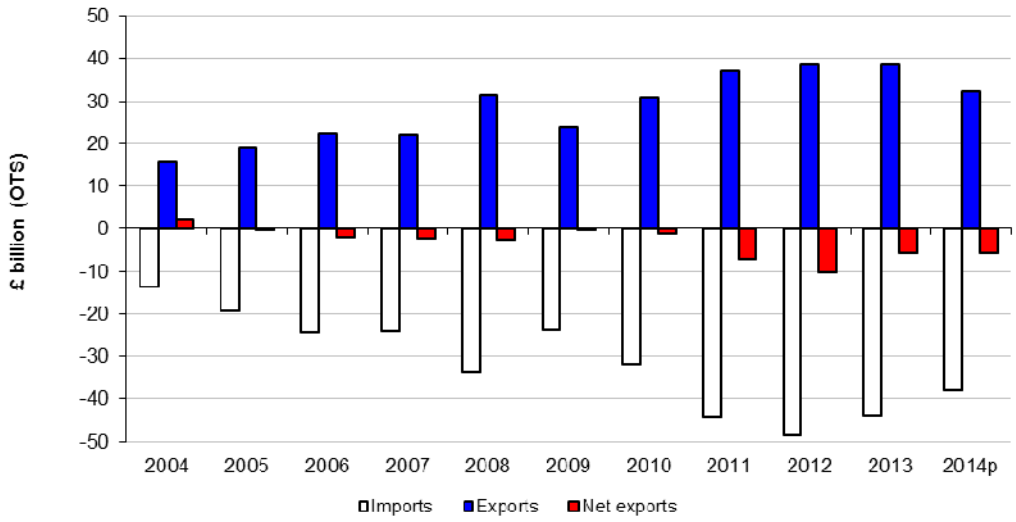


Chart G.9: Value in trade of oils[(1)], 2004 to 2014



(1) Crude oil and petroleum products

Imports on CIF, exports on FOB basis

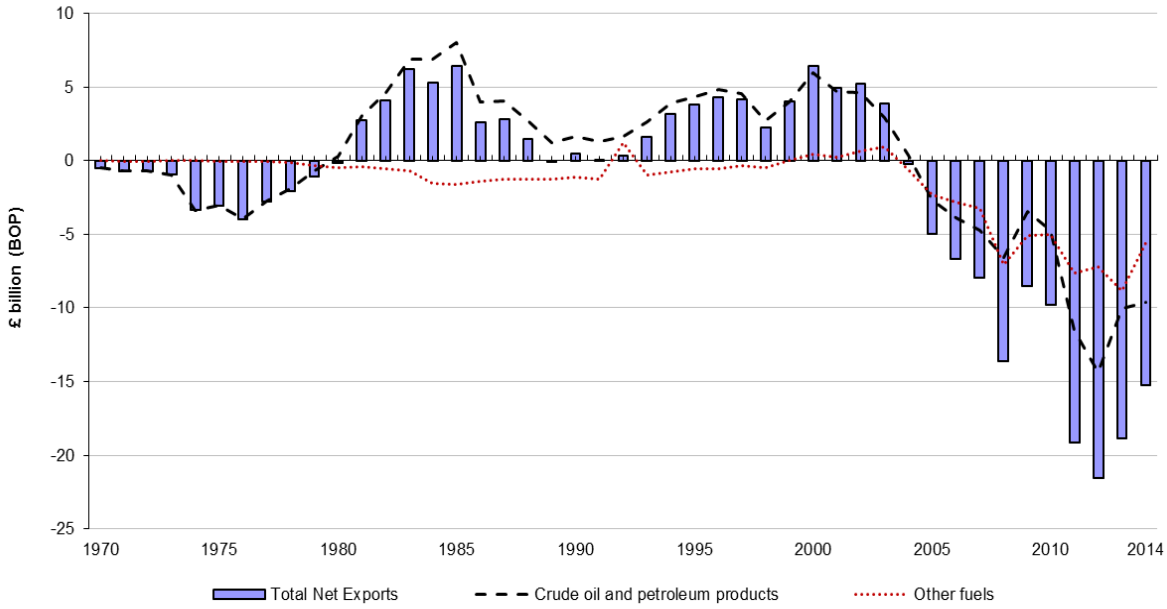
2.2 Imports and exports of fuels (Balance of Payment basis)

G.28 In order to conform with the International Monetary Fund (IMF), the Office for National Statistics (ONS) compiles their energy trade data on a balance of payment basis (BOP) in which the value of goods is the value at the point of the exporting country, e.g the freight and insurance costs to the UK is excluded from the value recorded by HMRC.

G.29 ***Chart G.10*** shows the net exports of fuels in value terms on a BOP basis since 1970. The United Kingdom's trade in fuels was dominated by imports until exports started to grow substantially in the mid-1970s, when production from the North Sea started, resulting in a trade surplus in 1981. This surplus was sustained between 1981 and 2003, except for a small deficit in 1989, and amounted to just under £80 billion over that period. However, these surpluses were reduced by the fall in oil prices in 1986, and then by the fall in North Sea production following the Piper Alpha accident in 1988 and the resulting safety works. Although the trade surplus increased steadily from 1992 to 1996, there were falls in 1997 and 1998 due to the drop in the price of crude oil. Prices of crude oil and petroleum products increased in 1999 and again in 2000 giving it, in current price terms, the highest net surplus. In 2001 the value of the trade surplus fell, reflecting falls in the price of crude oil and petroleum products; however, this was partly reversed by a 6 per cent increase in the net trade surplus during 2002.

G.30 Since 2004 the UK has been a net importer of fuels with deficits recorded both for oil and the other fuels series. The deficit increased sharply in 2008 due to a sharp rise in the price of crude oil with Brent prices increasing by $25 per barrel to $98 per barrel, before falling back to $63 per barrel in 2009. In 2011 there was another sharp increase in the size of the energy trade deficit, which nearly doubled that in 2010, from £9.8 billion to £19.1 billion; this was mainly due to the oil deficit increasing from £4.7 billion to £11.5 billion, as oil prices rose sharply from an average of $80 per barrel in 2010 to $111 per barrel in 2011. In 2014, on a BOP basis, the total deficit was £15.2 billion, £3.6 billion less than in the previous year driven by deficit in crude oil falling by £0.4 billion, as less crude oil were imported as well as deficit in other fuels falling by £3.2 billion. Crude oil price fell by around $10 per barrel to stand at $99 per barrel in 2014.

Chart G.10 - Value of net exports of fuels on a balance of payment basis, 1970 to 2014



G.31 **Table G.6** shows the trends in the UK trade values from 1970 to 2014 both on an OTS and BOP basis. Import values on a f.o.b. basis are also included in the table, to allow net exports to be presented on a comparable f.o.b. basis over the same period.

Technical notes and definitions

G.32 The figures of imports and exports quoted in this annex are derived from notifications to HM Revenue and Customs, and may differ from those for actual arrivals and shipments, derived from alternative and/or additional sources, in the sections of the Digest dealing with individual fuels. Data in Table G.1 also include unpublished revisions to Customs data, which cannot be introduced into Tables G.3 to G.5.

G.33 All quantity figures in Table G.1 have been converted to million tonnes of oil equivalent to allow data to be compared and combined. This unit is a measure of the energy content of the individual fuels; it is also used in the Energy section of this Digest and is explained in Annex A, paragraphs A.45 to A.46. The quantities of imports and exports recorded in the Overseas Trade Statistics, in their original units of measurement, are converted to tonnes of oil equivalent using weighted gross calorific values and standard conversion factors appropriate to each division of the Standard International Trade Classification (SITC). The electricity figures are expressed in terms of the energy content of the electricity traded.

G.34 Except as noted in Table G.6, values of imports are quoted “c.i.f." (cost, insurance and freight). Briefly this value is the price that the goods would fetch at that time, on sale in the open market between buyer and seller independent of each other, with delivery to the buyer at the port of importation, the seller bearing freight, insurance, commission and all other costs, etc, incidental to the sale and delivery of the goods with the exception of any duty or tax chargeable in the United Kingdom. Values of exports are “f.o.b." (free on board), which is the cost of the goods to the purchaser abroad, including packing, inland and coastal transport in the United Kingdom, dock dues, loading charges and all other costs, charges and expenses accruing up to the point where the goods are deposited on board the exporting vessel or at the land boundary of Northern Ireland.

G.35 Figures of the value of net exports in Tables G.6 are derived from exports and imports measured on a Balance of Payments (B.O.P) basis. The figures are consistent with the European System of Accounts 1995, the basis on which they are published by the Office for National Statistics. This means exports as recorded by HM Revenue and Customs, will differ from those recorded by the Office for National Statistics on a B.O.P basis.

G.36 Figures correspond to the following items of SITC (Rev 3) at
http://unstats.un.org/unsd/cr/registry/regcst.asp?Cl=14&Lg=1

Coal	321.1 and 321.2
Other solid fuels	322 and 325 (part)
Crude oil	333
Petroleum products	334, 335, 342 and 344 (plus Orimulsion reclassified to division 278 during 1994)
Natural gas	343
Electricity	351

G.37 In 1993, the Single European Market was created. At that time, a new system for recording the trade in goods between member states, called INTRASTAT, was introduced. As part of this system only obliges small traders to report their annual trade and as some trading supply returns are late, it is necessary to include adjustments for unrecorded trade. This is particularly true of 1993, the first year of the system and of coal imports in that year.

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G.1 Imports and exports of fuels [1]

Million tonnes of oil equivalent

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014 p
Imports														
Coal and other solid fuel	24.8	20.0	22.5	25.4	30.6	34.6	28.8	28.7	23.7	16.2	21.5	27.8	30.0	26.2
Crude oil	43.2	44.6	48.7	61.4	59.1	60.8	48.2	56.8	55.3	54.5	58.2	61.6	52.8	51.0
Petroleum products	23.2	23.1	25.0	28.9	31.1	34.5	41.6	29.1	28.2	29.8	29.6	32.7	33.6	33.3
Natural gas[2]	2.6	5.2	7.4	11.4	14.9	21.0	29.1	35.0	39.2	51.0	50.6*	47.3*	46.0*	41.0*
Electricity	0.9	0.8	0.4	0.8	1.0	0.9	0.7	1.1	0.6	0.6	0.7	1.2	1.5	2.0
Total imports	**94.8**	**93.8**	**104.0**	**127.9**	**136.7**	**151.8**	**148.3**	**150.7**	**147.0**	**152.1**	**160.6**	**170.6**	**163.9**	**153.6**
Exports														
Coal and other solid fuel	0.7	0.7	0.6	0.6	0.5	0.4	0.7	1.0	0.5	1.1	0.9	0.8	0.8	0.6
Crude oil	89.6	87.1	76.0	66.1	55.2	51.4	51.2	47.0	47.3	45.4	37.2	36.7	38.8	41.5
Petroleum products	30.1	33.5	35.7	38.7	38.5	37.6	33.6	38.2	37.6	37.2	38.7	38.8	35.7	30.2
Natural gas[2]	11.9	13.0	15.2	9.8	8.3	10.4	10.6	10.5	11.8	15.2	15.8*	12.4*	9.4*	11.0*
Electricity	0.0	0.1	0.3	0.2	0.2	0.2	0.3	0.1	0.3	0.4	0.2	0.2	0.3	0.2
Total exports	**132.3**	**134.3**	**127.7**	**115.5**	**102.7**	**100.0**	**96.4**	**96.9**	**97.5**	**99.3**	**92.8**	**88.8**	**85.1**	**83.5**
Net exports														
Coal and other solid fuel	-24.1	-19.3	-21.9	-24.8	-30.1	-34.2	-28.1	-27.6	-23.2	-15.0	-20.6	-27.1	-29.2	-25.6
Crude oil	46.4	42.5	27.3	4.8	-3.9	-9.5	3.0	-9.9	-8.0	-9.1	-21.0	-24.9	-13.9	-9.6
Petroleum products	6.9	10.4	10.6	9.9	7.4	3.1	-7.9	9.1	9.3	7.4	9.1	6.1	2.1	-3.2
Natural gas	9.3	7.8	7.8	-1.6	-6.6	-10.6	-18.5	-24.5	-27.4	-35.8	-34.8	-34.9	-36.6	-30.0
Electricity	-0.9	-0.7	-0.2	-0.6	-0.7	-0.6	-0.4	-0.9	-0.2	-0.2	-0.5	-1.0	-1.2	-1.8
Total net exports	**37.6**	**40.5**	**23.7**	**-12.4**	**-34.0**	**-51.9**	**-52.0**	**-53.8**	**-49.4**	**-52.8**	**-67.8**	**-81.8**	**-78.8**	**-70.1**

*Source: HMRC,*DECC estimates*

(1) See Energy Trends at https://www.gov.uk/government/organisations/department-of-energy-climate-change/about/statistics for the latest DECC quarterly estimates
(2) Physical flow

G.2 Imports and exports of solid fuels

Thousand tonnes

2001	Imports *(1)*				Exports			
	Steam coal	Coking coal	Anthracite	Other solid fuel	Steam coal	Coking coal	Anthracite	Other solid fuel
European Union								
Belgium/Luxembourg	6	-	-	56	-	-	68	1
Denmark	-	-	-	-	12	-	4	-
Finland	-	-	-	-	-	-	-	36
France	-	-	-	7	9	-	78	29
Germany	-	-	-	52	2	-	22	18
Irish Republic	64	-	9	-	210	4	24	25
Italy	-	-	-	-	-	-	-	5
Netherlands *(2)*	150	-	7	-	1	-	1	12
Portugal	-	-	-	-	-	-	-	-
Spain	-	-	-	1	-	-	12	-
Sweden	5	-	-	-	-	-	4	55
Other countries	-	-	-	-	-	-	-	-
Total European Union	**224**	**-**	**16**	**116**	**234**	**4**	**213**	**181**
Australia	2,283	4,777	16	-	-	-	-	-
Canada	-	1,182	-	-	-	-	-	-
Colombia	6,722	-	-	-	-	-	-	-
Indonesia	50	-	-	-	-	-	-	-
Norway	23	-	1	1	63	-	26	180
People's Republic of China	295	-	410	48	-	-	-	-
Poland	1,183	-	52	-	-	-	-	-
Republic of South Africa	10,139	29	91	-	-	-	1	-
Russia	3,894	-	1	-	-	-	-	-
United States of America	857	1,735	18	-	-	-	-	-
Venezuela	56	-	-	-	-	-	-	-
Vietnam	-	-	92	-	-	-	-	-
Other countries	1,315	-	81	-	5	-	4	33
Total all countries	**27,041**	**7,723**	**778**	**165**	**301**	**4**	**244**	**394**
Value of imports (cif)/export (fob) (£m) *(3)*	839	285	34	14	19	0	13	26
Value per tonne (£)	32	37	44	64	47	67	66	66
2002								
European Union								
Belgium/Luxembourg	-	-	2	86	1	-	58	1
Denmark	-	-	-	-	13	-	5	-
Finland	-	-	-	-	-	-	-	38
France	5	-	12	12	2	-	61	114
Germany	10	-	-	15	32	-	15	50
Irish Republic	32	-	14	12	214	2	27	34
Italy	-	-	-	-	-	-	1	1
Netherlands *(2)*	226	-	31	96	-	-	2	11
Portugal	-	-	-	-	-	-	-	1
Spain	9	-	-	-	-	-	-	-
Sweden	25	-	-	-	3	-	6	51
Other countries	-	-	-	-	-	-	-	-
Total European Union *(5)*	**307**	**-**	**59**	**220**	**264**	**2**	**175**	**300**
Australia	682	4,229	182	1	-	-	-	-
Canada	-	750	-	-	-	-	-	-
Colombia	3,518	-	29	-	-	-	-	-
Indonesia	45	-	-	-	-	-	-	-
Norway	163	-	1	-	74	-	14	153
People's Republic of China	208	-	80	41	-	-	-	-
Poland	1,558	1	38	25	-	-	-	-
Republic of South Africa	9,608	-	267	-	-	-	-	-
Russia	3,563	48	757	57	-	-	-	-
United States of America	252	1,286	29	-	-	-	-	-
Vietnam	-	-	86	-	-	-	-	-
Other countries	917	-	23	26	3	-	1	23
Total all countries	**20,821**	**6,315**	**1,550**	**370**	**341**	**2**	**191**	**476**
Value of imports (cif)/export (fob) (£m) *(3)*	588	240	53	24	19	0	11	31
Value per tonne (£)	27	38	34	64	56	87	59	66

G.2 Imports and exports of solid fuels (continued)

Thousand tonnes

2003	Imports *(1)*				Exports			
	Steam coal	Coking coal	Anthracite	Other solid fuel	Steam coal	Coking coal	Anthracite	Other solid fuel
European Union								
Belgium/Luxembourg	-	-	12	65	-	-	79	3
Denmark	-	-	-	-	13	-	-	-
Finland	-	-	-	-	-	-	-	41
France	5	-	14	14	-	-	52	37
Germany	-	-	2	14	1	-	-	1
Greece	-	-	-	-	-	-	2	-
Irish Republic	46	-	11	11	267	2	35	38
Italy	-	14	-	11	-	-	-	-
Netherlands *(2)*	243	-	3	41	-	-	-	2
Spain	21	-	-	-	-	-	-	-
Sweden	-	-	-	8	-	-	5	47
Other countries	-	-	-	-	-	-	1	1
Total European Union *(5)*	**314**	**14**	**41**	**162**	**281**	**2**	**174**	**170**
Australia	1,162	4,409	-	-	-	-	-	-
Canada	-	839	-	-	-	-	1	-
Colombia	3,006	158	-	8	-	-	-	-
Indonesia	402	-	-	-	-	-	-	-
Latvia	1,441	-	-	-	-	-	-	-
Norway	145	-	-	15	75	-	3	121
People's Republic of China	170	-	40	470	-	-	-	-
Poland	1,896	-	6	-	-	-	-	-
Republic of South Africa	11,649	433	110	-	-	-	-	-
Russia	3,288	98	14	181	-	-	-	-
United States of America	167	1,089	45	-	-	-	-	-
Venezuela	41	-	-	-	-	-	-	-
Vietnam	-	-	45	-	-	-	-	-
Other countries	772	80	17	150	3	-	2	-
Total all countries	**24,452**	**7,120**	**319**	**986**	**359**	**2**	**181**	**291**
Value of imports (cif)/export (fob) (£m) *(3)*	653	256	15	71	20	0	13	21
Value per tonne (£)	27	36	48	72	55	90	71	71
2004								
European Union								
Belgium/Luxembourg	6	-	5	18	-	-	65	2
Denmark	-	-	-	1	1	-	-	-
Estonia *(3)*	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	36
France	32	-	14	8	-	-	51	36
Germany	8	-	5	50	-	-	8	5
Irish Republic	34	-	6	8	346	5	25	33
Italy	-	-	-	37	-	-	-	3
Latvia *(3)*	-	-	-	5	-	-	-	-
Netherlands *(2)*	183	-	10	38	-	5	4	12
Poland *(3)*	636	-	-	18	-	-	-	-
Portugal	8	-	-	-	-	-	-	-
Spain	24	-	-	-	8	-	-	-
Sweden	-	-	-	19	7	-	-	47
Other countries	1	-	-	-	-	-	1	1
Total European Union *(5)*	**932**	**-**	**40**	**199**	**362**	**9**	**154**	**175**
Australia	2,035	4,140	-	25	-	-	-	-
Canada	25	715	-	18	-	-	1	-
Colombia	3,630	-	-	53	-	-	-	-
Indonesia	1,458	-	-	-	-	-	-	-
Norway	138	-	-	2	74	-	13	56
People's Republic of China	190	-	43	432	-	-	-	-
Republic of South Africa	10,039	-	105	-	-	-	-	-
Russia	9,711	148	73	142	-	-	-	-
United States of America	717	1,342	2	-	-	-	-	-
Venezuela	39	-	-	-	-	-	-	-
Vietnam	-	-	23	-	-	-	-	-
Other countries	569	-	-	179	3	-	2	6
Total all countries	**29,483**	**6,345**	**320**	**1,050**	**440**	**9**	**170**	**237**
Value of imports (cif)/export (fob) (£m) *(3)*	1,046	269	16	151	25	1	11	23
Value per tonne (£)	35	42	49	144	57	91	66	96

G.2 Imports and exports of solid fuels (continued)

Thousand tonnes

2005	Imports *(1)*				Exports			
	Steam coal	Coking coal	Anthracite	Other solid fuel	Steam coal	Coking coal	Anthracite	Other solid fuel
European Union								
Austria	-	-	-	-	-	-	-	5
Belgium/Luxembourg	-	-	14	20	-	-	84	2
Czech Republic	-	-	-	1	-	-	-	-
Denmark	-	-	-	-	4	-	-	-
Estonia *(3)*	15	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	36
France	-	-	4	-	1	-	32	20
Germany	12	-	4	41	1	-	-	5
Irish Republic	24	-	14	8	280	15	27	25
Italy	-	-	-	5	-	-	-	-
Latvia *(3)*	90	28	-	-	-	-	-	-
Netherlands *(2)*	197	-	-	70	-	-	3	14
Poland *(3)*	647	-	-	24	-	-	-	1
Spain	41	-	-	3	-	-	-	-
Sweden	-	-	-	36	3	-	2	53
Other countries	1	-	-	1	1	-	-	1
Total European Union *(5)*	**1,027**	**28**	**37**	**209**	**290**	**15**	**148**	**162**
Australia	808	3,499	156	-	-	-	-	-
Canada	-	1,084	-	-	-	-	1	-
Colombia	3,289	-	-	-	-	-	-	-
Indonesia	1,616	-	-	-	-	-	-	-
Norway	-	-	-	-	65	-	20	46
People's Republic of China	110	-	25	367	-	-	-	-
Republic of South Africa	12,980	-	49	-	-	-	-	-
Russia	16,748	697	76	125	-	-	-	-
United States of America	299	1,210	-	-	-	-	-	-
Other countries	225	-	-	27	8	-	3	1
Total all countries	**37,101**	**6,519**	**343**	**728**	**363**	**15**	**172**	**209**
Value of imports (cif)/export (fob) (£m) *(3)*	1,436	418	19	86	25	2	13	26
Value per tonne (£)	39	64	56	118	70	113	76	125
2006								
European Union								
Belgium/Luxembourg	-	-	2	26	3	-	65	1
Czech Republic	-	-	-	-	1	-	-	-
Denmark	10	-	-	-	5	-	-	-
Estonia *(3)*	37	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	20
France	3	-	2	-	-	-	24	23
Germany	44	-	6	35	-	-	4	11
Irish Republic	16	-	3	7	248	1	24	18
Latvia *(3)*	384	-	-	-	-	-	-	-
Netherlands *(2)*	188	-	-	42	-	-	3	22
Poland *(3)*	856	-	-	31	-	-	-	-
Spain	46	-	-	-	64	-	-	-
Sweden	-	-	-	29	-	-	-	3
Other countries	-	-	-	10	-	-	-	-
Total European Union *(5)*	**1,584**	**-**	**13**	**180**	**320**	**1**	**121**	**97**
Australia	143	3,914	-	-	-	-	-	-
Canada	-	1,282	-	-	-	-	1	-
Colombia	3,798	-	-	-	-	-	-	-
Iceland	-	-	-	-	17	-	-	-
Indonesia	1,895	-	-	-	-	-	-	-
Norway	-	20	-	2	9	-	7	24
People's Republic of China	34	-	10	226	-	-	-	-
Republic of South Africa	12,601	-	42	-	-	-	-	-
Russia	21,950	298	37	168	-	-	-	-
United States of America	692	1,332	-	-	-	-	-	-
Vietnam	-	-	19	-	-	-	-	-
Other countries	-	28	2	-	2	-	2	1
Total all countries	**42,697**	**6,875**	**123**	**577**	**349**	**1**	**131**	**122**
Value of imports (cif)/export (fob) (£m) *(3)*	1,616	481	9	52	24	-	10	14
Value per tonne (£)	38	70	75	90	70	127	78	115

G.2 Imports and exports of solid fuels (continued)

Thousand tonnes

2007	Imports *(1)*				Exports			
	Steam coal	Coking coal	Anthracite	Other solid fuel	Steam coal	Coking coal	Anthracite	Other solid fuel
European Union								
Belgium/Luxembourg	-	-	1	12	3	-	45	12
Czech Republic	-	-	-	-	1	-	-	-
Denmark	7	-	-	-	6	5	-	-
Estonia *(3)*	66	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	40
France	-	-	-	3	-	-	13	39
Germany	8	-	5	29	-	-	3	98
Irish Republic	22	-	1	6	283	-	23	13
Italy	-	7	-	-	-	-	-	-
Latvia *(3)*	69	61	-	-	-	-	-	-
Netherlands *(2)*	170	-	-	125	1	-	9	22
Poland *(3)*	130	-	-	2	-	-	-	-
Spain	11	-	-	-	117	-	-	-
Sweden	-	-	-	27	-	-	-	9
Other countries	-	-	-	-	-	-	-	-
Total European Union *(5)*	**482**	**68**	**8**	**204**	**410**	**5**	**94**	**233**
Australia	527	4,218	-	-	-	-	-	-
Canada	-	1,662	-	-	-	-	5	-
Colombia	3,800	-	72	-	-	-	-	-
Indonesia	1,455	-	-	-	-	-	-	-
Iceland	-	-	-	-	7	-	-	-
Norway	-	42	-	-	8	4	15	19
People's Republic of China	175	68	12	550	-	-	-	-
Republic of South Africa	7,706	-	23	-	-	-	-	-
Russia	19,692	393	21	159	-	-	-	-
United States of America	1,121	1,402	-	-	-	-	-	-
Other countries	-	29	-	21	2	3	2	22
Total all countries	**34,957**	**7,884**	**137**	**933**	**428**	**13**	**116**	**274**
Value of imports (cif)/export (fob) (£m) *(3)*	1,470	473	8	121	31	1	10	28
Value per tonne (£)	42	60	57	130	72	99	85	102
2008								
European Union								
Belgium/Luxembourg	24	-	2	13	22	123	66	3
Czech Republic	-	-	1	-	1	-	-	-
Denmark	8	-	-	-	2	18	-	-
Finland	-	-	-	-	-	-	-	37
France	-	-	-	-	1	-	57	93
Germany	15	-	3	32	-	-	3	93
Irish Republic	32	-	3	5	313	-	32	16
Latvia *(3)*	321	-	-	-	-	-	-	-
Netherlands *(2)*	146	-	2	142	103	37	9	-
Poland *(3)*	213	-	-	3	-	-	-	-
Spain	123	-	-	15	217	-	2	3
Sweden	-	-	-	33	-	-	-	6
Other countries	-	-	-	-	-	-	-	-
Total European Union *(5)*	**882**	**-**	**11**	**244**	**658**	**178**	**168**	**251**
Australia	638	3,303	-	-	-	-	-	-
Bosnia & Herz.	-	-	-	48	-	-	-	-
Canada	-	1,412	-	18	-	-	3	-
Colombia	5,270	-	-	38	-	-	-	-
Egypt	-	-	-	38	-	-	1	-
India	-	-	-	-	1	-	1	-
Indonesia	2,088	-	-	-	-	-	-	-
Norway	-	-	-	-	11	-	14	38
People's Republic of China	-	-	14	63	-	-	-	-
Republic of South Africa	4,185	-	12	-	-	-	-	-
Russia	20,641	300	160	148	-	-	-	-
Turkey	-	-	-	90	-	-	-	-
United States of America	2,741	1,527	16	-	-	-	-	-
Venezuela	8	-	-	-	-	-	-	-
Other countries	60	-	-	1	2	-	1	2
Total all countries	**36,514**	**6,542**	**213**	**688**	**672**	**179**	**188**	**291**
Value of imports (cif)/export (fob) (£m) *(3)*	2,791	690	28	152	65	12	17	44
Value per tonne (£)	76	105	130	222	96	67	88	153

G.2 Imports and exports of solid fuels (continued)

Thousand tonnes

2009	Imports *(1)*				Exports			
	Steam coal	Coking coal	Anthracite	Other solid fuel	Steam coal	Coking coal	Anthracite	Other solid fuel
European Union								
Belgium/Luxembourg	15	-	-	2	0	-	43	3
Denmark	6	-	-	6	0	-	-	-
Finland	-	-	-	-	0	-	-	24
France	-	-	-	-	0	-	7	58
Germany	14	-	5	8	8	-	0	11
Irish Republic	67	-	3	6	264	-	48	34
Latvia *(3)*	92	-	-	-	-	-	-	-
Netherlands *(2)*	99	-	3	27	0	-	3	1
Poland *(3)*	566	-	-	0	6	0	0	0
Portugal	1	-	0	-	0	-	-	-
Spain	276	-	-	7	189	-	2	-
Sweden	-	-	-	19	0	0	0	9
Other countries	-	-	0	-	0	-	0	0
Total European Union *(5)*	**1,136**	**-**	**11**	**75**	**468**	**0**	**104**	**141**
Australia	382	2,698	-	-	-	-	0	0
Canada	-	213	-	-	-	-	1	-
Colombia	4,883	-	-	3	-	-	-	-
Indonesia	694	-	-	-	-	-	-	-
Norway	-	55	-	-	22	5	8	57
People's Republic of China	597	-	3	0	-	-	0	-
Republic of South Africa	2,941	-	13	-	27	-	0	-
Russia	17,203	327	180	16	-	-	0	-
United States of America	2,896	1,691	0	-	-	-	0	-
Venezuela	-	490	-	-	-	-	-	-
Other countries	90	-	-	4	8	1	2	1
Total all countries	**30,824**	**5,474**	**207**	**97**	**526**	**6**	**115**	**199**
Value of imports (cif)/export (fob) (£m) *(3)*	1,907	702	26	17	61	1	14	35
Value per tonne (£)	62	128	124	177	117	203	122	177
2010								
European Union								
Belgium/Luxembourg	5	7	-	11	125	-	41	12
Denmark	-	-	-	-	4	-	0	-
Finland	-	-	-	3	5	-	-	32
France	-	3	-	8	0	-	4	55
Germany	18	44	3	37	9	0	0	55
Irish Republic	36	1	7	431	350	-	22	35
Latvia *(3)*	-	-	-	2	-	-	-	-
Netherlands *(2)*	127	24	-	15	4	-	0	0
Poland *(3)*	563	4	-	-	0	-	0	0
Portugal	-	-	-	-	0	-	0	-
Spain	132	12	4	-	9	-	1	-
Sweden	-	28	-	-	25	-	0	6
Other countries	-	-	-	32	0	-	0	0
Total European Union *(5)*	**881**	**123**	**14**	**539**	**532**	**0**	**70**	**196**
Australia	-	3,235	64	-	-	0	0	0
Canada	-	424	-	-	0	-	1	52
Colombia	5,461	51	6	-	-	-	-	-
Indonesia	162	-	-	-	-	-	-	-
Norway	69	-	-	-	65	-	15	43
People's Republic of China	-	-	7	-	-	-	-	-
Republic of South Africa	757	-	-	-	19	-	0	50
Russia	7,864	398	95	-	-	-	0	-
United States of America	1,846	2,010	-	-	-	-	0	0
Other countries	99	13	-	-	9	1	3	275
Total all countries	**17,139**	**6,254**	**186**	**540**	**624**	**1**	**90**	**616**
Value of imports (cif)/export (fob) (£m) *(3)*	1,104	723	22	29	74	0	12	134
Value per tonne (£)	64	116	121	55	119	272	129	217

G.2 Imports and exports of solid fuels (continued)

Thousand tonnes

2011	Imports *(1)*				Exports			
	Steam coal	Coking coal	Anthracite	Other solid fuel	Steam coal	Coking coal	Anthracite	Other solid fuel
European Union								
Belgium/Luxembourg	117	33	163	13	31	0	38	33
Denmark	-	-	0	11	8	-	-	7
Finland	-	-	-	2	-	49	6	-
France	-	-	-	0	13	18	2	35
Germany	21	43	0	71	85	192	0	0
Irish Republic	20	4	6	533	244	13	35	69
Latvia (3)	-	-	-	5	-	-	-	-
Netherlands (2)	163	6	-	38	2	-	3	5
Poland (3)	725	4	-	0	11	0	0	0
Spain	81	14	14	0	7	-	1	1
Sweden		24			2	0	0	0
Other countries	0	3	1	7	33	0	0	4
Total European Union *(4)*	**1,127**	**132**	**184**	**680**	**436**	**272**	**85**	**154**
Australia	-	3,136	-	-	-	0	0	1
Canada	-	301	-	-	-	0	2	5
Colombia	7,377	-	-	-	-	-	0	0
Norway	197	-	-	-	49	3	8	46
People's Republic of China	-	-	9	-	-	-	-	0
Republic of South Africa	620	-	-	-	6	78	0	0
Russia	11,790	227	-	-	-	-	0	-
United States of America	4,354	1,739	-	-	0	0	0	1
Sri Lanka	478	-	-	-	-	-	-	-
Other countries	245	51	-	-	8	38	2	30
Total all countries	**26,188**	**5,584**	**193**	**680**	**499**	**390**	**97**	**238**
Value of imports (cif)/export (fob) (£m) *(3)*	2,050	916	21	48	63	83	13	45
Value per tonne (£)	78	164	109	70	126	212	137	189
2012								
European Union								
Belgium/Luxembourg	72	4	0	11	20	3	34	23
Denmark	-	0	-	7	0	0	-	7
Finland	-	-	-	1		50	-	0
France	-	0	0	3	21	17	4	28
Germany	15	23	4	66	0	47	0	0
Irish Republic	27	4	10	440	265	22	33	72
Latvia *(3)*	-	-	-	4	-	-	-	0
Netherlands *(2)*	190	6	0	37	4	6	-	3
Poland *(3)*	87	5	-	0	18	0	0	0
Portugal	-	-	0	-	0	-	0	6
Spain	99	28	5	0	21	7	-	1
Sweden	-	24	-	0	3	-	0	0
Other countries	14	1	1	24	7	1	28	10
Total European Union *(4)*	**503**	**95**	**20**	**593**	**359**	**152**	**100**	**150**
Australia	-	2,402	-	-	-	0	0	0
Canada	665	169	-	1	0	-	1	17
Colombia	9,075	-	-	-	-	-	-	-
Norway	257	-	-	-	32	0	15	47
China	0	-	5	0	-	-	-	0
South Africa	495	0	4	-	-	55	0	0
Russia	16,181	552	-	-	-	-	0	0
United States	7,833	1,825	0	0	0	0	0	35
Venezuela	175	-	-	-	-	-	-	-
Sri Lanka	1,918	-	-	-	-	-	-	-
Other countries	0	62	0	0	5	4	4	26
Total all countries	**37,102**	**5,104**	**29**	**595**	**396**	**210**	**120**	**275**
Value of imports (cif)/export (fob) (£m) *(3)*	2,451	675	6	47	53	43	13	68
Value per tonne (£)	66	132	216	79	134	205	112	247

G.2 Imports and exports of solid fuels (continued)

Thousand tonnes

2013	Imports *(1)*				Exports			
	Steam coal	Coking coal	Anthracite	Other solid fuel	Steam coal	Coking coal	Anthracite	Other solid fuel
European Union								
Belgium/Luxembourg	7	9	0	20	31	0	36	25
Denmark	0	-	-	2	0	0	-	23
Finland					0	60	-	0
France	28	0	0	2	9	26	2	22
Germany	30	33	2	56	0	35	0	2
Irish Republic	63	8	9	331	323	20	35	81
Latvia *(3)*	33	-	-	6				
Netherlands *(2)*	195	13	0	44	7	13	5	4
Poland *(3)*	531	14	-	0	5	0	0	4
Portugal					-	0	-	7
Spain	207	6	-	0	2	11	0	8
Sweden	-	21	-	-	3	6	-	0
Other countries	31	12	1	7	25	0	0	0
Total European Union *(4)*	**1,125**	**116**	**12**	**467**	**404**	**172**	**78**	**176**
Australia	82	1,487	-	-	-	0	0	0
Canada	644	68	-	3	-	-	1	17
Colombia	8,574	87	-	-	0	-	-	-
Norway	267	-	0	0	33	2	16	25
Switzerland	0	2	6	0	-	0	0	0
South Africa	422	6	1	-	-	21	0	0
Russia	16,752	1,089	4	-				
United States	9,348	2,780	0	0	-	0	0	0
Venezuela	186	-	-	-	-	-	0	-
Sri Lanka	1,121	-	-	0	0	-	0	-
Ukraine	291	34	-	-				
Other countries	329	690	-	0	10	56	47	24
Total all countries	**39,142**	**6,359**	**23**	**471**	**448**	**252**	**143**	**242**
Value of imports (cif)/export (fob) (£m) *(3)*	2,296	688	5	38	61	40	28	52
Value per tonne (£)	59	108	226	80	136	160	197	214
2014								
European Union								
Belgium/Luxembourg	8	2	0	15	7	0	25	20
Denmark	-	-	-	2	0	-	-	17
Finland					7	63	-	0
France	-	1	-	0	5	39	5	21
Germany	34	30	2	39	0	39	1	5
Irish Republic	47	12	4	385	221	10	24	79
Latvia *(3)*	90	20	-	4				
Netherlands *(2)*	116	6	0	51	2	-	0	16
Poland *(3)*	212	4	-	0	6	0	0	2
Portugal					-	-	-	10
Spain	168	13	-	0	21	0	1	0
Sweden	-	19	-	-	-	0	-	0
Other countries	14	1	65	0	17	0	0	4
Total European Union *(4)*	**690**	**108**	**71**	**496**	**286**	**152**	**55**	**173**
Australia	-	1,077	0	-	-	-	0	0
Canada	380	378	-	0	-	-	1	27
Colombia	6,886	163	4	-	-	-	-	0
Norway	262	-	-	-	16	3	23	35
Switzerland	100	0	-	-	0	0	-	-
South Africa	136	-	7	-	-	20	0	0
Russia	14,750	1,366	21	-				
United States	6,811	3,052	0	0	0	0	0	0
Chile	78	-	-	-	-	-	0	-
Sri Lanka	2,016	-	-	-	0	-	0	0
Ukraine	310	-	0	-				
Other countries	17	696	8	0	41	17	2	15
Total all countries	**32,435**	**6,840**	**111**	**497**	**343**	**192**	**81**	**251**
Value of imports (cif)/export (fob) (£m) *(3)*	1,715	593	15	38	47	27	11	50
Value per tonne (£)	53	87	132	77	136	141	131	199

Source : H.M. Revenue and Customs

(1) Country of origin basis.

(2) Includes extra-EU coal routed through the Netherlands.

(3) Joined the EU on 1 May 2004

(4) Includes a small quantity from other EU countries

G.3 Imports and exports of crude oil and petroleum products

	1999 Quantity (Thousand tonnes)	Value per tonne (£)	2000 Quantity (Thousand tonnes)	Value per tonne (£)	2001 Quantity (Thousand tonnes)	Value per tonne (£)	2002 Quantity (Thousand tonnes)	Value per tonne (£)	2003 Quantity (Thousand tonnes)	Value per tonne (£)	2004 Quantity (Thousand tonnes)	Value per tonne (£)
Imports (c.i.f.)												
Crude oil	**33,151**	**76.0**	**36,898**	**138.2**	**37,696**	**128.0**	**40,913**	**122.0**	**44,379**	**133.9**	**56,095**	**151.4**
Refined petroleum products *(1)*												
Petroleum gases *(2)*	845	120.5	1,119	131.8	1,156	119.7	709	140.9	549	250.2	818	203.9
Motor spirit and aviation spirit	1,947	119.5	1,971	210.0	3,440	200.4	2,280	168.8	1,828	178.1	2,215	227.4
Other light oils and spirit *(3)*	667	99.0	584	217.7	550	194.7	681	179.4	1,294	179.3	1,294	212.7
Aviation turbine fuel (kerosene)	4,163	109.5	5,761	193.0	6,716	174.4	7,156	156.1	6,073	173.1	7,687	215.8
Other kerosene	163	80.1	181	225.5	427	180.3	163	154.2	162	198.2	268	204.4
Gas oil/diesel oil	4,788	112.9	3,988	188.6	4,315	176.9	4,602	153.3	5,997	164.8	5,517	194.1
Fuel oil *(4)*	5,892	60.9	5,275	111.1	5,054	104.1	5,382	108.9	6,240	124.2	7,578	131.8
Lubricating oils	111	305.9	197	390.5	378	354.4	426	278.5	395	316.9	381	334.4
Petroleum coke	644	47.4	683	48.1	770	68.5	844	63.0	836	54.2	1,094	51.0
Other	198	147.5	44	454.6	67	341.8	39	484.9	79	287.3	77	316.0
Total refined petroleum products	**19,418**	**95.9**	**19,802**	**167.1**	**22,874**	**161.0**	**22,284**	**145.0**	**23,456**	**159.2**	**26,929**	**183.3**
Exports (f.o.b)												
Crude oil	**68,114**	**81.3**	**71,615**	**135.6**	**82,269**	**128.0**	**79,951**	**123.0**	**69,031**	**133.0**	**61,386**	**154.0**
Refined petroleum products *(1)*												
Petroleum gases *(2)*	5,564	100.2	5,398	149.4	3,713	170.4	4,759	140.4	4,645	165.0	3,814	216.1
Motor spirit and aviation spirit	5,922	108.2	4,625	194.5	4,335	167.5	4,467	165.6	4,057	191.0	6,600	218.4
Other light oils and spirit *(3)*	2,339	116.4	3,554	168.9	3,419	164.4	3,648	161.3	4,952	177.0	5,125	217.3
Aviation turbine fuel (kerosene)	722	103.1	521	184.1	440	172.6	634	153.6	590	173.0	983	221.4
Other kerosene	147	164.9	194	239.7	278	218.8	407	194.8	400	205.4	524	255.4
Gas oil/Diesel oil	5,550	98.6	6,936	162.6	5,699	147.1	7,718	134.2	7,345	153.1	6,995	186.8
Fuel oil *(4)*	5,326	64.0	6,205	108.5	6,238	94.5	7,039	95.3	7,859	109.6	10,623	103.7
Lubricating oils	252	215.5	337	299.4	824	300.3	705	276.1	880	265.2	788	272.4
Petroleum coke	641	153.6	502	233.3	504	228.4	588	188.5	482	198.2	520	188.9
Other	195	164.4	198	173.3	212	193.3	193	181.7	204	174.8	215	177.9
Total refined petroleum products	**26,658**	**99.1**	**28,469**	**158.1**	**25,661**	**151.5**	**30,160**	**139.9**	**31,414**	**157.7**	**36,188**	**179.4**

G.3 Imports and exports of crude oil and petroleum products (continued)

	2005 Quantity (Thousand tonnes)	2005 Value per tonne (£)	2006 Quantity (Thousand tonnes)	2006 Value per tonne (£)	2007 Quantity (Thousand tonnes)	2007 Value per tonne (£)	2008 Quantity (Thousand tonnes)	2008 Value per tonne (£)	2009 Quantity (Thousand tonnes)	2009 Value per tonne (£)	2010 Quantity (Thousand tonnes)	2010 Value per tonne (£)
Imports (c.i.f.)												
Crude oil	**54,050**	**213.1**	**55,780**	**261.6**	**52,394**	**264.5**	**52,159**	**394.1**	**50,675**	**286.7**	**50,457**	**386.4**
Refined petroleum products *(1)*												
Petroleum gases *(2)*	806	458.0	820	1,008.1	1,198	316.8	1,045	445.3	532	309.0	565	449.5
Motor spirit and aviation spirit	2,773	291.7	3,322	317.5	3,163	380.9	3189*	495.0*	3,003	388.00*	3,489	502.2
Other light oils and spirit *(3)*	1,788	277.3	2,154	316.0	2,577	327.5	1,472	464.4	960	379.8	819	485.6
Aviation turbine fuel (kerosene)	9,551	306.6	7,341	354.3	7,114	342.0	7,527	541.4	7,325	353.1	6,739	461.4
Other kerosene	97	324.3	322	336.2	625	354.3	615	537.6	851	357.7	892	474.8
Gas oil/diesel oil	5,688	290.5	8,520	321.4	8,781	326.7	8,481	495.5	8,175	349.9	9,763	455.6
Fuel oil *(4)*	6,950	167.5	8,468	196.8	9,227	225.2	4,410	326.5	4,327	256.3	3,967	349.1
Lubricating oils	426	408.2	501	542.5	592	457.6	493	691.6	461	578.7	586	690.7
Petroleum coke	973	53.9	880	70.5	486	92.7	884	112.9	813	90.5	728	106.7
Other	133	281.7	154	355.4	376	253.6	371	328.1	368	293.8	154	493.3
Total refined petroleum products	**29,187**	**264.3**	**32,483**	**309.9**	**34,138**	**305.8**	**28,487**	**468.2**	**26,815**	**335.8**	**27,701**	**445.0**
Exports (f.o.b)												
Crude oil	**52,634**	**213.9**	**49,320**	**268.9**	**46,779**	**269.3**	**43,192**	**385.4**	**43,350**	**287.0**	**42,084**	**380.3**
Refined petroleum products *(1)*												
Petroleum gases *(2)*	3,729	245.5	2,499	299.6	2,422	316.5	3,270	400.2	2,795	309.5	2,611	456.8
Motor spirit and aviation spirit	7,250	273.1	7,060	329.9	7,676	316.9	8,096	445.5	9,326	358.6	9,989	487.2
Other light oils and spirit *(3)*	5,811	251.2	5,102	325.0	4,953	343.2	4,020	453.7	3,508	354.6	3,146	485.6
Aviation turbine fuel (kerosene)	1,268	317.0	1,491	362.8	1,765	350.8	2,297	556.1	2,510	366.2	2,039	483.0
Other kerosene	481	338.9	381	395.5	368	393.9	262	519.9	371	370.6	386	478.1
Gas oil/Diesel oil	6,382	265.0	5,976	300.5	5,335	301.3	6,615	458.0	7,229	317.8	7,837	426.2
Fuel oil *(4)*	10,684	140.8	9,945	167.8	8,894	187.9	9,599	284.8	8,393	239.1	6,638	303.2
Lubricating oils	750	357.8	858	420.7	642	478.9	572	757.9	623	611.8	717	664.2
Petroleum coke	544	214.5	486	261.4	529	322.1	496	473.2	491	406.6	647	539.4
Other	287	188.8	240	202.6	148	268.6	155	328.1	123	348.9	79	533.9
Total refined petroleum products	**37,188**	**230.0**	**34,037**	**277.0**	**32,733**	**289.0**	**35,381**	**413.6**	**35,370**	**323.4**	**34,090**	**439.3**

G.3 Imports and exports of crude oil and petroleum products (continued)

	2011 Quantity (Thousand tonnes)	Value per tonne (£)	2012 Quantity (Thousand tonnes)	Value per tonne (£)	2013 Quantity (Thousand tonnes)	Value per tonne (£)	2014 Quantity (Thousand tonnes)	Value per tonne (£)
Imports (c.i.f.)								
Crude oil	**53,657**	**523.5**	**55,357**	**537.1**	**48,910**	**523.0**	**46,530**	**463.2**
Refined petroleum products *(1)*								
Petroleum gases *(2)*	546	565.2	485	583.1	599	566.1	597	500.9
Motor spirit and aviation spirit	2,989	636.1	3,764	665.5	3,855	647.9	2,816	585.0
Other light oils and spirit *(3)*	924	624.7	827	620.7	1,141	613.9	1,247	557.9
Aviation turbine fuel (kerosene)	6,904	620.1	6,507	650.4	8,110	637.9	8,136	562.6
Other kerosene	701	620.9	1,269	633.3	1,229	627.5	439	552.7
Gas oil/diesel oil	10,096	613.1	13,080	624.5	11,997	605.4	13,520	535.8
Fuel oil *(4)*	4,087	462.5	2,828	483.7	1,993	467.1	2,134	418.0
Lubricating oils	516	908.2	480	950.6	842	583.8	456	989.4
Petroleum coke	519	192.6	622	150.8	762	145.9	466	111.4
Other	180	582.9	273	519.6	614	434.6	861	369.5
Total refined petroleum products	**27,461**	**592.0**	**30,136**	**616.1**	**31,142**	**595.5**	**30,671**	**535.3**
Exports (f.o.b)								
Crude oil	**34,356**	**498.4**	**33,950**	**532.2**	**35,708**	**528.4**	**37,702**	**470.8**
Refined petroleum products *(1)*								
Petroleum gases *(2)*	2,362	549.1	2,271	564.9	2,076	542.7	2,440	450.3
Motor spirit and aviation spirit	10,728	639.4	9,181	659.9	9,896	615.8	7,920	552.2
Other light oils and spirit *(3)*	2,639	619.7	3,353	636.0	3,345	623.0	3,357	561.6
Aviation turbine fuel (kerosene)	1,561	622.6	1,566	687.5	1,204	635.5	1,288	556.4
Other kerosene	770	637.3	345	669.1	711	641.7	300	607.1
Gas oil/Diesel oil	9,099	558.8	9,262	599.7	7,869	570.7	5,457	499.5
Fuel oil *(4)*	7,135	413.2	6,516	423.4	6,044	393.0	5,368	351.2
Lubricating oils	886	822.0	710	836.1	550	874.2	699	689.0
Petroleum coke	840	542.0	925	468.9	544	430.8	563	341.5
Other	81	593.4	134	515.1	130	487.1	173	436.7
Total refined petroleum products	**36,100**	**568.4**	**34,262**	**589.3**	**32,368**	**561.4**	**27,565**	**494.0**

Source: H.M. Revenue and Customs

(1) Excludes pitch, mineral tars and natural gas.

(2) Includes small quantities of unidentified non-petroleum gases.

(3) Includes wide-cut gasoline, white spirit and petroleum naphthas.

(4) Includes partly refined oil for further processing.

G.4 Imports and exports of crude oil by country

	1999			2000			2001			2002			2003			2004		
	Quantity (Thousand tonnes)	Value (£million)	Value per tonne (£)	Quantity (Thousand tonnes)	Value (£million)	Value per tonne (£)	Quantity (Thousand tonnes)	Value (£million)	Value per tonne (£)	Quantity (Thousand tonnes)	Value (£million)	Value per tonne (£)	Quantity (Thousand tonnes)	Value (£million)	Value per tonne (£)	Quantity (Thousand tonnes)	Value (£million)	Value per tonne (£)
Imports (c.i.f.)																		
Middle East																		
Abu Dhabi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dubai	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	1,026	65.1	63.47	1,573	220.0	139.90	623	72.3	116.05	324	41.7	128.68	762	89.7	117.73	1,363	190.7	139.91
Other countries	973	62.3	64.05	233	25.0	107.40	564	56.6	100.35	846	90.4	106.80	164	21.6	131.94	247	35.5	143.53
Total Middle East	**1,999**	**127.4**	**63.76**	**1,806**	**245.0**	**135.71**	**1,187**	**128.9**	**108.59**	**1,170**	**132.1**	**112.85**	**926**	**111.3**	**120.24**	**1,611**	**226.2**	**140.47**
Algeria	1,045	95.4	91.28	1,992	319.8	160.56	1,335	182.7	136.82	2,025	276.6	136.61	1,308	188.9	144.41	1,477	249.9	169.20
Angola	-	-	-	-	-	-	468	65.3	139.40	127	16.4	129.05	-	-	-	-	-	-
Latvia	342	27.7	80.96	27	2.9	105.49	80	9.7	121.08	49	6.6	134.58	16	2.5	151.26	-	-	-
Libya	-	-	-	155	27.8	179.19	-	-	-	-	-	-	129	16.4	127.15	155	23.5	151.63
Lithuania	26	2.5	93.36	-	-	-	-	-	-	86	10.2	119.46	100	11.5	114.72	-	-	-
Mexico	875	57.7	66.02	782	95.2	121.63	821	85.4	104.05	820	84.7	103.39	749	79.9	106.76	323	32.0	99.08
Netherlands	1,159	102.3	88.21	-	-	-	11	1.1	98.3	36	4.5	124.76	33	4.2	127.92	-	-	-
Nigeria	460	34.7	75.50	252	40.9	162.54	130	20.6	158.15	293	37.3	127.28	129	16.5	127.94	249	53.1	213.25
Norway	22,218	1,791.0	80.61	27,523	3,809.3	138.40	27,657	3,587.4	129.71	29,057	3,561.5	122.57	33,560	4,571.7	136.23	39,938	6,222.1	155.79
Russia	584	44.1	75.45	1,487	186.3	125.28	2,920	360.6	123.48	3,568	423.7	118.74	3,924	501.8	127.86	7,489	1,106.5	147.74
Venezuela	1,071	50.2	46.86	671	58.0	86.48	307	23.8	77.53	383	36.2	94.57	399	33.9	84.83	1,254	106.2	84.70
Other countries	3,372	186.2	55.21	2,204	314	142.6	2,780	361.2	129.93	3,301	403.3	122.18	3,106	402.0	129.43	3,599	474.0	131.70
Total Non Middle East	**31,152**	**2,391.8**	**76.78**	**35,092**	**4,854**	**138.3**	**36,509**	**4,697.6**	**128.67**	**39,743**	**4,860.9**	**122.31**	**43,454**	**5,829.3**	**134.15**	**54,484**	**8,267.3**	**151.74**
Total imports	**33,151**	**2,519.2**	**75.99**	**36,898**	**5,099**	**138.2**	**37,696**	**4,826.5**	**128.04**	**40,913**	**4,993.0**	**122.04**	**44,379**	**5,940.6**	**133.86**	**56,095**	**8,493.5**	**151.41**
Exports (f.o.b.) *(1)*																		
European Union																		
Belgium and Luxembourg	1,189	97.2	81.78	966	116.3	120.40	383	51.1	133.41	434	53.0	122.27	478	69.1	144.66	126	17.8	140.97
Denmark	-	-	-	-	-	-	70	9.9	140.00	64	8.0	124.00	57	7.2	128.00	-	-	-
Finland	701	52.7	75.19	816	105.0	128.76	1,058	139.2	131.58	343	44.7	130.60	328	41.8	127.49	240	41.9	174.68
France	11,326	881.9	77.87	10,330	1,376.4	133.24	12,637	1,640.6	129.82	11,018	1,353.0	122.80	11,139	1,501.8	134.83	9,454	1,461.2	154.56
Germany	11,661	977.4	83.82	11,531	1,560.9	135.37	14,550	1,892.8	130.09	9,468	1,172.4	123.82	9,354	1,250.2	133.65	11,472	1,807.7	157.57
Greece	74	6.2	83.63	-	-	-	-	-	-	134	15.6	116.15	-	-	-	-	-	-
Irish Republic	70	3.6	51.00	-	-	-	163	21.1	129.64	943	116.9	123.98	785	102.7	130.86	641	98.6	153.77
Italy	1,234	92.1	74.62	471	53.1	112.83	683	83.7	122.45	962	118.0	122.65	-	-	-	281	52.6	187.00
Netherlands	11,354	933.0	82.18	13,771	1,908.4	138.58	22,314	2,858.9	128.12	22,046	2,664.7	120.87	17,583	2,367.9	134.67	13,939	2,172.9	155.89
Portugal	1,403	106.5	75.90	694	87.2	125.61	757	98.2	129.74	998	122.3	122.55	1,071	136.7	127.63	574	86.1	150.09
Spain	3,655	286.4	78.35	2,090	277.9	132.94	2,037	262.6	128.95	911	104.3	114.54	837	115.9	138.47	177	24.9	140.87
Sweden	635	51.6	81.25	315	40.4	128.09	1,526	190.5	124.85	2,457	300.6	122.33	1,812	246.1	135.83	2,159	338.7	156.85
Poland*(2)*	-	-	-															
Total EU	**43,302**	**3,488.5**	**80.56**	**40,984**	**5,525.6**	**134.82**	**56,177**	**7,248.4**	**129.03**	**49,777**	**6,073.5**	**122.01**	**43,443**	**5,839.7**	**134.42**	**39,064**	**6,102.5**	**156.22**
Canada	623	42.1	67.58	1,577	199.3	126.44	3,816	452.3	118.55	4,950	594.9	120.17	3,136	397.9	126.87	2,405	340.5	141.57
Norway	99	5.6	56.39	85	7.9	92.58	385	53.0	137.64	77	9.7	127.12	287	37.8	131.69	648	94.4	145.76
U.S.A.	20,259	1,688.6	83.35	26,365	3,591.8	136.23	21,587	2,740.8	126.96	23,514	2,977.3	126.61	21,049	2,775.1	131.84	18,508	2,815.3	152.11
South Korea																		
Other Non EU	3,832	311.7	81.36	2,604	383.1	147.15	303	39.6	130.61	1,632	178.3	109.28	1,114	132.7	119.07	760	101.4	133.46
Total exports	**68,114**	**5,536.6**	**81.28**	**71,615**	**9,707.8**	**135.56**	**82,269**	**10,534.1**	**128.05**	**79,951**	**9,833.7**	**123.00**	**69,031**	**9,183.2**	**133.03**	**61,386**	**9,454.1**	**154.01**

G.4 Imports and exports of crude oil by country (continued)

	2005			2006			2007			2008			2009			2010		
	Quantity (Thousand tonnes)	Value (£million)	Value per tonne (£)	Quantity (Thousand tonnes)	Value (£million)	Value per tonne (£)	Quantity (Thousand tonnes)	Value (£million)	Value per tonne (£)	Quantity (Thousand tonnes)	Value (£million)	Value per tonne (£)	Quantity (Thousand tonnes)	Value (£million)	Value per tonne (£)	Quantity (Thousand tonnes)	Value (£million)	Value per tonne (£)
Imports (c.i.f.)																		
Middle East																		
Abu Dhabi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dubai	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	40	12.3	306.58	562	164.7	293.10	432	147.9	342.11
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	1,358	293.0	215.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other countries	489	110.0	224.97	979	242.4	247.60	164	30.2	184.00	255	97.7	382.74	241	59.3	246.41	-	-	-
Total Middle East	**1,847**	**403.0**	**218.26**	**979**	**242.4**	**247.60**	**164**	**30.2**	**184.00**	**295**	**110.0**	**372.39**	**803**	**224.0**	**279.10**	**432**	**147.9**	**342.11**
Algeria	1,157	294.4	254.51	2,178	617.5	283.48	2,523	734.2	290.96	1,586	718.9	453.16	1,194	306.6	256.86	1,230	509.9	414.71
Angola	-	0.0	-	-	0.0	-	498	140.1	281.55	1,375	568.1	413.16	953	265.3	278.36	111	37.0	331.95
Latvia	-	0.0	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Libya	548	120.9	220.52	1,126	302.2	268.45	927	235.0	253.50	2,047	882.6	431.19	1,872	532.6	284.44	2,727	1,070.9	392.70
Lithuania	-	0.0	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Mexico	168	20.3	121.22	165	30.3	183.58	442	100.6	227.38	356	119.8	336.77	-	-	-	-	-	-
Netherlands	17	4.3	253.00	22	5.7	261.84	49	15.0	307.93	91	32.5	358.86	38	11.5	306.61	75	30.2	404.30
Nigeria	388	95.4	245.93	539	141.3	262.39	885	250.4	283.05	1,991	790.7	397.09	1,842	545.1	295.91	1,738	676.9	389.55
Norway	40,072	8,754.3	218.47	39,699	10,484.7	264.11	37,474	9,968.0	266.00	35,114	13,758.7	391.83	35,007	10,141.2	289.69	36,398	14,074.5	386.68
Russia	6,986	1,443.3	206.61	7,275	1937.4	266.30	5,400	1,419.9	262.95	5,609	2,184.4	389.47	4,068	1,155.8	284.10	3,302	1,277.7	386.93
Venezuela	1,449	151.2	104.38	1,915	339.4	177.24	1,366	237.6	174.01	835	213.1	255.20	965	217.7	225.56	650	186.0	286.20
Other countries	1,419	228.2	160.81	1,883	488.5	259.35	2,667	729.8	273.68	2,859	1178.0	411.98	3,933	1128.0	286.80	3,794	1,483.3	390.93
Total Non Middle East	**52,203**	**11,112.5**	**212.87**	**54,801**	**14,346.9**	**261.80**	**52,230**	**13,830.6**	**264.80**	**51,863**	**20,446.7**	**394.24**	**49,872**	**14,303.8**	**286.81**	**50,024**	**19,346.3**	**386.74**
Total imports	**54,050**	**11,515.5**	**213.05**	**55,780**	**14,589.3**	**261.55**	**52,394**	**13,860.8**	**264.55**	**52,159**	**20,556.8**	**394.12**	**50,675**	**14,527.8**	**286.69**	**50,457**	**19,494.2**	**386.35**
Exports (f.o.b.)*(1)*																		
European Union																		
Belgium and Luxembourg	135	31.8	235.65	152	45.3	298.79	155	45.5	293.41	332	124.0	373.62	46	13.2	287.76	354	139.2	392.66
Denmark	-	-	-	93	23.6	254.00	-	-	-	254	102.9	405.22	505	148.4	293.90	678	255.7	377.21
Finland	560	139.3	248.75	892	232.8	261.11	1,568	401.7	256.25	253	101.3	400.09	-	-	-	-	-	-
France	5,409	1,148.2	212.29	7,336	1,966.5	268.06	5,461	1,416.3	259.33	3,171	1,201.3	378.86	2,757	799.1	289.87	3,613	1385.8	383.55
Germany	13,150	2,869.8	218.23	11,095	3,002.2	270.60	9,226	2,530.7	274.29	11,662	4,470.9	383.38	7,786	2,219.2	285.04	9,190	3513.7	382.32
Greece	-	-		-	-		-	-	-	-	-	-	-	-	-	-	-	-
Irish Republic	798	169.4	212.24	102	25.6	252.11	208	54.2	261.32	170	37.2	219.01	236	60.9	257.93	477	179.6	376.61
Italy	1,577	341.5	216.59	1,251	337.5	269.83	650	175.0	269.13	537	196.3	365.42	-	-	-	263	104.7	398.56
Netherlands	12,302	2,668.0	216.87	11,644	3,154.2	270.89	13,093	3,536.0	270.06	12,218	4,827.4	395.12	17,192	4,971.4	289.17	15,737	5967.0	379.17
Portugal	344	73.0	212.34	618	181.1	293.05	85	24.4	288.00	-	-	-	163	45.1	276.72	80	30.5	380.00
Spain	402	92.0	228.54	84	22.0	263.00	596	163.5	274.25	1,018	383.6	376.59	1,101	307.9	279.55	332	122.9	369.66
Sweden	1,131	235.0	207.88	1,113	300.3	269.77	769	207.7	270.29	713	281.7	395.11	574	157.8	275.08	1,484	558.6	376.40
Poland*(2)*	87	17.1	195.89	339	82.5	243.43	420	107.9	256.99	243	88.6	365.33	323	91.8	284.55	610	248.4	407.10
Total EU	**35,896**	**7785.3**	**216.89**	**34,718**	**9,373.9**	**270.00**	**32,231**	**8,662.9**	**268.78**	**30,570**	**11,815.3**	**386.49**	**30,682**	**8,814.9**	**287.30**	**32,820**	**12506.2**	**381.06**
Canada	1,711	318.4	186.15	2,404	651.0	270.76	1,239	300.3	242.38	584	250.7	429.49	570	172.5	302.57	611	221.0	362.00
Norway	948	208.1	219.40	301	78.2	259.80	1,222	359.5	294.27	407	119.6	293.83	355	102.4	288.36	344	130.7	380.03
U.S.A.	13,554	2854.9	210.62	10,980	2,914.6	265.43	11,471	3,101.4	270.37	10,452	3,930.9	376.08	10,294	2,934.4	285.06	7,475	2811.4	376.09
South Korea	-	-	-	-	-	-	-	-	-	609	322.5	529.88	522	128.3	245.59	-	-	-
Other Non EU	525	90.9	173.10	916	245.0	267.37	617	173.9	282.05	570	208.7	366.13	926	290.4	313.59	835	336.4	402.94
Total exports	**52,634**	**11257.5**	**213.88**	**49,320**	**13,262.7**	**268.91**	**46,779**	**12,598.0**	**269.31**	**43,192**	**16,647.7**	**385.43**	**43,350**	**12,442.9**	**287.04**	**42,084**	**16005.7**	**380.33**

G.4 Imports and exports of crude oil by country (continued)

	2011			2012			2013			2014		
	Quantity (Thousand tonnes)	Value (£million)	Value per tonne (£)	Quantity (Thousand tonnes)	Value (£million)	Value per tonne (£)	Quantity (Thousand tonnes)	Value (£million)	Value per tonne (£)	Quantity (Thousand tonnes)	Value (£million)	Value per tonne (£)
Imports (c.i.f.)												
Middle East												
Abu Dhabi												
Dubai												
Iran	692	330.2	476.93	165	83.2	505.38						
Kuwait							1	1		43	21	499.66
Oman												
Saudi Arabia	144	79.4	550.04	539	276.3	512.97	1,882	969.5	515.02	1,568	725.2	462.50
Other countries	436	218.2	501.00	79	44.2	561.20	279	149.9	537.07	554	264.8	478.07
Total Middle East	**1,272**	**627.7**	**493.46**	**782**	**403.7**	**516.23**	**2,163**	**1120.0**	**517.88**	**2,165**	**1011.3**	**467.21**
Algeria	2,514	1,364.5	542.65	3,299	1,887.4	572.11	6,032	3,256.0	539.83	6,735	3,162.8	469.60
Angola	465	236.2	507.48	1,522	780.2	512.59	1,236	621.9	503.04	881	386.4	438.60
Latvia												
Libya	741	366.5	494.43	2,968	1,622.8	546.77	2,212	1,195.2	540.29	675	318.0	471.12
Lithuania												
Mexico												
Netherlands	73	36.4	501.88	50	26.2	521.37	81	43.1	533.12	45	21.6	481.90
Nigeria	3,494	1,865.9	533.96	6,808	3,668.2	538.83	5,556	2,967.1	534.08	5,293	2,428.2	458.73
Norway	35,790	18,808.5	525.52	27,814	15,028.9	540.33	20,290	10,582.6	521.56	21,344	9,918.5	464.70
Russia	4,399	2,316.1	526.51	6,329	3,321.2	524.73	3,585	1,851.8	516.58	2,961	1,357.6	458.45
Venezuela	672	242.8	361.14	707	270.3	382.45	544	211.2	388.09	499	162.5	325.90
Other countries	4,235	2,222.4	524.74	5,078	2,723.0	536.28	7,212	3,732.0	517.48	5,933	2,787.2	469.79
Total Non Middle East	**52,385**	**27,459.3**	**524.18**	**54,575**	**29,328.4**	**537.39**	**46,747**	**24,460.9**	**523.26**	**44,366**	**20,542.8**	**463.03**
Total imports	**53,657**	**28,087.1**	**523.45**	**55,357**	**29,732.1**	**537.10**	**48,910**	**25,580.9**	**523.02**	**46,530**	**21,554.1**	**463.23**
Exports (f.o.b.)*(1)*												
European Union												
Belgium and Luxembourg	581	298.9	513.99	122	67.6	555.15	242	132.7	549.18	145	59.3	408.19
Denmark	430	217.4	505.90	248	130.4	525.05	676	354.9	525.39	734	368.7	502.55
Finland	0	0	1028.95	0	0	1213.36	236	121	513.78	237	113	475.99
France	3,910	1,977.8	505.82	2,920	1,592.4	545.39	4,409	2,341.4	531.05	3,784	1,643.1	434.24
Germany	7,340	3,686.6	502.24	9,007	4,832.4	536.50	6,737	3,593.1	533.36	9,186	4,372.6	475.99
Greece										77	33	434.06
Irish Republic	753	420.0	557.44	2	1.0	419.08	237	127.4	536.75	272	139.2	512.45
Italy	1,111	559.8	503.75	15	7.3	497.37	500	257.7	515.04	904	423.5	468.23
Netherlands	11,563	5,664.7	489.89	13,331	7,131.6	534.98	12,497	6,608.4	528.79	13,424	6,409.5	477.46
Portugal	52	29.2	564.75	0	0.0	2358.33				82	36.7	445.72
Spain	156	85.0	543.93	83	42.6	510.53	892	459.3	515.21	1,590	705.2	443.43
Sweden	1,135	577.5	509.03	1,570	838.7	534.31	833	458.5	550.14	1,559	724.5	464.57
Poland*(2)*	1,263	581.5	460.33				249	131	527.23	237	119	502.42
Total EU	**28,295**	**14098.5**	**498.27**	**27,299**	**14644.4**	**536.45**	**27,507**	**14585.8**	**530.25**	**32,233**	**15147.7**	**469.95**
Canada	376	196.4	521.92	317	160.8	506.56	0	0.2	2513.76	0	0.2	2513.76
Norway	158	75.4	477.52	236	120.8	512.75	323	175.0	541.57	276	135.7	491.71
U.S.A.	4,437	2138.9	482.04	1,688	841.2	498.40	2,707	1409.5	520.70	1,034	466.7	451.22
South Korea	272	152.9	563.29	4,128	2154.3	521.82	3,568	1867.0	523.20	2,027	944.4	465.85
Other Non EU	818	460.9	563.21	282	146.2	518.58	1,602	830.7	518.42	2,132	1055.8	495.32
Total exports	**34,356**	**17122.9**	**498.40**	**33,950**	**18067.7**	**532.19**	**35,708**	**18868.1**	**528.40**	**37,702**	**17750.5**	**470.81**

Source: HM Revenue and Customs

(1) Includes re-exports.
(2) Poland Joined the EU in May 2004, before this time any data for Poland is included in the Non EU category

G.5 Physical imports and exports of gas (1)

GWh

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Imports																			
Interconnector via Belgium (2)	-	-	692	471	2,955	4,015	6,645	4,387	25,592	24,108	30,505	6,471	12,174	7,945	13,568	4,032	14,264	35,367	3,949
Netherlands (3)	-	-	-	-	-	-	-	-	-	-	9,135	76,602	90,563	69,529	87,120	69,001	78,258	81,519	70,293
Norway (by pipe) (4)	19,804	14,061	9,374	7,020	11,279	12,734	37,886	71,753	95,359	127,895	157,035	225,764	283,722	260,438	276,807	234,194	294,586	305,516	267,041
Liquefied Natural Gas (LNG) (5)	-	-	-	-	-	-	-	-	-	5,453	37,576	14,903	9,046	112,238	206,846	274,794	150,098	102,620	123,912
of which from:																			
Algeria		-	-	-	-	-	-	-	-	*4,575*	*20,718*	*6,605*	*3,160*	*19,683*	*11,697*	*2,686*	*1,312*	*4,492*	*5,774*
Australia		-	-	-	-	-	-	-	-	-	-	-	-	*824*	*0*	*0*	*0*	*0*	*0*
Egypt		-	-	-	-	-	-	-	-	-	*12,465*	*1,751*	*0*	*5,891*	*1,282*	*890*	*145*	*755*	*0*
Nigeria		-	-	-	-	-	-	-	-	-	-	-	-	-	*3,729*	*13,026*	*475*	*0*	*534*
Norway		-					-	-	-	-	-	-	-	*1,890*	*9,038*	*10,114*	*1,735*	*1,068*	*0*
Qatar		-	-	-	-	-	-	-	-	-	*779*	*2,693*	*0*	*62,076*	*162,384*	*234,077*	*146,431*	*95,204*	*113,600*
Trindad & Tobago		-	-	-	-	-	-	-	-	*878*	*3,614*	*3,854*	*5,886*	*21,873*	*16,896*	*5,903*	*0*	*1,101*	*4,004*
USA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	*1,576*	*0*	*0*	*0*
Yemen		-	-	-	-	-	-	-	-	-	-	-	-	-	*1,821*	*6,521*	*0*	*0*	*0*
Total Imports	19,804	14,061	10,066	7,491	14,234	16,749	44,531	76,140	120,951	157,456	234,251	323,740	395,505	450,150	584,341	582,021	537,205	525,022	465,195
Exports																			
Interconnector via Belgium (2)	-	-	1,761	45,459	94,574	80,846	91,189	122,648	60,060	36,641	60,195	51,390	45,949	62,084	95,932	101,526	50,343	27,458	48,074
Netherlands (6)	8,936	10,481	10,550	8,816	7,723	5,640	4,837	3,424	2,887	4,261	3,371	6,358	10,389	13,094	15,830	17,544	23,729	18,597	19,065
Norway (7)	-	-	-	-	-	-	-	-	-	-	-	153	389	266	158	125	49	20	9
Republic of Ireland*(8)*	6,266	11,184	18,776	24,723	32,248	38,129	38,743	40,806	39,084	39,407	47,247	50,972	54,260	54,357	56,266	58,041	57,590	53,508	49,004
Total Exports	15,202	21,665	31,087	78,998	134,545	124,615	134,769	166,878	102,031	80,309	110,813	108,873	110,987	129,801	168,186	177,236	131,711	99,582	116,152
Net Imports *(9)*	**-4,602**	**-7,604**	**-21,021**	**-71,507**	**-120,311**	**-107,866**	**-90,238**	**-90,738**	**+18,920**	**+77,147**	**+123,438**	**+214,867**	**+284,518**	**+320,349**	**+416,155**	**+404,785**	**+405,494**	**+425,440**	**+349,042**

Source: DECC

(1) See paragraph G23.

(2) Physical flows of gas through the Bacton-Zeebrugge Interconnector as opposed to the nominated flows used by National Grid.

(3) Physical flows via the Bacton-Balgzand (BBL) pipeline. Commissioned in November 2006.

(4) Currently via the Langeled and Vesterled pipelines, the Tampen Link (from Statfjord to the FLAGS pipeline and then to St Fegus) and Gjoa/Vega (to St Fergus via the FLAGS pipeline). Prior to 2005 includes the Norwegian share of the Frigg field.

(5) From various sources to the Isle of Grain, Milford Haven (South Hook and Dragon) and Teesside Gasport.

(6) Direct exports from the Grove, Chiswick, Markham, Minke, Stamford, Windermere and Wingate offshore gas fields using the Dutch offshore gas pipeline infrastructure.

(7) With effect from September 2007, UK gas from the Blane field to the Norwegian Ula field for injection into the Ula reservoir.

(8) Includes gas to the Isle of Man for which separate figures are not available.

(9) A negative figure means the UK was a net exporter of gas.

G.6: Imports and exports of wood pellets and other wood 2008-2014

Thousand tonnes

2008	Imports[1]		
	Wood pellets[2]	Other wood[3]	Total
European Union			
Belgium	21	2	23
Denmark	2	17	19
Finland	18	3	21
France	2	24	26
Germany	3	51	54
Irish Republic	5	47	52
Latvia	34	39	73
Lithuania	3	-	3
Netherlands	26	88	114
Poland	4	19	23
Portugal	40	27	68
Spain	20	6	26
Sweden	3	17	20
Other countries	0	3	3
Total European Union	181	342	523
Canada	39	1	41
China	0	-	0
Egypt	0	0	0
Ghana	0	0	1
Malaysia	2	0	2
Russia	83	0	83
South Africa	0	1	2
United States	17	1	18
Other countries	0	2	2
Total all countries	**323**	**349**	**671**
Total UK exports	23	226	249

Thousand tonnes

2009	Imports[1]		
	Wood pellets[2]	Other wood[3]	Total
European Union			
Belgium	0	6	6
Denmark	1	0	1
Estonia	18	0	19
Finland	7	-	7
France	1	11	11
Germany	1	3	4
Irish Republic	0	42	42
Latvia	4	7	11
Netherlands	0	8	8
Poland	0	0	0
Portugal	6	-	6
Sweden	2	3	6
Spain	0	10	10
Other countries	0	1	1
Total European Union	42	90	132
Canada	2	133	136
China	0	0	0
Egypt	0	0	1
United States	0	1	1
Vietnam	0	0	0
Other countries	-	2	2
Total all countries	**45**	**226**	**271**
Total UK exports	12	136	147

G.6: UK imports and exports of wood pellets and other wood 2008-2014 (continued)

Thousand tonnes

2010	Imports[1]		
	Wood pellets[2]	Other wood[3]	Total
European Union			
Belgium	-	2	2
France	-	2	2
Germany	5	16	20
Irish Republic	0	79	79
Netherlands	0	8	8
Portugal	35	-	35
Spain	-	1	1
Other countries	0	2	2
Total European Union	40	109	149
Canada	303	39	342
Egypt	0	0	0
Norway	0	0	0
Russia	4	-	4
South Africa	16	0	16
United States	188	1	190
Other countries	-	1	1
Total all countries	**551**	**151**	**702**
Total UK exports	60	303	363

Thousand tonnes

2011	Imports[1]		
	Wood pellets[2]	Other wood[3]	Total
European Union			
Belgium	2	2	4
Bulgaria	-	0	0
Estonia	10	0	10
France	-	0	0
Germany	4	3	7
Irish Republic	0	78	78
Italy	3	0	3
Latvia	-	5	5
Netherlands	0	9	9
Poland	5	0	6
Portugal	90	-	90
Spain	-	0	0
Other countries	0	0	0
Total European Union	115	97	212
Belarus	0	0	0
Canada	592	0	592
China	0	1	1
Egypt	0	-	0
Ghana	-	0	0
India	0	-	0
Namibia	-	0	0
New Zealand	16	-	16
Norway	0	0	0
Russia	1	0	1
South Africa	17	0	17
Ukraine	-	0	0
United States	274	2	276
Other countries	-	2	2
Total all countries	**1,015**	**104**	**1,119**
Total UK exports	41	624	665

G.6: UK imports and exports of wood pellets and other wood 2008-2014 (continued)

Thousand tonnes

2012	Imports[1]		
	Wood pellets[2]	Other wood[3]	Total
European Union			
Belgium	0	4	4
Estonia	-	1	1
Germany	5	3	8
Irish Republic	-	69	69
Latvia	102	2	104
Netherlands	0	27	27
Poland	-	1	1
Portugal	16	-	16
Sweden	-	0	0
Other countries	0	0	0
Total European Union	123	107	230
Canada	855	0	855
China	0	0	0
Ghana	-	0	0
Hong Kong	-	0	0
Indonesia	-	1	1
Malaysia	0	0	0
Russia	0	0	0
South Africa	34	0	34
Thailand	-	0	0
Ukraine	-	1	1
United States	475	1	476
Vietnam	0	0	0
Other countries	-	0	0
Total all countries	**1,487**	**110**	**1,597**
Total UK exports	53	903	956

Thousand tonnes

2013	Imports[1]		
	Wood pellets[2]	Other wood[3]	Total
European Union			
Belgium	0	4	4
Estonia	2	0	2
France	-	0	0
Germany	56	3	59
Irish Republic	0	65	65
Latvia	165	6	171
Lithuania	-	0	0
Netherlands	5	28	33
Poland	0	3	3
Portugal	142	0	142
Spain	20	0	20
Sweden	-	0	0
Other countries	0	0	0
Total European Union	391	108	499
Bosnia & Herz.	-	0	0
Canada	1,355	0	1,356
China	0	0	0
Egypt	-	0	0
Ghana	-	0	0
Indonesia	-	1	1
Malaysia	-	1	1
Norway	0	-	0
Russia	1	0	1
South Africa	0	0	0
Thailand	-	0	0
Ukraine	-	1	1
United States	1,685	1	1,686
Other countries	0	0	0
Total all countries	**3,432**	**113**	**3,545**
Total UK exports	105	561	667

G.6: UK imports and exports of wood pellets and other wood 2008-2014 (continued)

Thousand tonnes

2014	Imports[1]		
	Wood pellets[2]	Other wood[3]	Total
European Union			
Belgium	-	2	2
Estonia	46	0	46
France	-	3	3
Germany	21	2	23
Irish Republic	1	58	59
Latvia	408	10	418
Lithuania	42	2	44
Netherlands	6	10	15
Poland	4	4	8
Portugal	440	3	443
Spain	-	0	0
Other countries	0	0	0
Total European Union	968	95	1,064
Belarus	-	0	0
Bosnia & Herz.	-	0	0
Canada	1,025	0	1,025
China	-	0	0
Egypt	-	1	1
Indonesia	-	1	1
Malaysia	-	1	1
Paraguay	-	0	0
Russia	4	16	20
South Africa	-	0	0
Thailand	-	0	0
Ukraine	-	1	1
United States	2,760	1	2,761
Other countries	-	0	0
Total all countries	**4,757**	**117**	**4,874**
Total UK exports	98	619	717

Source : H.M. Revenue and Customs

Notes:

1. Country of origin basis.
2. Classification based on an aggregation of imports/exports of products with the follwing commodity codes: 44013090, 44013020 & 44013100 (pellets).
3. Classification based on an aggregation of imports/exports of products with the follwing commodity codes: 44012100, 44012200, 44013010, 44013040, 44013080, 440139XX (chips, sawdust & waste), and 44011000 (fuel wood).

G.7 Value of imports and exports of fuels [1][2]

£ million

		1970	1971	1972	1973	1974
Imports (c.i.f.)	Coal and other solid fuels	2	46	57	27	66
	Crude oil	687	930	914	1,296	3,726
	Petroleum products [3]	242	259	257	389	823
	Natural gas	11	10	9	9	8
	Electricity	2	-	2	-	-
Total imports		944	1,245	1,239	1,721	4,623
Exports (f.o.b.)	Coal and other solid fuels	29	22	17	27	65
	Crude oil	8	10	21	23	29
	Petroleum products [4]	170	204	201	320	681
Total exports		207	236	239	370	775
Imports (f.o.b.)	Oil [5]	816	1,068	1,053	1,498	4,340
	Other fuels [6]	17	48	63	34	77
Total imports		833	1,116	1,116	1,532	4,417
Net exports[8]	Oil [5]	-503	-696	-660	-948	-3,372
(B.O.P basis)	Other fuels	+14	-24	-44	-4	-6
Total net exports		**-489**	**-720**	**-704**	**-952**	**-3,378**

		1975	1976	1977	1978	1979
Imports (c.i.f.)	Coal and other solid fuels	110	86	84	82	148
	Crude oil	3,371	4,445	3,971	3,506	3,678
	Petroleum products [3]	810	1,089	1,128	1,023	1,591
	Natural gas	14	21	44	188	356
	Electricity	1	-	-	-	-
Total imports		4,306	5,641	5,227	4,799	5,773
Exports (f.o.b.)	Coal and other solid fuels	84	72	80	90	100
	Crude oil	30	178	918	1,236	2,710
	Petroleum products [4]	705	1,004	1,086	1,038	1,500
Total exports		819	1,254	2,084	2,364	4,310
Imports (f.o.b.)	Oil [5]	4,043	5,407	5,051	4,504	5,242
	Other fuels [6]	122	121	154	291	517
Total imports		4,165	5,528	5,205	4,795	5,759
Net exports[8]	Oil [5]	-3,051	-3,922	-2,723	-1,930	-721
(B.O.P basis)	Other fuels	-29	-28	-41	-151	-351
Total net exports		**-3,080**	**-3,950**	**-2,764**	**-2,081**	**-1,072**

		1980	1981	1982	1983	1984
Imports (c.i.f.)	Coal and other solid fuels	228	171	218	264	651
	Crude oil	4,292	4,112	3,951	3,308	3,993
	Petroleum products [3]	1,856	2,173	2,413	2,506	4,360
	Natural gas	521	699	815	977	1,307
	Electricity	-	-	-	-	-
Total imports		6,897	7,155	7,397	7,055	10,311
Exports (f.o.b.)	Coal and other solid fuels	180	372	330	239	88
	Crude oil	4,220	7,096	8,542	10,111	12,173
	Petroleum products [4]	2,017	2,148	2,365	2,776	3,047
Total exports		6,417	9,616	11,237	13,126	15,308
Imports (f.o.b.)	Oil [5]	6,182	6,366	6,390	5,879	8,274
	Other fuels [6]	742	883	1,081	1,274	2,029
Total imports		6,924	7,249	7,471	7,153	10,303
Net exports[8]	Oil [5]	+280	+3,092	+4,607	+6,891	+6,860
(B.O.P basis)	Other fuels	-446	-375	-530	-672	-1,572
Total net exports		**-166**	**+2,717**	**+4,077**	**+6,219**	**+5,288**

G.7 Value of imports and exports of fuels [1][2] (continued)

£ million

		1985	1986	1987	1988	1989
Imports (c.i.f.)	Coal and other solid fuels	716	456	390	472	513
	Crude oil	4,341	2,440	2,703	2,044	3,079
	Petroleum products [3]	4,071	2,079	1,880	1,546	1,889
	Natural gas	1,511	1,320	878	692	615
	Electricity	-	80	242	268	305
Total imports		10,639	6,375	6,093	5,022	6,401
Exports (f.o.b.)	Coal and other solid fuels	178	190	109	96	109
	Crude oil	13,006	6,281	6,765	4,515	4,024
	Petroleum products [4]	3,611	2,200	1,893	1,646	2,039
Total exports		16,795	8,671	8,767	6,257	6,172
Imports (f.o.b.)	Oil [5]	8,385	4,547	4,751	3,645	5,102
	Other fuels	2,257	1,877	1,561	1,470	1,482
Total imports		10,642	6,424	6,312	5,115	6,584
Net exports[8]	Oil [5]	+8,030	+4,012	+4,045	+2,685	+1,222
(B.O.P basis)	Other fuels	-1,595	-1,413	-1,258	-1,228	-1,226
Total net exports		**+6,435**	**+2,599**	**+2,787**	**+1,457**	**-4**

		1990	1991	1992	1993	1994
Imports (c.i.f.)	Coal and other solid fuels	630	734	744	731	598
	Crude oil	4,033	3,887	3,745	4,078	3,241
	Petroleum products [3]	2,427	2,063	1,711	1,766	1,689
	Natural gas	519	472	397	327	231
	Electricity	225	343	369	426	388
Total imports		7,834	7,499	6,966	7,328	6,148
Exports (f.o.b.)	Coal and other solid fuels	119	97	63	73	75
	Crude oil	5,172	4,370	4,413	5,147	6,095
	Petroleum products [4]	2,455	2,640	2,401	3,149	2,776
	Natural gas	-	-	2	28	45
	Electricity	25	-	-	-	-
Total		7,771	7,107	6,879	8,397	8,991
Net exports (OTS basis)						
	Coal and other solid fuels	-511	-637	-681	-658	-523
	Crude oil	1,139	483	668	1,069	2,854
	Petroleum products [3]	28	577	690	1,383	1,087
	Natural gas	-519	-472	-395	-299	-186
	Electricity	-200	-343	-369	-426	-388
Total net exports (OTS)		-63	-392	-87	1,069	2,843
Imports (f.o.b.)	Oil [5]	6,443	6,010	5,562	6,012	5,142
	Other fuels	1,471	1,613	1,561	1,461	1,200
Total imports		7,914	7,623	7,123	7,473	6,342
Net exports[8]	Oil [5]	+1,631	+1,274	+1,610	+2,612	+3,937
(B.O.P basis)	Other fuels	-1,147	-1,260	1,254	-1,010	-787
Total net exports (BOP)		**+484**	**+14**	**+356**	**+1,602**	**+3,150**

		1995	1996	1997	1998	1999
Imports (c.i.f.)	Coal and other solid fuels	601	694	714	687	599
	Crude oil	3,236	4,035	3,647	2,170	2,273
	Petroleum products [3]	1,542	1,821	1,433	1,415	1,961
	Natural gas	105	117	103	43	27
	Electricity	408	391	406	374	396
Total imports		5,892	7,058	6,303	4,689	5,256
Exports (f.o.b.)	Coal and other solid fuels	70	82	82	69	61
	Crude oil	6,428	7,426	6,322	4,485	6,148
	Petroleum products [4]	2,621	3,268	3,239	2,328	2,849
	Natural gas	54	65	80	80	230
	Electricity	-	2	1	3	8
Total exports		9,174	10,843	9,724	6,965	9,297
Net exports (OTS basis)						
	Coal and other solid fuels	-531	-612	-632	-618	-537
	Crude oil	3,192	3,391	2,675	2,315	3,875
	Petroleum products [3]	1,079	1,447	1,806	913	888
	Natural gas	-51	-52	-23	37	203
	Electricity	-408	-389	-405	-371	-387
Total net exports (OTS)		3,282	3,785	3,421	2,276	4,041
Imports (f.o.b.)	Oil [5]	5,061	6,118	5,679	4,225	5,001
	Other fuels	1,100	1,166	1,145	941	782
Total imports		6,161	7,284	6,824	5,166	5,783
Net exports[8]	Oil [5]	4,323	4,810	4,560	2,676	4,012
(B.O.P basis)	Other fuels	-542	-516	-368	-458	20
Total net exports (BOP)		**3,781**	**4,294**	**4,192**	**2,218**	**4,032**

G.7 Value of imports and exports of fuels [1][2] (continued)

£ million

		2000	2001	2002	2003	2004
Imports (c.i.f.)	Coal and other solid fuels	696	1,198	875	994	1,482
	Crude oil	5,095	5,090	4,986	5,954	8,496
	Petroleum products [3]	3,430	3,693	3,244	3,876	5,194
	Natural gas	135	187	260	135	670
	Electricity	373	179	189	171	347
Total imports		9,729	10,347	9,554	11,131	16,189
Exports (f.o.b.)	Coal and other solid fuels	74	61	62	53	60
	Crude oil	10,177	10,486	9,802	9,240	9,338
	Petroleum products [4]	4,867	4,236	4,302	5,162	6,564
	Natural gas	577	746	848	946	645
	Electricity	5	3	101	181	151
Total exports		15,699	15,531	15,115	15,581	16,759
Net exports (OTS basis)						
	Coal and other solid fuels	-623	-1,136	-813	-941	-1,422
	Crude oil	5,082	5,396	4,816	3,286	842
	Petroleum products [3]	1,437	543	1,058	1,285	1,370
	Natural gas	441	559	588	811	-25
	Electricity	-368	-176	-89	10	-195
Total net exports (OTS)		5,971	5,185	5,561	4,450	570
Imports (f.o.b.)	Oil [5]	9,531	9,948	9,577	11,575	15,717
	Other fuels	998	1,344	1,083	1,049	2,332
Total imports		10,529	11,292	10,660	12,624	18,049
Net exports[8]	Oil [5]	5,935	4,658	4,584	2,916	375
(B.O.P basis)	Other fuels	456	261	640	938	-616
Total net exports (BOP)		**6,391**	**4,919**	**5,224**	**3,854**	**-241**

		2005	2006	2007	2008	2009
Imports (c.i.f.)	Coal and other solid fuels	1,963	2,203	2,080	3,661	2,676
	Crude oil	11,519	14,580	11,685	20,538	14,520
	Petroleum products [3]	7,852	9,788	12,568	13,256	9,468
	Natural gas	1,731	2,512	2,883	6,426	4,773
	Electricity	442	421	239	483	259
Total imports		23,507	29,504	29,454	44,364	31,696
Exports (f.o.b.)	Coal and other solid fuels	65	49	73	156	108
	Crude oil	10,733	12,760	12,630	16,586	12,499
	Petroleum products [4]	8,305	9,627	9,301	14,733	11,375
	Natural gas	737	1,315	996	1,945	1,218
	Electricity	102	105	108	110	161
Total exports		19,942	23,855	23,109	33,531	25,361
Net exports (OTS basis)						
	Coal and other solid fuels	-1,898	-2,155	-2,007	-3,505	-2,568
	Crude oil	-786	-1,820	945	-3,952	-2,021
	Petroleum products [3]	453	-161	-3,266	1,478	1,906
	Natural gas	-995	-1,197	-1,887	-4,481	-3,554
	Electricity	-340	-316	-130	-373	-99
Total net exports (OTS)		-3,566	-5,649	-6,345	-10,833	-6,336
Imports (f.o.b.)	Oil [5]	22,403	26,447	27,120	38,390	28,020
	Other fuels	4,012	4,919	5,174	10,600	7,446
Total imports		26,415	31,366	32,294	48,990	35,466
Net exports[8]	Oil [5]	-2,662	-3,853	-4,723	-6,533	-3,452
(B.O.P basis)	Other fuels	-2,289	-2,756	-3,202	-7,029	-5,044
Total net exports (BOP)		**-4,951**	**-6,609**	**-7,925**	**-13,562**	**-8,496**

G.7 Value of imports and exports of fuels [1][2] (continued)

£ million

		2010	2011	2012	2013	2014 [7]
Imports (c.i.f.)	Coal and other solid fuels	1,908	3,027	3,177	3,214	2,539
	Crude oil	19,490	28,080	30,186	25,536	21,553
	Petroleum products [3]	12,307	16,159	18,368	18,585	16,455
	Natural gas	7,158	10,390*	10,046*	11,337*	6,750*
	Electricity	326	467	671	937	1,022
Total imports		41,189	58,123	62,448	59,610	48,319
Exports (f.o.b.)	Coal and other solid fuels	228	185	331	171	118
	Crude oil	15,796	17,052	18,685	19,513	18,160
	Petroleum products [4]	14,958	20,153	19,695	18,903	14,080
	Natural gas	2,507	3,356*	2,717*	2,510*	2,106*
	Electricity	204	138	102	168	123
Total exports		33,692	40,884	41,531	41,266	34,587
Net exports (OTS basis)						
	Coal and other solid fuels	-1,680	-2,842	-2,846	-3,043	-2,421
	Crude oil	-3,694	-11,029	-11,501	-6,023	-3,393
	Petroleum products [3]	2,651	3,994	1,328	318	-2,375
	Natural gas	-4,652	-7,033	-7,328	-8,827	-4,643
	Electricity	-121	-329	-569	-769	-899
Total net exports (OTS)		-7,497	-17,239	-20,917	-18,344	-13,732
Imports (f.o.b.)	Oil [5]	36,010	49,461	53,896	49,300	43,075
	Other fuels	8,872	12,376	11,391	12,401	8,714
Total imports		44,882	61,837	65,287	61,701	51,789
Net exports[8]	Oil [5]	-4,722	-11,495	-14,380	-10,008	-9,643
(B.O.P basis)	Other fuels	-5,045	-7,629	-7,193	-8,815	-5,578
Total net exports (BOP)		**-9,767**	**-19,124**	**-21,573**	**-18,823**	**-15,221**

Source: Office for National Statistics

(1) See Energy Trends at https://www.gov.uk/government/organisations/department-of-energy-climate-change/about/statistics for the latest DECC quarterly estimates
(2) See notes in Foreign Trade section of this and earlier editions of the Digest
(3) Includes petroleum products not used as fuel, eg lubricants, and liquefied petroleum gases other than natural gas.
(4) Includes petroleum products not used as fuel, eg lubricants, and liquefied petroleum gases, and small quantities of natural gas.
(5) Crude oil and petroleum products.
(6) Data prior to 1985 include small quantities of non-fuel products (eg peat). These items are excluded from the c.i.f. import data and the export data.
(7) Provisional.
(8) Net exports are the difference between exports and imports on a Balance of Payments (B.O.P) basis – see Table G.1 for figures in the period 2001 to 2014.

**DECC estimates*

Annex H

Flow charts

Introduction

H.1 This section brings together the flow charts for individual fuels contained in the main Digest publication. Chart H.1 is for Coal, Chart H.2 is for Petroleum, Chart H.3 is for Natural Gas, Chart H.4 is for Electricity and Chart H.5 is for Renewables. Annual updates will appear in subsequent editions of the main Digest publication and in the Internet version of the Digest on the DECC section of the GOV.UK website.

H.2 Included within the annex for the first time this year is an additional flow chart for Manufactured Solid Fuels (H.6). Annual updates will appear in subsequent editions of the Internet version of the Digest on the DECC section of the GOV.UK website.

Summary flow chart

H.3 A summary flow chart, UK Energy Flow Chart 2014, is also available on the DECC section of the GOV.UK website at: www.gov.uk/government/collections/energy-flow-charts. The summary flow chart updates the last energy flow chart which showed data for 2013. It is based on statistics taken from the main Digest publication, Table 1.1 – Energy Balance 2014. The chart is a simplification of the energy balance figures, illustrating the flow of primary fuels from the point at which they become available from home production or imports (on the left) to their eventual final uses (on the right). They are shown in their original state and after being converted into different kinds of energy by the secondary fuel producers. The flows are measured in million tonnes of oil equivalent, with the widths of the bands approximately proportional to the size of the flow they represent. The flow charts for individual fuels have been produced on a similar basis.

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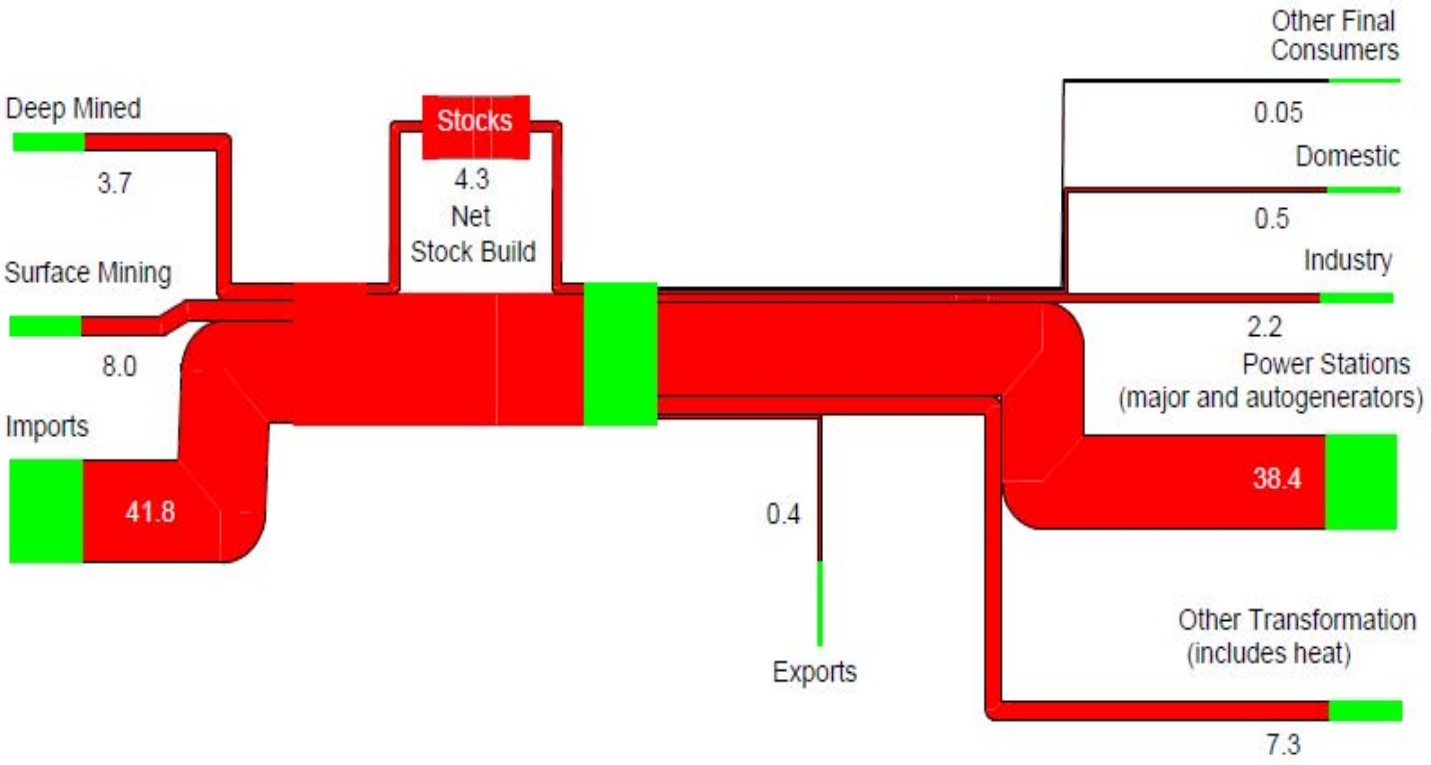
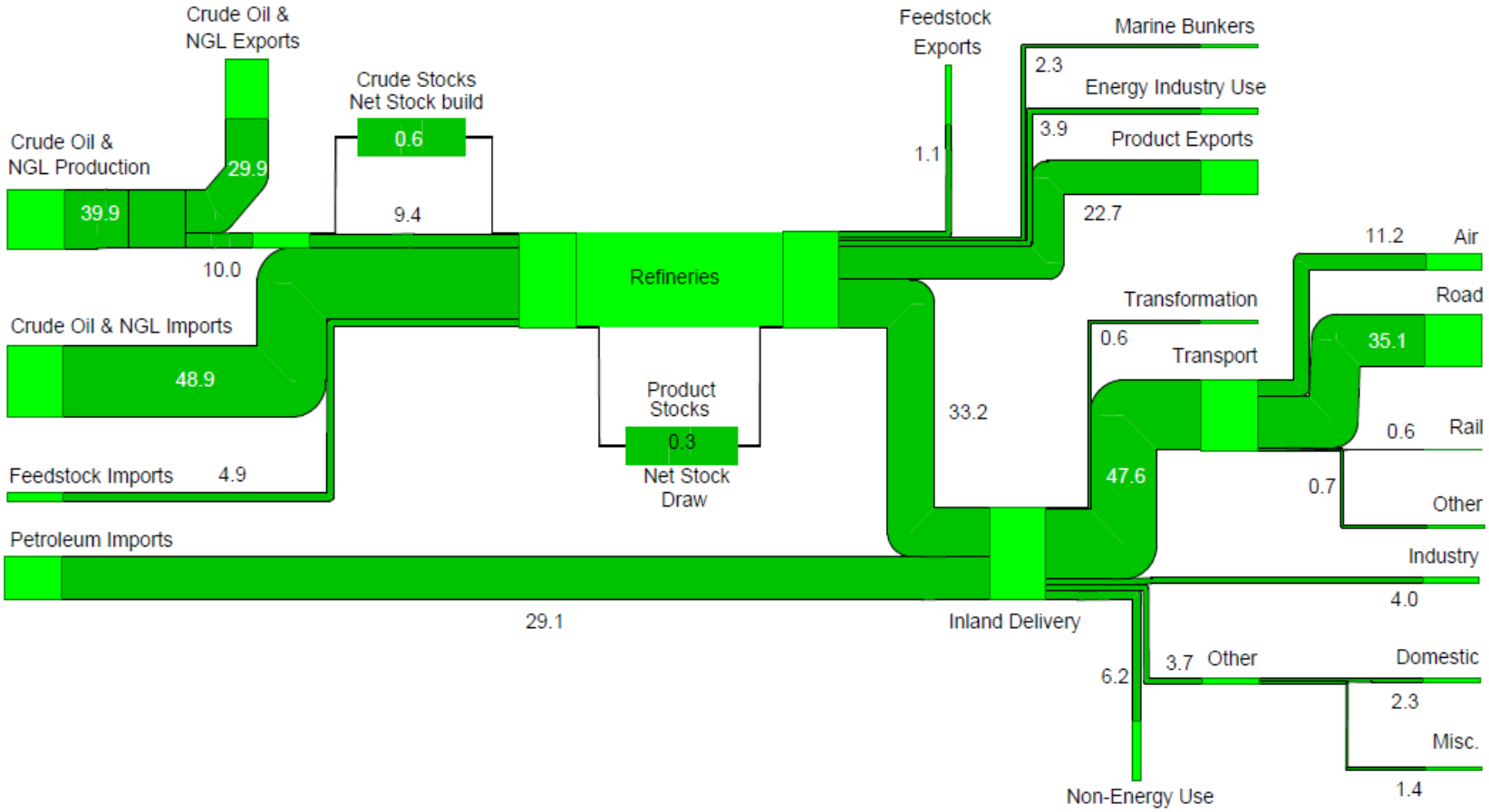
Chart H.1: Coal flow chart 2014 (million tonnes of coal)



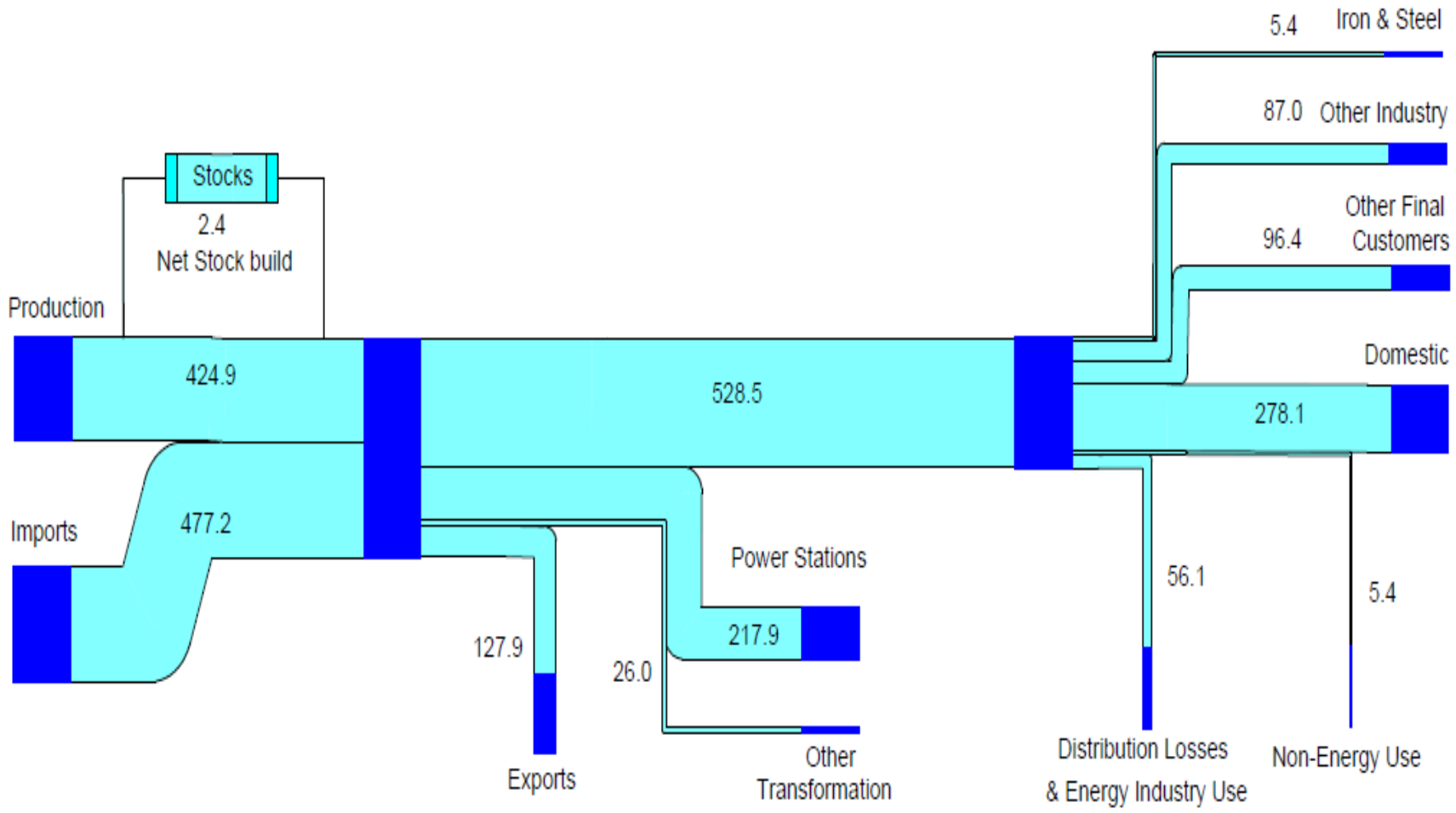
Notes:
This flow chart is based on the data that appear in Tables 2.1 and 2.4.
Surface mining includes slurry and recovered coal.

Chart H.2: Petroleum flow chart 2014 (million tonnes)



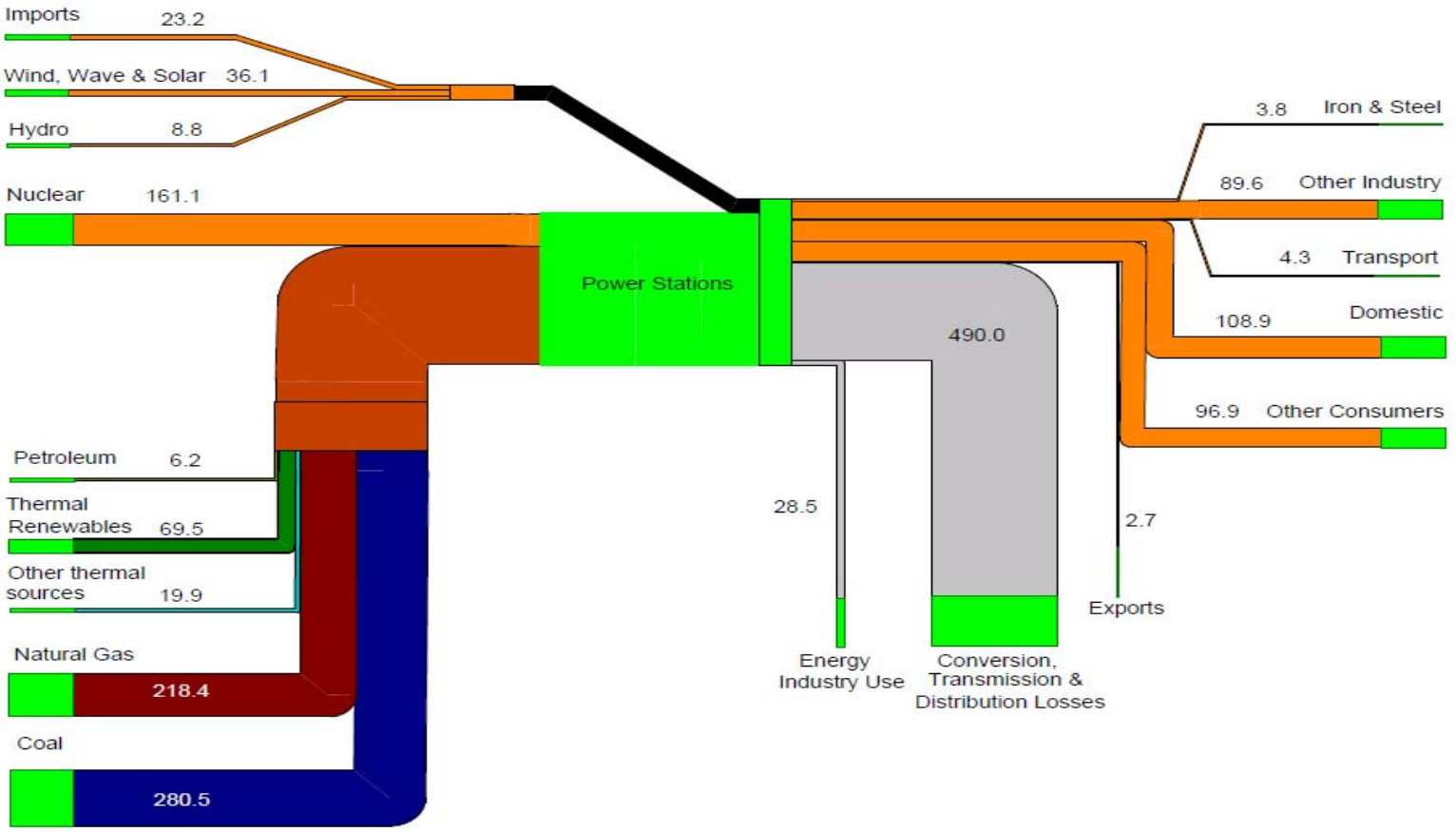
Notes:
This flow chart is based on the data that appear in Tables 3.1 and 3.2.
The numbers on either side of the flow chart will not match due to losses in transformation.
Biofuels are not included.

Chart H.3: Natural gas flow chart 2014 (TWh)



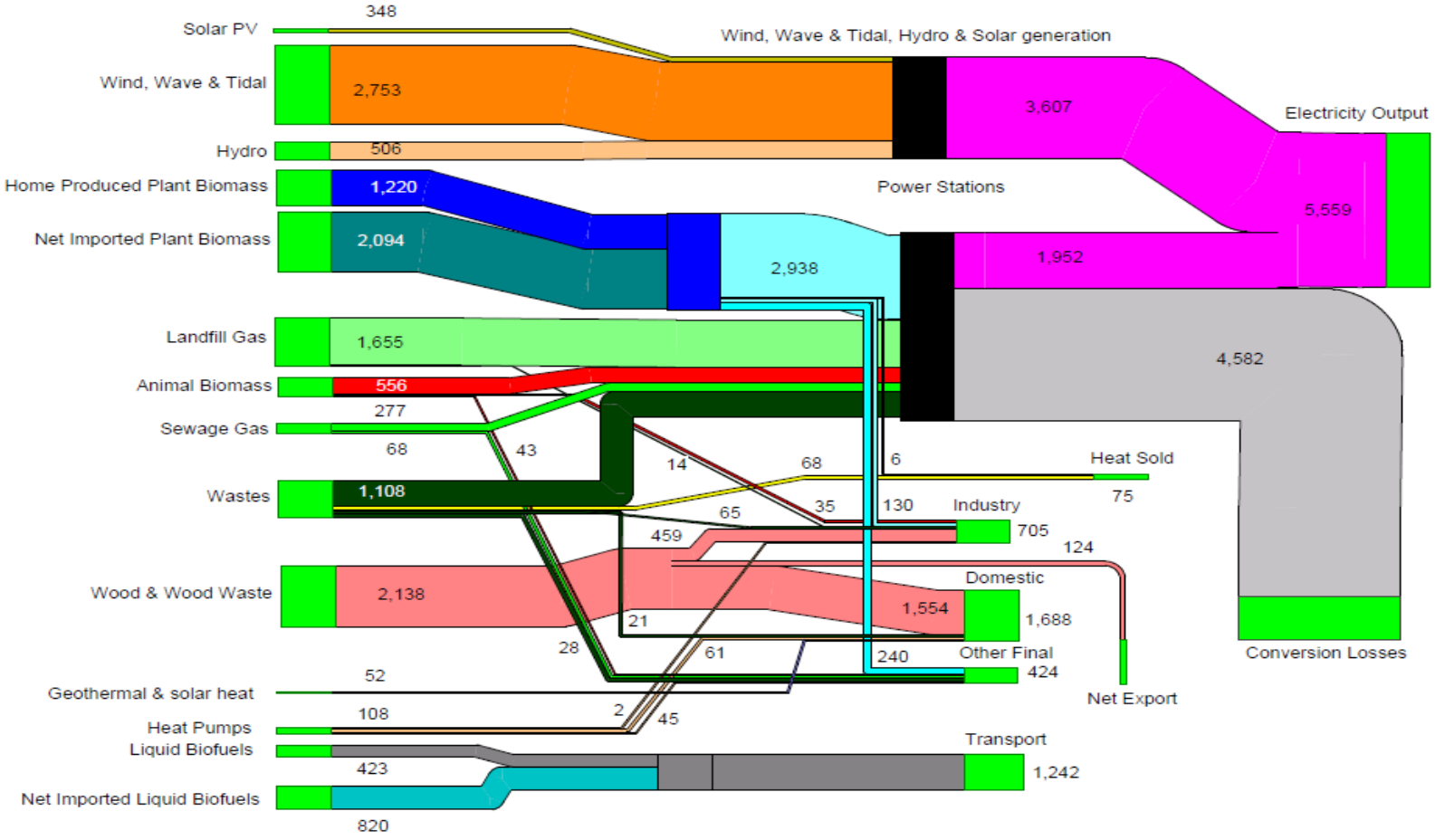
Note:
This flow chart is based on the data that appear in Table 4.1, excluding colliery methane.

Chart H.4: Electricity flow chart 2014 (TWh)



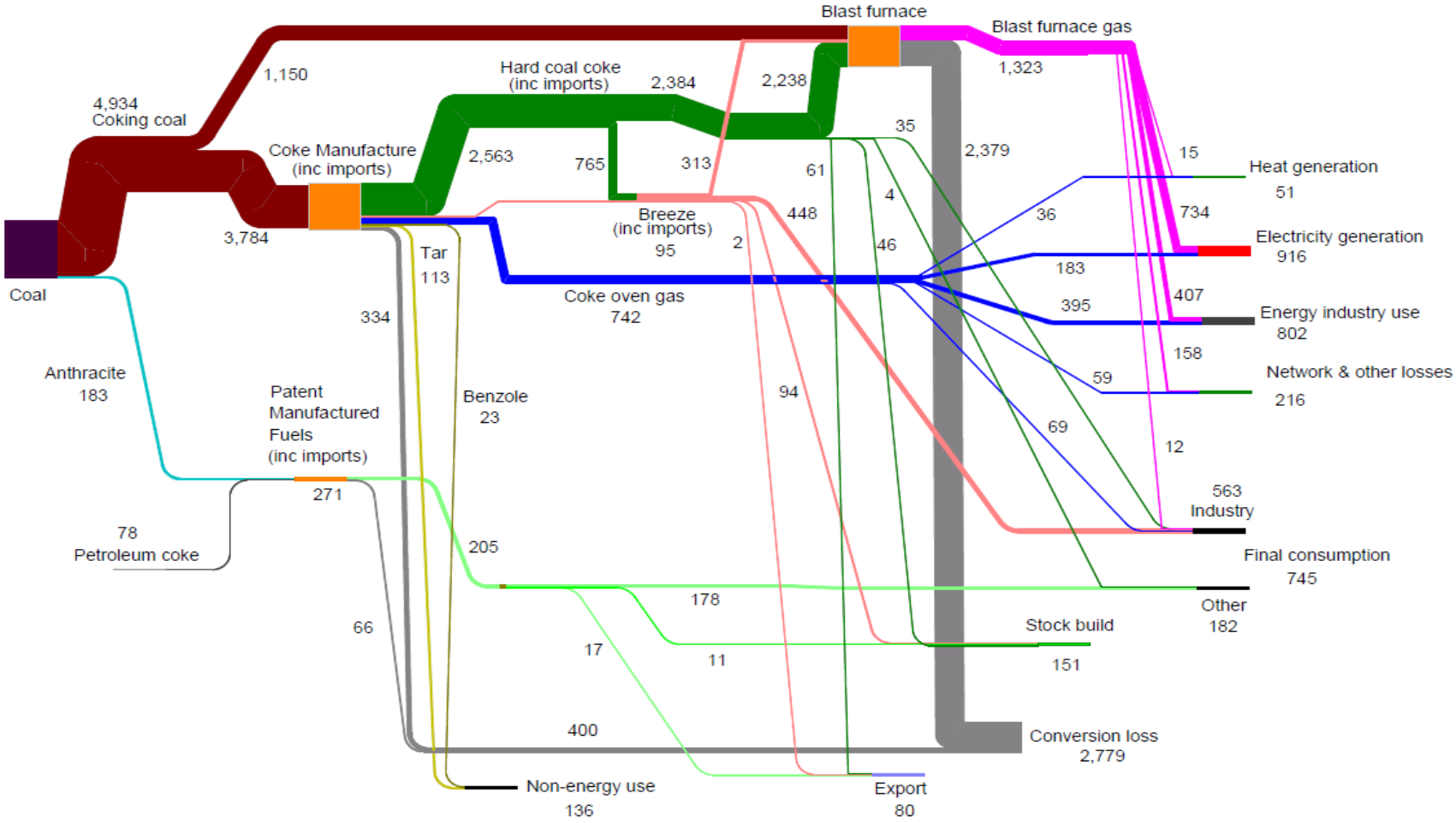
Notes:
This flow chart is based on the data in Tables 5.1 (for imports, exports, use, losses and consumption) and 5.5 (fuel used).
(1) Hydro includes generation from pumped storage while electricity used in pumping is included under Energy Industry Use
(2) Conversion, Transmission and Distribution Losses is calculated as fuel used (Table 5.5) minus generation (Table 5.5) plus losses (Table 5.1)

Chart H.5: Renewables flow chart 2014 (thousand tonnes of oil equivalent)



Note:
This flow chart is based on data that appear in Tables 6.1 and 6.4.

Chart H.6: Manufactured Solid Fuels flow chart 2014 (thousand tonnes of oil equivalent)



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 169 of DUKES. The contribution of renewables has continued to grow in recent years, with the share reaching 7.2 per cent in 2014.

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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	-	41,478	-	32,925	6,657	17,457	-	-	105,441
Imports	25,925	668	55,868	30,032	36,926	2,768	-	1,997	-	154,184
Exports	-303	-79	-32,144	-23,490	-9,898	-314	-	-234	-	-66,462
Marine bunkers	-	-	-	-2,335	-	-	-	-	-	-2,335
Stock change*(4)*	-2,689	-150	-615	+294	-184					-3,345
Primary supply	**29,857**	**439**	**64,587**	**4,502**	**59,768**	**9,112**	**17,457**	**1,764**	**-**	**187,485**
Statistical difference*(5)*	-4	-3	-39	-190	-67	-	-	-48	-	-351
Primary demand	**29,861**	**443**	**64,626**	**4,691**	**59,835**	**9,112**	**17,457**	**1,812**	**-**	**187,836**
Transfers	-	+8	-1,548	+1,554	-11	-	-3,607	+3,607	-	+3
Transformation	**-28,015**	**1,381**	**-63,078**	**61,739**	**-18,915**	**-5,545**	**-13,850**	**25,287**	**1,625**	**-39,370**
Electricity generation	-22,849	-898	-	-490	-16,901	-5,475	-13,850	25,287	-	-35,174
Major power producers	-22,740	-	-	-165	-14,697	-2,622	-13,850	22,918	-	-31,155
Autogenerators	-109	-898	-	-324	-2,204	-2,853	-	2,369	-	-4,019
Heat generation	-304	-48	-	-69	-2,014	-70	-	-	1,625	-881
Petroleum refineries	-	-	-63,078	62,371	-	-	-	-	-	-707
Coke manufacture	-3,595	3,370	-	-	-	-	-	-	-	-224
Blast furnaces	-1,093	-1,229	-	-	-	-	-	-	-	-2,322
Patent fuel manufacture	-174	185	-	-74	-	-	-	-	-	-63
Other	-	-	-	-	-	-	-	-	-	-
Energy industry use	**0**	**763**	**-**	**3,866**	**3,821**	**-**	**-**	**2,162**	**285**	**10,898**
Electricity generation	-	-	-	-	-	-	-	1,420	-	1,420
Oil and gas extraction	-	-	-	659	3,288	-	-	45	-	3,992
Petroleum refineries	-	-	-	3,207	88	-	-	391	285	3,972
Coal extraction	0	-	-	-	13	-	-	60	-	74
Coke manufacture	-	349	-	-	-	-	-	7	-	356
Blast furnaces	-	413	-	-	26	-	-	38	-	477
Patent fuel manufacture	-	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	86	-	86
Other	-	-	-	-	405	-	-	115	-	520
Losses	**-**	**211**	**-**	**-**	**531**	**-**	**-**	**2,456**	**-**	**3,197**
Final consumption	**1,846**	**858**	**-**	**64,118**	**36,557**	**3,567**	**-**	**26,088**	**1,339**	**134,375**
Industry	**1,421**	**556**	**-**	**4,098**	**7,158**	**599**	**-**	**8,029**	**896**	**22,755**
Unclassified	-	44	-	3,183	1	599	-	-	-	3,828
Iron and steel	36	512	-	7	422	-	-	326	-	1,302
Non-ferrous metals	14	-	-	0	152	-	-	384	-	551
Mineral products	743	-	-	188	1,171	-	-	549	-	2,651
Chemicals	47	-	-	117	1,118	-	-	1,378	467	3,128
Mechanical engineering etc	9	-	-	-	450	-	-	585	-	1,043
Electrical engineering etc	4	-	-	1	193	-	-	499	-	697
Vehicles	37	-	-	196	336	-	-	403	-	972
Food, beverages etc	36	-	-	105	1,589	-	-	895	-	2,625
Textiles, leather etc	39	-	-	50	400	-	-	233	-	722
Paper, printing etc	75	-	-	34	607	-	-	906	-	1,622
Other industries	374	-	-	36	389	-	-	1,754	429	2,982
Construction	5	-	-	180	329	-	-	118	-	633
Transport *(6)*	**9**	**-**	**-**	**49,666**	**-**	**1,168**	**-**	**366**	**-**	**51,209**
Air	-	-	-	11,798	-	-	-	-	-	11,798
Rail	9	-	-	618	-	-	-	360	-	987
Road	-	-	-	36,527	-	1,168	-	6	-	37,701
National navigation	-	-	-	723	-	-	-	-	-	723
Pipelines	-	-	-	-	-	-	-	-	-	-
Other	**416**	**173**	**-**	**3,821**	**28,979**	**1,800**	**-**	**17,694**	**444**	**53,327**
Domestic	393	173	-	2,415	21,521	1,433	-	9,362	52	35,349
Public administration	16	-	-	338	2,861	74	-	1,565	381	5,235
Commercial	3	-	-	442	3,749	53	-	6,446	11	10,703
Agriculture	-	-	-	344	69	240	-	321	-	973
Miscellaneous	4	-	-	282	780	0	-	-	-	1,067
Non energy use	**-**	129	**-**	6,534	420	**-**	**-**	**-**	**-**	7,083

(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	7,575r	-	42,208	-	32,870	6,337r	18,462	-	-	107,452r
Imports	30,516	593	61,402	29,803r	41,410	1,896	-	1,508	-	167,127r
Exports	-424	-82	-34,362r	-27,854r	-8,486	-211	-	-267	-	-71,687r
Marine bunkers	-	-	-	-2,529	-	-	-	-	-	-2,529
Stock change *(4)*	-770r	-86r	+751	+77	+48					+20r
Primary supply	**36,896r**	**424**	**70,000r**	**-503r**	**65,842**	**8,021r**	**18,462**	**1,241**	**-**	**200,382r**
Statistical difference *(5)*	-189r	+0r	-85	-66	+146r	-	-	-89r	-	-282r
Primary demand	**37,085r**	**424r**	**70,085r**	**-437r**	**65,695r**	**8,021r**	**18,462**	**1,330**	**-**	**200,665r**
Transfers	-	+5r	-1,962r	+1,960r	-5	-	-3,020r	+3,020r	-	-1r
Transformation	**-35,232r**	**1,451r**	**-68,124r**	**66,947r**	**-17,880r**	**-4,698r**	**-15,442**	**27,614r**	**1,531r**	**-43,833r**
Electricity generation	-29,861r	-919	-	-548r	-15,966r	-4,641r	-15,442	27,614r	-	-39,764r
Major power producers	-29,743	-	-	-217r	-13,559r	-1,981	-15,442	25,301r	-	-35,641r
Autogenerators	-117r	-919	-	-331r	-2,408r	-2,660r	-	2,312r	-	-4,123r
Heat generation	-359	-48	-	-64	-1,914r	-57r	-	-	1,531r	-911r
Petroleum refineries	-	-	-68,124r	67,650r	-	-	-	-	-	-474r
Coke manufacture	-3,819	3,494	-	-	-	-	-	-	-	-325
Blast furnaces	-1,019	-1,304r	-	-	-	-	-	-	-	-2,322r
Patent fuel manufacture	-175r	227	-	-90r	-	-	-	-	-	-38r
Other	-	-	-	-	-	-	-	-	-	-
Energy industry use	**2**	**738**	**-**	**4,355r**	**4,169r**	**-**	**-**	**2,324r**	**160**	**11,748r**
Electricity generation	-	-	-	-	-	-	-	1,538	-	1,538r
Oil and gas extraction	-	-	-	632	3,603	-	-	49	-	4,284
Petroleum refineries	-	-	-	3,723r	89	-	-	402r	160	4,374r
Coal extraction	2	-	-	-	12	-	-	68	-	82
Coke manufacture	-	347	-	-	-	-	-	7	-	353
Blast furnaces	-	392	-	-	28	-	-	38	-	458
Patent fuel manufacture	-	-	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	88r	-	88r
Other	-	-	-	-	437r	-	-	133	-	570r
Losses	**-**	**212**	**-**	**-**	**578**	**-**	**-**	**2,384r**	**-**	**3,174r**
Final consumption	**1,851r**	**929r**	**-**	**64,115r**	**43,063r**	**3,323r**	**-**	**27,255r**	**1,372r**	**141,908r**
Industry	**1,358r**	**586r**	**-**	**4,079r**	**7,197r**	**489r**	**-**	**8,398r**	**921r**	**23,029r**
Unclassified	-	73	-	3,165r	1	489r	-	-	-	3,728r
Iron and steel	36	513r	-	4	413	-	-	327	-	1,293r
Non-ferrous metals	13	-	-	0	149	-	-	381	-	544r
Mineral products	737	-	-	184r	1,175	-	-	578	-	2,674r
Chemicals	52	-	-	112r	1,106r	-	-	1,485r	510r	3,265r
Mechanical engineering etc	8	-	-	-	439r	-	-	607	-	1,054r
Electrical engineering etc	4	-	-	1	202	-	-	531	-	737
Vehicles	35	-	-	193r	347	-	-	436	-	1,010r
Food, beverages etc	30	-	-	126	1,595r	-	-	953r	0	2,704r
Textiles, leather etc	40	-	-	49r	399	-	-	249	-	737r
Paper, printing etc	67r	-	-	33r	630r	-	-	929r	-	1,659r
Other industries	333r	-	-	36r	401r	-	-	1,796r	411r	2,976r
Construction	5	-	-	176r	340	-	-	126	-	646r
Transport *(6)*	**9**	**-**	**-**	**49,233r**	**-**	**1,022r**	**-**	**367r**	**-**	**50,631r**
Air	-	-	-	11,812r	-	-	-	-	-	11,812r
Rail	9	-	-	616r	-	-	-	364r	-	990r
Road	-	-	-	36,026	-	1,022r	-	3	-	37,051
National navigation	-	-	-	779	-	-	-	-	-	779
Pipelines	-	-	-	-	-	-	-	-	-	-
Other	**483r**	**210**	**-**	**4,109r**	**35,433r**	**1,812r**	**-**	**18,490r**	**451r**	**60,988r**
Domestic	460r	210	-	2,714r	26,505r	1,481r	-	9,755	52	41,175r
Public administration	15	-	-	326r	3,437r	92r	-	1,618	384r	5,872r
Commercial	3	-	-	429r	4,472r	48r	-	6,784r	15r	11,752r
Agriculture	-	-	-	366r	85	191r	-	333	-	975r
Miscellaneous	5	-	-	274r	934r	0	-	-	-	1,213r
Non energy use	**-**	133	**-**	6,694r	433	**-**	**-**	**-**	**-**	7,260r

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

(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	10,955r	-	53,998	-	40,760	5,130r	17,480r	-	-	128,324r
Imports	20,329	33	60,276	23,418	45,540	1,661	-	747	-	152,004
Exports	-351	-354	-34,911r	-28,627	-14,215	-155	-	-212	-	-78,825r
Marine bunkers	-	-	-	-3,089	-	-	-	-	-	-3,089
Stock change*(4)*	+508	-384	+634	+198	-1,751					-796
Primary supply	**31,441r**	**-706**	**79,997r**	**-8,100**	**70,334**	**6,636r**	**17,480r**	**535**	**-**	**197,618r**
Statistical difference*(5)*	-8r	-14	-310r	+27r	+16r	-	-	-54r	-	-343r
Primary demand	**31,449r**	**-692**	**80,307r**	**-8,127**	**70,318r**	**6,636r**	**17,480r**	**589r**	**-**	**197,961r**
Transfers	-	+5	-2,461r	+2,425r	-5	-	-1,855r	+1,855r	-	-36r
Transformation	**-29,772r**	**2,217**	**-77,846**	**76,298r**	**-25,693r**	**-3,892r**	**-15,625**	**29,488**	**1,388**	**-43,437r**
Electricity generation	-24,715	-656	-	-733	-23,918r	-3,804r	-15,625	29,488	-	-39,964r
Major power producers	-23,961r	-	-	-326	-21,477r	-1,055	-15,625	26,838r	-	-35,607r
Autogenerators	-754	-656	-	-407	-2,441	-2,749r	-	2,650r	-	-4,357r
Heat generation	-330	-48	-	-72	-1,775	-87	-	-	1,388	-924
Petroleum refineries	-	-	-77,846	77,177r	-	-	-	-	-	-669r
Coke manufacture	-3,831	3,704	-	-	-	-	-	-	-	-126
Blast furnaces	-721	-980	-	-	-	-	-	-	-	-1,701
Patent fuel manufacture	-175r	196	-	-74	-	-	-	-	-	-52r
Other	-	-	-	-	-	-	-	-	-	-
Energy industry use	**2**	**623**	**-**	**5,085**	**4,868r**	**-**	**-**	**2,185r**	**182**	**12,945r**
Electricity generation	-	-	-	-	-	-	-	1,413r	-	1,413r
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	-	-	-	-	566r	-	-	138	-	704r
Losses	**-**	**144**	**-**	**-**	**768**	**-**	**-**	**2,419**	**-**	**3,331**
Final consumption	**1,675r**	**763**	**-**	**65,511r**	**38,984r**	**2,744r**	**-**	**27,328r**	**1,206**	**138,212r**
Industry	**1,134**	**439**	**-**	**4,243**	**7,314**	**431r**	**-**	**8,801**	**769**	**23,132**
Unclassified	-	40	-	3,401	2	431r	-	-	-	3,874r
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	183r	-	-	8	399	-	-	1,832	417	2,839
Construction	6	-	-	147	330	-	-	132	-	615
Transport *(6)*	**11**	**-**	**-**	**50,095r**	**-**	**1,063**	**-**	**366r**	**-**	**51,535r**
Air	-	-	-	12,162	-	-	-	-	-	12,162
Rail	11	-	-	612r	-	-	-	364r	-	986r
Road	-	-	-	36,481	-	1,063	-	2	-	37,546
National navigation	-	-	-	840	-	-	-	-	-	840
Pipelines	-	-	-	-	-	-	-	-	-	-
Other	**530r**	**188**	**-**	**3,801**	**31,210r**	**1,251r**	**-**	**18,161r**	**437**	**55,577r**
Domestic	504r	188	-	2,525	22,705	1,004r	-	9,595r	52	36,573r
Public administration	17	-	-	344	3,325	84	-	1,582	382	5,733
Commercial	4	-	-	407	4,315	29r	-	6,645r	3	11,402r
Agriculture	1	-	-	282	105	134r	-	339	-	861r
Miscellaneous	5r	-	-	243	761r	0	-	-	-	1,009r
Non energy use	**-**	135	**-**	7,372r	460	**-**	**-**	**-**	**-**	7,968r

(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	10,854r	-	65,450	-	51,476	4,957r	15,117r	-	-	147,854r
Imports	16,837	87	57,115	24,403	45,855	1,734	-	614	-	146,645
Exports	-511	-367	-43,667r	-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	**31,537r**	**-434r**	**78,858r**	**-4,615**	**84,862**	**6,526r**	**15,117r**	**229**	**-**	**212,080r**
Statistical difference*(5)*	+609r	-14	-23r	+62r	-2r	-	-	-36r	-	+596r
Primary demand	**30,928r**	**-420**	**78,881r**	**-4,678r**	**84,864r**	**6,526r**	**15,117r**	**265r**	**-**	**211,484r**
Transfers	-	+20	-2,613r	+2,601r	-20	-	-1,192r	+1,192r	-	-12r
Transformation	**-29,130r**	**2,090**	**-76,268**	**74,145r**	**-31,019r**	**-3,594r**	**-13,925**	**31,364**	**1,361**	**-44,977r**
Electricity generation	-24,278	-651	-	-1,123	-29,184r	-3,556r	-13,925	31,364	-	-41,354r
Major power producers	-23,535	-	-	-616	-26,751r	-846	-13,925	28,700r	-	-36,974r
Autogenerators	-743	-651	-	-507	-2,433	-2,709r	-	2,663	-	-4,380r
Heat generation	-275	-48	-	-63	-1,835	-39	-	-	1,361	-898
Petroleum refineries	-	-	-76,268	75,432r	-	-	-	-	-	-836r
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**	**5,511r**	**-**	**-**	**2,223r**	**94**	**13,350r**
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	-	-	-	-	573r	-	-	150	-	723r
Losses	**-**	**163**	**-**	**-**	**990**	**-**	**-**	**2,324**	**-**	**3,477**
Final consumption	**1,795r**	**884**	**-**	**67,194r**	**47,324r**	**2,932r**	**-**	**28,274**	**1,266**	**149,668r**
Industry	**1,246r**	**528**	**-**	**5,174**	**7,656**	**384r**	**-**	**8,987**	**822**	**24,797r**
Unclassified	-	53	-	4,147	2	384r	-	-	-	4,586r
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	284r	-	-	55	416	-	-	1,848	405	3,008r
Construction	3	-	-	144	332	-	-	139	-	619
Transport *(6)*	**13**	**-**	**-**	**50,156**	**-**	**1,150r**	**-**	**365r**	**-**	**51,685r**
Air	-	-	-	11,673	-	-	-	-	-	11,673
Rail	13	-	-	620	-	-	-	364r	-	997r
Road	-	-	-	36,971	-	1,150r	-	2	-	38,123
National navigation	-	-	-	891	-	-	-	-	-	891
Pipelines	-	-	-	-	-	-	-	-	-	-
Other	**536r**	**218**	**-**	**4,422**	**39,042r**	**1,398r**	**-**	**18,921r**	**444**	**64,981**
Domestic	510r	218	-	3,242	30,149	1,125r	-	10,218	52	45,514r
Public administration	19	-	-	295	3,519	91	-	1,642	382	5,948
Commercial	2	-	-	359	4,436	23r	-	6,715r	10	11,544r
Agriculture	1	-	-	291	125	159	-	346	-	923
Miscellaneous	4	-	-	235	813	0	-	-	-	1,052r
Non energy use	**-**	139	**-**	7,442r	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	4,570r	16,478r	-	-	156,200r
Imports	23,720	131	57,051r	22,887	35,400	1,194	-	568	-	140,951r
Exports	-465	-125	-47,093	-26,229	-10,610	-38	-	-322	-	-84,882r
Marine bunkers	-	-	-	-3,275	-	-	-	-	-	-3,275
Stock change*(4)*	-3,986	+1	+565	+344	-377	-	-	-	-	-3,453
Primary supply	**29,756**	**6**	**81,428r**	**-6,273**	**78,172**	**5,726r**	**16,478r**	**246**	**-**	**205,540r**
Statistical difference*(5)*	-36	-11	+89r	-123r	-165r	-	-	+12r	-	-235r
Primary demand	**29,793**	**18**	**81,339r**	**-6,150r**	**78,337r**	**5,726r**	**16,478r**	**234r**	**-**	**205,775r**
Transfers	-	+27	-2,983r	+2,973r	-27	-	-1,249r	+1,249r	-	-10r
Transformation	**-28,143**	**1,476**	**-78,356r**	**75,621r**	**-29,566**	**-3,312r**	**-15,229**	**30,829r**	**1,301**	**-45,380r**
Electricity generation	-23,413	-749	-	-1,475	-27,805	-3,240r	-15,229	30,829r	-	-41,083r
Major power producers	-22,586	-	-	-1,020	-25,402	-618	-15,229	28,159	-	-36,695
Autogenerators	-828	-749	-	-455	-2,403	-2,623r	-	2,670r	-	-4,388r
Heat generation	-281	-48	-	-61	-1,761	-72	-	-	1,301	-923
Petroleum refineries	-	-	-78,356r	77,303r	-	-	-	-	-	-1,053r
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**	**5,386r**	**-**	**-**	**2,236r**	**94**	**13,146r**
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	-	-	-	-	481r	-	-	144	-	625r
Losses	**-**	**68**	**-**	**-**	**862**	**-**	**-**	**2,411r**	**-**	**3,342r**
Final consumption	**1,646**	**793**	**-**	**67,678r**	**42,496r**	**2,414r**	**-**	**27,665**	**1,206**	**143,898r**
Industry	**1,094**	**478**	**-**	**4,855**	**7,063**	**354**	**-**	**8,576**	**763**	**23,182r**
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**	**-**	**348r**	**-**	**52,404r**
Air	-	-	-	12,114	-	-	-	-	-	12,114
Rail	13	-	-	617	-	-	-	347r	-	976r
Road	-	-	-	37,430	-	988	-	2	-	38,420
National navigation	-	-	-	894	-	-	-	-	-	894
Pipelines	-	-	-	-	-	-	-	-	-	-
Other	**539**	**190**	**-**	**4,025**	**34,900r**	**1,071r**	**-**	**18,741r**	**444**	**59,909r**
Domestic	489	190	-	2,851	26,659	871r	-	10,193	52	41,304r
Public administration	16	-	-	350	3,279	75	-	1,672	382	5,774
Commercial	33	-	-	340	4,103	15	-	6,550r	9	11,050r
Agriculture	-	-	-	267	114	110	-	327	-	817
Miscellaneous	2	-	-	217	745r	0	-	-	-	964r
Non energy use	**-**	125	**-**	7,745r	533	**-**	**-**	**-**	**-**	8,403r

(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	-	74,666r	-	62,713	4,285r	12,965	-	-	165,369r
Imports	27,311	500	62,586	24,492	31,511	885	-	1,057	-	148,342
Exports	-441	-141	-50,104r	-29,587	-9,493	-	-	-109	-	-89,875r
Marine bunkers	-	-	-	-3,443	-	-	-	-	-	-3,443
Stock change*(4)*	-1,851	+162	+59r	+50	-239	-	-	-	-	-1,819r
Primary supply	**35,758**	**520**	**87,208r**	**-8,488**	**84,492**	**5,170r**	**12,965**	**948**	**-**	**218,574r**
Statistical difference*(5)*	+143	-7	+128r	-101r	+42	-	-	+24r	-	+230r
Primary demand	**35,615**	**527**	**87,080r**	**-8,387r**	**84,450**	**5,170r**	**12,965**	**924r**	**-**	**218,344r**
Transfers	-	-127	-3,052r	+3,050r	-5	-	-1,056	+1,056	-	-133r
Transformation	**-33,859**	**1,586**	**-84,029r**	**81,362r**	**-31,127**	**-3,018r**	**-11,909**	**32,033r**	**1,537**	**-47,424r**
Electricity generation	-28,446	-839	-	-1,490	-29,160	-2,972r	-11,909	32,033r	-	-42,782r
Major power producers	-27,524	-	-	-1,045	-26,656	-668	-11,909	29,367	-	-38,434
Autogenerators	-923	-839	-	-445	-2,504	-2,304r	-	2,666r	-	-4,348r
Heat generation	-298	-48	-	-62	-1,968	-47	-	-	1,537	-885
Petroleum refineries	-	-	-84,029r	83,117r	-	-	-	-	-	-911r
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**	**-**	**70,831r**	**47,252**	**2,152r**	**-**	**29,391**	**1,465**	**153,793r**
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**	**-**	**340r**	**-**	**54,299**
Air	-	-	-	12,755	-	-	-	-	-	12,755
Rail	13	-	-	618	-	-	-	338r	-	969r
Road	-	-	-	38,815	-	806	-	2	-	39,622
National navigation	-	-	-	953	-	-	-	-	-	953
Pipelines	-	-	-	-	-	-	-	-	-	-
Other	**509**	**227**	**-**	**4,193**	**37,740**	**991r**	**-**	**19,236r**	**445**	**63,341r**
Domestic	489	227	-	2,869	27,824	795r	-	10,301	52	42,557r
Public administration	9	-	-	440	3,877	67	-	1,750	387	6,530
Commercial	7	-	-	377	4,952	10r	-	6,835r	6	12,188
Agriculture	3	-	-	279	109	119	-	350	-	861
Miscellaneous	1	-	-	227	977	0	-	-	-	1,206
Non energy use	**-**	-	**-**	7,942r	635	**-**	**-**	**-**	**-**	8,577r

(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.

Annex J

Heat reconciliation

Introduction

J.1 Heat sold has been separately identified in the energy balances since 1999. It is defined as heat that is produced and sold under the provision of a contract. The introduction of heat sold into the energy and commodity balances did not affect the individual fuel totals, since the energy used to generate the heat has been deducted from the final consumption section of the energy balances and transferred to the transformation section. The tables show the detailed analysis of the heat generation row of the main energy balances, by sector generating the heat.

Methodology

J.2 The heat data are derived from two sources covering CHP plants and heating schemes without CHP plants. Data for heat sold are supplied by CHP plants to the Combined Heat and Power Quality Assurance Programme and are processed by Ricardo-AEA. Data for heat consumption from other heating schemes were derived from the Building Research Establishment's "National Survey of Community Heating" that was carried out in 1997, a database of community heating schemes in social housing in 2000, and Community Heating Sales Surveys undertaken between 2003 and 2005. The estimates from these sources have been used to derive heat sold figures since 1999; it is recommended that the figures should be treated as indicative of the amount of heat sold.

J.3 To make the heat sold information more transparent, data on the quantity of fuel by consuming sector used to produce heat that is subsequently sold are being made available in the tables that accompany this annex. When producing the energy and commodity balances the quantities of fuel shown in the tables have been deducted from the final consumption section and moved to the transformation section.

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J.1 Heat sold reallocation 2014

	ktonnes	GWh	GWh	GWh	ktonnes	ktonnes	ktonnes	ktoe
	Coal	**Coke oven gas**	**Blast furnace gas**	**Natural gas**	**Fuel oil**	**Gas oil**	**Propane**	**Solid waste and biomass**
Supply	-	-	-	-	-	-	-	-
Indigenous production	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-
Marine bunkers	-	-	-	-	-	-	-	-
Stock change	-	-	-	-	-	-	-	-
Primary supply	-	-	-	-	-	-	-	-
Statistical difference	-	-	-	-	-	-	-	-
Primary demand	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-
Transformation	-	-	-	-	-	-	-	-
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Heat generation	-516	-418	-179	-26,028	-52	-5	-11	-68
Petroleum refineries	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use	-	-	-	-	-	-	-	-
Electricity generation	-	-	-	-	-	-	-	-
Oil and gas extraction	-	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	4,415	-	-	11	-
Coal extraction	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-
Final consumption	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-
Unclassified	-	62	-	-	-	-	-	-
Iron and steel	-	357	179	395	4	0	-	-
Non-ferrous metals	17	-	-	213	1	0	-	-
Mineral products	-	-	-	237	4	0	-	-
Chemicals	324	-	-	6,282	20	0	-	33
Mechanical engineering etc	1	-	-	234	2	0	-	-
Electrical engineering etc	0	-	-	61	1	0	-	-
Vehicles	7	-	-	474	3	0	-	-
Food, beverages etc	24	-	-	1,304	8	0	-	-
Textiles, leather etc	3	-	-	159	2	0	-	-
Paper, printing etc	7	-	-	1,430	4	0	-	-
Other industries	3	-	-	2,258	3	4	-	-
Construction	-	-	-	0	1	-	-	-
Transport	-	-	-	-	-	-	-	-
Air	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-
National navigation	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Domestic	-	-	-	-	-	-	-	-
Public administration	130	-	-	4,295	-	-	-	-
Commercial	0	-	-	4,273	0	0	-	35
Agriculture	-	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-	-
Non energy use	-	-	-	-	-	-	-	-

J.1 Heat sold reallocation 2013

	ktonnes	GWh	GWh	GWh	ktonnes	ktonnes	ktonnes	ktoe
	Coal	**Coke oven gas**	**Blast furnace gas**	**Natural gas**	**Fuel oil**	**Gas oil**	**Propane**	**Solid waste and biomass**
Supply	-	-	-	-	-	-	-	-
Indigenous production	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-
Marine bunkers	-	-	-	-	-	-	-	-
Stock change	-	-	-	-	-	-	-	-
Primary supply	-	-	-	-	-	-	-	-
Statistical difference	-	-	-	-	-	-	-	-
Primary demand	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-
Transformation	-	-	-	-	-	-	-	-
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Heat generation	-609	-418	-179	-24,727	-53	-5	-7	-53
Petroleum refineries	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use	-	-	-	-	-	-	-	-
Electricity generation	-	-	-	-	-	-	-	-
Oil and gas extraction	-	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	2,463	-	-	7	-
Coal extraction	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-
Final consumption	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-
Unclassified	-	62	-	-	-	-	-	-
Iron and steel	-	357	179	395	4	0	-	-
Non-ferrous metals	17	-	-	213	1	0	-	-
Mineral products	-	-	-	237	4	0	-	-
Chemicals	416	-	-	6,939	20	0	-	33
Mechanical engineering etc	1	-	-	234	2	0	-	-
Electrical engineering etc	0	-	-	61	1	0	-	-
Vehicles	7	-	-	474	3	0	-	-
Food, beverages etc	24	-	-	1,304	8	0	-	-
Textiles, leather etc	3	-	-	159	2	0	-	-
Paper, printing etc	7	-	-	1,430	4	0	-	-
Other industries	3	-	-	2,258	3	4	-	-
Construction	-	-	-	0	1	-	-	-
Transport	-	-	-	-	-	-	-	-
Air	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-
National navigation	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Domestic	-	-	-	-	-	-	-	-
Public administration	130	-	-	4,319	-	0	-	-
Commercial	1	-	-	4,243	0	0	-	20
Agriculture	-	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-	-
Non energy use	-	-	-	-	-	-	-	-

J.1 Heat sold reallocation 2012

	ktonnes	GWh	GWh	GWh	ktonnes	ktonnes	ktonnes	ktoe
	Coal	**Coke oven gas**	**Blast furnace gas**	**Natural gas**	**Fuel oil**	**Gas oil**	**Propane**	**Solid waste and biomass**
Supply	-	-	-	-	-	-	-	-
Indigenous production	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-
Marine bunkers	-	-	-	-	-	-	-	-
Stock change	-	-	-	-	-	-	-	-
Primary supply	-	-	-	-	-	-	-	-
Statistical difference	-	-	-	-	-	-	-	-
Primary demand	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-
Transformation	-	-	-	-	-	-	-	-
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Heat generation	-461	-418	-179	-25,091	-52	-5	-18	-125
Petroleum refineries	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use	-	-	-	-	-	-	-	-
Electricity generation	-	-	-	-	-	-	-	-
Oil and gas extraction	-	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	4,593	-	-	18	-
Coal extraction	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-
Final consumption	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-
Unclassified	-	62	-	-	-	-	-	-
Iron and steel	-	357	179	395	4	0	-	-
Non-ferrous metals	17	-	-	213	1	0	-	-
Mineral products	-	-	-	237	4	0	-	-
Chemicals	268	-	-	5,231	20	0	-	31
Mechanical engineering etc	1	-	-	234	2	0	-	-
Electrical engineering etc	0	-	-	61	1	0	-	-
Vehicles	7	-	-	474	3	0	-	-
Food, beverages etc	24	-	-	1,335	8	0	-	-
Textiles, leather etc	3	-	-	159	2	0	-	-
Paper, printing etc	7	-	-	1,447	4	0	-	-
Other industries	3	-	-	2,258	3	4	-	-
Construction	-	-	-	0	1	-	-	-
Transport	-	-	-	-	-	-	-	-
Air	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-
National navigation	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Domestic	-	-	-	-	-	-	-	-
Public administration	130	-	-	4,264	-	0	-	27
Commercial	1	-	-	4,191	-	0	-	31
Agriculture	-	-	-	-	-	-	-	35
Miscellaneous	-	-	-	-	-	-	-	-
Non energy use	-	-	-	-	-	-	-	-

J.1 Heat sold reallocation 2011

	ktonnes	GWh	GWh	GWh	ktonnes	ktonnes	ktonnes	ktoe
	Coal	**Coke oven gas**	**Blast furnace gas**	**Natural gas**	**Fuel oil**	**Gas oil**	**Propane**	**Solid waste and biomass**
Supply	-	-	-	-	-	-	-	-
Indigenous production	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-
Marine bunkers	-	-	-	-	-	-	-	-
Stock change	-	-	-	-	-	-	-	-
Primary supply	-	-	-	-	-	-	-	-
Statistical difference	-	-	-	-	-	-	-	-
Primary demand	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-
Transformation	-	-	-	-	-	-	-	-
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Heat generation	-562	-418	-179	-22,936	-52	-6	-13	-97
Petroleum refineries	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use	-	-	-	-	-	-	-	-
Electricity generation	-	-	-	-	-	-	-	-
Oil and gas extraction	-	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	2,734	-	0	13	-
Coal extraction	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-
Final consumption	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-
Unclassified	-	62	-	-	-	-	-	-
Iron and steel	-	357	179	395	4	0	-	-
Non-ferrous metals	17	-	-	213	1	0	-	-
Mineral products	-	-	-	237	4	0	-	-
Chemicals	367	-	-	4,959	20	0	-	32
Mechanical engineering etc	1	-	-	234	2	0	-	-
Electrical engineering etc	0	-	-	61	1	0	-	-
Vehicles	7	-	-	474	3	0	-	-
Food, beverages etc	24	-	-	1,324	8	0	-	-
Textiles, leather etc	3	-	-	159	2	0	-	-
Paper, printing etc	7	-	-	1,465	4	0	-	-
Other industries	3	-	-	2,258	3	4	-	-
Construction	-	-	-	0	1	-	-	-
Transport	-	-	-	-	-	-	-	-
Air	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-
National navigation	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Domestic	-	-	-	-	-	-	-	-
Public administration	130	-	-	4,227	-	0	-	11
Commercial	2	-	-	4,198	-	1	-	20
Agriculture	-	-	-	-	-	-	-	35
Miscellaneous	-	-	-	-	-	-	-	-
Non energy use	-	-	-	-	-	-	-	-

J.1 Heat sold reallocation 2010

	ktonnes	GWh	GWh	GWh	ktonnes	ktonnes	ktonnes	ktoe
	Coal	**Coke oven gas**	**Blast furnace gas**	**Natural gas**	**Fuel oil**	**Gas oil**	**Propane**	**Solid waste and biomass**
Supply	-	-	-	-	-	-	-	-
Indigenous production	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-
Marine bunkers	-	-	-	-	-	-	-	-
Stock change	-	-	-	-	-	-	-	-
Primary supply	-	-	-	-	-	-	-	-
Statistical difference	-	-	-	-	-	-	-	-
Primary demand	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-
Transformation	-	-	-	-	-	-	-	-
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Heat generation	-477	-418	-179	-23,707	-52	-5	-5	-41
Petroleum refineries	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use								
Electricity generation	-	-	-	-	-	-	-	-
Oil and gas extraction	-	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	1,483	-	-	5	-
Coal extraction	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-
Final consumption	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-
Unclassified	-	62	-	-	-	-	-	-
Iron and steel	-	357	179	395	4	0	-	-
Non-ferrous metals	17	-	-	213	1	0	-	-
Mineral products	-	-	-	237	4	0	-	-
Chemicals	284	-	-	6,935	20	0	-	32
Mechanical engineering etc	1	-	-	234	2	0	-	-
Electrical engineering etc	0	-	-	61	1	0	-	-
Vehicles	7	-	-	474	3	0	-	-
Food, beverages etc	24	-	-	1,317	8	0	-	-
Textiles, leather etc	3	-	-	159	2	0	-	-
Paper, printing etc	7	-	-	1,461	4	0	-	-
Other industries	3	-	-	2,258	3	4	-	-
Construction	-	-	-	0	1	-	-	-
Transport	-	-	-	-	-	-	-	-
Air	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-
National navigation	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Domestic	-	-	-	-	-	-	-	-
Public administration	130	-	-	4,296	-	0	-	2
Commercial	-	-	-	4,186	-	1	-	7
Agriculture	-	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-	-
Non energy use	-	-	-	-	-	-	-	-

J.1 Heat sold reallocation 2009

	ktonnes	GWh	GWh	GWh	ktonnes	ktonnes	ktonnes	ktoe
	Coal	**Coke oven gas**	**Blast furnace gas**	**Natural gas**	**Fuel oil**	**Gas oil**	**Propane**	**Solid waste and biomass**
Supply	-	-	-	-	-	-	-	-
Indigenous production	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-
Marine bunkers	-	-	-	-	-	-	-	-
Stock change	-	-	-	-	-	-	-	-
Primary supply	-	-	-	-	-	-	-	-
Statistical difference	-	-	-	-	-	-	-	-
Primary demand	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-
Transformation	-	-	-	-	-	-	-	-
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Heat generation	-482	-418	-179	-22,758	-52	-5	-5	-79
Petroleum refineries	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use								
Electricity generation	-	-	-	-	-	-	-	-
Oil and gas extraction	-	-	-	-	-	-	-	-
Petroleum refineries	-	-	-	1,400	-	-	5	-
Coal extraction	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	-	-	-	-	-	-	-	-
Pumped storage	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Losses	-	-	-	-	-	-	-	-
Final consumption	-	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-	-
Unclassified	-	62	-	-	-	-	-	-
Iron and steel	-	357	179	395	4	0	-	-
Non-ferrous metals	17	-	-	213	1	0	-	-
Mineral products	-	-	-	237	4	0	-	-
Chemicals	287	-	-	5,991	20	0	-	31
Mechanical engineering etc	1	-	-	274	2	0	-	-
Electrical engineering etc	0	-	-	61	1	0	-	-
Vehicles	7	-	-	474	3	0	-	-
Food, beverages etc	24	-	-	1,320	8	0	-	-
Textiles, leather etc	3	-	-	159	2	0	-	-
Paper, printing etc	7	-	-	1,441	4	0	-	-
Other industries	3	-	-	2,258	3	4	-	-
Construction	-	-	-	0	1	-	-	-
Transport	-	-	-	-	-	-	-	-
Air	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-
National navigation	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Domestic	-	-	-	-	-	-	-	-
Public administration	130	-	-	4,456	-	0	-	11
Commercial	2	-	-	4,080	-	0	-	36
Agriculture	-	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-	-
Non energy use	-	-	-	-	-	-	-	-

J.1 Heat sold reallocation 2008

	ktonnes	GWh	GWh	GWh	ktonnes	ktonnes	ktonnes	ktoe
	Coal	**Coke oven gas**	**Blast furnace gas**	**Natural gas**	**Fuel oil**	**Gas oil**	**Propane**	**Solid waste**
Supply	-	-	-	-	-	-	-	-
Indigenous production	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-
Marine bunkers	-	-	-	-	-	-	-	-
Stock change	-	-	-	-	-	-	-	-
Primary supply	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Statistical difference	-	-	-	-	-	-	-	-
Primary demand	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Transfers	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Transformation	-	-	-	-	-	-	-	-
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Heat generation	-503	-418	-179	-25,426	-52	-5	-5	-49
Petroleum refineries	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	**-**	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use								
Electricity generation	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Oil and gas extraction	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Petroleum refineries	-	-	-	804	-	-	5	-
Coal extraction	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Coke manufacture	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Blast furnaces	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Patent fuel manufacture	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Pumped storage	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Other	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Final consumption								
Industry	-	-	-	-	-	-	-	-
Unclassified	-	62	-	-	-	-	-	-
Iron and steel	-	357	179	395	4	0	-	-
Non-ferrous metals	17	-	-	213	1	0	-	-
Mineral products	-	-	-	237	4	0	-	-
Chemicals	309	-	-	9,159	20	0	-	31
Mechanical engineering etc	1	-	-	285	2	0	-	1
Electrical engineering etc	0	-	-	61	1	0	-	-
Vehicles	7	-	-	474	3	0	-	-
Food, beverages etc	24	-	-	1,400	8	0	-	-
Textiles, leather etc	3	-	-	159	2	0	-	-
Paper, printing etc	7	-	-	1,464	4	0	-	-
Other industries	3	-	-	2,258	3	4	-	-
Construction	**-**	-	-	0	1	**-**	-	**-**
Transport	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Air	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-
National navigation	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Domestic	-	-	-	-	-	-	-	-
Public administration	130	-	-	4,327	-	0	-	2
Commercial	3	-	-	4,190	-	0	-	14
Agriculture	-	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-	-
Non energy use	-	-	-	-	-	-	-	-

J.1 Heat sold reallocation 2007

	ktonnes	GWh	GWh	GWh	ktonnes	ktonnes	ktonnes	ktoe
	Coal	**Coke oven gas**	**Blast furnace gas**	**Natural gas**	**Fuel oil**	**Gas oil**	**Propane**	**Solid waste**
Supply	-	-	-	-	-	-	-	-
Indigenous production	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-
Marine bunkers	-	-	-	-	-	-	-	-
Stock change	-	-	-	-	-	-	-	-
Primary supply	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Statistical difference	-	-	-	-	-	-	-	-
Primary demand	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Transfers	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Transformation	-	-	-	-	-	-	-	-
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Heat generation	-485	-418	-179	-23,640	-53	-5	-4	-48
Petroleum refineries	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	**-**	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use								
Electricity generation	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Oil and gas extraction	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Petroleum refineries	-	-	-	783	-	**-**	4	-
Coal extraction	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Coke manufacture	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Blast furnaces	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Patent fuel manufacture	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Pumped storage	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Other	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Final consumption								
Industry								
Unclassified	-	62	-	-	-	-	-	31
Iron and steel	-	357	179	395	4	-	-	-
Non-ferrous metals	17	-	-	213	1	-	-	-
Mineral products	-	-	-	237	4	-	-	-
Chemicals	294	-	-	7,485	20	-	-	-
Mechanical engineering etc	1	-	-	277	2	-	-	-
Electrical engineering etc	-	-	-	61	1	-	-	-
Vehicles	7	-	-	474	3	-	-	-
Food, beverages etc	24	-	-	1,329	8	-	-	-
Textiles, leather etc	3	-	-	159	2	-	-	-
Paper, printing etc	7	-	-	1,506	4	-	-	-
Other industries	3	-	-	2,258	3	4	-	-
Construction	**-**	-	-	-	1	**-**	-	**-**
Transport								
Air	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-
National navigation	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-
Other								
Domestic	-	-	-	-	-	-	-	-
Public administration	130	-	-	4,289	-	-	-	10
Commercial	-	-	-	4,175	-	1	-	6
Agriculture	-	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-	-
Non energy use	-	-	-	-	-	-	-	-

J.1 Heat sold reallocation 2006

	ktonnes	GWh	GWh	GWh	ktonnes	ktonnes	ktonnes	ktoe
	Coal	**Coke oven gas**	**Blast furnace gas**	**Natural gas**	**Fuel oil**	**Gas oil**	**Propane**	**Solid waste**
Supply	-	-	-	-	-	-	-	-
Indigenous production	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-
Marine bunkers	-	-	-	-	-	-	-	-
Stock change	-	-	-	-	-	-	-	-
Primary supply	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Statistical difference	-	-	-	-	-	-	-	-
Primary demand	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Transfers	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Transformation	-	-	-	-	-	-	-	-
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Heat generation	-457	-418	-179	-22,023	-53	-6	-4	-54
Petroleum refineries	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	**-**	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use								
Electricity generation	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Oil and gas extraction	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Petroleum refineries	-	-	-	683	-	**-**	4	-
Coal extraction	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Coke manufacture	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Blast furnaces	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Patent fuel manufacture	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Pumped storage	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Other	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Final consumption								
Industry								
Unclassified	-	62	-	-	-	-	-	-
Iron and steel	-	357	179	395	4	-	-	-
Non-ferrous metals	17	-	-	213	1	-	-	-
Mineral products	-	-	-	237	4	-	-	-
Chemicals	266	-	-	5,816	20	-	-	31
Mechanical engineering etc	1	-	-	234	2	-	-	5
Electrical engineering etc	-	-	-	61	1	-	-	-
Vehicles	7	-	-	474	3	-	-	-
Food, beverages etc	24	-	-	1,312	8	-	-	-
Textiles, leather etc	3	-	-	159	2	-	-	-
Paper, printing etc	7	-	-	1,744	4	-	-	-
Other industries	3	-	-	2,258	3	4	-	1
Construction	**-**	-	-	-	1	**-**	-	**-**
Transport								
Air	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-
National navigation	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-
Other								
Domestic	-	-	-	-	-	-	-	-
Public administration	130	-	-	4,270	-	-	-	11
Commercial	-	-	-	4,167	-	1	-	5
Agriculture	-	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-	-
Non energy use	-	-	-	-	-	-	-	-

J.1 Heat sold reallocation 2005

	ktonnes	GWh	GWh	GWh	ktonnes	ktonnes	ktonnes	ktoe
	Coal	**Coke oven gas**	**Blast furnace gas**	**Natural gas**	**Fuel oil**	**Gas oil**	**Propane**	**Solid waste**
Supply	-	-	-	-	-	-	-	-
Indigenous production	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-
Marine bunkers	-	-	-	-	-	-	-	-
Stock change	-	-	-	-	-	-	-	-
Primary supply	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Statistical difference	-	-	-	-	-	-	-	-
Primary demand	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Transfers	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Transformation	-	-	-	-	-	-	-	-
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Heat generation	-459	-418	-179	-22,488	-52	-6	-39	-36
Petroleum refineries	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	**-**	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use								
Electricity generation	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Oil and gas extraction	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Petroleum refineries	-	-	-	810	-	**-**	4	-
Coal extraction	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Coke manufacture	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Blast furnaces	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Patent fuel manufacture	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Pumped storage	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Other	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Final consumption								
Industry								
Unclassified	-	62	-	-	-	-	-	-
Iron and steel	-	357	179	395	4	-	-	-
Non-ferrous metals	17	-	-	213	1	-	-	-
Mineral products	-	-	-	237	4	-	-	-
Chemicals	267	-	-	5,850	20	-	34	31
Mechanical engineering etc	1	-	-	246	2	-	-	5
Electrical engineering etc	-	-	-	61	1	-	-	-
Vehicles	7	-	-	474	3	-	-	-
Food, beverages etc	24	-	-	1,313	8	-	-	-
Textiles, leather etc	3	-	-	159	2	-	-	-
Paper, printing etc	7	-	-	1,960	4	-	-	-
Other industries	3	-	-	2,258	3	4	-	-
Construction	**-**	-	-	-	1	**-**	-	-
Transport								
Air	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-
National navigation	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-
Other								
Domestic	-	-	-	-	-	-	-	-
Public administration	130	-	-	4,369	-	-	-	-
Commercial	-	-	-	4,145	-	1	-	-
Agriculture	-	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-	-
Non energy use	-	-	-	-	-	-	-	-

J.1 Heat sold reallocation 2004

	ktonnes	GWh	GWh	GWh	ktonnes	ktonnes	ktonnes	ktoe
	Coal	**Coke oven gas**	**Blast furnace gas**	**Natural gas**	**Fuel oil**	**Gas oil**	**Propane**	**Solid waste**
Supply	-	-	-	-	-	-	-	-
Indigenous production	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-
Marine bunkers	-	-	-	-	-	-	-	-
Stock change	-	-	-	-	-	-	-	-
Primary supply	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Statistical difference	-	-	-	-	-	-	-	-
Primary demand	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Transfers	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Transformation	-	-	-	-	-	-	-	-
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Heat generation	-473	-418	-179	-21,844	-52	-16	-1	-39
Petroleum refineries	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	**-**	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use								
Electricity generation	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Oil and gas extraction	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Petroleum refineries	-	-	-	162	-	**-**	1	-
Coal extraction	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Coke manufacture	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Blast furnaces	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Patent fuel manufacture	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Pumped storage	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Other	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Final consumption								
Industry								
Unclassified	-	62	-	-	-	-	-	-
Iron and steel	-	357	179	395	4	-	-	-
Non-ferrous metals	37	-	-	213	1	-	-	-
Mineral products	-	-	-	237	4	-	-	-
Chemicals	209	-	-	6,080	20	2	-	31
Mechanical engineering etc	1	-	-	269	2	-	-	-
Electrical engineering etc	-	-	-	61	1	-	-	-
Vehicles	7	-	-	474	3	-	-	-
Food, beverages etc	27	-	-	1,314	8	-	-	-
Textiles, leather etc	3	-	-	159	2	-	-	-
Paper, printing etc	17	-	-	1,813	4	-	-	-
Other industries	43	-	-	2,296	3	4	-	-
Construction	**-**	-	-	-	1	**-**	-	-
Transport								
Air	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-
National navigation	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-
Other								
Domestic	-	-	-	-	-	-	-	-
Public administration	130	-	-	4,281	-	8	-	-
Commercial	-	-	-	4,090	-	1	-	7
Agriculture	-	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-	-
Non energy use	-	-	-	-	-	-	-	-

J.1 Heat sold reallocation 2003

	ktonnes	GWh	GWh	GWh	ktonnes	ktonnes	ktonnes	ktoe
	Coal	**Coke oven gas**	**Blast furnace gas**	**Natural gas**	**Fuel oil**	**Gas oil**	**Propane**	**Solid waste**
Supply	-	-	-	-	-	-	-	-
Indigenous production	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-
Marine bunkers	-	-	-	-	-	-	-	-
Stock change	-	-	-	-	-	-	-	-
Primary supply	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Statistical difference	-	-	-	-	-	-	-	-
Primary demand	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Transfers	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Transformation	-	-	-	-	-	-	-	-
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Heat generation	-622	-1,055	-299	-19,830	-133	-18	-1	-64
Petroleum refineries	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	**-**	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use								
Electricity generation	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Oil and gas extraction	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Petroleum refineries	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Coal extraction	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Coke manufacture	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Blast furnaces	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Patent fuel manufacture	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Pumped storage	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Other	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Final consumption								
Industry								
Unclassified	-	201	-	-	-	-	1	64
Iron and steel	-	854	299	132	7	-	-	-
Non-ferrous metals	58	-	-	-	-	-	-	-
Mineral products	-	-	-	-	-	-	-	-
Chemicals	306	-	-	3,757	14	-	-	-
Mechanical engineering etc	2	-	-	239	6	1	-	-
Electrical engineering etc	1	-	-	-	3	-	-	-
Vehicles	18	-	-	-	2	-	-	-
Food, beverages etc	22	-	-	735	22	1	-	-
Textiles, leather etc	1	-	-	-	-	-	-	-
Paper, printing etc	25	-	-	1,662	6	-	-	-
Other industries	48	-	-	2,380	33	9	-	-
Construction	**-**	-	-	-	-	**-**	-	-
Transport								
Air	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-
National navigation	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-
Other								
Domestic	-	-	-	-	-	-	-	-
Public administration	141	-	-	5,713	34	4	-	-
Commercial	-	-	-	5,212	6	3	-	-
Agriculture	-	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-	-
Non energy use	-	-	-	-	-	-	-	-

J.1 Heat sold reallocation 2002

	ktonnes	GWh	GWh	GWh	ktonnes	ktonnes	ktonnes	ktoe
	Coal	**Coke oven gas**	**Blast furnace gas**	**Natural gas**	**Fuel oil**	**Gas oil**	**Propane**	**Solid waste**
Supply	-	-	-	-	-	-	-	-
Indigenous production	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-
Marine bunkers	-	-	-	-	-	-	-	-
Stock change	-	-	-	-	-	-	-	-
Primary supply	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Statistical difference	-	-	-	-	-	-	-	-
Primary demand	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Transfers	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Transformation	-	-	-	-	-	-	-	-
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Heat generation	-717	-1,486	-422	-22,009	-227	-23	-	-63
Petroleum refineries	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	**-**	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use								
Electricity generation	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Oil and gas extraction	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Petroleum refineries	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Coal extraction	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Coke manufacture	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Blast furnaces	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Patent fuel manufacture	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Pumped storage	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Other	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Final consumption								
Industry								
Unclassified	-	283	-	-	-	-	-	63
Iron and steel	-	1,203	422	185	11	-	-	-
Non-ferrous metals	81	-	-	-	-	-	-	-
Mineral products	-	-	-	-	-	-	-	-
Chemicals	299	-	-	4,817	23	1	-	-
Mechanical engineering etc	2	-	-	268	11	1	-	-
Electrical engineering etc	2	-	-	-	4	-	-	-
Vehicles	25	-	-	-	4	-	-	-
Food, beverages etc	29	-	-	1,035	38	1	-	-
Textiles, leather etc	2	-	-	-	-	-	-	-
Paper, printing etc	45	-	-	2,076	11	-	-	-
Other industries	68	-	-	2,576	57	12	-	-
Construction	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Transport								
Air	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-
National navigation	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-
Other								
Domestic	-	-	-	-	-	-	-	-
Public administration	163	-	-	6,017	57	5	-	-
Commercial	-	-	-	5,035	10	2	-	-
Agriculture	-	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-	-
Non energy use	-	-	-	-	-	-	-	-

J.1 Heat sold reallocation 2001

	ktonnes	GWh	GWh	GWh	ktonnes	ktonnes	ktonnes	ktoe
	Coal	**Coke oven gas**	**Blast furnace gas**	**Natural gas**	**Fuel oil**	**Gas oil**	**Propane**	**Solid waste**
Supply	-	-	-	-	-	-	-	-
Indigenous production	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-
Marine bunkers	-	-	-	-	-	-	-	-
Stock change	-	-	-	-	-	-	-	-
Primary supply	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Statistical difference	-	-	-	-	-	-	-	-
Primary demand	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Transfers	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Transformation	-	-	-	-	-	-	-	-
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Heat generation	-750	-1,875	-532	-23,586	-640	-31	-1	-72
Petroleum refineries	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	**-**	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use								
Electricity generation	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Oil and gas extraction	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Petroleum refineries	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Coal extraction	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Coke manufacture	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Blast furnaces	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Patent fuel manufacture	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Pumped storage	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Other	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Final consumption								
Industry								
Unclassified	-	357	-	-	-	-	1	72
Iron and steel	-	1,518	532	200	33	-	-	-
Non-ferrous metals	59	-	-	-	-	-	-	-
Mineral products	-	-	-	-	-	-	-	-
Chemicals	298	-	-	3,977	51	1	-	-
Mechanical engineering etc	3	-	-	365	31	2	-	-
Electrical engineering etc	1	-	-	-	12	-	-	-
Vehicles	17	-	-	-	11	-	-	-
Food, beverages etc	58	-	-	923	111	1	-	-
Textiles, leather etc	12	-	-	-	-	-	-	-
Paper, printing etc	44	-	-	1,838	31	-	-	-
Other industries	35	-	-	2,380	165	16	-	-
Construction	-	-	-	-	-	-	-	-
Transport								
Air	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-
National navigation	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-
Other								
Domestic	-	-	-	-	-	-	-	-
Public administration	223	-	-	7,649	166	7	-	-
Commercial	-	-	-	6,253	29	4	-	-
Agriculture	-	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-	-
Non energy use	-	-	-	-	-	-	-	-

J.1 Heat sold reallocation 2000

	ktonnes	GWh	GWh	GWh	ktonnes	ktonnes	ktonnes	ktoe
	Coal	**Coke oven gas**	**Blast furnace gas**	**Natural gas**	**Fuel oil**	**Gas oil**	**Propane**	**Solid waste**
Supply	-	-	-	-	-	-	-	-
Indigenous production	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-
Marine bunkers	-	-	-	-	-	-	-	-
Stock change	-	-	-	-	-	-	-	-
Primary supply	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Statistical difference	-	-	-	-	-	-	-	-
Primary demand	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Transfers	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Transformation	-	-	-	-	-	-	-	-
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Heat generation	-656	-1,810	-619	-24,891	-659	-33	-17	-95
Petroleum refineries	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	**-**	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use								
Electricity generation	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Oil and gas extraction	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Petroleum refineries	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Coal extraction	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Coke manufacture	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Blast furnaces	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Patent fuel manufacture	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Pumped storage	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Other	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Final consumption								
Industry								
Unclassified	-	141	-	-	-	-	17	95
Iron and steel	1	1,670	619	141	22	1	-	-
Non-ferrous metals	62	-	-	-	-	-	-	-
Mineral products	-	-	-	-	-	-	-	-
Chemicals	140	-	-	5,652	142	3	-	-
Mechanical engineering etc	5	-	-	211	21	2	-	-
Electrical engineering etc	1	-	-	-	14	-	-	-
Vehicles	34	-	-	-	11	-	-	-
Food, beverages etc	86	-	-	963	83	1	-	-
Textiles, leather etc	20	-	-	-	-	-	-	-
Paper, printing etc	44	-	-	2,525	27	-	-	-
Other industries	46	-	-	1,171	216	15	-	-
Construction	**-**	-	-	-	-	-	-	-
Transport								
Air	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-
National navigation	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-
Other								
Domestic	-	-	-	-	-	-	-	-
Public administration	217	-	-	7,898	92	7	-	-
Commercial	-	-	-	6,330	30	3	-	-
Agriculture	-	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-	-
Non energy use	-	-	-	-	-	-	-	-

J.1 Heat sold reallocation 1999

	ktonnes	GWh	GWh	GWh	ktonnes	ktonnes	ktonnes	ktoe
	Coal	**Coke oven gas**	**Blast furnace gas**	**Natural gas**	**Fuel oil**	**Gas oil**	**Propane**	**Solid waste**
Supply	-	-	-	-	-	-	-	-
Indigenous production	-	-	-	-	-	-	-	-
Imports	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-
Marine bunkers	-	-	-	-	-	-	-	-
Stock change	-	-	-	-	-	-	-	-
Primary supply	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Statistical difference	-	-	-	-	-	-	-	-
Primary demand	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Transfers	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Transformation	-	-	-	-	-	-	-	-
Electricity generation	-	-	-	-	-	-	-	-
Major power producers	-	-	-	-	-	-	-	-
Autogenerators	-	-	-	-	-	-	-	-
Heat generation	-649	-1,749	-1,109	-26,185	-657	-33	-16	-104
Petroleum refineries	-	-	-	-	-	-	-	-
Coke manufacture	-	-	-	-	-	-	-	-
Blast furnaces	-	-	-	-	-	-	-	-
Patent fuel manufacture	**-**	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Energy industry use								
Electricity generation	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Oil and gas extraction	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Petroleum refineries	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Coal extraction	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Coke manufacture	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Blast furnaces	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Patent fuel manufacture	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Pumped storage	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Other	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Losses	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Final consumption								
Industry								
Unclassified	-	53	-	-	-	-	16	104
Iron and steel	5	1,696	1,109	142	31	-	-	-
Non-ferrous metals	10	-	-	-	-	-	-	-
Mineral products	-	-	-	-	-	-	-	-
Chemicals	297	-	-	4,488	98	3	-	-
Mechanical engineering etc	9	-	-	65	29	2	-	-
Electrical engineering etc	3	-	-	-	10	-	-	-
Vehicles	29	-	-	-	16	-	-	-
Food, beverages etc	85	-	-	1,000	104	1	-	-
Textiles, leather etc	21	-	-	-	-	-	-	-
Paper, printing etc	45	-	-	3,500	34	-	-	-
Other industries	4	-	-	988	149	16	-	-
Construction	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Transport								
Air	-	-	-	-	-	-	-	-
Rail	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	-	-	-
National navigation	-	-	-	-	-	-	-	-
Pipelines	-	-	-	-	-	-	-	-
Other								
Domestic	-	-	-	-	-	-	-	-
Public administration	142	-	-	8,903	155	7	-	-
Commercial	-	-	-	7,100	32	4	-	-
Agriculture	-	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-	-
Non energy use	-	-	-	-	-	-	-	-

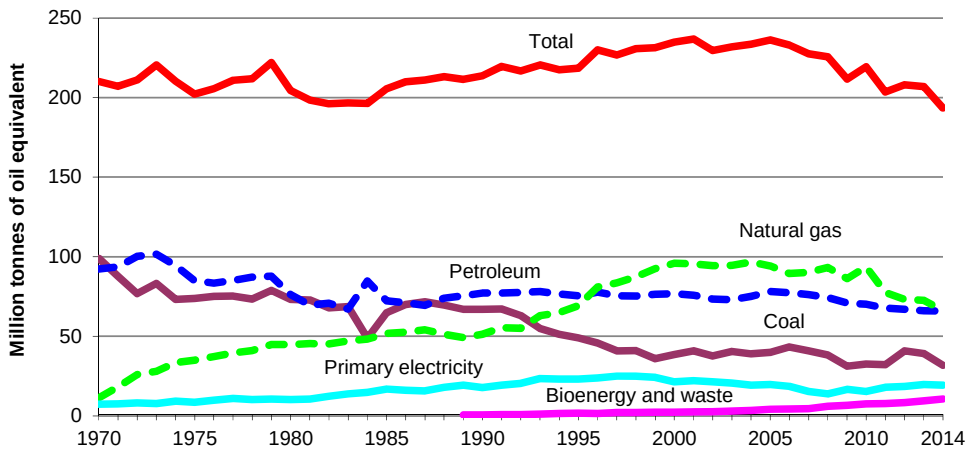
Chapter 1: Long term trends

Energy

Inland consumption of primary fuels (Table 1.1.1)

1.1.1 The trends in inland consumption of primary fuels for energy use are illustrated below in Chart 1.1.1. Overall consumption for energy use increased steadily up to 1973, when the oil price rose following the Arab-Israeli war of that year which led to a major change in patterns of fuel consumption. Having reached a level of over 220 million tonnes of oil equivalent in 1973, energy use subsequently fell, but by 1979 had returned to a similar level to that in 1973. After the outbreak of another Middle East war, consumption fell back to less than 200 million tonnes of oil equivalent in the years 1981 to 1984. It then grew again, and by 1996 had exceeded the peak levels of 1973 and 1979. In 2005 it had grown to 236.3 million tonnes, but has since fallen back by 18 per cent to 193.4 million tonnes in 2013. The last few years have been affected by a number of factors: the recession in 2009 reduced consumption; particularly cold weather in 2010 resulted in an increase in demand; whilst warm weather in both 2011 and 2014 have caused consumption to fall back. Since 2005, consumption has fallen back by an average of 2.2 per cent per annum.

Chart 1.1.1: Inland consumption of primary fuels and equivalents for energy use 1970 to 2014



1.1.2 Petroleum consumption continued to grow in the period 1970 to 1973, despite strong growth in consumption of natural gas and primary electricity, mainly nuclear. After 1973, consumption of petroleum products declined for ten years, following much the same pattern as coal use. In 2003 petroleum consumption had fallen to its lowest level since 1987, but consumption then rose, peaking in 2005, though it has since fallen back each year, and is now 16 per cent below its 2005 level.

1.1.3 Between 1970 and 1999 coal consumption declined at a fast rate down on average 3.4 per cent per year over that period. Consumption increased slightly into 2000 and then remained fairly steady until 2008, before falling back for the next three years as less coal was used in generation. In 2012, due to low coal prices compared to gas, generators demand for coal was up by almost a third resulting in overall coal demand being up by 27 per cent. Coal demand has since fallen back, though coal still accounts for a 30 per cent share of electricity generation. The kinks in the demand for coal and petroleum in 1984 are a result of the miner's strike of that year, when oil was used as a substitute for unavailable coal. In 1970 coal accounted for 47 per cent of all fuels consumed. In 1980 this figure had fallen to 36 per cent, in 1990 31 per cent, and in 2010 it had declined further to 15 per cent, though its share has since risen marginally to 16 per cent.

1.1.4 Natural gas consumption, which accounted for only 5.4 per cent of all fuels consumed in 1970, grew steadily from this period, and exceeded petroleum consumption for the first time in 1996; by 2004 it accounted for 41 per cent of all fuels consumed. This fell back in 2006 to 38 per cent as the sharp rise in prices in that year resulted in generators switching some gas fired electricity production to coal fired generation. In 2010, its share had risen back to a record level of 43 per cent as a number of generators, early in the year, switched back some production from using coal to gas fired stations, and there was increased domestic demand due to the colder weather. However, higher prices have since resulted in less use in generation, and its share of consumption fell back to 34 per cent in 2014.

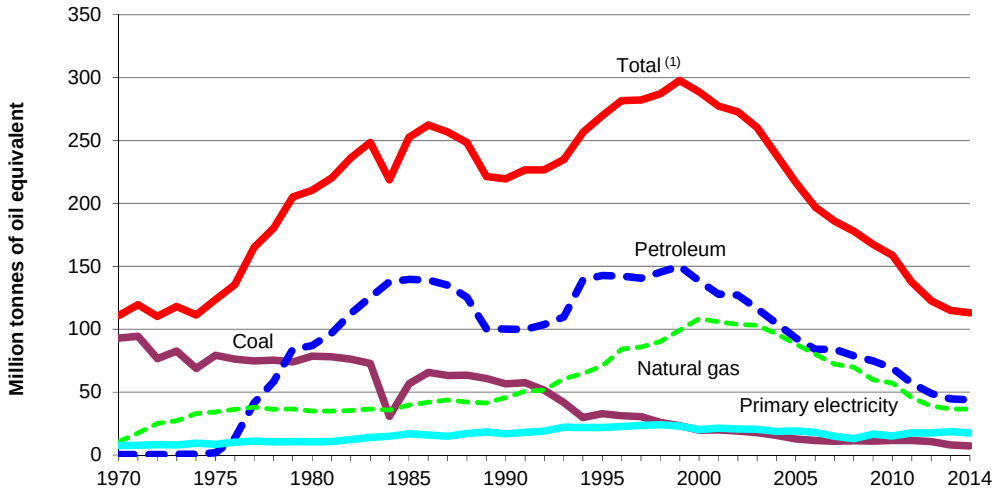
1.1.5 Consumption of bioenergy and waste continued to increase, accounting for 0.3 per cent of all fuels consumed in 1990, but increasing to 5.5 per cent in 2014[1]. The share of primary electricity peaked at 11 per cent in 1997, before falling back to a low of 6.2 per cent in 2008. Its share has since grown to 9.9 per cent in 2014, mainly due to increased wind production resulting from much increased capacity and though an increased level of net imports.

Availability and consumption of primary fuels and equivalents (Table 1.1.2)

1.1.6 An overall view of energy presented in the form of energy balances is given in Table 1.1.2. It is based on Chapter 1, Tables 1.1 to 1.3, of the main Digest with the time series extended back to 1970. Supplies and uses of energy are expressed on an energy-supplied basis in tonnes of oil equivalent, and are balanced by fuel type and for total energy. More details on the derivation of these balances and on the calculation of energy contents are given in Chapter 1, paragraphs 1.30 to 1.31 and Annex A of the main Digest.

1.1.7 Trends in the production of primary fuels in the United Kingdom are illustrated in Chart 1.1.2. In 2014, total energy production was 113 million tonnes of oil equivalent, an increase of 1.9 per cent on production in 1970, but down by 62 per cent since output peaked in 1999. Total energy production has fallen in each of the last 15 years. In the last ten years, UK energy production has declined at a rate of 7.2 per cent per year; within this natural gas production has declined at the fastest rate, down 9.2 per cent per year, followed by petroleum down 8.4 per cent, coal down 7.3 per cent with primary electricity down 0.7 per cent per year. Bioenergy and waste has grown by an average 9.8 per cent per year over this same time period, though in 2013 accounted for only 7.0 per cent of the UK's energy production.

Chart 1.1.2: UK production of primary fuels 1970 to 2014



(1) Includes bioenergy & waste and heat.

1.1.8 From 1975, petroleum production grew rapidly to peak at over 139 million tonnes of oil equivalent in 1985 when it accounted for 55 per cent of the total energy production of 252.5 million

[1] The renewables share was 7.0% in 2014 on the "renewable energy directive measure" – see chapter 6 of DUKES for more detail.

tonnes of oil equivalent. By 1991, temporary production problems, following the Piper Alpha disaster of 1988, had reduced petroleum production to 100 million tonnes of oil equivalent. Since then petroleum production steadily recovered, reaching a record level of 150 million tonnes of oil equivalent in 1999. Between 1999 and 2006 production of petroleum fell by 44 per cent. Production levels stabilised in 2007 as output from new fields (Buzzard) offset the general decline in production. However, output has since fallen by 48 per cent to leave it down 71 per cent from its peak in 1999. Petroleum production currently accounts for 39 per cent of total energy production.

1.1.9 Natural gas from the North Sea started to be produced in substantial quantities from the early 1970s, accounting for 9.4 per cent of total production in 1970, and grew steadily to peak at 108.4 million tonnes in 2000. Since then natural gas production has eased and by 2014 had fallen by 66 per cent from this peak. In 2014 gas accounted for 32 per cent of total energy production.

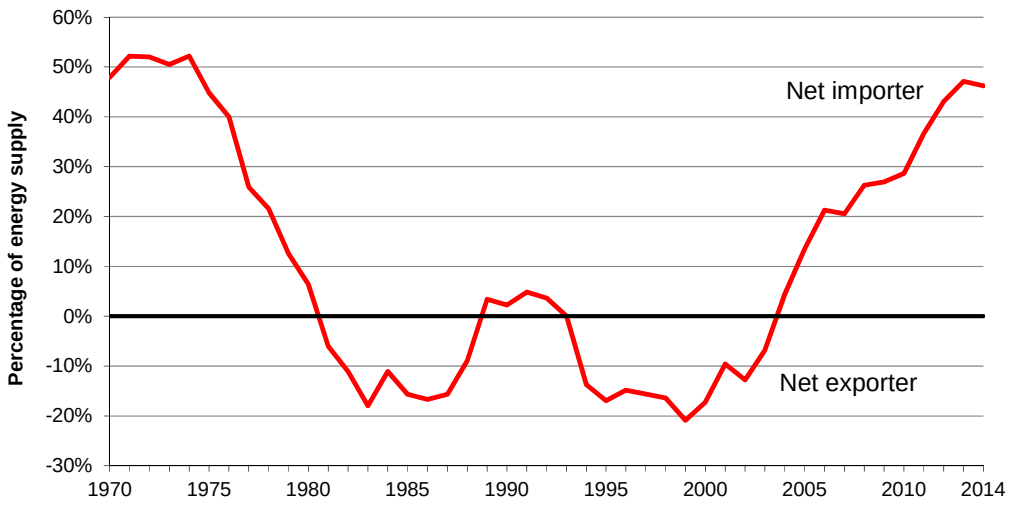
1.1.10 In 1970 coal accounted for 84 per cent of total energy production. In 1980, with the increase in petroleum and natural gas production, coal production fell to 37 per cent of total energy production, falling further to below 10 per cent in 1998. In 2014, following the closure of a number of mines, coal accounted for 6.5 per cent of total energy production.

1.1.11 Primary electricity (nuclear, wind and hydro combined) accounted for a then record 9.8 per cent of production in 2009, as nuclear output recovered from the outages of 2008, allied with strong growth in output of wind generation. Its share fell back marginally in 2010 as nuclear outages, lower average wind speeds and lower rainfall more than offset the increased wind capacity available. However, by 2013 the share had increased to a record 16.1 per cent, with increases in nuclear and wind, though fell back to a 15.5% share in 2014 due to outages at some nuclear plants. Output of primary electricity was down 27 per cent in 2013 from its peak in 1998.

Comparison of net imports of fuel with total consumption of primary fuels and equivalents (Table 1.1.3)

1.1.12 In Table 1.1.3 and Chart 1.1.3 gross fuel consumption in the United Kingdom, including non-energy use and international marine bunkers, is compared with net imports of fuel to show the UK's net import or net export dependency ratio. In the 1970's the UK was a net importer of energy.

Chart 1.1.3: Net import dependency 1970 to 2014

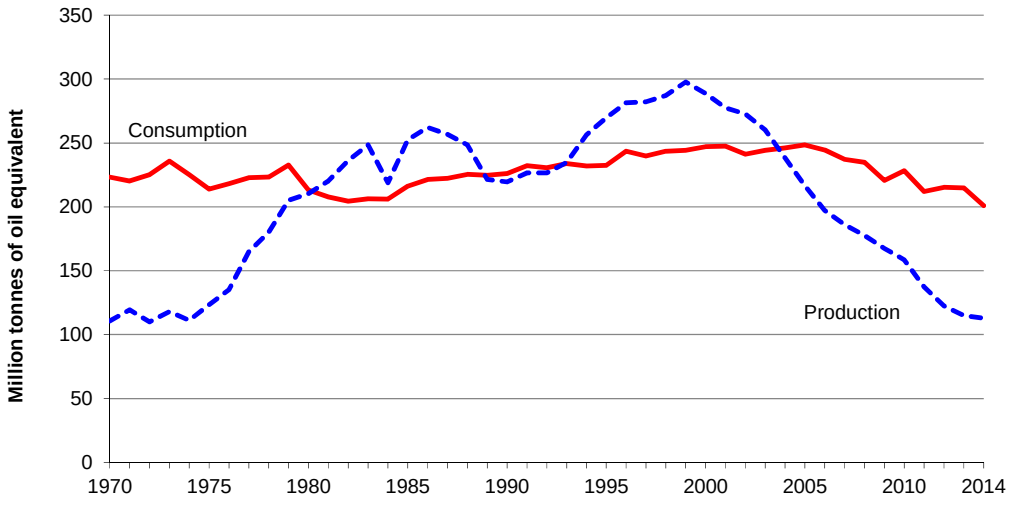


Following development of oil and gas production in the North Sea, the UK became a net exporter in 1981. Output fell back in the late 1980's following the Piper Alpha disaster, with the UK regaining a position as a net exporter in the mid 1990's. North Sea production peaked in 1999, and the UK returned to being an energy importer in 2004. In 2013 the UK became a net exporter of oil products, following closure of the Coryton refinery in 2012, and the UK is now a net importer of all fuels. In 2014, 46 per cent of energy used in the UK was imported, up sharply from the 2010 level as North

Sea oil and gas output fell following adverse weather conditions as well as a number of maintenance issues. The import dependency ratio is at its highest level since 1974.

1.1.13 Chart 1.1.4 shows United Kingdom primary energy production and consumption (from Tables 1.1.2 and 1.1.3) and also illustrates the degree to which the United Kingdom was dependent on energy imports prior to North Sea oil and gas becoming available.

Chart 1.1.4: UK energy production and consumption 1970 to 2014



Energy ratio (Table 1.1.4)

1.1.14 The relationship between energy consumption and economic activity at the aggregate level can be gauged by comparing a country's temperature corrected inland primary energy consumption with its gross domestic product (GDP). This approach is simple and comprehensive but it has a number of drawbacks which were discussed in the articles in the August 1976, May 1981 and May 1989 issues of *Economic Trends* (The Stationery Office). In September 2011 the methodology used by DECC was modified to move from using temperature deviations to a heating degree day methodology.

1.1.15 Heating degree days (HDD) are defined relative to a base temperature - the outside temperature above which a building needs no heating. DECC use 15.5° as the base data, as this seems the value most commonly used by other comparable countries, and a higher value did not produce appreciably better results. If the average outside air temperature on a given day is above this base temperature, you will not need to use any energy for heat; whilst if it is below, then your heat requirement that day will be in proportion to the temperature deficit in degrees. For example, using a base of 15.5°, if a day has an average temperature of 10°, then we calculate the HDD as 5.5. If the outside average temperature was minus 2°, then we would calculate the HDD as 17.5. The HDD's are summed for the month, and this value is then compared with the long term average. For example the long term average (from 1981 to 2010) for November is 248 HDD or 8.26 degrees per day. November 2009 and 2011 were mild, and the HDD was calculated as 212 and 179 HDD respectively, whilst the colder Novembers of 2010 and 2012 had 304 and 265 HDD. The above numbers are calculated based on the average daily temperature (the average of the maximum and the minimum temperature) at each of 17 locations around the UK. More details of the methodology are detailed in an article in the June 2011 edition of Energy Trends.

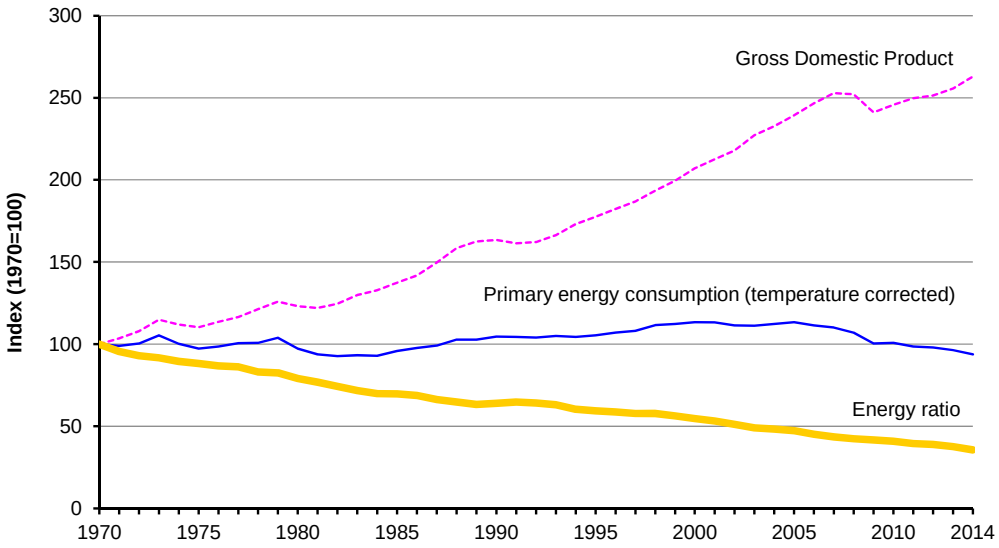
1.1.16 The temperature corrected series of total inland fuel consumption given in Table 1.1.4 indicates what annual consumption might have been if the number of heating degree days for a year had been the same as the average for the years 1981 to 2010. The long term averages were updated to cover this revised period in June 2013. Different adjustment factors are then used for each month for each fuel. Research showed that temperature extremes had more effect on energy demand in the spring and autumn than that in winter and summer. In particular April, September and October

showed the largest effects. In the summer, a 1 degree change may not be sufficient to result in additional heating being used. However, in October, a 1 degree difference may well be sufficient to result in heating being turned on or turned off, so resulting in a larger change.

1.1.17 Table 1.1.4 shows the United Kingdom's temperature corrected inland primary energy consumption in column B and GDP at constant prices since 1970 (column D), both expressed in absolute units (millions of tonnes of oil equivalent and billions of pounds sterling at 2010 prices respectively). Dividing energy consumption by GDP yields the energy ratio, which is expressed in column F of the table as energy consumed per million pound of GDP and in column G as an index number based on 1970=100. For GDP at constant prices the published measure of GDP at market prices at 2011 prices has been used. The GDP figures used are on the European System of Accounts (ESA 95) basis, consistent with the UK national accounts.

1.1.18 Chart 1.1.5 illustrates trends in primary energy consumption, GDP and the energy ratio over the period 1970 to 2014. It shows that energy ratio fell steadily (with the exception of 1979 and 1991) from its 1970 level to 36 per cent of that level by 2014, an average decrease of around 2.3 per cent per annum. The strong downward trend since 1970 is explained by at least four factors: improvements in energy efficiency; saturation in the ownership levels and improved efficiency of the main domestic appliances; the unresponsiveness of certain industrial uses, like space heating, to long run output growth; and a structural shift away from energy intensive activities (such as steel making) towards low energy industries (such as services).

Chart 1.1.5: Energy ratio since 1970



Energy consumption by final user (Table 1.1.5)

1.1.19 Figures for energy consumption (excluding non-energy use) by category of final users are given in Table 1.1.5. Final users' consumption is net of the fuel industries' own use and conversion, transmission and distribution losses, but it includes conversion losses by final users. The user categories are industry (including iron and steel), transport (including coastal shipping), domestic and other final users (public administration, agriculture, commerce and other sectors), see Chapter 1, paragraphs 1.56 to 1.60 of the main Digest.

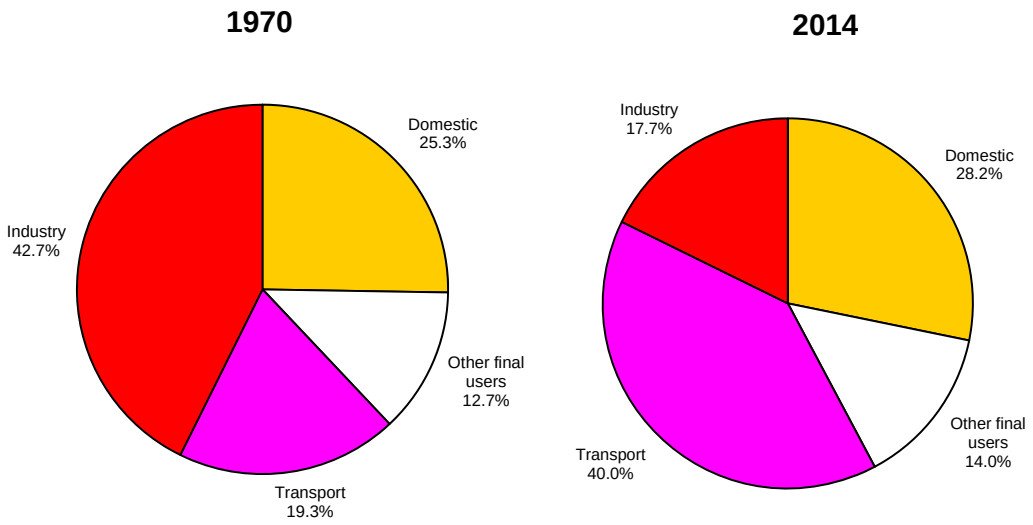
1.1.20 Up to 1986, data for final consumption of electricity include acquisitions from public supply, output of industrial nuclear stations, and amounts produced by transport undertakings and industrial hydropower for final consumption. From 1987 onwards, all consumption of electricity, whether produced by major power producers or by other generators, are included. There is a corresponding change in treatment, between 1986 and 1987, for other fuels used in electricity generation (see Chapter 1, paragraph 1.36 of the main Digest).

1.1.21 Overall consumption by final users has followed the same pattern as overall primary energy consumption since 1970, accounting for around 70 per cent of the total consumption throughout the period.

1.1.22 In 1970, the industry sector (including iron and steel) had the greatest level of consumption, with 43 per cent of total final energy consumption. However, since 1970 this sector has steadily reduced its consumption, falling to 34 per cent in 1980 and 26 per cent of total final consumption in 1990. It now stands at 18 per cent of total final consumption for energy use. This share is now less than that of the domestic sector which, has retained around the same share of around 30 per cent since 1980. In 2014 the domestic share fell back to 28 per cent due to the warmer weather. The greatest growth has been in the transport sector; this had a share of 19 per cent in 1970, before growing to 25 per cent in 1980, 33 per cent in 1990 and climbing to 40 per cent in 2014. Service sector consumption has remained steady from 1970 to 2014 and accounted for 14 per cent of total final consumption in 2014.

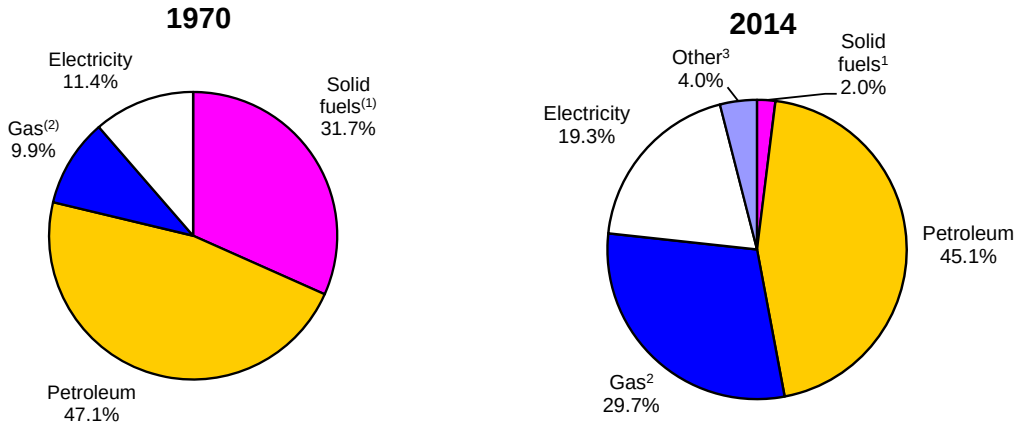
1.1.23 A comparison of energy consumption for energy purposes by final users in 1970 and 2014 is shown in Chart 1.1.6.

Chart 1.1.6: Energy consumption by final user



1.1.24 Table 1.1.5 also shows trends in final energy consumption for individual fuels. In 1970, consumption of coal and other solid fuels accounted for 32 per cent of final energy consumption, but this share has declined steadily to around 2 per cent in 2014. Over this period consumption of natural gas has increased rapidly, up from 10 per cent in 1970 to stand at 30 per cent in 2014. In 1970, town gas accounted for 7 per cent of consumption; however use of town gas was phased out in the mid 1970s. Electricity consumption has made steady progress over the last three decades, rising from 11 per cent of the total in 1970 to just under 20 per cent in 2014. Petroleum's share has remained broadly steady, with a 47 per cent share in 1970 falling back to 40 per cent in 1985, though this has since risen to 45 per cent in 2014. A comparison of final energy consumption for individual fuels in 1970 and 2014 is shown in Chart 1.1.7.

Chart 1.1.7: Final energy consumption by type of fuel



(1) *includes manufactured fuels and coke oven gas*
(2) *includes town gas*
(3) *includes heat sold, bioenergy and waste*

Expenditure on energy by final user (Table 1.1.6)

1.1.25 Total expenditure on fuels is presented in Table 1.1.6 from 1970, and figures for recent years are illustrated in Chapter 1, Chart 1.6 of the main Digest. Data for the latest years are taken from the value balances (Chapter 1, Tables 1.4 to 1.6 of the main Digest) whilst earlier years are taken from their forerunner tables of estimated values of energy purchases by sector. As before, coal purchased by the iron and steel sector and shown in the transformation section of the energy value balance table is included as a final purchase by the industry sector of coal.

1.1.26 Overall final expenditure on energy was down by £7.6 billion (1.8 per cent) in 2014 compared to 2013, as prices of petroleum fuels decreased following the sharp rises of 2010 and 2011 and demand for heating fuels fell. The level of £126 billion in 2014 is just under double that of 2000. The change in the final expenditure for all fuels over the past few years have mainly been driven by changes in the price of oil, which rose steadily throughout 2010 and into April 2011, before remaining at these elevated levels for the rest of the year and throughout 2013 before falling in 2014.

1.1.27 The makeup of total expenditure has changed through time, reflecting structural or long term changes in fuel mix and shorter term price and consumption effects. In 1970, expenditure on coal and coke accounted for around 15 per cent of total final expenditure, but was down to 1 per cent in 2014. By contrast, the general increase in the consumer price of petroleum (where duty is a major component) has meant that petroleum's share of expenditure rose from 45 per cent of all expenditure in 1970 to 64 per cent in 2004. This percentage has since fallen to 51 per cent in 2009, before rising to 57 per cent in the warm 2011, when spending on heating fuels was reduced due to the warm weather, and back to 54 per cent in 2014**.**

Mean air temperatures and heating degree days (Tables 1.1.7, 1.1.8 and 1.1.9)

1.1.28 Table 1.1.7 gives the average air temperatures in Great Britain between 1981 and 2010 by year, part year and month. Deviations from these means are presented for January 2000 to December 2014. Table 1.1.8 provides similar data, but for heating degree days rather than average temperatures. These heating degree deviations are used to provide the temperature corrected consumption series shown in Table 1.1.4.

1.1.29 Average monthly temperatures back to 1970 are also given in Table 1.1.9. The daily average temperature for 2014 was 1.2 degrees higher than the long term mean covering 1981 to 2010, and

was at a record level. In the previous few years a number of temperature records were also broken. The year 2010 was the coldest since 1987 and included the coldest December for 100 years. The year 2011, according to the Met Office, was the second warmest on record at the time and included the warmest April for over 100 years. Temperatures in both 2012 and 2013, despite being below those from 1997 through to 2009, were closer to the longer term thirty year average.

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1.1.1 Inland consumption of primary fuels and equivalents for energy use

		1970	1971	1972	1973	1974
In original units of measurement						
	Un					
Coal *(1)*	M.tonnes	156.9	139.3	122.4	133.0	117.9
Petroleum *(2)*	"	87.0	88.0	94.2	95.3	88.5
Natural gas *(3)*	GWh	131,472	212,037	300,808	325,455	389,286
Nuclear electricity *(4)*	"	26,039	27,418	29,275	27,757	33,377
Hydro electricity *(4)(5)*	"	4,539	3,397	3,429	3,874	4,095
Million tonnes of oil equivalent						
Coal *(1)*		99.0	87.7	76.8	83.2	73.3
Petroleum *(2)*		92.4	93.5	100.2	101.5	94.3
Natural gas *(3)*		11.3	18.2	25.9	28.0	33.5
Nuclear electricity *(4)*		7.0	7.4	7.9	7.5	9.0
Hydro electricity *(5)*		0.4	0.3	0.3	0.3	0.4
Total		210.1	207.1	211.0	220.5	210.4
Percentage shares (energy supplied basis)						
Coal		47.1	42.3	36.4	37.7	34.8
Petroleum		44.0	45.2	47.5	46.0	44.8
Natural gas		5.4	8.8	12.3	12.7	15.9
Nuclear electricity		3.3	3.6	3.7	3.4	4.3
Hydro electricity		0.2	0.1	0.1	0.2	0.2
Fossil fuel dependency (7)		96.5	96.3	96.2	96.4	95.5

		1975	1976	1977	1978	1979
In original units of measurement						
	Un					
Coal *(1)*	M.tonnes	120.0	122.0	122.7	119.9	129.6
Petroleum *(2)*	"	79.4	77.8	79.3	81.2	81.6
Natural gas *(3)*	GWh	407,750	432,661	459,858	477,002	521,197
Nuclear electricity *(4)*	"	30,215	35,570	39,575	37,065	38,062
Hydro electricity *(4)(5)*	"	3,789	4,552	3,919	4,038	4,289
Million tonnes of oil equivalent						
Coal *(1)*		73.7	75.0	75.3	73.3	78.8
Petroleum *(2)*		85.0	83.5	85.1	87.2	87.7
Natural gas *(3)*		35.1	37.2	39.5	41.0	44.8
Nuclear electricity *(4)*		8.1	9.6	10.6	10.0	10.2
Hydro electricity *(5)*		0.3	0.4	0.3	0.3	0.4
Total		202.2	205.6	210.9	211.8	221.9
Percentage shares (energy supplied basis)						
Coal		36.5	36.5	35.7	34.6	35.5
Petroleum		42.0	40.6	40.4	41.2	39.5
Natural gas		17.3	18.1	18.7	19.4	20.2
Nuclear electricity		4.0	4.6	5.0	4.7	4.6
Hydro electricity		0.2	0.2	0.2	0.2	0.2
Fossil fuel dependency (7)		95.8	95.2	94.8	95.2	95.2

		1980	1981	1982	1983	1984
In original units of measurement						
	Unit					
Coal *(1)*	M.tonnes	120.8	118.2	110.7	111.5	79.0
Petroleum *(2)*	"	70.5	64.2	65.2	61.7	78.6
Natural gas *(3)*	GWh	521,051	528,114	525,476	547,750	560,410
Nuclear electricity *(4)*	"	36,870	37,897	44,212	50,138	53,957
Hydro electricity *(4)(5)*	"	3,934	4,383	4,558	4,563	4,005
Million tonnes of oil equivalent						
Coal *(1)*		73.3	72.9	68.0	68.6	48.7
Petroleum *(2)*		76.2	69.5	70.7	67.2	84.7
Natural gas *(3)*		44.8	45.4	45.2	47.1	48.2
Nuclear electricity *(4)*		9.9	10.2	11.9	13.5	14.5
Hydro electricity *(4)(5)*		0.3	0.4	0.4	0.4	0.3
Total *(6)*		204.5	198.4	196.1	196.8	196.4
Percentage shares (energy supplied basis)						
Coal		35.8	36.7	34.7	34.9	24.8
Petroleum		37.3	35.0	36.0	34.2	43.1
Natural gas		21.9	22.9	23.0	23.9	24.5
Nuclear electricity		4.8	5.1	6.1	6.8	7.4
Hydro electricity		0.2	0.2	0.2	0.2	0.2
Fossil fuel dependency (7)		95.0	94.6	93.7	93.0	92.4

1.1.1 Inland consumption of primary fuels and equivalents for energy use

		1985	1986	1987	1988	1989
In original units of measurement						
	Un					
Coal *(1)*	M.tonnes	105.3	113.5	116.2	112.0	108.1
Petroleum *(2)*	"	66.5	65.3	63.5	67.8	69.0
Natural gas *(3)*	GWh	602,701	612,724	629,311	597,220	571,187
Nuclear electricity *(4)*	"	61,391	59,079	55,238	63,456	71,734
Hydro electricity *(4)(5)*	"	4,093	4,780	4,198	4,919	4,758
Net electricity imports	'	..	4,255	11,635	12,830	12,631
Million tonnes of oil equivalent						
Coal *(1)*		64.8	70.0	71.7	70.0	67.0
Petroleum *(2)*		72.2	71.1	69.4	74.0	75.4
Natural gas *(3)*		51.8	52.7	54.1	51.4	49.1
Nuclear electricity *(4)*		16.5	15.4	14.4	16.6	17.7
Hydro electricity *(4)(5)*		0.4	0.4	0.4	0.4	0.4
Net electricity imports		..	0.4	1.0	1.1	1.1
Bioenergy & waste		..	..	..	..	0.7
Total *(6)*		205.7	210.0	211.0	213.5	211.4
Percentage shares (energy supplied basis)						
Coal		31.5	33.3	34.0	32.8	31.7
Petroleum		35.1	33.9	32.9	34.7	35.7
Natural gas		25.2	25.1	25.6	24.1	23.2
Nuclear electricity		8.0	7.4	6.8	7.8	8.4
Hydro electricity		0.2	0.2	0.2	0.2	0.2
Net electricity imports		..	0.2	0.5	0.5	0.5
Bioenergy & waste		..	..	..	..	0.3
Fossil fuel dependency (7)		91.8	92.3	92.5	91.6	90.6

		1990	1991	1992	1993	1994
In original units of measurement						
	Unit					
Coal *(1)*	M.tonnes	108.4	107.6	101.1	87.4	82.1
Petroleum *(2)*	"	70.6	70.6	70.9	71.5	70.0
Natural gas *(3)*	GWh	595,131	643,863	640,459	732,090	754,284
Nuclear electricity *(4)*	"	65,749	70,543	76,807	76,807	89,353
Hydro electricity *(4)(5)*	"	5,216	4,635	5,465	5,465	4,521
Net electricity imports		11,943	16,408	16,694	16,716	16,887
Million tonnes of oil equivalent						
Coal *(1)*		66.9	67.1	63.0	55.0	51.3
Petroleum *(2)*		77.2	77.1	77.5	78.1	76.7
Natural gas *(3)*		51.2	55.4	55.1	62.9	64.9
Nuclear electricity		16.3	17.4	18.5	21.6	21.2
Hydro electricity *(5)*		0.4	0.4	0.5	0.5	0.4
Net electricity imports		1.0	1.4	1.4	1.4	1.5
Bioenergy & waste		0.7	0.7	0.8	1.2	1.6
Total *(6)*		213.6	219.5	216.7	220.7	217.5
Percentage shares (energy supplied basis)						
Coal		31.3	30.6	29.1	24.9	23.6
Petroleum		36.1	35.1	35.8	35.4	35.3
Natural gas		24.0	25.2	25.4	28.5	29.8
Nuclear electricity		7.6	7.9	8.5	9.8	9.7
Hydro electricity		0.2	0.2	0.2	0.2	0.2
Net electricity imports		0.5	0.6	0.7	0.7	0.7
Bioenergy & waste		0.3	0.3	0.4	0.5	0.7
Fossil fuel dependency (7)		91.4	90.9	90.2	88.8	88.7

		1995	1996	1997	1998	1999
In original units of measurement						
	Unit					
Coal *(1)*	M.tonnes	77.2	72.1	63.5	63.2	55.8
Petroleum *(2)*	"	68.9	71.3	68.7	68.6	69.7
Natural gas *(3)*	GWh	805,058	941,841	971,503	1,015,486	1,075,907
Nuclear electricity *(4)*	"	88,282	94,671	98,146	99,486	95,133
Hydro electricity *(4)(5)*	"	5,438	3,879	4,836	5,994	6,187
Net electricity imports		16,313	16,755	16,574	12,468	14,244
Million tonnes of oil equivalent						
Coal *(1)*		48.9	45.7	40.8	41.0	36.0
Petroleum *(2)*		75.4	77.8	75.5	75.4	76.4
Natural gas *(3)*		69.2	81.0	83.5	87.3	92.5
Nuclear electricity		21.3	22.1	23.1	23.4	22.4
Hydro electricity *(5)*		0.5	0.3	0.4	0.5	0.5
Net electricity imports		1.4	1.4	1.4	1.1	1.2
Bioenergy & waste		1.7	1.8	1.9	2.1	2.2
Total *(6)*		218.4	230.0	226.8	230.7	231.3
Percentage shares (energy supplied basis)						
Coal		22.4	19.9	18.0	17.8	15.6
Petroleum		34.5	33.8	33.3	32.7	33.0
Natural gas		31.7	35.2	36.8	37.8	40.0
Nuclear electricity		9.7	9.6	10.2	10.2	9.7
Hydro electricity		0.2	0.1	0.2	0.2	0.2
Net electricity imports		0.6	0.6	0.6	0.5	0.5
Bioenergy & waste		0.8	0.8	0.8	0.9	1.0
Fossil fuel dependency (7)		88.6	88.9	88.1	88.3	88.6

1.1.1 Inland consumption of primary fuels and equivalents for energy use

		2000	2001	2002	2003	2004
In original units of measurement						
	Unit					
Coal *(1)*	M.tonnes	59.7	63.5	58.8	63.5	61.3
Petroleum *(2)*	"	69.9	69.1	67.0	66.5	68.3
Natural gas *(3)*	GWh	1,114,942	1,111,363	1,097,031	1,100,616	1,123,922
Nuclear electricity *(4)*	"	85,063	90,093	87,848	88,686	79,999
Wind & Hydro electricity *(4)(5)*	"	6,032	5,020	6,047	4,516	6,783
Net electricity imports		14,174	10,399	8,414	2,160	7,490
Million tonnes of oil equivalent						
Coal *(1)*		38.5	40.8	37.7	40.5	39.1
Petroleum *(2)*		76.7	75.9	73.5	73.0	75.1
Natural gas *(3)*		95.9	95.6	94.3	94.6	96.6
Nuclear electricity		19.6	20.8	20.1	20.0	18.2
Wind & Hydro electricity *(5)*		0.5	0.4	0.5	0.4	0.6
Net electricity imports		1.2	0.9	0.7	0.2	0.6
Bioenergy & waste		2.3	2.5	2.8	3.1	3.5
Total *(6)*		234.8	236.9	229.6	231.9	233.6
Percentage shares (energy supplied basis)						
Coal		16.4	17.2	16.4	17.5	16.7
Petroleum		32.7	32.0	32.0	31.5	32.1
Natural gas		40.8	40.3	41.1	40.8	41.4
Nuclear electricity		8.4	8.8	8.8	8.6	7.8
Wind & Hydro electricity		0.2	0.2	0.2	0.2	0.2
Net electricity imports		0.5	0.4	0.3	0.1	0.3
Bioenergy & waste		1.0	1.1	1.2	1.3	1.5
Fossil fuel dependency (7)		89.9	89.6	89.5	89.8	90.2

		2005	2006	2007	2008	2009
In original units of measurement						
	Unit					
Coal *(1)*	M.tonnes	62.4	68.0	63.7	59.0	48.8
Petroleum *(2)*	"	71.3	70.4	69.6	67.9r	64.7r
Natural gas *(3)*	GWh	1,096,544	1,039,629	1,048,930	1,083,615	1,003,271
Nuclear electricity *(4)*	"	81,618	75,451	63,028	52,486	69,098
Wind & Hydro electricity *(4)(5)*	"	7,834	8,829	10,365	12,280r	14,530r
Net electricity imports		8,321	7,517	5,215	11,022r	2,861
Million tonnes of oil equivalent						
Coal *(1)*		39.9	43.4	41.0	38.2	31.2
Petroleum *(2)*		78.2	77.4	76.3	74.4r	70.9r
Natural gas *(3)*		94.3	89.4	90.2	93.2	86.3
Nuclear electricity		18.4	17.1	14.0	11.9	15.2
Wind & Hydro electricity *(5)*		0.7	0.8	0.9	1.1	1.2
Net electricity imports		0.7	0.6	0.4	0.9	0.2
Bioenergy & waste		4.2	4.4	4.7	6.0r	6.7r
Total *(6)*		236.3	233.1	227.5	225.6r	211.7r
Percentage shares (energy supplied basis)						
Coal		16.9	18.6	18.0	16.9r	14.7r
Petroleum		33.1	33.2	33.5	33.0r	33.5r
Natural gas		39.9	38.4	39.6	41.3r	40.7r
Nuclear electricity		7.8	7.3	6.2	5.3r	7.2r
Wind & Hydro electricity		0.3	0.3	0.4	0.5	0.6
Net electricity imports		0.3	0.3	0.2	0.4	0.1
Bioenergy & waste		1.8	1.9	2.0	2.7r	3.2r
Fossil fuel dependency (7)		89.9	90.1	91.2	91.2r	88.9r

		2010	2011	2012	2013	2014
In original units of measurement						
	Unit					
Coal *(1)*	M.tonnes	50.8r	50.4r	64.0r	60.8r	49.3
Petroleum *(2)*	"	64.2r	61.9	61.3r	60.5r	60.2
Natural gas *(3)*	GWh	1,088,519	902,924	852,152	845,222	766,902
Nuclear electricity *(4)*	"	62,140	68,980	70,405	70,607r	63,748
Wind & Hydro electricity *(4)(5)*	"	13,862r	21,576r	26,476r	35,118r	41,952
Net electricity imports		2,663	6,222	11,871	14,429	20,510
Million tonnes of oil equivalent						
Coal *(1)*		32.6r	32.2r	40.9r	39.1r	31.7
Petroleum *(2)*		70.2	67.8	67.0r	66.1r	65.8
Natural gas *(3)*		93.6	77.6	73.3	72.7	65.9
Nuclear electricity		13.9	15.6	15.2	15.4	13.8
Wind & Hydro electricity *(5)*		1.2	1.9r	2.3	3.0	3.6
Net electricity imports		0.2	0.5	1.0	1.2	1.8
Bioenergy & waste		7.6r	7.7r	8.3r	9.4r	10.7
Total *(6)*		219.4r	203.4r	208.0r	207.0r	193.4
Percentage shares (energy supplied basis)						
Coal		14.9	15.8r	19.7r	18.9r	16.4
Petroleum		32.0r	33.3r	32.2r	31.9r	34.0
Natural gas		42.7	38.2r	35.2r	35.1r	34.1
Nuclear electricity		6.3	7.7	7.3	7.5	7.2
Wind & Hydro electricity		0.5	0.9	1.1	1.5	1.9
Net electricity imports		0.1	0.3	0.5	0.6	0.9
Bioenergy & waste		3.5r	3.8r	4.0r	4.5r	5.5
Fossil fuel dependency (7)		89.5r	87.3r	87.1r	85.9r	84.5

(1) Includes other solid fuels.

(2) Excludes petroleum for non-energy use and marine bunkers.

(3) Includes colliery methane, non-energy use of natural gas up to 1988.

(4) Electricity generated i.e. including own use.

(5) Excludes pumped storage. Includes generation at wind stations from 1988.

(6) Following the introduction of the energy balance presentation it has been possible to separately identify the losses from the statistical difference for gas and electricity, bringing them onto the same basis as other fuels. This has been accounted for in the total from 1994 onwards.

(7) Fossil fuel share of energy consumption

1.1.2 Availability and consumption of primary fuels and equivalents (energy supplied basis)

Thousand tonnes of oil equivalent

	Available supply												
	Production					Imports					Exports		
	Coal	Petroleum (1)	Natural gas (2)	Primary electricity (3)	Total (4)	Coal (5)	Petroleum (6)	Natural gas	Elec-tricity	Total	Coal (5)	Petroleum (6)	Total (7)
1970	92,792	166	10,461	7,388	110,807	81	131,142	839	48	132,109	2,620	19,762	22,381
1971	94,178	227	17,384	7,661	119,450	2,887	136,359	836	10	140,092	2,048	20,024	22,071
1972	76,484	358	25,084	8,163	110,089	3,408	138,253	771	40	142,472	1,433	21,160	22,593
1973	82,636	400	27,235	7,793	118,064	1,214	144,117	738	5	146,074	2,131	22,026	24,157
1974	68,630	438	32,847	9,322	111,237	2,317	136,472	612	5	139,407	2,149	17,283	19,432
1975	79,172	1,675	34,203	8,446	123,496	3,209	111,703	844	8	115,763	1,975	16,517	18,492
1976	75,988	13,114	36,221	9,951	135,274	2,010	108,818	967	-	111,796	1,506	21,671	23,177
1977	74,769	41,186	37,845	10,973	164,773	1,761	90,004	1,680	-	93,445	1,753	33,112	34,865
1978	75,479	58,184	36,241	10,308	180,212	1,736	85,815	4,758	-	92,309	2,164	41,289	43,460
1979	74,028	83,966	36,596	10,598	205,188	3,169	77,903	8,323	-	89,394	2,025	57,607	59,632
1980	78,502	86,911	34,790	10,247	210,450	5,030	60,385	9,995	-	75,411	3,320	58,385	61,705
1981	78,008	96,941	34,712	10,562	220,223	3,192	50,040	10,681	-	63,912	6,884	69,615	76,500
1982	76,069	112,519	35,281	12,274	236,143	3,360	49,944	9,885	-	63,189	5,693	80,595	86,288
1983	72,696	125,482	36,379	13,866	248,423	3,713	43,543	10,701	-	57,957	4,844	90,608	95,452
1984	30,719	137,646	35,563	14,845	218,773	7,980	59,146	12,606	-	79,731	1,668	101,289	102,957
1985	56,572	139,404	39,679	16,851	252,506	9,482	52,577	12,645	-	74,703	2,441	106,602	109,043
1986	65,592	139,084	41,717	15,839	262,232	7,794	57,610	11,784	366	77,553	2,615	112,166	114,796
1987	63,189	135,071	43,674	14,797	256,731	7,363	54,305	11,079	1,000	73,746	1,872	107,108	108,980
1988	63,303	125,469	42,059	16,990	248,469	9,270	58,254	9,922	1,103	78,550	1,595	97,266	98,861
1989	60,882	100,373	41,188	18,150	221,320	8,840	64,153	9,784	1,163	83,941	1,738	74,434	76,249
1990	56,443	100,104	45,480	16,706	219,446	10,271	69,217	6,866	1,031	87,385	1,880	80,408	82,293
1991	57,555	99,890	50,638	17,830	226,669	13,493	72,942	6,193	1,412	94,040	1,526	81,105	82,632
1992	51,514	103,734	51,494	18,924	226,547	13,955	74,025	5,268	1,438	94,686	854	85,245	86,155
1993	41,588	109,613	60,542	21,969	234,882	13,103	77,612	4,173	1,438	96,326	954	95,312	96,854
1994	29,704	138,937	64,636	21,670	256,559	10,840	68,680	2,843	1,452	83,815	1,098	114,083	116,003
1995	32,751	142,746	70,807	21,735	269,738	11,615	63,341	1,673	1,405	78,034	889	116,001	117,859
1996	31,135	142,079	84,180	22,393	281,559	13,141	64,347	1,703	1,444	80,635	896	114,909	117,115
1997	30,303	140,443	85,887	23,535	282,082	14,400	63,813	1,209	1,429	80,850	1,061	115,815	118,743
1998	25,757	145,263	90,186	23,950	287,233	15,371	64,696	910	1,083	82,061	931	118,896	122,556
1999	23,219	150,160	99,109	22,942	297,655	14,039	64,085	1,106	1,247	80,476	774	123,920	131,976
2000	19,551	138,282	108,397	20,153	288,690	16,079	74,812	2,238	1,230	94,359	813	123,923	137,330
2001	19,969	127,828	105,870	21,227	277,426	23,565	77,235	2,619	917	104,337	679	115,680	128,277
2002	18,808	127,037	103,646	20,619	272,864	18,995	78,348	5,201	790	103,334	667	120,758	134,451
2003	17,636	116,242	102,996	20,428	260,310	21,396	77,062	7,420	440	106,430	530	107,201	123,208
2004	15,594	104,547	96,411	18,746	238,378	24,182	88,394	11,439	841	125,258	572	103,621	114,202
2005	12,714	92,883	88,219	19,044	216,541	29,157	88,805	14,904	960	134,312	509	91,503	100,527
2006	11,418	83,958	80,012	17,889	197,246	33,363	94,233	20,983	884	150,013	462	86,280	97,446
2007	10,697	83,912	72,125	14,927	185,970	28,928	90,153	29,065	741	149,340	589	88,430	100,011
2008	11,305	78,715r	69,681	12,965r	177,706r	29,249	91,784	35,012	1,057	158,076	607	84,117r	95,381r
2009	11,039	74,739	59,732	16,478r	167,396r	25,100	84,256r	39,333	568	150,565r	616	77,367r	90,139r
2010	11,425r	68,983	57,195	15,117r	158,580r	17,810	85,935	50,950	614	157,238	906	74,411r	91,059r
2011	11,532r	56,902	45,289	17,480r	137,264r	21,432	88,239	50,600	747	162,873	725	67,069r	83,985r
2012	10,583r	48,756	38,925	17,482r	122,591r	29,209	94,778r	47,250	1,182	174,143r	761	66,515r	80,126r
2013	7,973r	44,468	36,523	18,462r	114,908r	32,715	96,196r	46,011	1,508	178,596r	530	65,656r	76,129r
2014	7,289	43,705	36,583	17,457	112,910	27,958	90,634	41,029	1,997	164,770	399	58,713	70,704

(1) Crude oil plus all condensates and petroleum gases extracted at gas separation plants.
(2) Includes colliery methane.
(3) Nuclear and natural flow hydro electricty excluding generation of pumped storage stations. From 1988 includes generation at wind stations.
(4) Includes solar and geothermal heat, solid renewable sources (wood, waste, etc), and gaseous renewable sources (landfill gas, sewage gas) from 1988.
(5) Includes other solid fuels.
(6) Crude and process oils and petroleum products.
(7) Includes exports of natural gas and electricity.

1.1.2 Availability and consumption of primary fuels and equivalents (energy supplied basis)

Thousand tonnes of oil equivalent

	Marine Bunkers	Stock changes (8)			Statistical Difference (9)			**Gross inland consumption**	Non-energy use	Inland consumption for energy use				
	Petroleum	Coal (5)	Petroleum (6)	Natural gas	Coal (5)	Petroleum (6)	Total (13)	(14)	(10)	Coal (5)	Petroleum (6)	Natural gas (2)(11)	Primary electricity (3)(12)	Total (4)
1970	+5,721	+8,542	-680	..	+199	+466	+665	223,341	10,859	98,994	92,366	11,300	7,435	210,095
1971	+5,874	-7,046	-3,489	..	-239	-652	-891	220,170	10,839	87,732	93,543	18,220	7,672	207,167
1972	+5,265	-1,370	+2,904	..	-242	-887	-1,129	225,109	11,474	76,847	100,212	25,855	8,203	211,117
1973	+5,769	+1,456	+458	..	+60	-340	-280	235,847	12,635	83,235	101,501	27,974	7,797	220,507
1974	+4,922	+4,839	-5,139	..	-360	-514	-874	225,116	12,865	73,278	94,327	33,460	9,326	210,391
1975	+3,572	-6,489	+3,660	..	-202	-395	-597	213,769	10,255	73,716	84,963	35,060	8,453	202,192
1976	+3,698	-1,597	-348	..	+121	-254	-133	218,116	10,925	75,016	83,480	37,188	9,951	205,635
1977	+2,942	+600	+2,466	..	-113	-557	-670	222,806	10,517	75,263	85,110	39,526	10,973	210,872
1978	+2,733	-1,368	-814	..	-363	-569	-932	223,214	10,245	73,321	87,177	40,999	10,301	211,798
1979	+2,789	+3,600	-2,229	..	+43	-806	-763	232,768	10,232	78,814	87,681	44,919	10,597	222,011
1980	+2,562	-6,789	+40	..	-171	-1,567	-1,738	213,118	7,464	73,263	76,197	44,785	10,247	204,492
1981	+2,156	-2,013	+3,882	..	+562	-154	+408	207,756	8,111	72,865	69,539	45,392	10,564	198,360
1982	+2,715	-5,660	+2,305	..	-118	-2,315	-2,433	204,540	8,134	67,958	70,671	45,166	12,274	196,069
1983	+2,118	-3,209	+1,010	..	+234	-544	-310	206,290	8,625	68,590	67,228	47,080	13,866	196,764
1984	+2,370	+11,842	+922	..	-136	+247	+111	206,052	8,847	48,738	84,651	48,168	14,845	196,402
1985	+2,239	+1,461	+297	-521	-249	-731	-980	216,184	9,230	64,824	72,179	51,803	16,851	205,657
1986	+2,212	-1,889	+338	-836	+1,126	-83	+1,043	221,432	10,247	70,008	71,148	52,665	16,189	210,010
1987	+1,756	+3,396	+338	-662	-355	-146	-501	222,311	10,290	71,721	69,431	54,090	15,796	211,038
1988	+1,932	-1,547	+1,272	-637	+189	-111	+78	225,392	10,970	69,621	74,042	51,352	18,083	213,098
1989	+2,525	-1,787	-628	-281	+817	+159	+976	224,767	12,039	67,014	75,399	49,113	19,236	211,433
1990	+2,666	+891	+1,049	+108	+1,229	+990	+2,219	226,139	11,252	66,954	77,159	51,187	17,733	213,687
1991	+2,618	-3,402	-851	-273	+947	+448	+1,395	232,330	12,184	67,067	77,137	55,362	19,240	219,505
1992	+2,688	-2,439	+709	-348	+884	-647	+237	230,549	12,890	63,060	77,492	55,080	20,359	216,815
1993	+2,618	+766	-631	+84	+411	+1,597	+2,008	233,964	13,012	54,913	78,126	62,948	23,406	220,564
1994	+2,451	+11,055	+454	+233	+772	-1,668	-87	231,956	13,521	51,272	76,668	64,857	23,087	217,491
1995	+2,602	+5,088	+1,122	+820	+820	-426	+1,752	232,458	13,735	48,924	75,421	69,236	23,116	218,421
1996	+2,813	+2,521	-315	-236	+165	-1,814	+701	243,535	13,547	45,738	77,819	80,984	23,833	229,988
1997	+3,121	-2,389	+320	-354	+462	-1,784	-1,048	239,694	12,879	40,792	75,483	83,534	24,960	226,814
1998	+3,257	+773	-741	-32	+39	-692	-38	243,480	12,737	40,970	75,357	87,316	25,023	230,743
1999	+2,471	-491	+428	+670	-669	+1,190	+715	244,291	12,963	35,993	76,433	92,511	24,166	231,328
2000	+2,208	+3,723	+807	-952	-234	+783	+920	247,090	12,283	38,541	76,720	95,868	21,372	234,807
2001	+2,433	-2,077	-1,333	-57	-196	+486	+569	247,586	10,732	40,778	75,863	95,560	22,121	236,855
2002	+2,044	+564	+1,514	-633	+154	-490	-99	241,149	11,544	37,699	73,480	94,328	21,342	229,605
2003	+1,879	+1,979	+217	+304	-146	-451	-273	244,152	12,285	40,482	73,017	94,636	20,614	231,867
2004	+2,221	-139	-476	-536	-51	-227	-6	246,062	12,429	39,065	75,056	96,640	19,390	233,633
2005	+2,180	-1,503	+1,677	+114	+17	+344	+390	248,435	12,145	39,859	78,217	94,286	19,760	236,290
2006	+2,486	-961	-1,325	-553	-156	-12	-146	244,488	11,415	43,358	77,365	89,392	18,536	233,073
2007	+2,513	+1,926	+2,038	+471	-1	-202	-221	237,221	9,729	40,961	76,310	90,192	15,376	227,492
2008	+3,663	-1,787	+115r	-265	+144	+6r	+221r	234,801r	9,163r	38,160	74,376r	93,174	13,912r	225,638r
2009	+3,485	-4,195	+959	-419	-50	-63r	-284r	220,683r	8,971r	31,196	70,855r	86,266	16,724r	211,711r
2010	+2,956	+4,432	+605	+1,313	+626r	+20r	+608r	228,153r	8,762r	32,616r	70,235r	93,596	15,346r	219,391r
2011	+3,287	+149	+877	-1,945	-23r	-314r	-374r	211,946r	8,497r	32,247r	67,819r	77,638	18,015r	203,449r
2012	+2,812	+2,021r	-386	-23	+215r	-237r	-231r	215,407r	7,449r	40,919r	67,000r	73,272	18,502r	207,958r
2013	+2,691	-897r	+875	+53	-198r	-173r	-298r	214,715r	7,749r	39,121r	66,066r	72,676	19,702r	206,966r
2014	+2,484	-2,981	-338	-205	-71	-255	-449	200,966	7,561	31,731	65,847	65,942	19,220	193,405

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

(9) Recorded demand minus supply.

(10) Petroleum products for feedstock for petrochemical plants, industrial and white spirits, lubricants bitumen and wax. Also includes miscellaneous petroleum products mainly for inland consumption but excludes small quantities derived from coal. From 1989 also includes estimated quantities of natural gas used for non-energy purposes. Data for non-energy use of natural gas can be found in Chapter 1,Tables 1.1 to 1.3 and Chapter 4, Tables 4.1 and 4.2.

(11) Includes non-energy use of natural gas up to 1988. (See footnote 10).

(12) Includes net imports of electricity.

(13) As of 1994 this total includes the statistical differences for electricity and natural gas.

(14) Equivalent to primary demand as in Chapter 1, Tables 1.1 to 1.3.

1.1.3 Comparison of net imports of fuel with total consumption of primary fuels and equivalents

	Gross inland consumption of primary fuels *(1)* plus marine bunkers (A)	Net imports (+) /net exports (-) of fuels (B)	Import dependency *(2)* (C)	Export ratio *(3)* (D)
	Million tonnes of oil equivalent		Per cent	
1970	229.1	109.7	47.9	-
1971	226.0	118.0	52.2	-
1972	230.4	119.9	52.0	-
1973	241.6	121.9	50.5	-
1974	230.0	120.0	52.2	-
1975	217.3	97.3	44.8	-
1976	221.8	88.6	40.0	-
1977	225.7	58.6	25.9	-
1978	225.9	48.8	21.6	-
1979	235.6	29.8	12.6	-
1980	215.7	13.7	6.4	-
1981	209.9	-12.6	-	6.0
1982	207.3	-23.1	-	11.1
1983	208.4	-37.5	-	18.0
1984	208.4	-23.2	-	11.1
1985	218.4	-34.3	-	15.7
1986	223.6	-37.2	-	16.7
1987	224.1	-35.2	-	15.7
1988	227.3	-20.3	-	8.9
1989	227.3	7.7	3.4	-
1990	228.8	5.1	2.2	-
1991	234.9	11.4	4.9	-
1992	233.2	8.5	3.7	-
1993	236.6	-0.5	-	0.2
1994	234.4	-32.2	-	13.7
1995	235.1	-39.8	-	16.9
1996	246.3	-36.5	-	14.8
1997	242.8	-37.9	-	15.6
1998	246.7	-40.5	-	16.4
1999	246.8	-51.5	-	20.9
2000	249.3	-43.0	-	17.2
2001	250.0	-23.9	-	9.6
2002	243.2	-31.1	-	12.8
2003	246.0	-16.8	-	6.8
2004	248.3	11.1	4.5	-
2005	250.6	33.8	13.5	-
2006	247.0	52.6	21.3	-
2007	239.7	49.3	20.6	-
2008	238.5r	62.7r	26.3r	-
2009	224.2r	60.4r	27.0r	-
2010	231.1r	66.2r	28.6r	-
2011	215.2r	78.9r	36.7	-
2012	218.2r	94.0r	43.1	-
2013	217.4r	102.5r	47.1	-
2014	203.5	94.1	46.2	-

(1) Includes non-energy use. Equivalent to primary supply plus marine bunkers.

(2) Import dependency (C) = $\frac{\text{Net imports (B) x 100}}{\text{(A)}}$

(3) Export ratio (D) = $\frac{\text{Net exports (B) x 100}}{\text{(A)}}$

1.1.4 Primary energy consumption, gross domestic product and the energy ratio[(1)]

	Total inland consumption of primary energy (temperature corrected)	Gross domestic product at market prices (2011 prices)	Energy ratio *(2)*	
	Million tonnes of oil equivalent *(A)*	£ billion *(B)*	Tonnes of oil equivalent per £1 million GDP *(C)*	Index 1970 = 100
1970	211.9	647.6	327.2	100.0
1971	209.7	670.1	312.9	95.6
1972	212.6	698.4	304.4	93.0
1973	223.1	744.1	299.8	91.6
1974	212.4	725.4	292.8	89.5
1975	206.0	714.1	288.5	88.2
1976	208.9	735.7	283.9	86.8
1977	213.1	754.9	282.3	86.3
1978	213.7	786.0	271.9	83.1
1979	220.0	814.9	270.0	82.5
1980	206.2	797.3	258.6	79.0
1981	198.7	790.5	251.4	76.8
1982	196.3	806.9	243.3	74.3
1983	197.5	840.8	234.9	71.8
1984	196.7	859.8	228.8	69.9
1985	203.1	890.3	228.1	69.7
1986	206.8	918.4	225.2	68.8
1987	210.0	969.4	216.6	66.2
1988	217.7	1,026.9	212.0	64.8
1989	217.8	1,052.7	206.9	63.2
1990	221.6	1,058.4	209.4	64.0
1991	221.4	1,045.3	211.8	64.7
1992	220.6	1,050.0	210.1	64.2
1993	222.5	1,077.7	206.4	63.1
1994	221.5	1,121.1	197.6	60.4
1995	223.3	1,149.5	194.3	59.4
1996	226.8	1,180.2	192.2	58.7
1997	228.9	1,210.3	189.2	57.8
1998	236.6	1,252.8	188.9	57.7
1999	238.0	1,292.2	184.2	56.3
2000	240.2	1,340.9	179.1	54.7
2001	239.9	1,376.7	174.3	53.3
2002	236.2	1,410.4	167.5	51.2
2003	235.6	1,471.1	160.2	48.9
2004	238.2	1,507.2	158.0	48.3
2005	240.4	1,549.5	155.1	47.4
2006	236.0	1,596.6	147.8	45.2
2007	233.4	1,637.4	142.5	43.6
2008	226.9r	1,632.0	139.0	42.5
2009	212.9r	1,561.6	136.3	41.7
2010	213.4r	1,591.5	134.1	41.0
2011	209.0r	1,617.7	129.2	39.5
2012	207.9r	1,628.3	127.7	39.0
2013	204.1r	1,655.4	123.3	37.7
2014	198.7	1,702.2	116.5	35.6

(1) See paragraphs 1.1.14 to 1.1.18.

(2) Energy ratio (C) = $\frac{(A)}{(B)}$

1.1.5 Energy consumption by final user (energy supplied basis)(1)

Thousand tonnes of oil equivalent

	Industry (2)										
	Coal	Coke and breeze (3)	Other solid fuels(4)	Coke oven gas	Town gas	Natural gas (5)	Electricity	Heat sold	Bioenergy & waste	Petroleum	Total (3)
1970	12,681	9,655	209	1,164	1,778	1,788	6,275	..	..	28,397	**62,333**
1971	10,232	8,298	176	1,118	1,038	5,194	6,313	..	..	28,130	**60,746**
1972	7,675	7,832	252	1,111	1,154	8,136	6,292	..	..	28,674	**61,307**
1973	7,950	8,340	226	1,290	788	10,791	6,884	..	..	28,691	**65,149**
1974	7,290	7,167	201	975	494	12,320	6,517	..	..	24,968	**60,058**
1975	6,373	6,338	199	1,038	222	12,555	6,479	..	..	22,145	**55,444**
1976	5,902	7,129	131	1,091	68	14,237	6,950	..	..	21,966	**57,584**
1977	5,947	6,368	158	1,010	30	14,940	7,053	..	..	21,978	**57,574**
1978	5,627	5,932	179	899	15	15,149	7,222	..	..	21,570	**56,673**
1979	6,081	6,512	148	977	18	15,663	7,527	..	..	21,590	**58,564**
1980	5,083	3,335	133	642	13	15,258	6,854	..	..	16,938	**48,291**
1981	4,534	4,564	116	665	13	14,489	6,622	..	..	14,761	**45,776**
1982	4,668	4,083	144	605	8	14,588	6,353	..	..	13,530	**44,007**
1983	4,708	4,307	126	635	5	14,021	6,376	..	..	11,988	**42,191**
1984	3,796	4,408	68	537	5	14,686	6,758	..	..	10,859	**41,138**
1985	4,708	4,655	151	768	3	14,865	6,837	..	..	9,701	**41,702**
1986(11)	5,242	4,144	98	778	3	13,542	6,884	..	..	10,240	**40,931**
1987	4,048	4,660	80	821	3	14,137	8,005	..	..	8,456	**40,211**
1988	4,166	5,041	55	771	-	12,883	8,350	..	100	9,441	**40,807**
1989	4,489	4,286	30	613	-	12,515	8,550	..	102	8,820	**39,405**
1990	4,172	3,951	42	602	-	12,889	8,655	..	107	8,242	**38,660**
1991	4,270	3,691	14	570	-	12,311	8,563	..	109	8,729	**38,257**
1992	4,375	3,601	14	534	-	11,380	8,194	..	279	8,334	**36,711**
1993	3,553	3,613	7	560	-	11,521	8,328	..	266	8,592	**36,440**
1994	3,402	3,818	194	590	-	12,885	8,082	..	487	8,253	**37,711**
1995	2,840	3,750	184	576	-	12,680	8,654	..	526	7,066	**36,276**
1996	1,959	855	233	439	-	14,081	9,004	..	533	7,058	**34,470**
1997	1,963	787	249	457	-	14,754	9,189	..	532	6,315	**34,577**
1998	1,607	803	243	385	-	15,140	9,216	..	461	6,379	**34,512**
1999	1,353	820	215	205	-	15,203	9,542	1,086	283	5,374	**34,222**
2000	1,228	753	225	216	-	15,773	9,812	1,099	264	6,039	**35,506**
2001	1,195	719	210	154	-	15,464	9,573	1,001	243	6,611	**35,443**
2002	1,186	610	170	78	-	14,202	9,473	1,321	250	6,248	**33,764**
2003	1,248	589	166	53	-	14,292	9,396	1,128	267	6,899	**34,074**
2004	1,235	559	180	67	-	13,238	9,584	832	265	6,918	**32,912**
2005	1,180	535	171	79	-	13,022	9,976	831	201	6,282	**32,303**
2006	1,164	488	178	106	-	12,428	9,879	809	213	6,099	**31,442**
2007	1,268	513	177	101	-	11,466	9,699	896	276	6,095	**30,540**
2008	1,296	443	174	92	-	9,863	9,815	1,021	414	5,895	**29,053r**
2009	1,152	387	20	49	-	7,847	8,576	763	415	5,152	**24,389r**
2010	1,311r	339	17	97	-	8,506	8,987	822	449	5,482	**26,098r**
2011	1,194	306	17	59	-	8,127	8,801	769	506r	4,500	**24,344**
2012	1,212	375r	17	43r	-	7,870	8,442r	766	459r	4,669r	**23,879r**
2013	1,430r	504r	15	62r	-	7,997r	8,398r	921r	573r	4,324r	**24,236r**
2014	1,496	483	14	54	-	7,953	8,029	896	702	4,348	**23,986**

(1) Excluding non-energy use of fuels.

(2) Includes the iron and steel industry, but from 1994 onwards excludes iron and steel use of fuels for transformation and energy industry own use purposes.

(3) Blast furnace gas is included in coke and breeze up to 1995 and covers electricity transformation, use by ovens and losses. From 1996 onwards, blast furnace gas is included in the total and covers just coke ovens and losses, which is consistent with the methodology used for compiling the energy balances.

(4) Includes, from 1994, manufactured liquid fuels.

(5) Includes colliery methane. Up to 1988 also includes non-energy use of natural gas.

1.1.5 Energy consumption by final user (energy supplied basis)[1] (continued)

Thousand tonnes of oil equivalent

	Transport											
	Rail				Road				Water		Air	
	Coal	Coke and breeze	Electricity (6)	Petroleum	Electricity	Petroleum	Bioenergy & waste	Coal derived fuel	Coal	Petroleum	Petroleum	Total (7)
1970	88	35	234	1,254	3	21,406	..	15	88	1,184	3,869	**28,174**
1971	68	13	237	1,186	-	22,412	..	-	63	1,081	4,247	**29,306**
1972	53	5	229	1,121	-	23,535	..	-	23	962	4,514	**30,442**
1973	58	-	224	1,123	-	25,125	..	-	10	1,088	4,806	**32,435**
1974	50	-	234	1,048	-	24,465	..	-	10	1,239	4,219	**31,266**
1975	40	-	249	1,000	-	23,948	..	-	8	1,300	4,340	**30,885**
1976	43	3	247	945	-	24,994	..	-	8	1,317	4,476	**32,032**
1977	40	3	252	950	-	25,633	..	-	8	1,312	4,678	**32,875**
1978	45	3	254	967	-	26,946	..	-	5	1,300	5,051	**34,571**
1979	43	3	254	947	-	27,520	..	-	5	1,363	5,224	**35,359**
1980	38	3	262	919	-	27,815	..	-	5	1,257	5,242	**35,541**
1981	38	-	259	877	-	27,009	..	-	-	1,101	5,020	**34,304**
1982	35	-	229	793	-	27,797	..	-	3	1,186	4,993	**35,037**
1983	15	-	247	849	-	28,646	..	-	3	1,207	5,093	**36,059**
1984	3	-	247	816	-	30,006	..	-	-	1,328	5,383	**37,782**
1985	3	-	254	821	-	30,586	..	-	-	1,254	5,582	**38,500**
1986*(11)*	3	-	259	809	-	32,606	..	-	-	1,151	6,126	**40,954**
1987	3	-	264	761	-	34,062	..	-	-	1,103	6,479	**42,672**
1988	-	-	282	766	-	36,233	..	-	-	1,159	6,905	**45,345**
1989	3	-	272	702	-	37,801	..	-	-	1,355	7,308	**47,442**
1990	2	-	455	668	-	38,816	..	-	-	1,363	7,332	**48,635**
1991	-	-	454	685	-	38,535	..	-	-	1,424	6,872	**47,973**
1992	-	-	461	715	-	39,363	..	-	-	1,377	7,435	**49,355**
1993	-	-	641	665	-	39,502	..	-	-	1,341	7,871	**50,024**
1994	-	-	599	651	-	39,690	..	-	-	1,239	8,070	**50,253**
1995	-	-	636	654	-	39,268	..	-	-	1,193	8,485	**50,238**
1996	-	-	710	629	-	40,772	..	-	-	1,294	8,917	**52,321**
1997	-	-	729	516	-	41,259	..	-	-	1,256	9,322	**53,083**
1998	-	-	732	608	-	41,020	..	-	-	1,175	10,237	**53,772**
1999	-	-	738	632	-	41,399	..	-	-	1,067	11,017	**54,853**
2000	-	-	741	639		41,071	..	-	-	1,032	11,978	**55,461**
2001	-	-	759	664		41,097	..	-	-	844	11,774	**55,137**
2002	-	-	727	662		41,936	..	-	-	702	11,658	**55,685**
2003	-	-	706	667		41,823	..	-	-	1,234	11,936	**56,366**
2004	-	-	347	700	2	42,221	..	-	-	1,196	12,908	**57,374**
2005	3	-	347	634	2	42,507	74	-	-	1,370	13,856	**58,793**
2006	14	-	342	632	2	42,513	188	-	-	1,812	13,999	**59,501**
2007	14	-	339	646	2	42,884	362	-	-	1,618	13,906	**59,771**
2008	14	-	338r	658	2r	41,098	845	-	-	1,014	13,426	**57,407r**
2009	13	-	347r	656	2r	39,635	1,038	-	-	951	12,751	**55,408r**
2010	14	-	364r	660	2r	39,159	1,217	-	-	948	12,288	**54,651r**
2011	11	-	364r	651r	2r	38,646	1,128	-	-	894	12,802	**54,497r**
2012	12	-	364r	673r	2r	38,508	958	-	-	833	12,408	**53,758r**
2013	10		364r	656r	3r	38,177	1,092r	-	-	828	12,434r	**53,563r**
2014	9		360	658	6	38,713	1,243	-	-	769	12,419	**54,177**

(6) Includes, from 1990, electricity used at transport premises (see footnote 11).
(7) Includes small amounts of natural gas for road transport.

1.1.5 Energy consumption by final user (energy supplied basis)[(1)] (continued)

Thousand tonnes of oil equivalent

	Domestic								
	Coal	Coke and breeze	Other solid fuels	Natural gas *(8)*	Electricity	Heat sold	Bioenergy & waste	Petroleum	Total *(4)*
1970	14,242	1,761	1,975	8,922	6,622	..	..	3,363	**36,884**
1971	12,164	1,136	2,156	9,900	6,937	..	..	3,328	**35,621**
1972	10,602	849	2,144	11,359	7,471	..	..	3,836	**36,261**
1973	10,565	778	2,053	12,129	7,849	..	..	4,202	**37,576**
1974	9,968	821	1,955	13,562	7,963	..	..	3,733	**38,002**
1975	8,517	645	1,778	14,840	7,670	..	..	3,612	**37,062**
1976	7,910	549	1,640	15,602	7,318	..	..	3,615	**36,634**
1977	8,136	534	1,589	16,600	7,386	..	..	3,653	**37,898**
1978	7,476	471	1,464	18,291	7,378	..	..	3,610	**38,689**
1979	7,688	479	1,431	20,718	7,711	..	..	3,539	**41,566**
1980	6,575	401	1,370	21,258	7,403	..	..	2,834	**39,841**
1981	6,214	368	1,202	22,076	7,260	..	..	2,554	**39,674**
1982	6,242	365	1,146	21,963	7,116	..	..	2,385	**39,218**
1983	5,796	335	1,141	22,346	7,129	..	..	2,267	**39,014**
1984	4,733	335	728	22,502	7,212	..	..	2,385	**37,896**
1985	6,290	385	957	24,394	7,582	..	..	2,454	**42,062**
1986*(11)*	6,121	335	965	25,797	7,892	..	..	2,590	**43,700**
1987	5,189	315	1,018	26,450	8,015	..	..	2,474	**43,460**
1988	4,741	300	907	25,833	7,940	..	205	2,441	**42,367**
1989	3,719	239	815	24,988	7,935	..	207	2,355	**40,258**
1990	3,153	254	762	25,835	8,066	..	206	2,480	**40,756**
1991	3,582	210	785	28,721	8,436	..	209	2,825	**44,768**
1992	3,105	176	709	28,389	8,555	..	243	2,889	**44,066**
1993	3,498	147	751	29,254	8,639	..	241	3,019	**45,549**
1994	2,957	67	601	28,355	8,721	..	242	3,004	**43,947**
1995	2,077	78	470	28,037	8,790	..	242	2,997	**42,691**
1996	2,084	129	588	32,317	9,244	..	241	3,518	**48,120**
1997	1,992	59	419	29,710	8,982	..	225	3,389	**44,775**
1998	1,819	85	439	30,601	9,408	..	230	3,543	**46,126**
1999	1,916	86	410	30,788	9,485	44	230	3,162	**46,121**
2000	1,448	95	365	31,806	9,617	44	236	3,239	**46,851**
2001	1,461	48	328	32,625	9,917	32	240	3,527	**48,178**
2002	1,009	127	289	32,362	10,319	33	243	3,087	**47,471**
2003	813	92	255	33,232	10,576	11	247	3,068	**48,293**
2004	733	36	230	34,085	10,679	52	252	3,265	**49,333**
2005	474	24	199	32,836	10,809	52	318	3,094	**47,805**
2006	426	16	200	31,550	10,723	52	358	3,251	**46,575**
2007	487	11	182	30,341	10,583	52	400	2,877	**44,932**
2008	515	9	229	30,916	10,301	52	943r	3,033	**45,998r**
2009	514	7	192	29,622	10,193	52	1,032r	3,013	**44,625r**
2010	537r	7	221	33,499	10,218	52	1,332r	3,428	**49,294r**
2011	530r	6	192	25,228	9,595r	52	1,185r	2,669	**39,457r**
2012	506	5	180	29,672	9,860r	52	1,495r	2,707r	**44,476r**
2013	484r	4	216	29,450r	9,755	52	1,748r	2,869r	**44,577r**
2014	414	4	178	23,912	9,362	52	1,688	2,552	**38,162**

(8) Includes town gas prior to 1989. (Separate figures maybe found in previous editions of this Digest).

1.1.5 Energy consumption by final user (energy supplied basis)[(1)] (continued)

Thousand tonnes of oil equivalent

	Other final users (9)							
	Coal	Coke and breeze	Natural gas *(8)*	Electricity	Heat sold	Bioenergy & waste	Petroleum	Total *(4)*
1970	2,723	1,499	1,919	3,408	..	..	9,038	**18,586**
1971	2,328	688	2,181	3,534	..	..	9,184	**17,915**
1972	2,013	537	2,509	3,650	..	..	9,487	**18,195**
1973	1,731	602	2,728	3,940	..	..	9,585	**18,586**
1974	1,685	567	3,197	3,642	..	..	8,401	**17,492**
1975	1,234	408	3,393	3,894	..	..	8,431	**17,360**
1976	1,300	335	3,831	4,023	..	..	8,668	**18,157**
1977	1,370	315	3,998	4,257	..	..	9,157	**19,097**
1978	1,300	275	4,393	4,481	..	..	8,764	**19,213**
1979	1,307	285	4,955	4,731	..	..	8,754	**20,031**
1980	1,154	237	5,194	4,733	..	..	7,403	**18,721**
1981	1,174	204	5,315	4,804	..	..	7,096	**18,592**
1982	1,222	212	5,486	4,867	..	..	6,678	**18,464**
1983	1,166	257	5,915	5,106	..	..	6,403	**18,847**
1984	1,141	252	6,101	5,063	..	..	6,381	**18,938**
1985	1,123	297	6,718	5,446	..	..	6,018	**19,603**
1986*(11)*	982	390	7,308	5,731	..	..	5,723	**20,135**
1987	935	368	7,534	5,965	..	..	4,988	**19,790**
1988	831	264	7,569	6,240	..	138	5,008	**20,050**
1989	698	119	7,278	6,497	..	138	4,345	**19,075**
1990	795	127	7,329	6,426	..	139	4,402	**19,218**
1991	753	105	8,640	6,717	..	149	4,456	**20,820**
1992	622	88	8,585	6,996	..	150	4,518	**20,959**
1993	566	74	8,504	6,999	..	146	4,446	**20,735**
1994	496	34	8,695	6,951	..	172	4,289	**20,637**
1995	362	39	9,374	7,199	..	189	4,016	**21,179**
1996	385	-	10,138	7,495	..	181	3,909	**22,108**
1997	375	-	9,697	7,859	..	174	3,362	**21,467**
1998	291	-	10,114	7,788	..	174	3,144	**21,511**
1999	189	-	9,156	7,986	1,368	174	2,464	**21,338**
2000	57	-	9,498	8,155	1,371	172	2,294	**21,547**
2001	47	-	9,726	8,359	1,294	173	2,568	**22,167**
2002	14	-	8,670	8,148	730	188	1,805	**19,556**
2003	17	-	9,177	8,231	648	196	1,145	**19,414**
2004	19	-	9,757	8,532	373	198	1,438	**20,317**
2005	38	-	9,526	8,846	386	205	1,773	**20,774**
2006	24	-	8,655	8,738	384	192	1,530	**19,523**
2007	19	-	8,154	8,755	390	198	1,501	**19,016**
2008	21	-	11,017	8,921r	393	229r	1,411	**21,992r**
2009	53	-	9,157r	8,534r	392	231r	1,251	**19,618r**
2010	28	-	9,881r	8,703r	392	315r	1,258	**20,577r**
2011	28	-	9,449r	8,566r	385	283r	1,360	**20,071r**
2012	17	-	9,587r	8,672r	408	294r	1,340r	**20,317r**
2013	24		9,920r	8,736r	399r	382r	1,487r	**20,948r**
2014	24		8,287	8,332	392	424	1,498	**18,957**

(9) Mainly agriculture, public administration and commerce. Prior to 1990, including electricity used at transport premises (see footnote 6).

1.1.5 Energy consumption by final user (energy supplied basis)[1] (continued)

Thousand tonnes of oil equivalent

	All final users										
	Coal	Coke and breeze	Other solid fuels *(4)*	Coke oven gas	Town gas	Natural gas *(4)*	Electri-city	Heat sold	Bioenergy & waste	Petroleum	Total *(3)(10)*
1970	29,822	12,950	2,184	1,164	10,746	3,662	16,542	..	..	68,511	**145,977**
1971	24,855	10,134	2,333	1,118	8,882	9,431	17,021	..	..	69,568	**143,589**
1972	20,366	9,222	2,396	1,111	8,094	15,063	17,643	..	..	72,129	**146,205**
1973	20,313	9,721	2,280	1,290	5,852	20,584	18,898	..	..	74,620	**153,744**
1974	19,003	8,555	2,156	975	3,836	25,736	18,356	..	..	68,072	**146,818**
1975	16,172	7,391	1,977	1,038	1,796	29,212	18,293	..	..	64,776	**140,751**
1976	15,162	8,016	1,771	1,091	534	33,204	18,537	..	..	65,981	**144,407**
1977	15,502	7,220	1,748	1,010	174	35,393	18,948	..	..	67,361	**147,444**
1978	14,454	6,681	1,642	899	81	37,766	19,336	..	..	68,208	**149,146**
1979	15,124	7,279	1,579	977	91	42,262	20,223	..	..	68,937	**155,521**
1980	12,854	3,975	1,504	642	76	41,647	19,252	..	..	62,408	**142,394**
1981	11,960	5,136	1,317	665	65	41,828	18,945	..	..	58,420	**138,346**
1982	12,169	4,660	1,290	605	55	41,990	18,567	..	..	57,360	**136,726**
1983	11,688	4,899	1,267	635	45	42,242	18,856	..	..	56,453	**136,111**
1984	9,673	4,995	796	537	43	43,251	19,280	..	..	57,158	**135,753**
1985	12,124	5,338	1,108	768	40	45,940	20,118	..	..	56,416	**141,867**
1986*(11)*	12,348	4,869	1,063	778	28	46,622	20,763	..	..	59,245	**145,719**
1987	10,174	5,343	1,098	821	28	48,096	22,252	..	..	58,325	**146,132**
1988	9,738	5,605	962	771	8	46,277	22,811	..	443	61,952	**148,569**
1989	8,909	4,645	845	613	-	44,780	23,254	..	447	62,685	**146,180**
1990	8,122	4,333	804	602	-	46,052	23,601	..	451	63,302	**147,268**
1991	8,605	4,006	799	570	-	49,676	24,170	..	467	63,525	**151,818**
1992	8,101	3,866	723	534	-	48,357	24,206	..	672	64,632	**151,091**
1993	7,617	3,833	758	560	-	49,282	24,607	..	652	65,437	**152,747**
1994	6,855	3,919	795	590	-	49,935	24,353	..	901	65,196	**152,548**
1995	5,279	3,867	654	576	-	50,091	25,279	..	956	63,679	**150,384**
1996	4,429	984	821	439	-	56,536	26,453	..	954	66,096	**157,019**
1997	4,331	846	667	457	-	54,162	26,759	..	930	65,418	**153,902**
1998	3,716	889	682	385	-	55,856	27,143	..	865	66,107	**155,921**
1999	3,458	906	625	205	-	55,148	27,751	2,498	688	65,116	**156,534**
2000	2,733	848	590	216	-	57,077	28,325	2,515	672	66,293	**159,365**
2001	2,704	766	539	154	-	57,814	28,609	2,327	656	67,084	**160,926**
2002	2,209	737	459	78	-	55,234	28,667	2,084	682	66,099	**156,476**
2003	2,078	680	420	53	-	56,701	28,910	1,787	710	66,772	**158,147**
2004	1,988	595	411	67	-	57,080	29,144	1,258	715	68,647	**159,936**
2005	1,695	559	370	79	-	55,384	29,981	1,268	798	69,516	**159,676**
2006	1,627	504	378	106	-	52,633	29,684	1,245	952	69,836	**157,042**
2007	1,788	524	359	101	-	49,961	29,377	1,338	1,235	69,528	**154,259**
2008	1,845	452	403	92	-	51,796	29,391	1,465	2,430r	66,535	**154,450r**
2009	1,733	395	212	49	-	46,626r	27,665	1,206	2,716r	63,409	**144,039r**
2010	1,889r	346	238	97	-	51,886r	28,274	1,266	3,314r	63,223	**150,620r**
2011	1,763r	312	209	59	-	42,804r	27,328r	1,206	3,102r	61,522r	**138,370r**
2012	1,747	380r	197	43	-	47,128r	27,340r	1,226	3,206r	61,138r	**142,430r**
2013	1,948r	509r	231	62		47,367r	27,255r	1,372r	3,795r	60,774r	**143,325r**
2014	1,943	487	192	54		40,152	26,088	1,339	4,057	60,957	**135,282**

(10) Before 1971 includes the use for transport of liquid fuel made from coal.

(11) See paragraph 1.1.20 about changed treatment of electricity produced, and fuel used by, companies other than major power producers.

1.1.6 Expenditure on energy by final user, (1)

£million

	Industry						Domestic					
	Coal and solid fuels (3)	Natural gas (4)	Electricity	Petroleum products (5)	Heat and other fuels (6)	**Total**	Coal and solid fuels (3)	Natural gas (4)	Electricity	Petroleum products (5)	Heat and other fuels (6)	**Total**
1970	285	70	475	300		**1,130**	395	385	645	85		**1,510**
1971	285	85	530	350		**1,250**	385	430	730	90		**1,635**
1972	280	120	540	345		**1,285**	360	505	830	110		**1,805**
1973	320	150	595	390		**1,455**	370	535	885	140		**1,930**
1974	410	195	775	880		**2,260**	405	605	1,070	200		**2,280**
1975	545	240	1,015	920		**2,720**	440	760	1,495	235		**2,930**
1976	720	380	1,260	1,065		**3,425**	500	1,000	1,825	295		**3,620**
1977	780	535	1,470	1,305		**4,090**	595	1,205	2,135	360		**4,295**
1978	800	695	1,670	1,255		**4,420**	620	1,365	2,380	370		**4,735**
1979	1,010	820	1,925	1,570		**5,325**	770	1,575	2,675	475		**5,495**
1980	675	1,060	2,185	1,815		**5,735**	920	1,875	3,310	510		**6,615**
1981	850	1,215	2,420	1,890		**6,375**	960	2,460	3,905	560		**7,885**
1982	860	1,335	2,560	1,870		**6,625**	995	3,070	4,200	610		**8,875**
1983	900	1,375	2,655	1,800		**6,730**	1,015	3,520	4,300	645		**9,480**
1984	845	1,555	2,695	1,810		**6,905**	830	3,655	4,495	640		**9,620**
1985	990	1,735	2,750	1,740		**7,215**	1,120	4,090	4,840	665		**10,715**
1986	1,000	1,350	2,765	1,065		**6,180**	1,135	4,385	5,105	460		**11,085**
1987	865	1,375	3,285	865		**6,390**	990	4,465	5,140	410		**11,005**
1988	880	1,225	3,590	785		**6,480**	830	4,385	5,340	365		**10,920**
1989	905	1,210	3,965	845		**6,925**	730	4,455	5,800	390		**11,375**
1990	930	1,260	3,985	900		**7,075**	700	4,865	6,255	485		**12,305**
1991	910	1,115	4,120	905		**7,050**	795	5,775	7,105	460		**14,135**
1992	775	970	4,180	790		**6,715**	710	5,685	7,460	460		**14,315**
1993	740	915	3,940	895		**6,490**	780	5,705	7,590	465		**14,540**
1994	650	1,010	3,855	865		**6,380**	685	6,020	7,870	455		**15,030**
1995	605	1,015	3,970	830		**6,420**	615	6,010	8,060	470		**15,155**
1996	590	755	3,900	965		**6,210**	640	6,510	8,380	630		**16,165**
1997	565	870	3,625	890		**5,950**	560	6,125	7,965	560		**15,210**
1998	545	990	3,535	715	40	**5,825**	525	6,015	7,595	465	30	**14,630**
1999	430	970	3,730	735	215	**6,080**	540	5,610	7,600	465	40	**14,255**
2000	430	1,115	3,435	1,145	205	**6,330**	465	5,485	7,475	735	40	**14,200**
2001	445	1,470	3,145	1,235	190	**6,485**	535	5,735	7,540	715	35	**14,560**
2002	365	1,280	2,995	1,065	265	**5,970**	465	6,090	7,510	645	35	**14,745**
2003	380	1,345	2,925	1,240	220	**6,110**	320	6,260	7,660	730	30	**15,000**
2004	525	1,480	3,255	1,485	90	**6,835**	285	6,900	8,895	805	40	**16,925**
2005	805	2,170	5,060	1,760	230	**10,025**	215	8,215	9,665	1,050	50	**19,195**
2006	975	2,695	6,775	2,060	305	**12,810**	210	10,100	11,340	1,260	60	**22,970**
2007	875	2,035	6,970	2,155	330	**12,365**	230	9,950	12,540	1,150	65	**23,935**
2008	1,425	2,510	7,225	2,670	425	**14,255**	300	12,070	14,245	1,695	65	**28,375**
2009	1,335	1,795	6,775	1,970	375	**12,250**	350	12,605	14,535	1,245	75	**28,810**
2010	1,355	1,780	6,335	2,415	395	**12,280**	385	14,275	14,085	1,730	365	**30,840**
2011	1,540	2,060	6,545	2,575	410	**13,130**	345	12,325	14,555	1,690	325	**29,240**
2012	1,300r	2,180	6,755	2,705r	395	**13,330r**	340	15,720	15,690	1,740	755r	**34,250r**
2013	1,230r	2,440r	7,130r	2,595r	460r	**13,860r**	355r	16,570r	16,600r	1,790r	640r	**35,965r**
2014	1,020	2,145	6,800	2,380	375	**12,715**	310	14,290	16,800	1,425	605	**33,435**

(1) All data is to the nearest £5 million. VAT is only included where not refundable. Methodology used to calculate the series has changed over the years, as such the data provides a guide to changing patterns of expenditure on energy, but not too much significance should be drawn from small changes.

(2) Includes commercial, public administration, agriculture and all fuels used for transport purposes.

(3) Includes coal, coke, breeze and other manufactured solid fuel. Prior to 1996, an estimate of the value of coke produced in coke ovens owned by the iron and steel industry was included, this has now been replaced by an estimate of the value of coal purchased for such ovens, which is the actual monetary trade.

(4) Includes town gas.

(5) Includes heating oils, LPG etc. Excludes motor transport fuels.

(6) Includes other fuels not listed eg coke oven gas, heat, biofuels etc. Heat data not available before 1999, and other fuels data not available before 1998.

1.1.6 Expenditure on energy by final user, (1) (continued)

£million

Other final users (2)							All final users						
Coal and solid fuels (3)	Natural gas (4)	Electricity	Petroleum prod-ucts	Of which road transport	Heat and other fuels (6)	**Total**	Coal and solid fuels (3)	Natural gas (4)	Electricity	Petroleum prod-ucts	Heat and other fuels (6)	**Total**	
60	70	390	1,910	1,720		**2,430**	740	525	1,510	2,295		**5,070**	1970
45	80	435	2,105	1,885		**2,665**	715	595	1,695	2,545		**5,550**	1971
45	80	480	2,305	2,070		**2,910**	685	705	1,850	2,760		**6,000**	1972
45	90	515	2,580	2,305		**3,230**	735	775	1,995	3,110		**6,615**	1973
60	105	590	3,885	3,150		**4,640**	875	905	2,435	4,965		**9,180**	1974
70	140	835	4,685	3,845		**5,730**	1,055	1,140	3,345	5,840		**11,380**	1975
90	200	1,030	5,305	4,325		**6,625**	1,310	1,580	4,115	6,665		**13,670**	1976
115	255	1,200	6,030	4,835		**7,600**	1,490	1,995	4,805	7,695		**15,985**	1977
115	310	1,375	6,075	4,890		**7,875**	1,535	2,370	5,425	7,700		**17,030**	1978
130	385	1,655	8,265	6,660		**10,435**	1,910	2,780	6,255	10,310		**21,255**	1979
115	520	1,985	10,735	8,650		**13,355**	1,710	3,455	7,480	13,060		**25,705**	1980
110	585	2,460	12,345	10,060		**15,500**	1,920	4,260	8,785	14,795		**29,760**	1981
135	655	2,690	13,470	10,950		**16,950**	1,990	5,060	9,450	15,950		**32,450**	1982
135	745	2,855	14,965	12,240		**18,700**	2,050	5,640	9,810	17,410		**34,910**	1983
135	795	2,980	16,140	13,250		**20,050**	1,810	6,005	10,170	18,590		**36,575**	1984
155	920	3,265	17,640	14,615		**21,980**	2,265	6,745	10,855	20,045		**39,910**	1985
140	1,045	3,485	15,845	13,745		**20,515**	2,275	6,780	11,355	17,370		**37,780**	1986
125	1,035	3,490	16,630	14,525		**21,280**	1,980	6,870	11,915	17,905		**38,670**	1987
95	1,025	3,810	16,855	14,960		**21,785**	1,805	6,635	12,740	18,005		**39,185**	1988
95	1,015	4,185	18,755	16,690		**24,050**	1,730	6,680	13,950	19,980		**42,340**	1989
105	1,085	4,465	21,120	19,020		**26,775**	1,735	7,210	14,705	22,505		**46,155**	1990
85	1,310	4,960	21,900	19,995		**28,255**	1,790	8,200	16,185	23,265		**49,440**	1991
95	1,245	5,495	22,455	20,825		**29,290**	1,580	7,900	17,135	23,705		**50,320**	1992
70	1,155	5,555	24,365	22,540		**31,145**	1,590	7,775	17,115	25,725		**52,205**	1993
50	1,125	5,380	25,190	23,515		**31,745**	1,385	8,155	17,140	26,510		**53,190**	1994
35	1,110	5,300	25,895	24,140		**32,340**	1,255	8,135	17,330	27,195		**53,915**	1995
30	975	5,405	28,240	26,145		**34,650**	1,260	8,240	17,685	29,835		**57,020**	1996
35	855	5,420	30,645	28,685		**36,955**	1,165	7,850	17,010	32,095		**58,120**	1997
25	885	5,200	31,375	29,810	-	**37,485**	1,095	7,885	16,335	32,555	70	**57,940**	1998
10	780	4,990	38,435	36,680	235	**44,450**	980	7,355	16,330	39,640	490	**64,795**	1999
5	850	4,950	38,860	35,635	235	**44,900**	890	7,445	15,860	40,740	485	**65,425**	2000
5	1,110	4,330	37,195	34,320	225	**42,865**	985	8,310	15,020	39,145	445	**63,905**	2001
-	1,020	4,050	36,355	34,020	140	**41,565**	830	8,395	14,550	38,065	440	**62,280**	2002
5	1,120	3,830	38,160	35,055	125	**43,240**	695	8,720	14,415	40,135	375	**64,345**	2003
5	1,320	4,355	46,560	42,975	70	**52,310**	815	9,705	16,505	48,850	195	**76,070**	2004
5	1,755	5,405	49,530	44,620	200	**56,895**	1,025	12,145	20,135	52,345	475	**86,125**	2005
-	2,165	6,715	53,040	47,150	375	**62,295**	1,185	14,955	24,835	56,355	740	**98,070**	2006
-	2,040	7,050	54,625	48,810	605	**64,320**	1,110	14,020	26,565	57,930	1,000	**100,625**	2007
-	3,150	9,215	61,025	51,765	1,410	**74,800**	1,725	17,730	30,690	65,385	1,900	**117,430**	2008
	2,730	10,020	51,205	45,505	1,580	**65,535**	1,690	17,135	31,330	54,420	2,025	**106,600**	2009
-	2,610	9,750	58,895	51,410	2,180	**73,435**	1,740	18,660	30,165	63,035	2,940	**116,540**	2010
15	2,760	9,755	67,410	57,815	2,365	**82,305**	1,900	17,150	30,855	71,675	3,100	**124,680**	2011
10	2,995r	10,360	68,155r	58,695	2,160	**83,675r**	1,645r	20,895r	32,805r	72,600r	3,310r	**131,255r**	2012
15r	3,345r	10,920r	67,115r	57,810	2,370	**83,755r**	1,595r	22,355r	34,650r	71,500r	3,475r	**133,580r**	2013
10	2,780	10,555	64,060	55,635	2,470	**79,875**	1,335	19,215	34,160	67,865	3,450	**126,025**	2014

1.1.7 Mean air temperatures (deviations) [1][2] Great Britain

Degrees Celsius

	Average 1981-2010 *(4)*	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Calendar year	9.9	+0.5	+0.2	+0.8	+0.7	+0.6	+0.6	+0.8	+0.6	+0.0	+0.2	-1.0	+0.8	-0.2	-0.2	+1.0
First half year	8.3	+0.7	-0.2	+1.1	+0.9	+0.8	+0.7	+0.0	+1.4	+0.5	+0.2	-0.7	+0.9	+0.2	-1.2	+1.2
Second half year	11.6	+0.3	+0.6	+0.5	+0.5	+0.5	+0.5	+1.6	-0.2	-0.5	+0.1	-1.2	+0.7	-0.5	+0.9	+0.8
First quarter	5.2	+1.2	-0.5	+1.7	+0.5	+0.7	+0.8	-0.7	+1.5	+0.7	-0.4	-1.8	+0.4	+0.9	-1.8	+1.3
Second quarter	11.3	+0.2	+0.1	+0.6	+1.3	+1.0	+0.5	+0.7	+1.3	+0.4	+0.8	+0.3	+1.3	-0.5	-0.7	+1.2
Third quarter	15.6	+0.4	+0.3	+0.2	+1.1	+0.4	+0.3	+1.7	-0.7	-0.2	+0.1	-0.1	-0.3	-0.5	+0.8	+0.3
Fourth quarter	7.5	+0.3	+1.0	+0.8	-0.1	+0.6	+0.6	+1.6	+0.3	-0.7	+0.1	-2.4	+1.7	-0.5	+0.9	+1.2
Summer *(3)*	13.4	+0.3	+0.2	+0.4	+1.2	+0.7	+0.4	+1.2	+0.3	+0.1	+0.5	+0.1	+0.5	-0.5	+0.1	+0.8
Winter *(3)*	6.4	-0.1	+1.4	+0.7	+0.3	+0.7	-0.1	+1.5	+0.5	-0.5	-0.8	-1.0	+1.3	-1.2	+1.1	+0.6
January	4.6	+0.9	-0.7	+1.5	+0.3	+0.9	+1.8	-0.1	+2.3	+1.8	-1.3	-3.1	-0.7	+0.9	-0.7	+1.1
February	4.6	+1.8	+0.2	+2.6	-0.2	+0.9	-0.1	-0.5	+1.4	+0.7	-0.3	-1.9	+1.7	-0.3	-1.3	+1.6
March	6.5	+1.1	-1.0	+1.2	+1.3	+0.2	+0.8	-1.5	+0.6	-0.4	+0.5	-0.4	+0.3	+2.0	-3.5	+1.1
April	8.4	-0.5	-0.6	+1.0	+1.5	+1.2	+0.4	+0.1	+2.8	-0.5	+1.3	+0.5	+3.3	-1.1	-1.0	+1.7
May	11.4	+0.6	+1.0	+0.5	+0.7	+0.7	-0.2	+0.4	+0.5	+1.6	+0.5	-0.6	+0.8	+0.2	-0.9	+0.8
June	14.1	+0.6	-0.1	+0.2	+1.8	+1.2	+1.3	+1.7	+0.8	-0.1	+0.7	+1.2	-0.1	-0.5	-0.1	+1.1
July	16.4	-1.2	+0.3	-0.5	+1.0	-0.7	+0.2	+2.8	-1.2	-0.2	-0.3	+0.6	-1.1	-1.0	+1.8	+1.2
August	16.2	+0.5	+0.5	+0.7	+1.8	+1.1	-0.1	-0.1	-0.7	-0.0	+0.3	-0.9	-0.8	+0.4	+0.7	-1.0
September	14.0	+1.9	+0.1	+0.5	+0.4	+0.8	+1.0	+2.4	-0.1	-0.5	+0.2	-0.0	+1.1	-0.8	-0.1	+0.9
October	10.6	-0.1	+3.0	-0.3	-1.6	-0.0	+2.4	+2.2	+0.4	-0.8	+0.9	-0.2	+1.8	-1.1	+1.9	+1.7
November	7.3	-0.1	+0.7	+1.5	+1.1	+0.7	-0.9	+0.8	+0.3	-0.3	+1.2	-1.9	+2.3	-0.6	-0.9	+1.2
December	4.7	+1.1	-0.6	+1.2	+0.3	+1.0	+0.1	+1.6	+0.3	-1.0	-1.7	-5.0	+1.2	+0.1	+1.7	+0.7

(1) Latest monthly figures available at:
https://www.gov.uk/government/statistics/energy-trends-section-7-weather

(2) Average mean air temperatures calculated from the maximum and minimum daily temperature as recorded at 17 meteorological stations, selected as representative of fuel consumption in Great Britain, 2 in Scotland, 2 in Wales and 13 in England, 4 of which are counted twice. Data on temperatures recorded are provided by the Meteorological Office.

(3) The summer period is from April to September inclusive, and the winter period is the six months beginning in October and ending with March of the following year.

(4) Long term mean changed from 1971-2000 to 1981-2010 with effect from June 2013; see article in the March 2013 edition of Energy Trends at:
https://www.gov.uk/government/publications/energy-trends-march-2013-special-feature-articles-long-term-mean-temperatures-1981-2010

1.1.8 Mean heating degree days [(1)(2)(3)], Great Britain

	January	February	March	April	May	June	July	August	September	October	November	December	Total heating degrees days temperature	Year
Long-term mean (1981-2010)	10.9	10.9	9.0	7.1	4.2	2.0	0.7	0.8	2.1	5.0	8.3	10.8	2,175.8	6.0
2002	9.5	8.3	7.8	6.1	3.6	1.4	0.6	0.1	1.2	5.2	6.7	9.5	1,823.3	5.0
2003	10.6	11.1	7.7	5.6	3.6	0.3	0.0	0.3	1.5	6.1	7.1	10.5	1,948.8	5.3
2004	10.0	9.9	8.9	5.9	3.4	1.0	0.7	0.2	1.2	4.9	7.5	9.8	1,931.9	5.3
2005	9.1	11.0	8.2	6.7	4.3	1.3	0.3	0.3	1.2	2.6	9.1	10.7	1,953.8	5.4
2006	11.0	11.3	10.5	7.0	3.7	0.6	0.0	0.3	0.3	2.7	7.4	9.1	1,932.3	5.3
2007	8.6	9.5	8.4	4.3	3.7	0.9	0.5	0.5	2.1	4.5	8.0	10.5	1,860.3	5.1
2008	9.1	10.1	9.4	7.6	2.6	1.6	0.5	0.2	2.0	5.8	8.5	11.8	2,101.8	5.7
2009	12.2	11.1	8.6	5.8	3.6	1.6	0.2	0.2	1.5	4.0	7.1	12.4	2,067.2	5.7
2010	14.0	12.7	9.4	6.6	4.9	1.0	0.1	0.7	1.8	5.1	10.1	15.8	2,489.0	6.8
2011	11.6	9.2	8.7	3.8	3.3	1.9	0.5	0.8	1.0	3.4	6.0	9.6	1,815.3	5.0
2012	10.0	11.1	7.0	8.2	4.2	2.1	0.8	0.3	2.6	6.0	8.8	10.7	2,185.1	6.0
2013	11.6	12.1	12.5	8.1	4.9	1.7	0.1	0.1	1.9	3.1	9.1	9.1	2,250.3	6.2
2014	9.9	9.2	7.9	5.4	3.3	0.6	0.1	0.8	0.9	3.3	7.1	10.0	1,771.8	4.9
2015	10.7	11.2	9.2	6.4	4.6	1.9								

(1) Latest monthly figures available at
https://www.gov.uk/government/statistics/energy-trends-section-7-weather
(2) Degree days calculated from the maximum and minimum daily temperature as recorded at 17 meteorological stations, selected as representative of fuel consumption in Great Britain with 2 in Scotland, 2 in Wales and 13 in England, 4 of which are counted twice. Data on temperatures recorded are provided by the Meteorological Office.
(3) Long term mean changed from 1971-2000 to 1981-2010 with effect from June 2013; see article in the March 2013 edition of Energy Trends at:
https://www.gov.uk/government/publications/energy-trends-march-2013-special-feature-articles-long-term-mean-temperatures-1981-2010

1.1.9 Mean air temperatures (averages) [(1)(2)(3)], Great Britain

Degrees Celsius

	January	February	March	April	May	June	July	August	September	October	November	December	Year
1970	4.0	3.2	4.0	6.8	12.7	16.1	15.4	16.1	14.5	10.9	7.9	4.5	9.7
1971	4.7	5.0	5.4	7.8	11.5	12.5	16.9	15.6	14.3	11.6	6.4	7.1	9.9
1972	4.2	4.6	6.5	8.6	10.6	11.9	15.5	15.2	11.9	10.7	6.4	5.8	9.3
1973	4.7	4.7	6.5	7.2	11.3	14.9	15.7	16.5	14.3	9.4	6.2	5.1	9.7
1974	6.1	5.8	5.8	8.0	10.9	13.7	15.1	15.2	12.1	7.9	6.7	8.0	9.6
1975	6.7	4.7	5.0	8.3	9.7	14.5	17.2	18.2	13.4	10.2	6.3	5.3	10.0
1976	5.9	4.8	5.0	8.0	11.8	16.7	18.3	17.3	13.4	10.7	6.2	2.2	10.0
1977	3.0	5.1	7.0	7.3	10.4	12.4	15.9	15.3	13.1	11.7	6.4	6.2	9.5
1978	3.4	3.6	6.8	6.4	11.3	13.6	14.7	14.9	14.0	11.9	8.6	4.3	9.5
1979	0.5	1.4	4.8	7.6	9.7	14.1	16.2	14.9	13.2	11.2	7.0	5.5	8.9
1980	2.4	6.0	4.9	8.7	11.0	13.8	14.5	15.7	14.6	9.0	6.6	5.8	9.4
1981	4.8	3.3	6.6	7.8	10.5	13.3	15.6	16.2	14.6	7.6	7.7	0.8	9.1
1982	2.8	4.8	5.8	8.2	11.1	11.2	16.2	15.4	13.8	9.8	7.4	4.1	9.2
1983	6.2	1.9	6.1	6.3	9.6	13.6	18.4	16.8	13.2	10.0	7.3	5.5	9.6
1984	3.3	3.5	4.5	7.7	9.5	13.9	16.2	17.0	13.2	10.7	7.7	5.0	9.4
1985	1.0	2.5	4.4	8.0	10.4	12.2	15.6	14.2	14.1	10.7	4.0	6.1	8.6
1986	3.2	-0.5	4.9	5.4	10.6	14.1	15.4	13.2	11.0	10.6	7.3	5.8	8.5
1987	1.1	3.7	4.1	9.4	9.7	12.2	15.5	15.2	13.3	9.3	6.4	4.7	8.7
1988	4.9	4.5	5.8	7.8	11.2	14.0	14.4	14.9	13.2	9.4	5.3	7.1	9.4
1989	6.1	5.8	7.0	6.1	12.5	14.0	17.4	16.1	14.1	11.5	6.4	4.5	10.2
1990	6.3	7.0	8.0	7.7	12.1	13.3	16.3	17.6	13.1	12.0	7.2	5.1	10.5
1991	3.7	2.4	7.8	8.0	11.0	12.2	17.1	17.0	14.7	10.3	7.0	5.0	9.7
1992	4.0	5.9	7.4	8.6	13.1	15.5	16.1	15.3	13.2	7.8	7.5	4.1	9.9
1993	6.0	5.4	6.6	9.3	11.2	14.4	15.1	14.4	12.5	8.5	5.0	5.3	9.5
1994	5.2	3.5	7.6	8.1	10.4	14.3	17.6	15.9	12.7	10.2	10.1	6.4	10.2
1995	4.9	6.7	5.6	8.9	11.6	14.0	18.4	18.9	13.8	13.2	8.1	2.8	10.6
1996	4.8	3.1	4.6	8.7	9.3	14.4	16.4	16.7	13.7	11.8	6.2	3.5	9.4
1997	2.9	6.9	8.4	9.1	11.5	14.0	16.9	18.6	14.5	10.5	8.9	6.1	10.7
1998	5.5	7.7	8.0	7.8	12.9	14.1	15.5	15.9	14.8	10.6	7.3	5.9	10.5
1999	5.8	5.6	7.4	9.4	12.8	13.7	17.5	16.3	15.7	11.0	8.1	5.0	10.7
2000	5.5	6.4	7.5	7.9	12.1	14.7	15.2	16.7	15.9	10.5	7.1	5.8	10.5
2001	3.9	4.8	5.5	7.8	12.4	14.0	16.7	16.7	14.1	13.6	7.9	4.1	10.2
2002	6.1	7.2	7.6	9.4	11.9	14.3	15.9	17.0	14.5	10.3	8.8	6.0	10.8
2003	4.9	4.5	7.8	9.9	12.1	15.9	17.5	18.0	14.3	9.0	8.4	5.0	10.6
2004	5.5	5.6	6.6	9.6	12.1	15.3	15.7	17.4	14.8	10.6	8.0	5.7	10.6
2005	6.4	4.5	7.2	8.8	11.2	15.4	16.6	16.1	15.0	13.0	6.4	4.8	10.5
2006	4.5	4.2	5.0	8.5	11.8	15.8	19.3	16.2	16.4	12.8	8.1	6.4	10.8
2007	6.9	6.0	7.1	11.2	11.9	14.9	15.2	15.5	13.9	11.0	7.5	5.0	10.5
2008	6.4	5.4	6.1	7.9	13.0	14.0	16.3	16.2	13.5	9.8	7.0	3.7	10.0
2009	3.3	4.4	6.9	9.7	11.9	14.8	16.2	16.6	14.2	11.5	8.4	3.1	10.1
2010	1.5	2.8	6.1	8.9	10.8	15.3	17.0	15.3	14.0	10.4	5.4	-0.3	9.0
2011	3.9	6.3	6.8	11.7	12.3	14.0	15.3	15.4	15.1	12.4	9.5	5.9	10.7
2012	5.5	4.4	8.5	7.3	11.6	13.6	15.4	16.6	13.2	9.5	6.7	4.8	9.8
2013	3.9	3.4	3.0	7.4	10.6	13.9	18.2	16.9	13.9	12.5	6.4	6.4	9.7
2014	5.6	6.3	7.6	10.1	12.3	15.2	17.6	15.2	14.9	12.3	8.4	5.5	10.9
2015	4.8	4.3	6.3	9.1	10.9	14.0							

(1) Latest monthly figures available at
https://www.gov.uk/government/statistics/energy-trends-section-7-weather

(2) Average mean air temperatures calculated from the maximum and minimum daily temperature as recorded at 17 meteorological stations, selected as representative of fuel consumption in Great Britain, 2 in Scotland, 2 in Wales and 13 in England, 4 of which are counted twice. Data on temperatures recorded are provided by the Meteorological Office.

(3) Long term mean changed from 1971-2000 to 1981-2010 with effect from June 2013; see article in the March 2013 edition of Energy Trends at:
https://www.gov.uk/government/publications/energy-trends-march-2013-special-feature-articles-long-term-mean-temperatures-1981-2010

Chapter 2: Long term trends

Solid fuels and derived gases

Coal production, trade and stocks (Table 2.1.1)

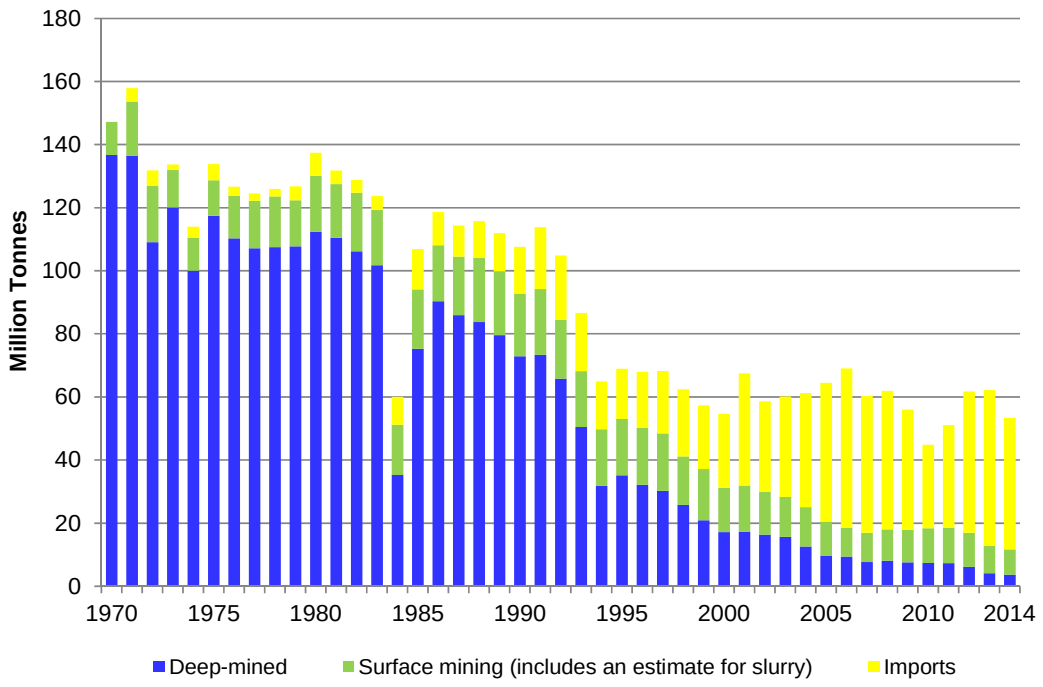
2.1.1 Figures for coal production, imports, overseas shipments and stocks are given in Table 2.1.1, which is based on Table 2.4 of Chapter 2 of the main Digest. The table series extends back to 1970.

2.1.2 Deep-mined production, which represented 93 per cent of overall production in 1970, fell gradually from 1970 to 1983 (with notable falls in 1972 and 1974 due to miners' strikes). Production then plummeted in 1984 as a result of the miners' strike, before recovering. It then continued to fall from the early 1990's as demand for coal fell and mines closed. In 2013 production fell 34 per cent compared to a year earlier as a number of coal mines closed that year (Maltby, Daw Mill and Unity). Deep mining production fell 97 per cent from 95 million tonnes in 1970 to 4 million tonnes in 2014.

2.1.3 Surface mine production rose after 1970 until the early 1990s to a peak of 21 million tonnes in 1991. After 1991 production fell steadily, as mines have closed and overall demand for coal has broadly fallen, with 2010 around the same level as 1970, but represented 60 per cent of overall production. Since 2010 production has fallen further, with a 20 per cent fall in 2013 compared to 2012 due mainly to the closure of Scottish Coal Company going into liquidation in April 2013.

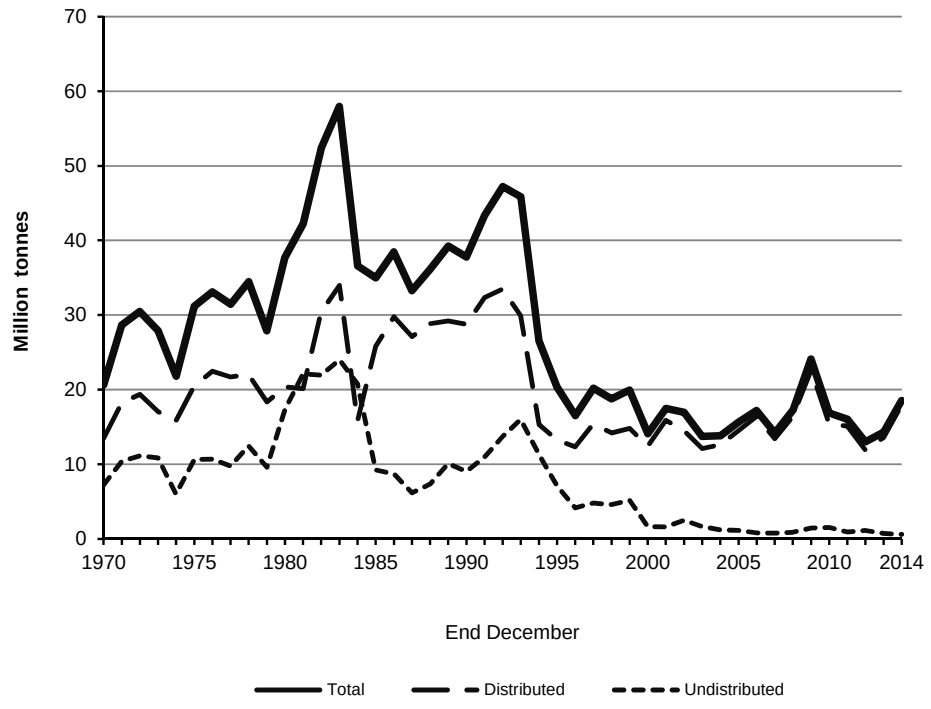
2.1.4 Since 1970, UK coal imports have grown steadily. This growth increased more rapidly over a short period of time in the early 2000s. This meant in 2001 UK imports (36 million tonnes) exceeded UK production (32 million tonnes) for the first time. This rapid growth in imports continued and in 2006 imports reached a new record of 51 million tonnes. From 2007 to 2010 levels declined due to less demand from generators. From 2011 to 2013 coal imports rose due to greater demand from generators, before falling again in 2014. These trends are illustrated in Chart 2.1.1.

Chart 2.1.1: Coal production and imports 1970 to 2014



2.1.5 Total coal stocks were around 20 million tonnes in 1970. Since then distributed stocks increased substantially (mainly due to growth at electricity generators) and in 1983, total stocks, reached a record high of 58 million tonnes, of which 59 per cent was distributed. Thereafter, although there have been year-on-year fluctuations, stock levels have declined back to under 20 million tonnes a year, with the exception of 2009, where total stocks were 24 million tonnes (Chart 2.3), the highest since 1994 (27 million tonnes), as a result of a sharp decline in coal demand for generation. Since 2009, total stocks have continued to fluctuate depending on the demand for coal. Trends in coal stocks are shown in Chart 2.1.2.

Chart 2.1.2: Coal stocks 1970 to 2014



Inland consumption of solid fuels (Table 2.1.2)

2.1.6 Figures for inland consumption of coal by fuel producers and final users are given in Table 2.1.2, which are based on Table 2.4 of Chapter 2 of the main Digest. The table also shows final consumption figures for coke and breeze, and other solid fuels based on Table 2.5 of Chapter 2.[1]

2.1.7 Trends in inland consumption of coal, in total and by power stations, coke ovens and final consumers, are illustrated in Chart 2.1.3.

2.1.8 Total inland consumption fell gradually from 157 million tonnes in 1970. There was a large fall in 1984 due to the miners' strike. Consumption quickly rose again to pre-1984 levels before gradually falling again. In 2014, consumption of coal was 49 million tonnes, 69 per cent lower than in 1970.

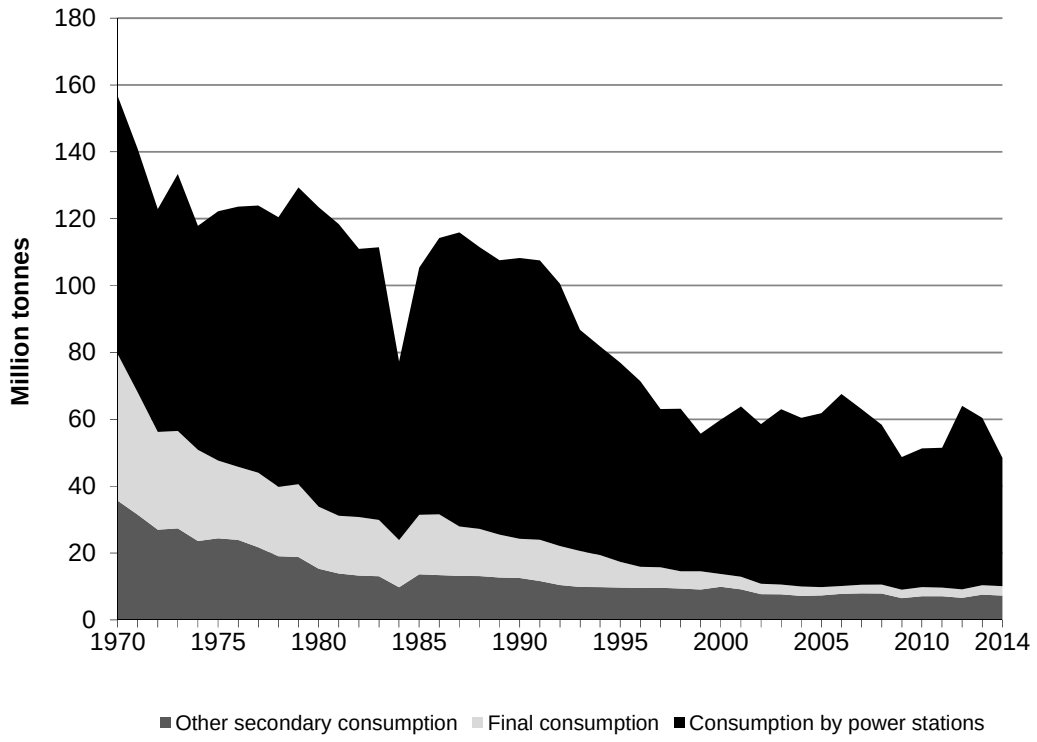
2.1.9 Consumption by the electricity generators increased from 77 million tonnes in 1970 to a peak of 90 million tonnes in 1980 and continued in the 80 to 90 million tonnes range until 1991, with the exception of the miners' strike years. Coal consumed by generators fell steadily after 1991 until 1999, as the UK's energy mix became more diverse, environmental regulations and high coal prices made natural gas more attractive to purchase for generation use. Coal consumption by generators broadly rose again after 1999 to 2006 as the price of gas encouraged generation from coal. From 2006 to

[1] These products are mainly supplied from the conversion of coal, supplemented by a small amount of foreign trade. Where possible the series have been extended back to 1970.

2010 the fall in consumption resumed. In 2012 consumption rose to 55 million tonnes, its highest level for six years, due to higher coal use due to higher gas prices making generation from coal more attractive. From 2013 consumption fell again.

2.1.10 Final consumption has fallen continually from 1970, with the exception of an increase for two years following the 1984 strike, as gas has taken over as the main heating fuel in the UK, and demand from industry has also declined (particularly from 1986).

Chart 2.1.3: Inland consumption of coal, 1970 to 2014



Power stations only include all generators from 1987 (see footnote (1) to Table 2.1.2).

2.1.11 More detailed information on coal statistics for 2011 onwards are shown in Chapter 2 of the main Digest.

2.1.12 A more detailed examination of historical coal statistics was published in the September 2001 issue of Energy Trends. This looked at trends in coal production, consumption and employment in the coal mining industry over the last 150 years. The updated data set on which the article is based is available on the DECC section of the GOV.UK website at:
www.gov.uk/government/collections/coal-statistics#historical-data, and the original article is available on request from DECC.

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2.1.1 Coal production and stocks (1)

Thousand tonnes

	Coal production					Coal stocks (at year end) (5)		
	Total	Deep-mined	Surface mining (2,3)	Imports (4)	Exports	**Total**	Distributed	Undistributed
1970	**147,195**	136,686	10,509	79	3,191	**20,630**	13,414	7,216
1971	**153,683**	136,478	17,205	4,241	2,667	**28,664**	18,271	10,393
1972	**126,834**	109,086	17,748	4,998	1,796	**30,460**	19,351	11,110
1973	**131,984**	120,030	11,954	1,675	2,693	**27,886**	17,035	10,850
1974	**110,452**	99,993	10,459	3,547	1,865	**21,807**	15,827	5,979
1975	**128,683**	117,412	11,271	5,083	2,182	**31,159**	20,541	10,618
1976	**123,801**	110,265	13,536	2,837	1,436	**33,115**	22,457	10,658
1977	**122,150**	107,123	15,027	2,439	1,835	**31,444**	21,704	9,740
1978	**123,577**	107,528	16,049	2,352	2,253	**34,475**	22,038	12,437
1979	**122,369**	107,775	14,594	4,375	2,175	**27,908**	18,339	9,569
1980	**130,097**	112,430	17,667	7,334	3,809	**37,687**	20,370	17,317
1981	**127,469**	110,473	16,996	4,290	9,113	**42,253**	20,136	22,117
1982	**124,711**	106,161	18,550	4,063	7,447	**52,377**	30,422	21,955
1983	**119,254**	101,742	17,512	4,456	6,561	**57,960**	33,964	23,996
1984	**51,182**	35,243	15,939	8,894	2,293	**36,548**	15,794	20,753
1985	**94,111**	75,289	18,822	12,732	2,432	**34,979**	25,752	9,228
1986	**108,099**	90,366	17,733	10,554	2,677	**38,481**	29,776	8,704
1987	**104,533**	85,957	18,576	9,781	2,353	**33,246**	27,104	6,142
1988	**104,066**	83,762	20,304	11,685	1,822	**36,166**	28,834	7,332
1989	**99,820**	79,628	20,192	12,137	2,049	**39,244**	29,191	10,053
1990	**92,762**	72,899	19,863	14,783	2,307	**37,760**	28,747	9,013
1991	**94,202**	73,357	20,845	19,611	1,824	**43,321**	32,343	10,977
1992	**84,493**	65,800	18,693	20,339	973	**47,207**	33,493	13,714
1993	**68,199**	50,457	17,742	18,400	1,114	**45,860**	29,872	15,989
1994	**49,785**	31,854	17,931	15,088	1,236	**26,572**	15,301	11,271
1995	**53,037**	35,150	17,887	15,896	859	**20,330**	13,226	7,104
1996	**50,197**	32,223	17,974	17,799	988	**16,505**	12,352	4,153
1997	**48,495**	30,281	18,214	19,757	1,146	**20,188**	15,385	4,803
1998	**41,177**	25,731	15,446	21,244	971	**18,767**	14,202	4,565
1999	**37,077**	20,888	16,189	20,293	761	**19,931**	14,774	5,157
2000	**31,198**	17,188	14,010	23,446	660	**14,077**	12,431	1,646
2001	**31,930**	17,347	14,583	35,542	550	**17,468**	15,885	1,583
2002	**29,989**	16,391	13,598	28,686	537	**16,968**	14,486	2,482
2003	**28,279**	15,633	12,646	31,891	543	**13,731**	12,107	1,624
2004	**25,096**	12,542	12,554	36,153	622	**13,791**	12,598	1,192
2005	**20,498**	9,563	10,935	43,968	536	**15,628**	14,527	1,101
2006	**18,517**	9,444	9,073	50,528	443	**17,210**	16,427	783
2007	**17,007**	7,674	9,333	43,364	544	**14,155**	13,420	734
2008	**18,053**	8,096	9,958	43,875	599	**17,246**	16,392	854
2009	**17,874**	7,520	10,354	38,167	646	**24,091**	22,641	1,450
2010	**18,347r**	7,390	10,956r	26,541	715	**16,884**	15,368	1,517
2011	**18,552r**	7,312	11,240r	32,527	491	**16,041r**	15,115r	926
2012	**16,967r**	6,153	10,814r	44,815	488	**13,003r**	11,883r	1,120
2013	**12,767r**	4,089	8,679r	49,402	593	**14,287r**	13,591r	696
2014	**11,648**	3,685	7,962	41,765	425	**18,520**	17,944	576

(1) 2008 is 4 days longer than the standard 52 week statistical reporting period (SRP) for January to December 2008. This is to enable a smooth transition to publishing data on a calendar month basis from January 2009 rather than 4 and 5 week SRPs used for previous years.

(2) Includes estimates for slurry etc recovered from dumps, ponds, rivers etc.

(3) The term 'surface mining' has now replaced opencast production. Opencast production is a surface mining technique.

(4) The 1993 import figure includes an additional estimate for unrecorded trade.

(5) Excludes distributed stocks held in merchants' yards, etc, mainly for the domestic market and stocks held by the industrial sector.

2.1.2 Inland consumption of solid fuels (4)

Thousand tonnes

	Total inland consumption of coal	Coal consumption by fuel producers						Final consumption					
		Primary	Secondary					Coal (1)					
		Collieries	Power stations (1)	Coke ovens and blast furnaces	Other solid fuel plants (3)	Gas works	Total	Industry	Domestic	Other	Total	Coke and breeze (2)	Other solid fuel (3)
1970	**156,885**	1,916	77,237	25,340	4,150	4,280	**111,007**	19,613	20,190	4,159	**43,962**	18,090	3,203
1971	**140,931**	1,581	72,847	23,554	4,477	1,855	**102,733**	16,105	17,185	3,327	**36,617**	15,100	3,456
1972	**122,883**	1,405	66,664	20,476	4,547	575	**92,262**	11,663	14,554	2,999	**29,216**	14,090	3,514
1973	**133,371**	1,381	76,838	21,888	3,607	512	**102,845**	12,062	14,502	2,581	**29,145**	15,000	3,375
1974	**117,887**	1,256	67,026	18,461	3,788	107	**89,382**	11,077	13,667	2,505	**27,249**	13,220	3,184
1975	**122,213**	1,238	74,569	19,085	4,063	9	**97,726**	9,685	11,616	1,948	**23,249**	11,640	2,919
1976	**123,604**	1,132	77,819	19,402	3,405	8	**100,634**	8,970	10,823	2,045	**21,838**	12,460	2,647
1977	**123,977**	1,124	79,956	17,406	3,173	-	**100,535**	9,033	11,136	2,149	**22,318**	11,310	2,609
1978	**120,477**	1,010	80,643	14,946	3,070	-	**98,659**	8,550	10,217	2,041	**20,808**	10,484	2,453
1979	**129,379**	834	88,790	15,081	2,883	-	**106,754**	9,232	10,508	2,051	**21,791**	11,361	2,364
1980	**123,460**	663	89,569	11,610	3,022	-	**104,201**	7,898	8,946	1,752	**18,596**	6,221	2,252
1981	**118,386**	616	87,226	10,805	2,458	-	**100,489**	7,046	8,454	1,781	**17,281**	7,952	1,975
1982	**110,998**	534	80,228	10,406	2,326	-	**92,960**	7,175	8,474	1,855	**17,504**	7,248	1,921
1983	**111,475**	486	81,565	10,448	2,114	-	**94,127**	7,218	7,872	1,772	**16,862**	7,600	1,889
1984	**77,309**	209	53,411	8,246	1,300	-	**62,957**	7,006	5,406	1,731	**14,143**	7,653	1,186
1985	**105,386**	332	73,940	11,122	2,176	-	**87,238**	8,313	7,799	1,704	**17,816**	8,230	1,658
1986	**114,234**	306	82,652	11,122	1,959	-	**95,733**	9,278	7,421	1,496	**18,195**	7,558	1,601
1987	**115,894**	235	87,960	10,859	2,052	-	**100,871**	6,827	6,536	1,425	**14,788**	8,233	1,652
1988	**111,499**	196	84,258	10,902	2,006	-	**97,166**	7,131	5,741	1,265	**14,137**	8,591	1,443
1989	**107,581**	146	82,053	10,792	1,717	-	**94,562**	6,763	5,048	1,062	**12,873**	8,159	1,253
1990	**108,257**	117	84,014	10,852	1,544	-	**96,410**	6,280	4,239	1,211	**11,730**	7,637	1,214
1991	**107,514**	112	83,542	10,011	1,501	-	**95,054**	6,426	4,778	1,144	**12,348**	7,136	1,200
1992	**100,580**	79	78,469	9,031	1,319	-	**88,819**	6,581	4,156	945	**11,682**	6,887	1,089
1993	**86,756**	48	66,136	8,479	1,329	-	**75,944**	5,300	4,638	826	**10,764**	6,638	1,138
1994	**81,767**	22	62,406	8,581	1,190	-	**72,177**	4,946	3,901	721	**9,568**	6,578	949
1995	**76,942**	8	59,588	8,657	982	-	**69,227**	4,494	2,690	523	**7,707**	6,541	742
1996	**71,400**	8	55,511	8,632	946	-	**65,089**	3,075	2,705	524	**6,303**	6,925	835
1997	**63,080**	8	47,333	8,750	864	-	**56,947**	2,993	2,587	545	**6,125**	6,784	616
1998	**63,152**	5	48,588	8,728	635	-	**57,951**	2,414	2,366	416	**5,196**	6,545	630
1999	**55,724**	10	41,178	8,413	646	-	**50,237**	2,040	2,517	920	**5,477**	6,705	572
2000	**59,931**	12	46,197	8,685	1,195	-	**56,078**	1,876	1,883	82	**3,841**	6,283	521
2001	**63,850**	10	50,931	7,895	1,246	-	**60,072**	1,826	1,874	68	**3,768**	5,394	483
2002	**58,554**	9	47,741	6,533	1,153	-	**55,427**	1,810	1,286	22	**3,118**	4,715	414
2003	**63,023**	6	52,463	6,611	1,019	-	**60,093**	1,856	1,043	25	**2,923**	5,337	358
2004	**60,450**	8	50,444	6,382	801	-	**57,626**	1,848	941	27	**2,816**	5,146	316
2005	**61,852**	6	52,058	6,609	725	-	**59,392**	1,781	614	59	**2,455**	5,003	256
2006	**67,594**	4	57,438	7,049	733	-	**65,220**	1,756	561	54	**2,370**	5,263	257
2007	**63,029**	5	52,511	7,174	750	-	**60,434**	1,896	648	45	**2,590**	5,183	235
2008	**58,385**	5	47,808	7,045	855	-	**55,707**	1,940	683	49	**2,672**	5,104	294
2009	**48,718**	5	39,681	5,787	720	-	**46,188**	1,742	689	94	**2,525**	3,735	269
2010	**51,324r**	5	41,498	6,378	708	-	**48,584**	1,959r	719r	58	**2,736r**	3,424	311
2011	**51,507r**	4	41,850	6,277	820r	-	**48,946r**	1,798	705r	55r	**2,557r**	3,084	270
2012	**64,042r**	4	54,901	5,952	645r	-	**61,498r**	1,826r	674	40	**2,541**	3,500r	253
2013	**60,425r**	3	50,041r	6,698	867r	-	**57,607r**	2,131r	636r	48	**2,816r**	4,428r	304
2014	**48,500**	1	38,400	6,490	775	-	**45,665**	2,240	547	48	**2,834**	4,269	250

(1) Up to 1986 power stations include those in the public electricity supply, railways and transport industries. Consumption by other generators is included in final coal consumption. From 1987, coal consumption at power stations also includes other generators' consumption, which is therefore excluded from final coal consumption (see also Table 2.4). From 1999 includes coal consumption for heat sold to third parties.

(2) This series comprises final consumption and consumption at blast furnaces which can now be separated following production of energy balances in Tables 2.5 and 2.6 of the main Digest.

(3) Low temperature carbonisation and patent fuel plants and their products.

(4) 2008 is 4 days longer than the standard 52 week statistical reporting period (SRP) for January to December 2008. This is to enable a smooth transition to publishing data on a calendar month basis from January 2009 rather than 4 and 5 week SRPs used for previous years.

Chapter 3: Long term trends

Petroleum

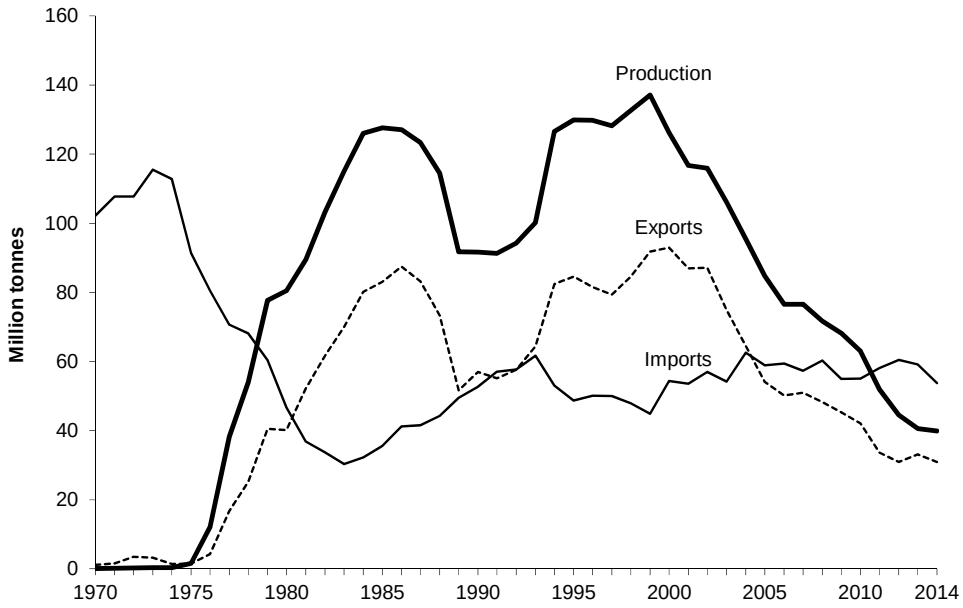
3.1.1 Tables 3.1.1 and 3.1.2 present extended time series of selected, more aggregated data, from the tables in Chapter 3 of the main Digest. They give additional background on the historic development of the crude oil and petroleum sectors.

Crude oil and petroleum products: production, imports and exports (Table 3.1.1)

3.1.2 The left-hand side of Table 3.1.1 shows data from 1970 to 2014 for production, imports and exports of crude oil (including natural gas liquids and feedstocks) and oil products. This part of the table also shows United Kingdom refinery throughput of crude oil, and the inland deliveries of oil products. Indigenous production of crude oil is shown in total with landward production shown separately.

3.1.3 The first three columns of the right-hand side of Table 3.1.1 consist of time series showing net exports of crude oil and products. It should be noted that exports of crude oil include some imports that have been re-exported. In years of significant indigenous production these have little effect on exports as a proportion of indigenous production, but in the earlier years (approximately pre-1975) the re-exports exceeded indigenous production and thus the ratio of exports to indigenous production was greater than one.

Chart 3.1.1: Production, exports and imports of oil[(1)] 1970 to 2014



(1) Includes crude oil, natural gas liquids and process oils.

3.1.4 Chart 3.1.1 illustrates the trends in the production, exports and imports of crude oil. It shows that indigenous production of crude oil was negligible up to 1974 and then increased rapidly as North Sea production came on stream. Imports peaked in 1973, immediately prior to the first OPEC price 'hike'. The chart shows the rapid decline of net imports thereafter as indigenous production rose, until 1981 when the surplus turned from net imports to net exports. Net exports first peaked in 1986, one year after the first peak for North Sea production in 1985.

3.1.5 The large fall in production in 1988 and particularly 1989 reflects the effects of the Piper Alpha disaster and subsequent incidents, and the continued 'low' production in 1990 and 1991 reflects the consequent safety work. Production has been declining since the peak production of 137 million tonnes in 1999. Production is at just under 30 per cent of the UK's peak production recorded in 1999.

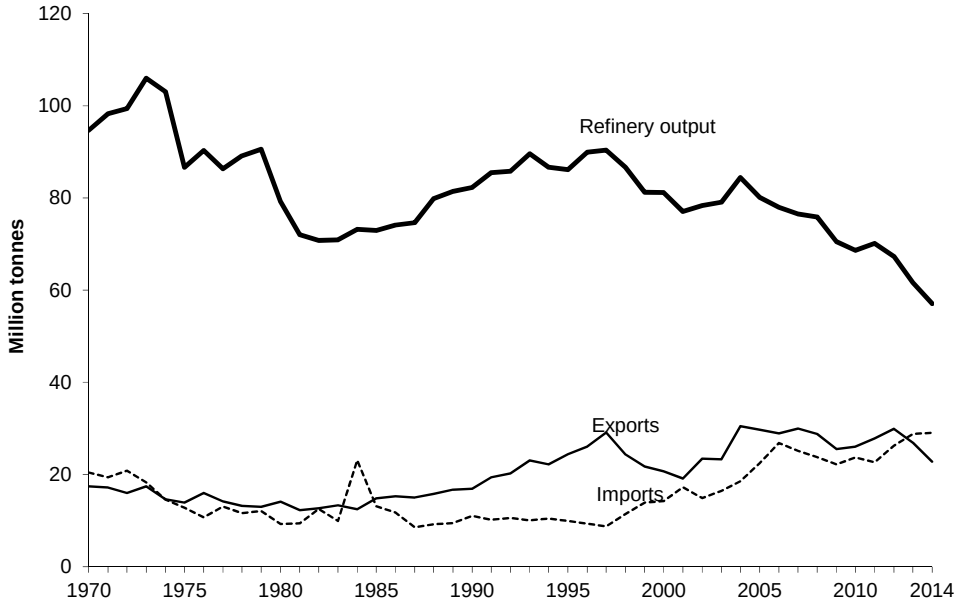
3.1.6 Table 3.1.1 also shows that the import share of refinery throughput of crude oil fell from nearly 100 per cent, prior to North Sea oil production starting, to a low of 39 per cent in 1983 (the lowest year for imports), before rising to 64 per cent in 1993. Since then, indigenous production has increased significantly leading to the import share falling to 51 per cent in 1999, the year of record UK production of crude oil. Since 2000, the share of imported crude used in refineries has been increasing due to the lower levels of production mentioned above. These developments are mirrored by the changes in the ratio of indigenous production to refinery throughput. Ignoring pre-1976 figures, the proportion of indigenous primary oils that were exported increased from 35 per cent in 1976 to around two-thirds towards the end of the 1980s. Although the decreases in production in the late 1980s did lead to some reduction in the level of exports, the proportion of primary oils going to export remained at roughly this level during the 1990s. In the last decade, the proportion has risen again to just over two thirds and was more than three quarters in 2014.

3.1.7 Imports of crude oil in 1991 (and marginally again in 1992) exceeded exports for the first time since 1980. Net exports of crude oil resumed in 1993, and continued to rise until 1999. In 1999 net exports of crude oil were 47 million tonnes at their highest since 1984 with overall net exports of crude oil and oil products at a record level of almost 55 million tonnes. However, the decreased level of crude oil production since 1999 had seen net exports of crude oil falling in the 1990s.In 2005, the UK became a net importer of crude oil, this has continued since with a trend for greater net imports each year.

3.1.8 Refinery throughput peaked in 1973 but subsequently fell to pre-1970 levels together with refinery output. (The difference between refinery throughput and output is refinery use of fuel and gains/losses). Since the low point of 1983 (throughput 77 million tonnes), both refinery throughput and output increased to a new peak in 1997. However, with the closure of the Gulf Oil refinery in late 1997, refinery output fell by 4 per cent in 1998 and then by another 6 per cent in 1999 to the lowest level seen since 1989. The remaining refineries in the UK worked to increase their capacity and utilisation rates and to a large extent offset the closures of the Gulf Oil and Shell Haven refineries. The fall in refinery output in 2001 is the result of the shutdowns mentioned above. Since, 2006 refining output has been on a general declining trend and this was reduced with further refinery closures; in 2009, Petroplus Teesside was mothballed and converted to a storage site, citing economic difficulties. This was followed by the closure of the Coryton refinery in 2012 and Milford Haven in 2014 for the same reasons.

3.1.9. In 1984 the UK was a net importer of refined oil products when there was increased demand for oil products as a result of the miners strike. The UK has generally been a net exporter with exports being greater than imports from 1984 onwards, net exports increased during the 1990s leading to a record high in 1997. In recent years however net exports have been falling UK was a net importer in 2013 and then again in 2014 (See Chapter 3). The increases in net exports of products in the 1990s reflect the increased throughput from refineries mainly feeding through to increased exports of oil products, rather than increases in deliveries to the domestic market. Since then net exports have decreased as a result of refinery closures. There was also a sharp fall in net exports in 2001 due to a number of slowdowns at refineries to allow upgrade work for the introduction of ultra low sulphur petrol. Imports of oil products were at their highest in 1967 (24 million tonnes) and, apart from a 'blip' in 1984 as a result of the miners' strike, were less than half this peak until 1999. In recent years, with the reduced refinery output due in part to the Teeside, Coryton and Milford Haven refinery closures, imports have increased and now make up around 45 per cent of inland deliveries, nearly three times the level of 2000. Chart 3.1.2 summarises the trend in refinery output, exports and imports of oil products over the period.

Chart 3.1.2: Refinery output, exports and imports of oil products 1970 to 2014



Inland deliveries of petroleum products (Table 3.1.2)

3.1.10 Table 3.1.2 shows data for deliveries of petroleum products from 1970 to 2014, split between non-energy uses in total and the major products delivered for energy use. While data for deliveries are considered to be a good proxy for consumption, differences can occur mainly due to stock changes along the chain of consumption. Total deliveries for energy use shown in the first (left-hand) half of the table and include 'own use' by refineries that are separately identified in the right-hand part of the table.

3.1.11 Deliveries of petroleum products peaked in 1973, in common with other aggregate oil figures (see Table 3.1.1). The 'blip' in 1984 reflects the increased deliveries (of fuel oil in particular) during the miners' strike. Fuel oil deliveries are now just 2 per cent of their level in 1970 while gas oil deliveries (excluding DERV fuel) are half their 1970 level. In contrast, deliveries of aviation turbine fuel have more than tripled during the period. After limited growth during the 1970s and early 1980s, deliveries of DERV fuel resumed the high growth rates apparent in the 1960s, and have increased by nearly a quarter over the last 10 years. The upward surge of deliveries of transport fuels slowed in 1990 and ceased in 1991 with the twin impacts of the Gulf crisis and recession, with some recovery being seen in 1992.

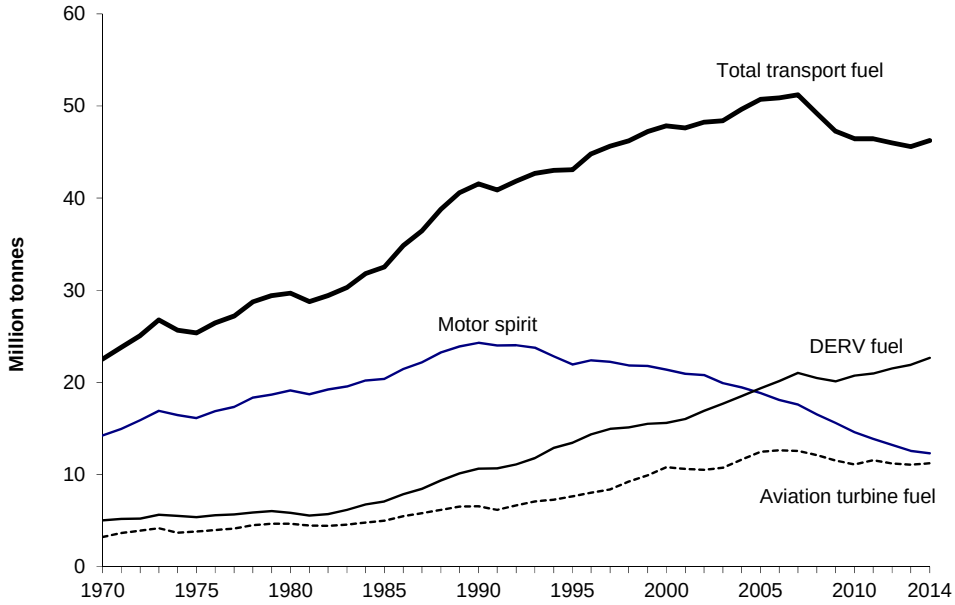
3.1.12 Since 1992, motor spirit deliveries have generally declined each year. In 2010 deliveries of motor spirit were a third lower than in 2000. These changes reflect the switch to diesel-engine cars and are mirrored by the pattern of increases in deliveries of DERV fuel since 1990. Consumption of motor spirit is also lowered by a more efficient road fleet. In 2005, deliveries of DERV fuel exceeded motor spirit in mass terms for the first time, and in 2007 DERV deliveries surpassed motor spirit in terms of both mass and volume, which has continued into 2014. Deliveries of aviation turbine fuel also increased each year from 1992 to 2000. However deliveries of aviation turbine fuel fell in 2001 due to the terrorist attacks on the United States on 11th September 2001 that caused a downturn in the global aviation industry. Developments in Afghanistan and Iraq during 2002 also impacted on the aviation industry with deliveries of aviation turbine fuel in 2002 being 1 per cent lower than in 2001. Deliveries of aviation turbine fuel increased by two thirds between 1990 and 2010. Deliveries increased year on year between 2003 and 2006, but fell year on year between 2007 and 2010. These recent falls in consumption reflect the impacts of the economic downturn, and specific drops in aviation fuel consumption as a result of poor weather and the ash eruption from the Eyjafjallajökull volcano in 2010. - Despite robust passenger numbers post the economic downturn, increased efficiencies in the air-line

industry have meant that fuel deliveries have not kept pace with passenger numbers. Chart 3.1.3 shows the trends in deliveries of all transport fuels from 1970 to 2014.

3.1.13 By the end of the 1980s and during the 1990s deliveries for non-energy uses were not far off their peak of the early to mid-1970s. Non-energy use has declined steadily in recent years, and is down about 40 per cent on the most recent peak, in 2004.

3.1.14 The right hand columns of Table 3.1.2 (headed "Energy industry use" and "Final users") show a sector-by-sector breakdown of the total deliveries for energy use given in the left hand columns. Fuels used in blast furnaces are included in the "other energy industry uses" column rather than in the iron and steel column. Total uses by the transport sector are now roughly double the amount delivered in 1970 as Chart 3.1.3 shows. Deliveries to every other major sector are below 1973 levels - well below for electricity generators, iron and steel and 'other industries', and other final users (mainly agriculture, public administration and commerce).

Chart 3.1.3: Inland deliveries of transport fuels 1970 to 2014



3.1.15 Additional analysis to that presented in this publication has been conducted on the information provided in Tables 3.1.1 and 3.1.2. The main purpose of this analysis was to extend the information provided back as far as possible, which has meant back to 1870 for some information. The tables are available at the link below and an article containing this analysis was published in the March 2007 edition of Energy Trends which is available on request from DECC:
www.gov.uk/government/collections/oil-statistics#historical-data

A publication marking the 60th anniversary of the Digest of UK Energy Statistics is also available:
www.gov.uk/government/collections/digest-of-uk-energy-statistics-dukes#60th-anniversary

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3.1.1 Crude oil and petroleum products: production, imports and exports[(1)(2)]

Thousand tonnes

	Crude oil (3)					Oil products			
	Imports	Indigenous production		Exports	Refinery throughput	Refinery output *(4)*	Exports	Imports	Inland deliveries *(4)*
		Total	Landward						
1970	102,155	156	83	1,182	101,911	94,696	17,424	20,428	91,151
1971	107,736	212	85	1,569	105,342	98,245	17,166	19,369	91,991
1972	107,706	333	85	3,558	106,980	99,368	15,979	20,827	98,469
1973	115,472	372	88	3,235	114,338	105,954	17,404	18,300	99,786
1974	112,822	410	107	1,404	111,217	103,060	14,631	14,537	93,409
1975	91,366	1,564	99	1,524	93,597	86,647	13,924	12,786	82,824
1976	80,466	12,169	99	4,285	97,784	90,284	15,988	10,709	81,579
1977	70,697	38,265	99	16,793	93,615	86,338	14,160	13,050	82,759
1978	68,144	54,006	88	25,200	96,390	89,156	13,194	11,586	84,141
1979	60,380	77,748	121	40,569	97,806	90,583	12,988	12,035	84,554
1980	46,717	80,467	237	40,180	86,341	79,227	14,110	9,245	71,177
1981	36,855	89,454	232	52,206	78,287	72,006	12,256	9,402	66,256
1982	33,754	103,211	253	61,670	77,130	70,747	12,637	12,524	67,246
1983	30,324	114,960	316	69,923	76,876	70,927	13,331	9,907	64,464
1984	32,272	126,065	345	80,143	79,117	73,187	12,478	23,082	81,435
1985	35,576	127,611	380	82,980	78,431	72,904	14,828	13,101	69,781
1986	41,209	127,068	504	87,437	80,155	74,089	15,283	11,767	69,227
1987	41,541	123,351	578	83,220	80,449	74,656	14,980	8,570	67,701
1988	44,272	114,459	761	73,330	85,662	79,837	15,802	9,219	72,317
1989	49,500	91,710	722	51,664	87,669	81,392	16,683	9,479	73,028
1990	52,710	91,604	1,758	56,999	88,692	82,286	16,899	11,005	73,943
1991	57,084	91,261	3,703	55,131	92,001	85,476	19,351	10,140	74,506
1992	57,683	94,251	3,962	57,627	92,334	85,783	20,250	10,567	75,470
1993	61,701	100,189	3,737	64,415	96,273	89,584	23,031	10,064	75,790
1994	53,096	126,542	4,649	82,393	93,161	86,644	22,156	10,441	74,957
1995	48,749	129,894	5,051	84,577	92,743	86,133	24,420	9,879	73,694
1996	50,099	129,742	5,251	81,563	96,660	89,885	26,018	9,310	75,390
1997	49,994	128,234	4,981	79,400	97,023	90,366	29,118	8,706	72,501
1998	47,958	132,633	5,161	84,610	93,797	86,615	24,375	11,418	72,261
1999	44,869	137,099	4,285	91,797	88,286	81,195	21,730	13,896	72,436
2000	54,386	126,245	3,247	92,917	88,013	81,130	20,677	14,212	71,944
2001	53,551	116,678	2,921	86,930	83,343	77,051	19,088	17,234	71,354
2002	56,968	115,944	2,673	87,144	84,784	78,319	23,444	14,900	70,557
2003	54,177	106,073	2,198	74,898	84,585	79,073	23,323	16,472	71,697
2004	62,517	95,374	1,938	64,504	89,821	84,411	30,495	18,545	73,649
2005	58,885	84,721	1,648	54,099	86,134	80,146	29,722	22,481	75,496
2006	59,443	76,578	1,380	50,195	83,213	77,961	28,945	26,836	74,896
2007	57,357	76,575	1,271	50,999	81,477	76,509	29,983	25,110	72,748
2008	60,335	71,789	1,248	48,235	81,034	75,858	28,803	23,741	70,264
2009	55,002	68,199	1,181	45,351	75,551	70,523	25,491	22,172	67,060
2010	55,064	62,962	941	42,064	73,543	68,599	26,065	23,665	66,295
2011	58,092	51,972	678	33,625	75,080	70,122	27,800	22,656	64,243
2012	60,476	44,561	870	30,946	71,839	67,331	29,904	26,207	63,048
2013	59,137	40,646	1,003	33,105	65,687	61,616	26,910	28,769	62,869
2014	53,798	39,928	929	30,946	60,823	57,055	22,748	29,055	62,856

(1) Aggregate monthly data on crude oil production and trade in oil and oil products are available - see Chapter 3 paragraph 3.73 and Annex C.

(2) See paragraphs 3.1.2 to 3.1.9.

(3) Includes natural gas liquids and feedstocks.

(4) Excludes products used as fuels within refinery processes.

3.1.1 Crude oil and petroleum products: production, imports and exports[(1)(2)] (continued)

Net exports			Crude oil			Oil products	
Crude oil *(5)*	Oil products *(5)*	Total *(5)*	Ratio of imports to ref. throughput	Ratio of indigenous production to ref. throughput	Ratio of exports to indigenous production	Imports: Share of inland deliveries	
Thousand tonnes			Ratio			Percentage	
-100,973	-3,004	-103,977	1.002	0.001	7.577	22.4	1970
-106,167	-2,203	-108,370	1.023	0.001	7.401	21.1	1971
-104,148	-4,848	-108,996	1.007	0.002	10.685	21.2	1972
-112,237	-896	-113,133	1.010	0.002	8.696	18.3	1973
-111,418	94	-111,324	1.014	0.002	3.424	15.6	1974
-89,842	1,138	-88,704	0.976	0.012	0.974	15.4	1975
-86,181	5,279	-80,902	0.925	0.118	0.352	13.1	1976
-53,904	1,110	-52,794	0.755	0.409	0.439	15.8	1977
-42,944	1,608	-41,336	0.707	0.560	0.467	13.8	1978
-19,811	953	-18,858	0.617	0.796	0.522	14.2	1979
-6,537	4,865	-1,672	0.541	0.932	0.499	13.0	1980
15,351	2,854	18,205	0.471	1.143	0.583	14.2	1981
27,916	113	28,029	0.438	1.338	0.597	18.6	1982
39,599	3,424	43,023	0.394	1.497	0.608	15.4	1983
48,141	-10,604	37,537	0.408	1.593	0.638	28.3	1984
47,404	1,727	49,131	0.454	1.627	0.650	18.8	1985
46,228	3,516	49,744	0.514	1.585	0.688	17.0	1986
41,679	6,410	48,089	0.516	1.533	0.675	12.7	1987
29,057	6,583	35,640	0.517	1.336	0.641	12.7	1988
2,164	7,204	9,368	0.565	1.046	0.563	13.0	1989
4,289	5,894	10,183	0.594	1.033	0.622	14.9	1990
-1,953	9,211	7,258	0.620	0.992	0.604	13.6	1991
-56	9,683	9,627	0.625	1.021	0.611	14.0	1992
2,714	12,967	15,681	0.641	1.041	0.643	13.3	1993
29,297	11,715	41,012	0.570	1.358	0.651	13.9	1994
35,828	14,541	50,369	0.526	1.401	0.651	13.4	1995
31,464	16,708	48,172	0.518	1.342	0.629	12.3	1996
29,406	20,412	49,818	0.515	1.322	0.619	12.0	1997
36,652	12,957	49,609	0.511	1.414	0.638	15.8	1998
46,928	7,834	54,762	0.508	1.553	0.670	19.2	1999
38,531	6,464	44,995	0.618	1.434	0.736	19.8	2000
33,378	1,854	35,232	0.643	1.400	0.745	24.2	2001
30,176	8,544	38,720	0.672	1.368	0.752	21.1	2002
20,720	6,851	27,571	0.641	1.254	0.706	23.0	2003
1,987	11,950	13,937	0.696	1.062	0.676	25.2	2004
-4,786	7,241	2,455	0.684	0.984	0.639	29.8	2005
-9,249	2,109	-7,140	0.714	0.920	0.655	35.8	2006
-6,357	4,874	-1,484	0.704	0.940	0.666	34.5	2007
-12,100	5,062	-7,037	0.745	0.886	0.672	33.8	2008
-9,652	3,319	-6,333	0.728	0.903	0.665	33.1	2009
-13,000	2,400	-10,600	0.749	0.856	0.668	35.7	2010
-24,468	5,145	-19,323	0.774	0.692	0.647	35.3	2011
-29,529	3,698	-25,832	0.842	0.620	0.694	41.6	2012
-26,032	-1,860	-27,891	0.900	0.619	0.814	45.8	2013
-22,851	-6,307	-29,158	0.884	0.656	0.775	46.2	2014

(5) A minus (-) signifies that in that particular year imports were greater than exports.

3.1.2 Inland deliveries of petroleum [(1)(2)]

Million tonnes

	Total	Deliveries for energy uses								Deliveries for non-energy uses
		Motor spirit	DERV fuel	Aviation turbine fuel	Burning oil	Gas oil (3)	Fuel oils (4)	Petroleum gases	Total for energy uses (5)	
1970	**97.18**	14.24	5.04	3.25	2.48	11.56	42.12	3.54	**87.05**	**10.13**
1971	**98.17**	14.96	5.19	3.67	2.57	12.13	42.74	3.84	**88.04**	**10.13**
1972	**104.89**	15.90	5.25	3.93	2.93	14.56	44.85	4.08	**94.21**	**10.68**
1973	**106.84**	16.93	5.66	4.20	3.18	14.60	43.40	4.43	**95.25**	**11.59**
1974	**100.39**	16.48	5.52	3.69	2.78	13.12	40.71	3.80	**88.53**	**11.86**
1975	**88.85**	16.13	5.41	3.83	2.63	12.61	33.81	3.51	**79.41**	**9.44**
1976	**87.92**	16.88	5.59	3.99	2.62	12.53	30.90	3.85	**77.81**	**10.11**
1977	**89.00**	17.34	5.71	4.17	2.62	13.38	30.74	3.88	**79.28**	**9.72**
1978	**90.56**	18.35	5.88	4.51	2.65	13.19	31.50	3.84	**81.16**	**9.40**
1979	**91.09**	18.69	6.06	4.67	2.70	13.49	30.95	3.88	**81.56**	**9.53**
1980	**77.50**	19.15	5.85	4.69	2.10	11.62	22.69	3.52	**70.50**	**7.00**
1981	**71.70**	18.72	5.55	4.50	1.91	10.93	18.64	3.15	**64.15**	**7.55**
1982	**72.79**	19.25	5.73	4.47	1.75	10.50	19.16	3.45	**65.19**	**7.60**
1983	**69.77**	19.57	6.18	4.57	1.66	9.88	15.03	3.84	**61.75**	**8.02**
1984	**86.79**	20.23	6.76	4.83	1.71	9.92	30.26	3.79	**78.61**	**8.18**
1985	**74.96**	20.40	7.11	5.01	1.87	9.71	18.19	3.15	**66.48**	**8.48**
1986	**74.62**	21.47	7.87	5.50	2.02	9.22	14.64	3.46	**65.26**	**9.36**
1987	**72.92**	22.18	8.47	5.82	2.03	8.51	11.90	3.45	**63.52**	**9.40**
1988	**77.80**	23.25	9.37	6.20	1.99	8.39	13.83	3.62	**67.80**	**10.00**
1989	**78.85**	23.92	10.12	6.56	1.94	8.26	13.14	3.88	**68.97**	**9.88**
1990	**79.78**	24.31	10.65	6.59	2.06	8.03	14.02	3.88	**70.61**	**9.17**
1991	**80.56**	24.02	10.69	6.18	2.38	8.02	14.17	4.00	**70.61**	**9.95**
1992	**81.55**	24.04	11.13	6.67	2.47	7.86	13.74	3.84	**70.92**	**10.63**
1993	**82.18**	23.77	11.81	7.11	2.63	7.78	13.13	4.05	**71.45**	**10.73**
1994	**81.22**	22.84	12.91	7.28	2.66	7.51	11.73	4.06	**70.04**	**11.18**
1995	**80.17**	21.95	13.46	7.66	2.77	7.25	10.30	4.26	**68.85**	**11.32**
1996	**82.01**	22.41	14.37	8.05	3.34	7.65	9.15	4.55	**70.72**	**11.29**
1997	**79.25**	22.25	14.98	8.41	3.34	7.38	6.25	4.22	**68.30**	**10.95**
1998	**78.44**	21.85	15.14	9.24	3.57	7.31	5.35	4.05	**67.75**	**10.69**
1999	**77.97**	21.79	15.51	9.94	3.63	6.73	4.45	3.97	**67.24**	**10.73**
2000	**77.20**	21.40	15.63	10.81	3.84	6.81	3.35	3.99	**67.14**	**10.05**
2001	**76.41**	20.94	16.06	10.61	4.24	6.60	4.26	3.76	**67.53**	**8.89**
2002	**76.23**	20.81	16.93	10.52	3.58	5.94	3.77	3.84	**66.56**	**9.67**
2003	**77.15**	19.92	17.71	10.76	3.57	6.24	3.56	3.90	**66.74**	**10.41**
2004	**79.07**	19.48	18.51	11.64	3.95	5.97	3.74	4.11	**68.48**	**10.58**
2005	**81.10**	18.85	19.38	12.50	3.87	6.83	3.78	4.19	**70.66**	**10.44**
2006	**79.77**	18.09	20.16	12.64	4.02	6.31	3.25	4.15	**70.02**	**9.76**
2007	**77.42**	17.61	21.04	12.57	3.63	6.12	3.23	3.88	**69.46**	**7.97**
2008	**74.97**	16.54	20.50	12.14	3.68	5.63	2.66	4.16	**67.38**	**7.59**
2009	**71.36**	15.61	20.11	11.53	3.73	5.03	2.11	3.83	**64.01**	**7.35**
2010	**70.67**	14.60	20.74	11.12	4.01	5.06	1.89	4.06	**63.57**	**7.11**
2011	**68.83**	13.89	20.99	11.57	3.29	4.72	1.41	4.01	**61.77**	**7.06**
2012	**67.35**	13.23	21.54	11.22	3.33	5.15	1.05	3.43	**61.24**	**6.11**
2013	**66.63**	12.57	21.93	11.24	3.51	5.17	0.91	3.04	**60.28**	**6.34**
2014	**66.10**	12.33	22.68	11.22	3.18	5.24	0.73	2.89	**59.88**	**6.22**

(1) Aggregate monthly and quarterly data on inland deliveries of oil products are available - see Chapter 3, paragraph 3.73 and Annex C.

(2) This table has been revised from previous editions to be fully compliant with the commodity balances format used in Chapter 3, Tables 3.2 to 3.4. This has involved adding in the refinery fuel elements into the above product totals, and an adjustment to the data for fuels used by the iron and steel industry as detailed in footnote (6) below.

(3) Other than DERV fuel. From 1999 includes marine diesel oil.

3.1.2 Inland deliveries of petroleum (1)(2) (continued)

Million tonnes

Energy industry use				Final users					
Electricity generators	Gas works	Refineries	Other energy industry uses (6)	Iron & steel	Other industries	Transport	Domestic	Other final users (7)	
12.60	4.56	6.03	4.25	1.42	21.55	25.00	3.05	8.59	1970
14.68	2.59	6.18	3.97	1.32	21.55	26.07	3.01	8.67	1971
18.87	2.21	6.42	3.78	1.26	22.14	27.14	3.48	8.91	1972
16.95	2.32	7.05	3.74	1.25	22.18	28.96	3.80	9.00	1973
17.21	1.28	6.95	3.02	1.01	19.82	27.92	3.38	7.95	1974
12.82	0.59	6.03	2.48	0.83	17.89	27.57	3.27	7.93	1975
10.18	0.25	6.34	2.48	0.83	18.06	28.60	3.27	7.80	1976
10.60	0.16	6.24	2.21	0.74	18.06	29.37	3.31	8.60	1977
11.64	0.35	6.42	2.12	0.71	17.55	30.87	3.26	8.24	1978
11.12	0.42	6.49	2.14	0.71	17.62	31.58	3.21	8.27	1979
6.52	0.31	6.27	1.19	0.40	14.51	31.74	2.55	7.01	1980
4.86	0.25	5.45	1.00	0.33	12.67	30.63	2.31	6.65	1981
6.87	0.21	5.55	0.89	0.30	11.64	31.31	2.15	6.28	1982
4.65	0.16	5.30	0.77	0.26	10.23	32.25	2.14	6.00	1983
20.91	0.16	5.35	0.63	0.21	9.39	33.82	2.14	6.00	1984
9.72	0.15	5.18	0.52	0.17	8.43	34.46	2.20	5.65	1985
5.66	0.17	5.40	0.50	0.17	9.02	36.66	2.32	5.36	1986
5.36	0.09	5.05	0.42	0.14	7.36	38.22	2.21	4.67	1987
6.07	0.06	5.29	0.55	0.18	8.23	40.62	2.13	4.67	1988
6.17	0.05	5.62	0.56	0.19	7.52	42.54	2.11	4.21	1989
7.98	0.05	5.07	0.53	0.18	7.03	43.45	2.22	4.11	1990
7.56	0.05	5.26	0.53	0.18	7.49	42.86	2.52	4.17	1991
8.32	0.04	4.16	0.51	0.17	7.13	43.79	2.58	4.22	1992
6.02	0.04	5.89	0.64	0.21	7.17	44.56	2.71	4.21	1993
4.04	0.05	6.04	0.67	0.22	7.47	44.82	2.70	4.03	1994
4.37	0.05	5.99	0.62	0.21	6.41	44.81	2.70	3.69	1995
3.57	0.05	6.50	0.65	0.09	6.41	46.64	3.17	3.65	1996
2.24	0.05	6.16	0.57	0.11	5.68	47.32	3.06	3.12	1997
1.40	0.05	6.18	0.27	0.08	5.75	47.92	3.20	2.92	1998
1.17	0.05	5.54	0.98	0.06	5.28	48.85	2.85	2.47	1999
0.98	0.04	5.25	0.90	0.14	5.35	49.45	2.92	2.11	2000
0.97	0.00	5.06	0.82	0.08	5.98	49.11	3.18	2.32	2001
0.67	0.00	5.68	0.44	0.08	5.62	49.64	2.78	1.66	2002
0.54	0.00	5.46	0.38	0.02	6.25	50.29	2.76	1.05	2003
0.59	0.00	5.42	0.36	0.03	6.27	51.55	2.94	1.32	2004
1.26	0.00	5.60	0.33	0.02	5.92	52.77	2.78	1.62	2005
1.24	0.00	4.88	0.29	0.02	5.50	53.33	2.93	1.40	2006
1.13	0.00	4.68	0.26	0.06	5.43	53.49	2.59	1.41	2007
1.58	0.00	4.71	0.27	0.01	5.46	50.88	2.73	1.30	2008
1.56	0.00	4.30	0.12	0.01	4.73	48.87	2.71	1.15	2009
1.14	0.00	4.38	0.07	0.01	5.06	48.07	3.08	1.15	2010
0.72	0.00	4.59	0.07	0.00	4.11	48.01	2.40	1.25	2011
0.69	0.00	4.30	0.08	0.00	4.31	47.49	2.43	1.23	2012
0.55	0.00	3.76	0.06	0.00	4.01	47.22	2.58	1.37	2013
0.47	-	3.24	0.07	0.01	4.03	47.65	2.30	1.38	2014

(4) Includes Orimulsion from 1989. Imports / deliveries of Orimulsion ceased in February 1997.

(5) Includes aviation spirit, naphtha (LDF) for gasworks and wide cut gasoline.

(6) Use of gas oil & fuel oil by iron & steel industry in blast furnaces. Data from 1999 provided by the Iron & Steel Statistics Bureau and include estimates of fuel used to generate heat that is sold to third parties.

(7) Mainly agriculture, public administration, commerce and other services.

Chapter 4: Long term trends

Gas

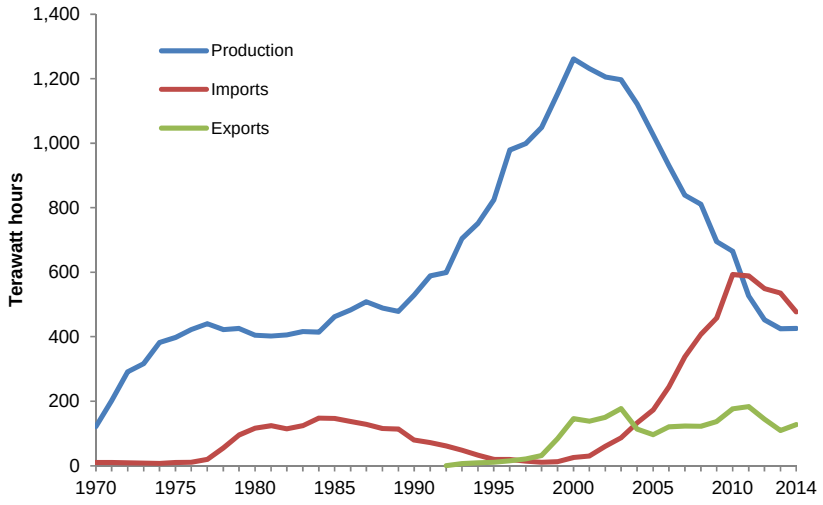
Natural gas and colliery methane production and consumption (Table 4.1.1)

4.1.1 Table 4.1.1 shows data for production, imports, exports, and the consumption of natural gas and colliery methane by major sector in each year from 1970 to 2014. Separate figures are shown for consumption of town gas and methane. Total consumption in Table 4.1.1 is defined to match the definition of gas consumption used in the gas tables before the 1999 Digest. This enables a consistent long term series to be presented.

4.1.2 Chart 4.1.1 illustrates the data in Table 4.1.1. It shows how the supply of natural gas became established during the first part of the 1970s. Thereafter, the supply of natural gas continued to grow less rapidly, with indigenous production bolstered from 1977 by imports from the Norwegian sector of the North Sea. By 1998 imports had fallen to only 7 per cent of their peak in the mid-1980s. This was due to both the depletion of the (mainly Norwegian) Frigg field (which ceased production in October 2004), along with the resurgence of UK production, which achieved a new record each year from 1989 to 2000. Since 2000, UK production has fallen by over 66 per cent, as UK reserves deplete.

4.1.3 The first exports of natural gas were seen in 1992 from the United Kingdom's share of the Markham gas field to the Netherlands. In 1995, these were supplemented by the first exports to the Republic of Ireland, followed by the start of gas exports from the Windermere field via the Markham field during 1997, and exports via the UK-Belgium interconnector during 1998. By 2000, exports were almost six times the volume of imports. This pattern has now reversed: by 2014, imports were nearly four times the volume of exports.

Chart 4.1.1: Production, imports and exports of natural gas 1970 to 2014



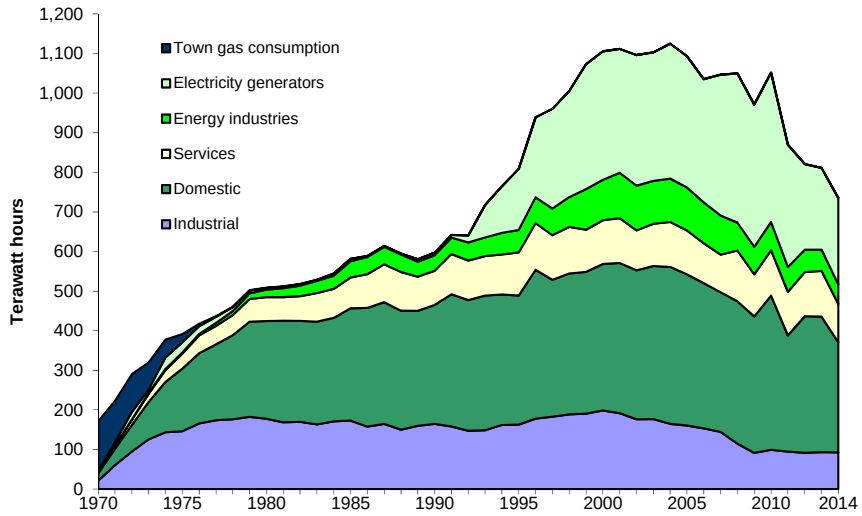
4.1.4 In October 2001, new gas supplies began to arrive from the Norwegian sector of the North Sea via the newly commissioned Vesterled pipeline. In December 2003 imports re-commenced from the UK/Norway trans-median line Statfjord field. These additional supplies of gas from the Norwegian sector of the North Sea saw the UK become a net importer of gas in 2004 for the first time since 1996. In 2005, imports of liquefied natural gas (LNG) via the Isle of Grain import/storage facility began increasing UK net imports. In October 2006, the first gas flowed through the Langeled pipeline giving the UK additional access to Norwegian gas fields. Also in October 2006, the compressors at Zeebrugge were upgraded increasing the import capacity through UK-Belgium interconnector. In December 2006, a second interconnector from Balgzand in the Netherlands to Bacton gave the UK access to the Dutch Continental Shelf. In 2007 three new fields, Chiswick, Grove and Minke, joined Markham and Windermere in exporting gas directly to the Netherlands. 2007 also saw gas exports to

Norway, ie UK gas from the Blane field to the Norwegian Ula field for injection into the Ula reservoir. In 2008 additional direct exports of gas to the Netherlands began from the new Stamford field.

4.1.5 In 2009, two new LNG import facilities became operational. As a result, LNG's share of total gas imports rose to 47 per cent in 2011. Strong competition from the global market for LNG resulted in a drop back from this peak to 2014 when increasing global supply and weaker than expected demand in Asia resulted in an upturn in LNG imports to the UK.

4.1.6 Chart 4.1.2 shows where natural gas has been consumed. The bulk of the rapid growth in consumption in the 1970s was in the domestic and industrial sectors. Industrial use of gas has fallen recently, and by 2014 was less than half that in 2000. Between 1980 and 2004, gas consumption by the service sector (see Table 4.1.1 for definition) increased by almost 90 per cent and has remained reasonably stable until 2014. Domestic gas use has been between 300 and 400TWh since the mid-1980s. Over the past five years, domestic gas use has been strongly influenced by UK temperature variation.

4.1.2: Consumption of town gas and natural gas 1970 to 2014



4.1.7 The largest increase in gas consumption occurred in the 1990s with the growth of gas fired generation. Gas use for generation grew from 6.5 TWh in 1990 to 324.6 TWh in 2000. However, since 2010, gas use for electricity generation has dropped by 42 per cent. This reflects a shift from gas to coal, brought about by more favourable coal prices. Overall consumption of natural gas continues to fall from its peak in 2004, and in 2014 was 35 per cent below this peak.

4.1.8 A more detailed examination of historical gas statistics was published in the December 2001 issue of Energy Trends. This looked at trends since 1882 in gas production, gas consumption and fuel used in the past to manufacture gas. The updated data set on which the article is based is available on the DECC section of the GOV.UK website at: www.gov.uk/government/collections/gas-statistics#historical-data. The original article is available on request from DECC.

4.1.9 Analysis of gas statistics from 1948 to 2008 can also be found in chapter 4 of the DUKES: 60th anniversary article, available at:
www.gov.uk/government/collections/digest-of-uk-energy-statistics-dukes#60th-anniversary

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4.1.1 Natural gas and colliery methane production and consumption 1970 to 2014

GWh

	Production		Imports	Exports	Total for consumption			Domestic	
	Town gas *(1)*	Methane *(2)*	Methane *(3)*	Methane	**Total**	Town gas	Methane *(2)*	Town gas	Methane
1970	49,617	121,712	9,759	-	**171,564**	125,933	45,631	85,430	18,376
1971	24,882	201,721	9,730	-	**222,616**	104,245	118,371	73,502	41,675
1972	17,848	291,078	8,968	-	**290,287**	95,834	194,453	64,974	67,172
1973	21,336	317,132	8,587	-	**319,917**	68,286	251,631	46,598	94,515
1974	12,221	382,253	7,122	-	**377,388**	44,840	332,548	30,450	127,339
1975	5,393	397,932	9,818	-	**391,250**	20,984	370,237	14,507	158,141
1976	1,700	421,700	11,254	-	**417,655**	6,272	411,120	4,250	177,279
1977	762	440,544	19,548	-	**436,793**	2,051	434,742	1,290	191,844
1978	615	422,257	55,361	-	**460,297**	938	459,359	557	212,242
1979	674	425,832	95,424	-	**502,382**	1,055	501,327	586	240,465
1980	586	404,760	116,291	-	**508,684**	909	507,775	557	246,766
1981	557	401,742	124,262	-	**512,112**	791	511,321	469	256,379
1982	557	405,815	115,001	-	**518,149**	674	517,475	410	255,118
1983	586	416,454	124,497	-	**528,642**	528	528,114	322	259,661
1984	557	414,314	147,415	-	**544,584**	498	544,086	293	261,507
1985	498	461,851	147,122	-	**581,717**	469	581,248	293	283,517
1986	440	483,040	137,099	-	**588,691**	410	588,281	234	299,929
1987 *(4)*	322	508,126	128,893	-	**614,247**	322	613,925	147	307,578
1988	88	489,133	115,441	-	**594,766**	88	594,678	29	300,515
1989	-	478,931	113,770	-	**580,522**	-	580,522	-	290,557
1990	-	528,843	79,833	-	**597,046**	-	597,046	-	300,410
1991	-	588,822	72,007	-	**641,763**	-	641,763	-	333,963
1992	-	598,761	61,255	620	**640,818**	-	640,818	-	330,101
1993	-	703,971	48,528	6,824	**717,357**	-	717,357	-	340,162
1994	-	751,588	33,053	9,557	**764,667**	-	764,667	-	329,710
1995	-	823,336	19,457	11,232	**808,786**	-	808,786	-	326,010
1996	-	979,019	19,804	15,203	**938,848**	-	938,848	-	375,841
1997	-	998,871	14,062	21,666	**960,243**	-	960,243	-	345,532
1998	-	1,048,859	10,582	31,604	**1,005,306**	-	1,005,306	-	355,895
1999	-	1,152,635	12,862	84,433	**1,072,963**	-	1,072,963	-	358,066
2000	-	1,260,656	26,032	146,342	**1,105,537**	-	1,105,537	-	369,909
2001	-	1,231,263	30,464	138,330	**1,111,729**	-	1,111,729	-	379,426
2002	-	1,205,405	60,493	150,731	**1,096,267**	-	1,096,267	-	376,372
2003	-	1,197,030	86,298	177,039	**1,102,774**	-	1,102,774	-	386,486
2004	-	1,121,257	133,033	114,112	**1,124,996**	-	1,124,996	-	396,411
2005	-	1,025,989	173,328	96,181	**1,093,331**	-	1,093,331	-	381,879
2006	-	930,538	244,029	120,591	**1,035,325**	-	1,035,325	-	366,928
2007	-	838,809	338,026	123,158	**1,046,817**	-	1,046,817	-	352,868
2008	-	810,390	407,188	122,670	**1,083,378**	-	1,083,378	-	359,554
2009	-	694,687	457,447	137,100	**1,000,800**	-	1,000,800	-	344,499
2010	-	665,182	592,554	176,399	**1,083,573**	-	1,083,573	-	389,595
2011	-	526,711	588,475	183,689	**898,679**	-	898,679	-	293,400
2012	-	452,696	549,518	144,023	**851,834**	-	851,834	-	345,080
2013	-	424,757	535,105	109,664	**841,397**	-	841,397	-	342,501
2014	-	425,459	477,163	127,907	**766,203**	-	766,203	-	278,101

(1) In most years production of town gas is less than consumption because of transfers into town gas of North Sea and imported methane.

(2) Includes colliery methane.

(3) Before 1977 imports were of liquefied natural gas. These imports continued until the early 1980s.

(4) From 1987 data for industrial use of gas exclude gas used for electricity generation within industry (see Chapter 1, paragraph 1.27).

4.1.1 Natural gas and colliery methane production and consumption 1970 to 2014 (continued)

GWh

Analysis of consumption							
Industrial *(5)*		Electricity generators	Other energy industries *(6)*		Services *(7)*		
Town gas	Methane *(2)*	Methane *(2)*	Town gas *(8)*	Methane *(2)*	Town gas	Methane	
20,691	20,808	1,858	-	1,160	19,812	3,428	1970
12,075	60,431	7,808	-	926	18,669	7,531	1971
13,423	94,662	18,563	-	633	17,438	13,423	1972
9,173	125,552	8,453	-	2,743	12,514	20,369	1973
5,744	143,341	28,967	-	3,094	8,646	29,806	1974
2,579	146,067	25,245	-	3,241	3,898	37,542	1975
791	165,644	19,501	-	3,563	1,231	45,132	1976
352	173,820	15,310	-	7,637	410	46,131	1977
176	176,253	10,006	-	9,952	205	50,906	1978
205	182,232	7,104	-	14,143	264	57,382	1979
147	177,513	4,027	-	19,096	205	60,373	1980
147	168,574	4,174	-	22,320	176	59,874	1981
88	169,717	3,793	-	26,657	176	62,190	1982
59	163,123	2,357	-	30,819	147	72,154	1983
59	170,831	5,317	-	33,193	147	73,238	1984
29	172,941	5,873	-	41,135	147	77,781	1985
29	157,496	2,269	-	43,421	147	85,166	1986
29	164,442	2,415	-	43,743	147	95,746	1987 *(4)*
-	149,935	2,407	-	44,109	59	97,712	1988
-	159,701	6,210	-	37,850	-	86,204	1989
-	164,595	6,513	-	39,159	-	86,369	1990
-	157,932	6,650	-	41,472	-	101,746	1991
-	147,218	17,969	-	45,660	-	99,871	1992
-	148,522	81,848	-	47,006	-	99,819	1993
-	161,815	117,606	-	54,700	-	100,836	1994
-	162,797	154,393	-	56,565	-	109,020	1995
-	177,794	201,969	-	65,336	-	117,908	1996
-	182,867	251,822	-	67,245	-	112,777	1997
-	188,595	267,733	-	75,459	-	117,624	1998
-	190,415	315,493	-	102,502	-	106,487	1999
-	198,506	324,563	-	102,103	-	110,456	2000
-	191,600	312,939	-	114,653	-	113,111	2001
-	176,168	329,847	-	113,047	-	100,833	2002
-	176,778	324,580	-	108,197	-	106,733	2003
-	164,702	340,824	-	109,584	-	113,475	2004
-	160,295	331,658	-	108,709	-	110,791	2005
-	153,065	311,408	-	103,270	-	100,654	2006
-	144,298	355,878	-	98,946	-	94,827	2007
-	123,630	376,810	-	95,251	-	128,133	2008
-	98,601	359,303	-	91,904	-	106,492	2009
-	107,659	377,121	-	94,285	-	114,912	2010
-	100,918	309,076	-	85,388	-	109,898	2011
-	97,560	216,543	-	81,159	-	111,493	2012
-	98,966	206,322	-	78,237	-	115,372	2013
-	98,260	218,395	-	75,069	-	96,377	2014

(5) Industrial consumption in Chapter 4, Tables 4.1 and 4.2 plus use in coke manufacture and blast furnaces and non energy gas use.

(6) Energy industry use in Chapter 4, Tables 4.1 and 4.2 less use in coke manufacture and blast furnaces plus gas transferred to heat for sale.

(7) Public administration, commercial, agriculture and miscellaneous in Chapter 4, Tables 4.1 and 4.2.

(8) Town gas consumption by the energy industries is included with the industrial sector.

Chapter 5: Long term trends

Electricity

Fuel input for electricity generation (Table 5.1.1)

5.1.1 This table extends the series shown in Table 5.3 of Chapter 5 of the main Digest back to 1970. For the period up to 1987, only fuel inputs for electricity generation at stations owned by the major power producers, transport undertakings, and industrial hydro-electric and nuclear power stations are given; data for conventional thermal electricity generated by industrial producers are not available for this period. From 1987 onwards the table covers all generating companies. Trends in percentage shares of electricity generation are shown in Chart 5.1.1.

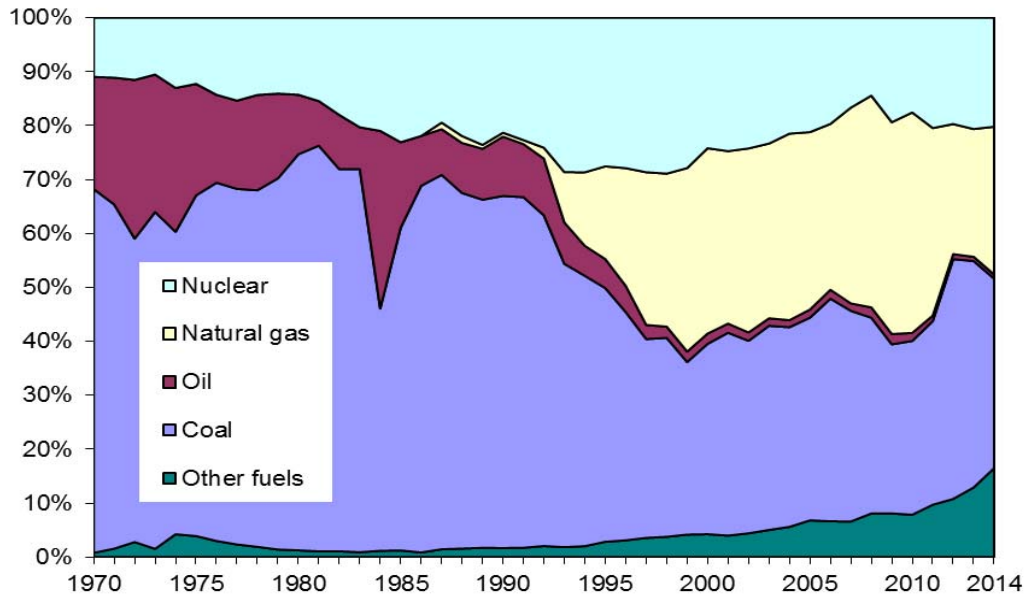
5.1.2 In 1970, coal provided over two thirds of the fuel input for electricity generation, oil made up two thirds of the rest. By 1999, coal's share had fallen to 32 per cent. Making up for station unavailability and substituting high priced gas since, its share recovered to 38 per cent in 2001 and continued to rise as gas prices rose making coal more attractive to purchase. During 2014, coal's share in the generation mix decreased by seven percentage points on the 2013 share of 42 per cent. This was due to reduced capacity as a result of the closure of several power stations and the conversion of a second unit at Drax from coal to biomass.

5.1.3 Oil use peaked in 1972 at 29 per cent of fuel input, but fell after the oil supply crisis in 1973, briefly rising during the 1984/85 coal miners' dispute. Since then it has become the minority fuel representing 0.8 per cent in the 2014 electricity generation mix.

5.1.4 Between 1975 and 1990, a European Community directive limited the use of natural gas in public supply power stations. During the 1990s, gas use in electricity generation grew, its share rising from 2 per cent to 35 per cent in 2005 but has since declined due to high gas prices. In 2014, gas use in electricity generation grew three percentage points to 27 per cent due to lower wholesale gas prices during the year and to help meet the shortfall caused by nuclear outages.

5.1.5 Nuclear generation grew from 11 per cent in 1970, peaking at 29 per cent of input in 1998. Outages and older station closures reduced this, stabilizing at around 20 per cent between 2011 and 2014. Since the early 1990s, the share of other low carbon fuels in the generation mix has grown, from 1.7 per cent in 1990 to 16 per cent in 2014, as renewables generation increases[1].

Chart 5.1.1 Percentage shares of fuel input for electricity generation, 1970 to 2014



[1] Further information can be found in the long term trends chapter 6, which focuses on renewables.

Electricity supply, availability and consumption (Table 5.1.2)

5.1.6 Figures for the supply, availability and consumption of electricity are given in Table 5.1.2. This table retains the nomenclature of electricity chapters in the 1999 and earlier Digests, whereas the balance methodology has introduced a new nomenclature (see Chapter 5 of the main Digest, paragraph 5.33 and Table 5.5). The series in Table 5.1.2 are extended back to 1970.

5.1.7 Virtually all electricity came from the UK until the France-England interconnector opened in 1986. Net imports from France provided over 5 per cent of electricity available in 1994. By 2002 the proportion of imports fell, as did electricity prices, removing French electricity's previous cost benefits. In 2003, exports to continental Europe increased, due to higher electricity prices there, reducing net imports to 0.6 per cent of electricity available but increased to a record 6.4 per cent in 2014 as electricity produced in the UK declined from 376.5 TWh in 2003 to 318.1 TWh in 2014.

5.1.8 Industrial electricity consumption accounted for nearly 40 per cent of consumption in 1970, decreasing gradually to 31 per cent in 2014.

5.1.9 The domestic sector's share of total consumption was around 40 per cent during the 1970's, declining to just over one third in the 1980's and has remained around those levels since then.

5.1.10 The biggest growth in consumption has been in the services sector, its share of consumption rising gradually from 21 per cent in 1970 to 33 per cent in 2014.

Electricity generated and supplied (Table 5.1.3)

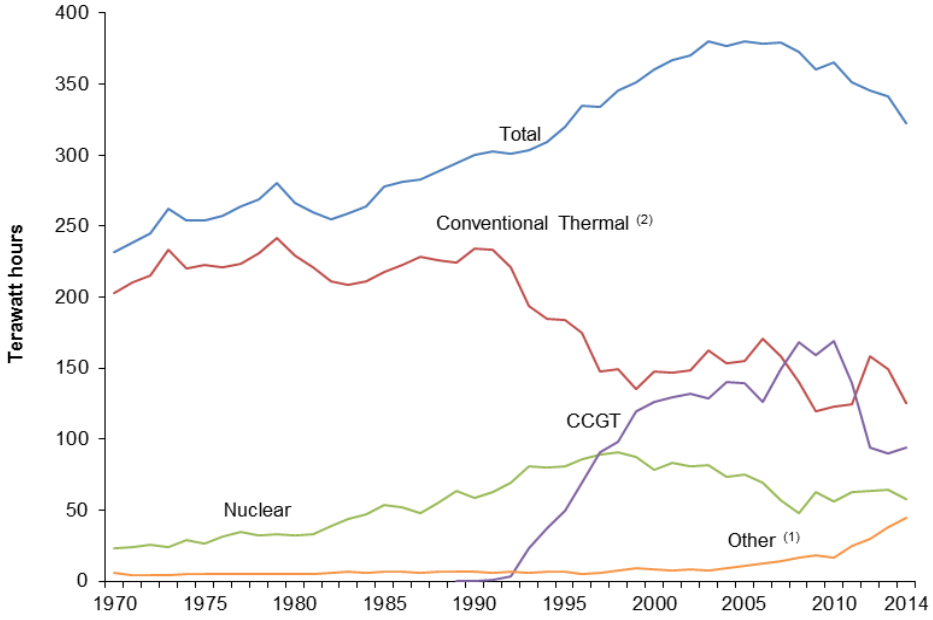
5.1.11 Figures for the generation and supply of electricity are given in Table 5.1.3. This table retains the nomenclature of electricity chapters in the 1999 Digest and earlier, whereas the balance methodology has introduced a new nomenclature (see Chapter 5 of the main Digest, paragraph 5.33 and Table 5.4). Data are given for major power producers, for other generators and for all generators in total, with separate series for the different types of power station.

5.1.12 Total gross electricity supplied has gradually increased since 1970 and first peaked in 2003 at 380.1 TWh. Over the long term, this has been the result of the increase in electricity supplied by nuclear stations and the introduction of electricity supplied by combined cycle gas turbines plants (CCGTs) from 1990. In the short term, there was also a sharp increase of 13.6 TWh of electricity supplied by conventional thermal plants on 2002. From 2003, total gross electricity supplied declined, to 322.4 TWh in 2014 due to less supply from conventional thermal and nuclear plants.

5.1.14 In 1970, conventional thermal power stations produced 88 per cent of gross electricity supplied; output peaked in 1990 before falling due to new generating technologies developing. Nuclear generation supplied only 10 per cent of total gross electricity by UK generators in 1970 but by 1993 accounted for 27 per cent. Since then nuclear's share has generally seen a downward trend due to the growth of supply from CCGT plants. In 2014, electricity supplied by nuclear plants was 18 per cent (57.9 TWh) of total gross electricity supplied.

5.1.15 The share of non-thermal renewables' of electricity supplied has varied between 1 and 4 per cent since 1970. However, the share has increased by around two percentage points year-on-year since 2010, and represented 13 per cent of total gross electricity supplied during 2014, the highest share recorded, mainly due to large expansion in wind generation capacity.

Chart 5.1.2: Gross electricity supplied by all generating companies by type of plant, 1970 to 2014



5.1.16 A more detailed examination of historical electricity statistics was published as an article in the September 2002 issue of Energy Trends. This looked at trends in the generation, supply and consumption of electricity over the last 80 years. The updated data set on which the article is based is available on the DECC section of the GOV.UK website at: www.gov.uk/government/collections/electricity-statistics#historical-data. The original article is available on request from DECC.

5.1.17 Analysis of electricity statistics from 1948 to 2008 can also be found in chapter 5 of the DUKES: 60th anniversary publication, available at:
www.gov.uk/government/collections/digest-of-uk-energy-statistics-dukes#60th-anniversary

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5.1.1 Fuel input for electricity generation

Million tonnes of oil equivalent

	Total all fuels	Coal	Oil *(1)*	Natural gas *(2)*	Electricity			Coke and breeze	Other fuels *(4)*	Shannon-Weiner measure of diversity
					Nuclear	Natural flow hydro *(3)*	Wind *(3)*			
1970	**63.84**	43.07	13.27	0.11	7.00	0.39	-	-	-	0.88
1971	**66.46**	42.42	15.63	0.64	7.37	0.29	-	0.11	-	0.95
1972	**68.37**	38.47	20.13	1.61	7.87	0.29	-	-	-	1.05
1973	**70.93**	44.30	18.09	0.64	7.46	0.33	-	0.11	-	0.96
1974	**69.01**	38.71	18.41	2.46	8.97	0.35	-	0.11	-	1.10
1975	**66.25**	41.85	13.70	2.14	8.12	0.33	-	0.11	-	1.02
1976	**66.97**	44.49	10.92	1.61	9.56	0.39	-	-	-	0.96
1977	**69.32**	45.71	11.35	1.28	10.64	0.34	-	-	-	0.96
1978	**69.64**	46.05	12.31	0.86	9.96	0.35	-	0.11	-	0.95
1979	**72.80**	50.10	11.45	0.54	10.23	0.37	-	0.11	-	0.90
1980	**69.46**	51.01	7.67	0.42	9.91	0.34	-	0.11	-	0.81
1981	**65.98**	49.64	5.46	0.21	10.18	0.38	-	0.11	-	0.77
1982	**65.98**	46.75	6.64	0.21	11.88	0.39	-	0.11	-	0.84
1983	**66.37**	47.16	5.14	0.21	13.47	0.39	-	-	-	0.81
1984	**69.18**	31.07	22.80	0.42	14.50	0.39	-	-	-	1.11
1985	**71.54**	42.81	11.35	0.54	16.50	0.34	-	-	-	1.00
1986	**70.46**	47.91	6.51	0.18	15.44	0.41	-	-	-	0.89
1987 *(5)*	**70.50**	50.37	5.14	0.19	14.44	0.36	-	-	-	0.80
1987 *(5)*	**74.31**	51.58	6.30	0.91	14.44	0.36	-	-	0.72	0.91
1988	**75.57**	49.83	7.01	0.97	16.57	0.42	-	-	0.77	0.96
1989	**75.27**	48.59	7.11	0.54	17.74	0.41	-	-	0.88	0.96
1990	**76.34**	49.84	8.40	0.56	16.26	0.44	-	-	0.84	0.97
1991	**76.87**	49.98	7.56	0.57	17.43	0.39	-	-	0.94	0.96
1992	**76.57**	46.94	8.07	1.54	18.45	0.46	-	-	1.09	1.05
1993	**75.40**	39.61	5.78	7.04	21.58	0.37	-	-	1.02	1.20
1994	**74.01**	37.10	4.11	10.10	21.20	0.44	-	-	1.06	1.23
1995	**77.15**	36.29	4.15	13.27	21.25	0.40	-	-	1.79	1.28
1996	**79.56**	33.67	3.87	17.37	22.18	0.29	0.04	-	2.14	1.32
1997	**76.76**	28.30	2.01	21.74	21.98	0.38	0.06	-	2.29	1.32
1998	**81.14**	29.94	1.69	23.02	23.44	0.44	0.08	-	2.52	1.31
1999	**79.72**	25.51	1.54	27.13	22.22	0.46	0.07	-	2.79	1.32
2000	**81.21**	28.67	1.55	27.91	19.64	0.44	0.08	-	2.93	1.31
2001	**84.01**	31.61	1.42	26.87	20.77	0.35	0.08	-	2.91	1.29
2002	**83.00**	29.63	1.29	28.33	20.10	0.41	0.11	-	3.13	1.30
2003	**85.95**	32.54	1.19	27.85	20.04	0.28	0.11	-	3.93	1.30
2004	**84.57**	31.31	1.10	29.25	18.16	0.42	0.17	-	4.15	1.31
2005	**86.68**	32.58	1.31	28.52	18.37	0.42	0.25	-	5.23	1.34
2006	**87.06**	35.94	1.43	26.78	17.13	0.39	0.36	-	5.02	1.33
2007	**84.28**	32.92	1.16	30.60	14.04	0.44	0.46	-	4.68	1.31
2008	**82.52**	29.96	1.58	32.40	11.91	0.44	0.61	-	4.67	1.32
2009	**78.67**	24.66	1.51	30.89	15.23	0.45	0.80	-	4.87	1.37
2010	**79.33r**	25.56	1.18	32.43r	13.93	0.31	0.89r	-	5.04r	1.35
2011	**76.42r**	26.03	0.78	26.58r	15.63	0.49	1.37r	-	5.56r	1.40
2012	**77.20r**	34.33	0.73	18.62r	15.21	0.45	1.82r	-	6.05r	1.39
2013	**74.88r**	31.43r	0.59	17.74r	15.44	0.40	2.62	-	6.65r	1.43r
2014	**68.57**	24.12	0.53	18.78	13.85	0.51	3.10	-	7.69	1.50

(1) Includes oil used in gas turbine and diesel plant or for lighting up coal fired boilers, Orimulsion (until 1997), and refinery gas (from 1987).
(2) Includes colliery methane from 1987 onwards.
(3) Fuel inputs have been calculated on an energy supplied basis - see explanatory notes at Chapter 5, paragraph 5.74.
(4) Main fuels included are coke oven gas, blast furnace gas, waste products from chemical processes, refuse derived fuels and other renewable sources.
(5) Data for all generating companies are only available from 1987 onwards, and the figures for 1987 to 1989 include a high degree of estimation. Before 1987 the data are for major power producers, transport undertakings and industrial hydro and nuclear stations only.

5.1.2 Electricity supply, availability and consumption

TWh

	Electricity supplied (net)	Purchases from other producers	Net imports *(1)*	Electricity available	Losses in transmission etc *(2)*	Electricity consumption					
						Total	Fuel industries	Final users *(5)*			
								Industrial	Domestic	Other *(3)*	Total
1970	215.76	0.19	0.55	216.50	17.50	199.00	6.59	72.99	77.04	42.38	192.41
1971	222.92	0.53	0.12	223.57	19.01	204.56	6.60	73.43	80.67	43.86	197.96
1972	229.45	0.53	0.48	230.46	18.91	211.55	6.37	73.16	86.89	45.13	205.18
1973	245.42	0.59	0.06	246.07	19.59	226.48	6.67	80.07	91.30	48.44	219.81
1974	237.21	0.60	0.05	237.86	18.22	219.64	6.12	75.81	92.63	45.08	213.52
1975	237.76	0.70	0.08	238.54	19.47	219.07	6.29	75.36	89.21	48.21	212.78
1976	240.22	0.61	-0.10	240.73	18.73	222.00	6.39	80.84	85.12	49.65	215.61
1977	246.82	0.74	-	247.56	20.76	226.80	6.41	82.06	85.90	52.43	220.39
1978	252.65	0.66	-0.08	253.23	21.81	231.42	6.52	84.00	85.80	55.10	224.90
1979	264.34	0.63	-	264.97	22.97	242.00	6.78	87.55	89.67	58.00	235.22
1980	252.02	0.61	-	252.63	21.53	231.11	6.86	79.73	86.11	58.41	224.25
1981	246.60	0.74	-	247.34	20.13	227.21	6.86	77.03	84.44	58.88	220.35
1982	242.48	0.82	-	243.30	20.48	222.82	6.81	73.91	82.79	59.31	216.01
1983	246.15	1.15	-	247.30	21.21	226.09	6.69	74.17	82.95	62.28	219.40
1984	251.47	0.55	-	252.02	21.06	230.96	6.64	78.64	83.90	61.78	224.32
1985	263.56	0.92	-	264.48	22.63	241.85	7.76	79.53	88.23	66.33	234.09
1986*(4)*	266.81	1.10	4.26	272.17	22.83	249.34	7.68	80.15	91.83	69.68	241.66
1986*(4)*	278.48	-	4.26	282.73	22.91	259.82	9.51	88.80	91.83	69.68	250.31
1987	279.71	-	11.64	291.34	22.96	268.38	9.49	93.14	93.25	72.50	258.89
1988	285.71	-	12.14	297.85	23.35	274.50	9.16	97.14	92.36	75.84	265.34
1989	291.75	-	12.63	304.38	24.98	279.40	9.00	99.42	92.27	78.71	270.40
1990	297.50	-	11.91	309.41	24.99	284.42	9.99	100.64	93.79	80.00	274.43
1991	300.65	-	16.41	317.06	26.22	290.84	9.79	99.57	98.10	83.38	281.05
1992	298.55	-	16.69	315.24	23.79	291.45	9.98	95.28	99.48	86.71	281.47
1993	301.87	-	16.72	318.59	22.84	295.75	9.62	96.84	100.46	88.83	286.13
1994	306.94	-	16.89	323.83	31.00	292.83	7.52	96.12	101.41	87.78	285.31
1995	317.63	-	16.61	334.24	30.32	303.92	8.07	101.78	102.21	91.86	295.85
1996	332.36	-	16.76	349.11	29.34	319.78	9.21	107.63	107.51	95.42	310.57
1997	331.63	-	16.57	348.20	27.14	321.07	8.62	108.10	104.46	99.88	312.44
1998	342.70	-	12.47	355.17	29.82	325.35	8.41	108.44	109.41	99.09	316.94
1999	347.67	-	14.24	361.92	29.86	332.05	8.04	112.25	110.31	101.46	324.02
2000	357.27	-	14.17	371.44	31.14	340.30	9.70	115.29	111.84	103.47	330.59
2001	364.17	-	10.40	374.57	32.07	342.50	8.63	112.50	115.34	106.05	333.88
2002	366.66	-	8.41	375.07	30.96	344.11	10.06	110.82	120.01	103.22	334.05
2003	376.53	-	2.16	378.69	32.07	346.62	9.75	109.93	123.00	103.94	336.87
2004	373.40	-	7.49	380.89	33.18	347.71	8.14	112.09	124.20	103.28	339.57
2005	376.78	-	8.32	385.10	27.90	357.20	7.85	116.70	125.71	106.94	349.35
2006	373.86	-	7.52	381.38	27.52	353.86	8.00	115.53	124.70	105.63	345.87
2007	374.06	-	5.22	379.28	27.83	351.45	9.19	113.41	123.08	105.78	342.26
2008	367.18	-	11.02	378.20	28.10	349.53	7.71	114.15	119.80	107.87	341.82
2009	355.31	-	2.86	358.17	28.15	329.42	7.67	99.74	118.54	103.47	321.75
2010	361.45r	-	2.66	364.11r	27.03r	337.08	8.25	104.52	118.83r	105.47	328.83
2011	347.15r	-	6.22	353.37r	27.88	325.49r	7.66	102.36	111.59r	103.88r	317.83r
2012	341.63r	-	11.87	353.50r	28.82r	324.68r	6.72r	98.18r	114.67r	105.12r	317.96r
2013	336.88r	-	14.43	351.31r	26.79r	324.52r	7.54r	97.67r	113.44r	105.86r	316.98r
2014	318.05	-	20.51	338.56	28.09	310.47	7.06	93.37	108.88	101.16	303.41

(1) Net transfers between the Irish Republic and Northern Ireland (ceased in 1981 and recommenced in 1996), between France and England (from 1986), the Netherlands and England (from 2011) and the Irish Republic and Wales (from 2012)

(2) Losses on the public distribution system (grid system and local networks) and other differences between data collected on sales and data collected on availability.

(3) Public administration, transport, agricultural and commercial sectors.

(4) Data for all generating companies are only available from 1986 onwards. Before 1986 the data are for major power producers, transport undertakings and industrial hydro and nuclear stations only.

(5) Industry includes some iron and steel consumption that is counted as energy industry use in the main DUKES tables

5.1.3 Electricity generated and supplied

GWh

	Major power producers *(1)*										
	Electricity generated	Electricity used on works	Electricity supplied (gross) *(2)* Total	Conventional thermal and other *(3)*	CCGT	Nuclear	Hydro Natural flow	Hydro Pumped storage	Wind	Electricity used in pumping at pumped storage stations	Electricity Supplied (net) *(4)*
1970	232,378	16,429	215,949	188,175	-	22,805	3,846	1,123	-	1,487	214,462
1971	240,080	17,143	222,937	195,181	-	24,013	2,835	908	-	1,209	221,728
1972	246,843	17,439	229,404	200,048	-	25,639	2,847	870	-	1,184	228,220
1973	263,140	18,157	244,983	216,796	-	24,310	3,214	663	-	882	244,101
1974	254,688	17,763	236,925	203,478	-	29,232	3,520	695	-	896	236,029
1975	255,084	17,136	237,948	207,159	-	26,463	3,186	1,140	-	1,430	236,518
1976	258,656	17,962	240,694	205,048	-	31,153	3,128	1,365	-	1,729	238,965
1977	265,649	18,468	247,181	207,904	-	34,660	3,320	1,297	-	1,608	245,573
1978	270,677	17,907	252,770	215,761	-	32,462	3,378	1,169	-	1,429	251,341
1979	283,186	18,744	264,442	226,329	-	33,335	3,617	1,161	-	1,424	263,018
1980	269,945	17,765	252,180	215,418	-	32,291	3,298	1,173	-	1,453	250,727
1981	263,658	16,983	246,675	208,589	-	33,191	3,906	989	-	1,196	245,479
1982	259,410	16,940	242,470	198,822	-	38,721	3,873	1,054	-	1,272	241,198
1983	264,589	17,380	247,209	197,600	-	43,911	3,882	1,816	-	2,337	244,872
1984	270,471	17,643	252,828	200,240	-	47,256	3,358	1,974	-	2,613	250,215
1985	284,712	18,903	265,809	205,906	-	53,767	3,435	2,701	-	3,494	262,315
1986	287,330	18,819	268,511	210,452	-	51,843	4,087	2,129	-	2,993	265,518
1987	287,701	18,740	268,961	215,290	-	48,205	3,460	2,006	-	2,804	266,157
1988	293,100	19,341	273,759	211,932	-	55,642	4,160	2,025	-	2,888	270,871
1989	297,890	19,315	278,575	209,169	-	63,602	3,992	1,812	-	2,572	276,003
1990	302,936	18,632	284,304	219,364	-	58,664	4,384	1,892	-	2,626	281,678
1991	305,704	19,142	286,562	218,260	309	62,761	3,767	1,465	-	2,109	284,453
1992	303,715	19,157	284,558	206,245	2,964	69,135	4,579	1,635	-	2,257	282,301
1993	305,433	18,170	287,264	178,773	22,611	80,979	3,513	1,388	-	1,948	285,316
1994	307,476	16,696	290,780	168,321	36,815	79,962	4,265	1,417	-	2,051	288,729
1995	315,510	16,510	299,000	164,324	48,525	80,598	4,051	1,502	-	2,282	296,718
1996	326,235	14,967	311,268	155,574	65,604	85,820	2,763	1,507	-	2,430	308,838
1997	324,133	15,411	308,722	127,961	86,682	89,341	3,299	1,439	-	2,477	306,245
1998	333,764	16,140	317,624	128,235	93,005	90,590	4,225	1,569	-	2,594	315,030
1999	336,608	15,461	321,147	113,493	112,768	87,672	4,409	2,804	-	3,774	317,373
2000	341,783	14,952	326,831	125,468	116,110	78,334	4,316	2,603	-	3,499	323,332
2001	353,057	16,066	336,991	127,119	121,344	82,985	3,203	2,340	-	3,210	333,781
2002	353,994	15,746	338,248	128,795	121,886	81,090	3,914	2,562	-	3,463	334,785
2003	362,600	16,747	345,853	140,196	118,546	81,911	2,559	2,641	-	3,546	342,308
2004	358,313	15,582	342,732	133,607	128,983	73,682	3,901	2,559	-	3,497	339,235
2005	362,212	16,265	345,947	135,999	128,179	75,173	3,821	2,776	-	3,707	342,240
2006	361,232	17,031	344,201	151,866	115,695	69,237	3,680	3,722	-	4,918	339,283
2007	361,317	16,090	345,227	138,793	137,657	57,249	4,114	3,846	3,569	5,071	340,156
2008	355,239	14,662	340,577	121,816	157,417	47,673	4,209	4,075	5,388	5,371	335,206
2009	342,011	14,750	327,260	101,100	148,907	62,762	4,279	3,672	6,540	4,843	322,417
2010	347,846r	14,403	333,443r	105,142r	157,818	56,442	2,694	3,139	8,208r	4,212	329,231r
2011	332,461r	14,479r	317,983r	105,345r	129,669	62,655	4,578	2,895	12,840r	3,843	314,140r
2012	328,270r	15,859r	312,411r	139,994r	84,207	63,949	4,168	2,956	17,137r	3,978	308,433r
2013	324,725r	15,669r	309,056r	133,330r	81,145r	64,133r	3,596	2,894r	23,958r	3,930	305,127r
2014	300,823	13,957	286,865	107,945	86,775	57,903	4,606	2,873	26,763	3,884	282,981

(1) From 2007, major wind farm companies are included under Major Power Producers, see paragraph 5.67 in the main Digest, previously all wind was covered under other generatots.
(2) Electricity generated less electricity used on works.
(3) Includes electricity supplied by gas turbines and oil engines. From 1988 also includes electricity produced by plants using thermal renewable sources.

5.1.3 Electricity generated and supplied

GWh

Other generators *(1)*				All generating companies							
Electricity supplied (gross) *(2)*				Electricity supplied (gross)							
Total	Conventional thermal and other *(3)*	CCGT	Non-thermal renewables *(5)*	Total	Conventional thermal and other *(3)*	CCGT	Nuclear	Non-thermal renewables *(5)*	Pumped storage	Electricity supplied (net) *(4)*	
15,674	14,996	-	678	231,623	203,171	-	22,805	4,524	1,123	230,136	1970
15,388	14,837	-	551	238,325	210,018	-	24,013	3,386	908	237,116	1971
15,746	15,175	-	571	245,150	215,223	-	25,639	3,418	870	243,966	1972
17,655	17,008	-	647	262,638	233,804	-	24,310	3,861	663	261,756	1973
17,222	16,660	-	562	254,147	220,138	-	29,232	4,082	695	253,251	1974
15,766	15,175	-	591	253,714	222,334	-	26,463	3,777	1,140	252,284	1975
17,013	16,414	-	599	257,707	221,462	-	31,153	3,727	1,365	255,978	1976
16,434	15,848	-	586	263,615	223,752	-	34,660	3,906	1,297	262,007	1977
16,034	15,387	-	647	268,804	231,148	-	32,462	4,025	1,169	267,375	1978
15,720	15,062	-	658	280,162	241,391	-	33,335	4,275	1,161	278,738	1979
14,132	13,509	-	623	266,312	228,927	-	32,291	3,921	1,173	264,859	1980
13,264	12,801	-	463	259,939	221,390	-	33,191	4,369	989	258,743	1981
12,613	11,943	-	670	255,083	210,765	-	38,721	4,543	1,054	253,811	1982
12,152	11,486	-	666	259,361	209,086	-	43,911	4,548	1,816	257,024	1983
11,319	10,685	-	634	264,147	210,925	-	47,256	3,992	1,974	261,534	1984
12,112	11,467	-	645	277,921	217,373	-	53,767	4,080	2,701	274,427	1985
12,957	12,278	-	679	281,468	222,730	-	51,843	4,766	2,129	278,475	1986
13,551	12,831	-	720	282,512	228,121	-	48,205	4,180	2,006	279,708	1987
14,840	14,085	-	755	288,599	226,017	-	55,642	4,915	2,025	285,711	1988
15,747	15,007	-	740	294,322	224,176	-	63,602	4,732	1,812	291,750	1989
15,824	14,729	280	815	300,128	234,093	280	58,664	5,199	1,892	297,502	1990
16,202	15,056	298	848	302,764	233,316	607	62,761	4,615	1,465	300,655	1991
16,246	14,987	394	865	300,804	221,232	3,358	69,135	5,444	1,635	298,547	1992
16,552	14,979	584	989	303,816	193,752	23,195	80,979	4,502	1,388	301,868	1993
18,207	16,356	738	1,113	308,987	184,677	37,553	79,962	5,378	1,417	306,936	1994
20,909	18,851	933	1,125	319,909	183,175	49,458	80,598	5,176	1,502	317,627	1995
23,519	19,091	3,358	1,070	334,786	174,664	68,962	85,820	3,833	1,507	332,356	1996
25,384	19,703	4,192	1,489	334,107	147,665	90,874	89,341	4,788	1,439	331,630	1997
27,669	20,766	5,157	1,746	345,293	149,001	98,162	90,590	5,971	1,569	342,699	1998
30,299	21,769	6,785	1,745	351,446	135,263	119,553	87,672	6,154	2,804	347,672	1999
33,934	21,926	10,318	1,690	360,765	147,394	126,428	78,334	6,006	2,603	357,266	2000
30,391	20,066	8,531	1,794	367,382	147,185	129,875	82,985	4,997	2,340	364,173	2001
31,873	19,716	10,049	2,108	370,120	148,511	131,935	81,090	6,022	2,562	366,657	2002
34,220	21,942	10,336	1,941	380,073	162,138	128,882	81,911	4,500	2,641	376,528	2003
34,165	20,046	11,260	2,859	376,896	153,653	140,243	73,682	6,760	2,559	373,399	2004
34,539	19,494	11,204	3,842	380,486	155,493	139,382	75,173	7,662	2,776	376,780	2005
34,578	18,598	10,859	5,121	378,779	170,464	126,554	69,237	8,802	3,722	373,861	2006
33,908	19,801	11,471	2,637	379,136	158,594	149,127	57,249	10,320	3,846	374,064	2007
31,974	18,369	10,947	2,658	372,551	140,185	168,364	47,673	12,255	4,075	367,180	2008
32,888	18,953	10,251	3,684	360,149	120,053	159,159	62,762	14,503	3,672	355,306	2009
32,216r	17,771r	11,509r	2,936r	365,660r	122,914r	169,327r	56,442	13,838r	3,139	361,448r	2010
33,009r	18,854r	10,033	4,122r	350,992r	124,200r	139,702	62,655	21,540r	2,895	347,149r	2011
33,200r	18,480r	9,571	5,149r	345,611r	158,474r	93,778	63,949	26,454r	2,956	341,633r	2012
32,221r	16,066r	8,625r	7,529r	341,277r	149,396r	89,771r	64,133r	35,084r	2,894r	337,348r	2013
35,541	17,454	7,560	10,527	322,407	125,399	94,336	57,903	41,896	2,873	318,522	2014

(4) Electricity supplied (gross) less electricity used in pumping at pumped storage stations.
(5) Natural flow hydro, wind, wave and solar photovoltaics.

Chapter 6: Long term trends

Renewables

Renewables sources used to generate electricity, heat and for transport; and electricity generated from renewable sources (Table 6.1.1)

6.1.1 This table extends the series shown in Tables 6.4 and 6.6 of Chapter 6 of the main Digest back to 1990, the earliest year for which comprehensive data on renewables and wastes are available.

6.1.2 The rate of increase in the volume of renewables used is influenced by how fuels are used. Renewable sources used more than doubled between 1990 and 1998, increasing by two-thirds between 1998 and 2004, before doubling between 2004 and 2010. Since then, the use of renewables has grown by around two-thirds.

6.1.3 Between 1990 and 1996, the volume of renewables used to generate electricity grew at an average rate of 6½ per cent a year. [1] After 1996, the rate of increase quickened and over the seven years to 2003 it averaged 14½ per cent a year. Between 2003 and 2010, it fell back to an average of 10½ per cent a year. Since then, it has grown at an average of 17½ per cent.

6.1.4 Chart 6.1.1 shows the amount of primary renewable sources used for generating electricity, for heat, and as a transport fuel, whilst chart 6.1.2 shows how much electricity was generated from 6 main renewable categories.

6.1.5 Between 2000 and 2010, the rate of growth in electricity generated from all renewables averaged 10 per cent a year, which incorporates a smaller (2 per cent) rise between 2009 and 2010, reflecting lower rainfall and wind speeds.

6.1.6 Between 2000 and 2010, the main contributors to the growth in electricity generated from renewables were wind (+27 per cent a year on average), landfill gas (+9 per cent a year), small scale hydro schemes (+8 per cent a year), sewage sludge digestion (+7 per cent a year), and energy from waste (+6 per cent a year). Co-firing of biomass with fossil fuels was zero until 2002, but more than doubled each year between 2002 and 2005 before levelling off in 2006; following a decline until 2008, co-firing increased in 2009 and 2010. When combined, electricity generated from all forms of bioenergy increased by an average of 12 per cent a year between 2000 and 2010. Recent years have seen a switch away from co-firing, as the main generators have converted to dedicated biomass.

6.1.7 The use of renewables to generate heat reached a peak in 1996 having more than doubled over the previous 6 years. Over the next five years the use of renewables for heat generation declined by one third, mainly because the use of industrial wood declined by over one-half due to the introduction of more stringent emission controls. More recently there has been an increase in renewable heat, due to policy incentives, and between 2000 and 2010, it increased at an average annual rate of 12 per cent; since 2008 renewable heat use has exceeded the previous peak of 1996.

6.1.8 Liquid biofuels for transport were first included in the energy mix through blending with fossil fuels in 2002. There was a steady increase until 2010, when over 1.2 million tonnes of oil equivalent was used. However, falls in biodiesel use reduced the total contribution during the following two years, although 2014 saw a new high.

6.1.9 More detailed analysis of renewables statistics for 2012 onwards are shown in Chapter 6 of the main Digest.

6.1.10 To note that long term trends table 6.1.1 now includes a table showing long term average load factors of renewable technologies, based on an average load factor of the five years ending that year. With the exception of wind, where a longer time-series is available, this begins in 2012 (since the first data point of the annual load factor series on which this is based - in table 6.5 in the main Digest - is 2008).

[1] The use of primary renewable sources (mainly wind, hydro and solar) is assumed to be equal to the electricity produced whereas biomass sources lose energy during their transformation into electricity. As a result, in years where biomass was increasing, the volume of fuel used would increase by more than in years when wind increased.

Chart 6.1.1: Renewable sources used to generate electricity, heat and for transport, 1990 to 2014

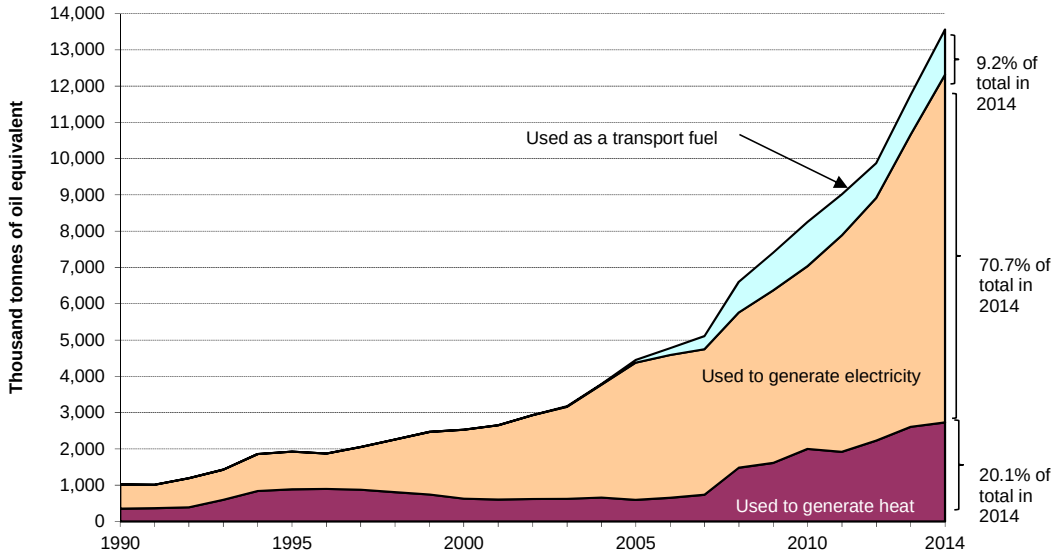
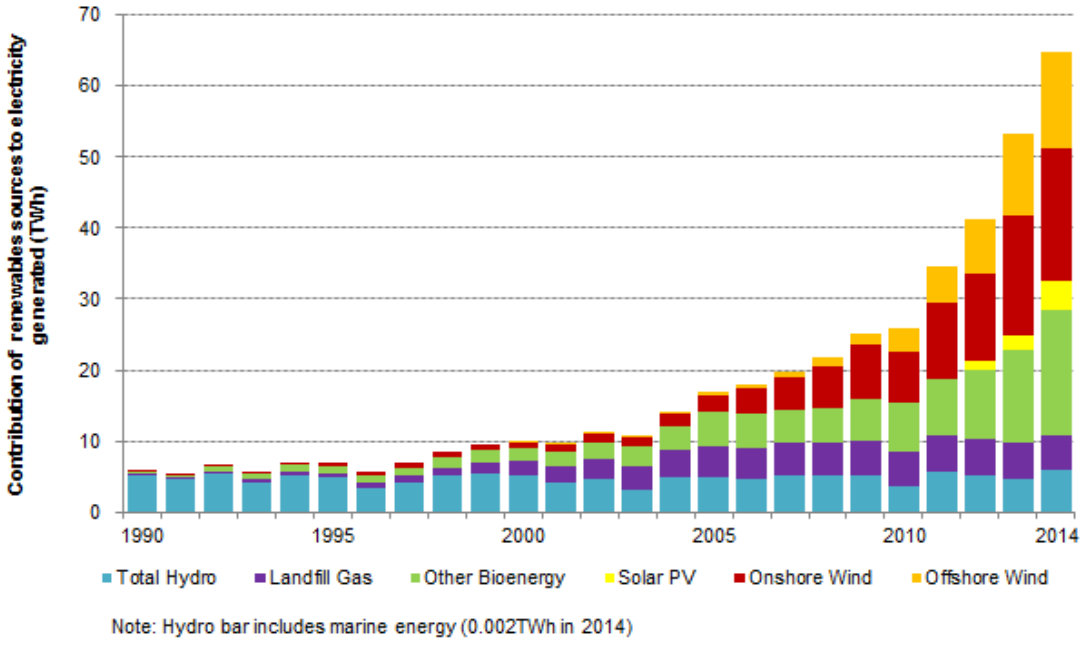


Chart 6.1.2: Electricity generated from renewable sources, 1990 to 2014



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6.1.1 Renewable sources used to generate electricity and heat; electricity generated from renewable sources

Thousand tonnes of oil equivalent

	Wind (1)		Wave and	Solar	Hydro (1)		Bioenergy								Total	Wastes
	Onshore	Offshore	Tidal (1)	photo-voltaics	Small scale	Large scale *(2)*	Landfill gas	Sewage sludge digestion	Energy from waste combustion *(3)*	Animal Biomass *(4)*	Plant Biomass *(5)*	Anaerobic Digestion *(6)*	Co-firing with fossil fuels	Total bioenergy		*(7)*
Used to generate electricity																
1990	0.8	-	-	-	10.9	436.8	45.6	103.6	69.8	-	-	0.0	-	219.0	667.5	41.0
1991	0.7	-	-	-	12.2	385.4	68.2	107.6	70.5	0.5	-	0.1	-	246.9	645.2	41.4
1992	2.8	-	-	-	12.8	454.1	123.6	107.6	85.9	17.4	-	0.2	-	334.6	804.4	50.4
1993	18.7	-	-	-	13.6	356.2	146.6	123.8	119.1	52.3	-	0.2	-	442.0	830.5	76.4
1994	29.5	-	-	-	13.6	424.3	169.5	118.3	192.0	70.8	-	0.1	-	550.8	1,018.3	156.3
1995	33.7	-	-	-	14.2	401.7	184.3	134.6	198.6	71.2	-	0.1	-	588.7	1,038.4	178.6
1996	41.9	-	-	-	10.1	281.6	232.1	134.6	205.3	67.0	-	0.1	-	639.1	972.7	184.8
1997	57.4	-	-	-	14.1	344.4	301.1	133.7	258.2	67.8	-	0.0	-	760.8	1,176.6	236.0
1998	75.4	-	-	-	17.7	422.3	388.8	126.5	346.5	76.2	0.1	-	-	938.0	1,453.4	302.8
1999	73.1	-	-	-	17.8	441.0	558.4	134.6	345.0	156.8	0.2	-	-	1,195.0	1,726.9	272.5
2000	81.3	0.1	-	0.1	18.4	418.8	717.6	120.4	350.1	182.5	10.8	-	-	1,381.3	1,900.0	253.3
2001	82.5	0.4	0.0	0.2	18.1	330.7	822.2	119.0	387.1	205.3	80.7	-	-	1,614.4	2,046.3	266.2
2002	107.6	0.4	0.0	0.2	17.5	394.2	878.5	120.6	420.2	184.4	92.4	-	94.0	1,790.0	2,309.9	286.1
2003	109.7	0.8	0.0	0.3	12.9	256.9	1,074.5	129.3	445.8	169.4	136.7	3.0	197.3	2,156.1	2,536.7	273.8
2004	149.3	17.1	0.0	0.3	24.3	392.2	1,313.1	144.3	429.5	179.4	123.1	2.9	335.1	2,527.4	3,110.6	263.9
2005	215.1	34.6	0.0	0.7	38.2	385.0	1,407.2	152.8	426.3	158.9	129.4	2.6	830.7	3,107.8	3,781.4	262.0
2006	307.3	56.0	0.0	0.9	41.1	353.9	1,451.1	145.9	479.0	144.8	122.9	3.8	829.0	3,176.4	3,935.6	293.7
2007	386.2	67.3	0.0	1.2	45.0	391.6	1,533.9	161.9	486.8	217.6	137.8	4.9	576.4	3,119.2	4,010.4	298.3
2008	497.5	114.8	0.0	1.5	46.5	395.5	1,540.1	179.8	506.8	260.4	242.0	6.6	487.6	3,223.4	4,279.3	310.3
2009	647.2	150.8	0.1	1.7	48.5	401.0	1,612.8	197.8	624.5	232.0	386.7	14.3	439.8	3,507.9	4,757.2	365.2
2010	617.5	264.2	0.2	3.5	40.7	265.9	1,649.9	228.5	604.1	238.9	461.2	36.4	625.2	3,844.3	5,036.2	395.8
2011	903.1	442.7	0.1	20.9	59.4	429.0	1,667.9	250.4	567.4	224.0	553.7	89.4	763.5	4,116.4	5,971.7	415.5
2012	1,051.8	653.8	0.3	116.3	56.2	398.2	1,687.6	235.9	638.5	225.0	1,062.3	164.3	400.5	4,414.1	6,690.6	520.3
2013	1,457.4	986.4	0.5	171.1	58.1	346.2	1,692.4	249.6	564.7	226.4	2,009.1	236.8	53.7	5,032.7	8,052.3	513.1
2014	1,600.3	1,152.6	0.2	348.2	71.5	434.5	1,654.6	277.4	551.1	224.8	2,912.9	330.8	25.1	5,976.8	9,584.1	557.4

	Active solar heating	Landfill gas	Sewage sludge digestion	Bioenergy							Deep geo-thermal	Heat pumps *(11)*	Total	Wastes *(12)*
				Wood combus-tion - domestic	Wood combus-tion - industrial	Animal Biomass *(8)*	Plant Biomass *(9)*	Anaerobic Digestion *(10)*	Energy from waste combustion	Total bioenergy				
Used to generate heat														
1990	6.4	34.2	-	34.6	174.1	-	-	71.7	0.2	31.1	345.8	0.8	-	353.1	41.1
1991	6.8	36.3	-	43.5	174.1	-	-	71.7	0.2	33.5	359.3	0.8	-	366.9	42.9
1992	7.1	31.5	-	43.5	204.2	-	-	71.7	0.3	30.8	381.9	0.8	-	389.9	49.1
1993	7.4	15.0	-	34.0	204.2	236.8	-	71.7	0.3	28.2	590.1	0.8	-	598.3	53.6
1994	7.7	18.9	-	52.1	204.2	455.1	-	71.7	0.3	29.5	831.8	0.8	-	840.3	60.6
1995	8.1	15.1	-	58.5	204.2	498.1	-	71.7	0.3	30.5	878.4	0.8	-	887.3	68.3
1996	8.7	16.6	-	58.5	204.2	505.5	-	71.7	0.3	31.9	888.6	0.8	-	898.1	63.1
1997	8.9	15.5	-	58.2	204.2	506.1	-	71.7	0.3	9.0	864.9	0.8	-	874.6	52.3
1998	9.1	13.6	-	54.1	204.2	436.9	-	71.7	0.3	15.2	796.0	0.8	-	805.9	49.6
1999	9.4	13.6	-	54.2	204.2	367.7	-	71.9	0.3	20.2	732.1	0.8	-	742.3	49.3
2000	11.1	13.6	-	48.3	204.2	254.2	-	71.9	0.3	24.7	617.1	0.8	-	629.0	76.4
2001	13.2	13.6	-	49.4	204.2	225.2	-	71.9	0.3	26.2	590.7	0.8	-	604.8	80.7
2002	16.1	13.6	-	53.4	204.2	225.2	-	71.9	0.3	33.7	602.4	0.8	-	619.3	92.2
2003	19.8	13.6	-	52.4	205.8	225.2	-	71.9	0.3	33.7	602.9	0.8	-	623.5	117.1
2004	24.6	13.6	-	54.8	232.4	225.2	-	71.9	2.0	33.7	633.6	0.8	-	659.0	115.7
2005	29.4	13.6	-	52.9	265.6	93.1	12.4	92.4	2.0	33.7	565.8	0.8	-	596.0	127.5
2006	36.3	13.6	-	44.1	298.8	97.0	22.9	103.0	2.0	33.7	615.1	0.8	-	652.2	111.6
2007	44.9	13.6	-	49.5	332.0	101.2	45.8	112.9	2.0	33.7	690.7	0.8	-	736.4	137.3
2008	29.6	13.6	-	49.7	895.7	220.3	40.4	193.9	2.0	31.8	1,447.5	0.8	3.9	1,481.8	153.4
2009	33.2	13.6	-	50.9	975.8	223.4	38.3	227.8	2.0	31.6	1,563.4	0.8	15.7	1,613.1	143.9
2010	39.2	13.6	-	57.7	1,258.0	255.7	40.3	270.8	4.7	27.8	1,928.6	0.8	30.6	1,999.2	138.1
2011	44.4	13.6	-	64.3	1,096.7	281.9	35.8	289.6	9.7	33.1	1,824.6	0.8	48.6	1,918.4	152.6
2012	47.8	13.6	-	63.7	1,392.3	289.5	31.5	276.6	14.5	29.8	2,111.5	0.8	68.4	2,228.4	144.1
2013	50.1	13.6	-	68.3	1,626.7	342.9	29.1	340.9	18.7	30.1	2,470.2	0.8	88.2	2,609.3	155.0
2014	52.1	13.6	-	67.7	1,554.4	459.4	34.5	373.1	43.0	23.3	2,569.1	0.8	107.6	2,729.6	159.3

	Solar heating and photovoltaics	Wind		Wave and Tidal	Hydro	Bioenergy	Deep geothermal	Heat pumps	Transport biofuels *(13)*	Total	Wastes
		Onshore	Offshore								
Total use of renewable sources											
1990	6.4	0.8	-	-	447.7	564.8	0.8	-	-	1,020.5	82.1
1991	6.8	0.7	-	-	397.6	606.2	0.8	-	-	1,012.1	84.3
1992	7.1	2.8	-	-	467.0	716.6	0.8	-	-	1,194.3	99.6
1993	7.4	18.7	-	-	369.9	1,032.1	0.8	-	-	1,428.9	130.0
1994	7.7	29.5	-	-	438.0	1,382.6	0.8	-	-	1,858.6	217.0
1995	8.1	33.7	-	-	415.9	1,467.1	0.8	-	-	1,925.7	247.0
1996	8.7	41.9	-	-	291.7	1,527.7	0.8	-	-	1,870.8	247.9
1997	8.9	57.4	-	-	358.4	1,625.7	0.8	-	-	2,051.2	288.3
1998	9.1	75.4	-	-	440.0	1,734.0	0.8	-	-	2,259.3	352.4
1999	9.4	73.1	-	-	458.8	1,927.1	0.8	-	-	2,469.2	321.8
2000	11.2	81.3	0.1	-	437.3	1,998.4	0.8	-	-	2,529.0	329.7
2001	13.4	82.5	0.4	0.0	348.7	2,205.1	0.8	-	-	2,651.1	347.0
2002	16.3	107.6	0.4	0.0	411.7	2,392.4	0.8	-	2.4	2,931.6	378.3
2003	20.0	109.7	0.8	0.0	269.8	2,759.0	0.8	-	15.1	3,175.3	390.9
2004	24.9	149.3	17.1	0.0	416.5	3,161.0	0.8	-	16.7	3,786.3	379.6
2005	30.1	215.1	34.6	0.0	423.2	3,673.6	0.8	-	74.1	4,451.4	389.5
2006	37.2	307.3	56.0	0.0	394.9	3,791.6	0.8	-	187.8	4,775.6	405.3
2007	46.1	386.2	67.3	0.0	436.6	3,809.9	0.8	-	361.7	5,108.5	435.6
2008	31.0	497.5	114.8	0.0	442.1	4,670.9	0.8	3.9	844.5	6,605.6	463.8
2009	34.9	647.2	150.8	0.1	449.5	5,071.3	0.8	15.7	1,038.5	7,408.8	509.1
2010	42.7	617.5	264.2	0.2	306.5	5,772.9	0.8	30.6	1,217.3	8,252.7	533.9
2011	65.3	903.1	442.7	0.1	488.4	5,941.1	0.8	48.6	1,127.5	9,017.6	568.1
2012	164.0	1,051.8	653.8	0.3	454.4	6,525.6	0.8	68.4	957.8	9,876.9	664.4
2013	221.2	1,457.4	986.4	0.5	404.3	7,502.8	0.8	88.2	1,091.6	11,753.2	668.1
2014	400.3	1,600.3	1,152.6	0.2	506.0	8,545.9	0.8	107.6	1,242.7	13,556.4	716.7

6.1.1 Renewable sources used to generate electricity and heat *(1)*; electricity generated from renewable sources (continued)

GWh

	Wind (1)		Wave and	Solar	Hydro (1)		Bioenergy								Total	Wastes
	Onshore	Offshore	Tidal (1)	photo-voltaics	Small scale	Large scale *(2)*	Landfill gas	Sewage sludge digestion	Energy from waste combustion *(3)*	Co-firing with fossil fuels	Animal Biomass *(4)*	Plant Biomass *(5)*	Anaerobic Digestion *(6)*	Total bioenergy		*(7)*
Electricity generated																
1990	9	-	-	-	127	5,080	139	316	141	-	-	-	0	596	5,812	83
1991	9	-	-	-	142	4,482	208	328	150	-	1	-	0	688	5,320	88
1992	33	-	-	-	149	5,282	377	328	177	-	52	-	1	934	6,398	104
1993	217	-	-	-	159	4,143	447	378	252	-	121	-	1	1,198	5,717	165
1994	344	-	-	-	159	4,935	517	361	449	-	192	-	0	1,518	6,956	352
1995	392	-	-	0	166	4,672	562	410	471	-	198	-	0	1,642	6,872	412
1996	488	-	-	0	118	3,275	708	410	489	-	197	-	0	1,805	5,685	417
1997	667	-	-	0	164	4,005	918	408	585	-	199	0	0	2,110	6,946	483
1998	877	-	-	0	206	4,911	1,185	386	849	-	234	0	-	2,654	8,649	583
1999	850	-	-	1	207	5,128	1,703	410	856	-	459	1	-	3,429	9,616	559
2000	945	1	-	1	214	4,871	2,188	367	840	-	456	31	-	3,882	9,914	519
2001	960	5	0	2	210	3,845	2,507	363	880	-	542	234	-	4,526	9,549	528
2002	1,251	5	0	3	204	4,584	2,679	368	907	286	568	272	-	5,080	11,127	545
2003	1,276	10	0	3	150	2,987	3,276	394	965	602	525	402	9	6,174	10,600	579
2004	1,736	199	0	4	283	4,561	4,004	440	971	1,022	556	362	9	7,364	14,147	583
2005	2,501	403	0	8	444	4,478	4,290	466	964	2,533	460	382	8	9,102	16,936	578
2006	3,574	651	0	11	478	4,115	4,424	445	1,083	2,528	423	363	12	9,277	18,106	651
2007	4,491	783	0	14	523	4,554	4,677	494	1,189	1,757	585	607	15	9,325	19,690	714
2008	5,786	1,335	0	17	541	4,600	4,696	548	1,239	1,575	620	867	20	9,566	21,846	744
2009	7,527	1,754	1	20	564	4,664	4,918	603	1,509	1,625	637	1,379	43	10,714	25,244	868
2010	7,182	3,073	2	41	473	3,092	5,031	697	1,530	2,332	627	1,593	111	11,921	25,783	987
2011	10,503	5,149	1	244	691	4,989	5,085	764	1,503	2,964	615	1,749	273	12,953	34,529	1,085
2012	12,232	7,603	4	1,352	654	4,631	5,145	719	1,774	1,783	643	4,083	501	14,648	41,124	1,429
2013	16,950	11,472	6	1,989	676	4,026	5,160	761	1,649	309	628	8,929	722	18,159	53,277	1,481
2014	18,611	13,404	2	4,050	832	5,053	5,045	846	1,950	133	614	13,105	1,009	22,702	64,654	1,951

	Wind		Wave and	Solar	Hydro		Bioenergy							Total
	Onshore	Offshore	Tidal	photo-voltaics	Small scale	Large scale *(3)*	Landfill gas	Sewage sludge digestion	Energy from waste combustion *(14)*	Animal Biomass *(15)*	Plant Biomass *(16)*	Anaerobic Digestion	Total bioenergy and wastes	
Declared net capacity														
1990	4.3	-	-	-	26.3	1,084.0	16.5	72.7	30.9	-	-	0.1	120.3	1,234.8
1991	6.3	-	-	-	37.9	1,377.1	28.7	91.4	30.9	0.2	-	0.1	151.3	1,572.7
1992	21.3	-	-	-	40.3	1,383.0	51.1	91.4	44.6	12.8	-	0.1	200.0	1,644.5
1993	55.2	-	-	-	42.2	1,383.0	78.7	88.4	69.8	25.5	-	0.1	262.5	1,743.0
1994	65.7	-	-	-	42.2	1,383.0	84.9	87.1	106.8	25.5	-	0.1	304.4	1,795.3
1995	85.1	-	-	0.2	48.6	1,383.0	94.7	87.2	106.8	25.4	-	0.1	314.2	1,831.1
1996	113.0	-	-	0.3	49.1	1,405.8	145.7	87.2	135.0	25.4	-	0.1	393.4	1,961.6
1997	135.4	-	-	0.5	58.5	1,428.8	169.4	86.8	135.0	25.4	0.1	0.1	416.8	2,039.9
1998	139.4	-	-	0.6	61.6	1,413.0	220.6	89.8	182.1	63.9	0.3	-	556.7	2,171.3
1999	150.5	-	-	1.2	63.6	1,413.0	309.0	91.3	180.6	63.9	0.3	-	645.1	2,273.4
2000	175.0	1.6	0.2	2.0	66.1	1,419.0	382.6	85.3	204.0	73.7	39.3	-	784.9	2,448.7
2001	181.7	1.6	0.2	2.8	67.9	1,440.0	418.3	85.0	208.9	73.7	39.3	-	825.2	2,519.5
2002	223.4	1.6	0.2	0.7	70.3	1,388.8	439.2	96.0	217.8	76.7	58.5	-	888.1	2,573.0
2003	285.6	26.6	0.2	1.0	47.1	1,354.5	575.1	123.7	237.2	76.7	64.5	1.4	1,078.6	2,793.7
2004	340.8	51.6	0.2	1.4	51.7	1,355.9	670.9	131.9	238.5	70.3	64.8	1.5	1,178.0	2,979.6
2005	569.0	89.2	0.2	1.9	57.2	1,343.2	759.7	137.8	248.7	70.3	74.5	1.6	1,292.7	3,353.2
2006	695.0	126.7	0.2	2.4	55.5	1,361.4	795.4	143.8	257.3	70.3	107.3	3.9	1,377.9	3,619.2
2007	877.2	164.2	0.2	3.1	59.0	1,358.7	836.7	150.2	257.3	94.3	211.3	3.9	1,553.6	4,015.9
2008	1,199.9	248.7	0.2	3.8	59.4	1,463.8	829.1	150.6	267.4	94.3	211.5	7.2	1,560.0	4,535.8
2009	1,461.6	396.8	1.0	4.5	63.4	1,464.4	898.9	156.7	276.6	94.3	285.5	12.0	1,724.0	5,115.7
2010	1,709.5	559.4	1.0	16.3	66.5	1,458.8	937.8	192.7	308.3	94.3	315.3	30.3	1,878.7	5,690.2
2011	1,949.4	766.6	1.2	169.2	73.0	1,476.8	977.4	198.0	367.3	94.3	1,148.7	70.7	2,856.3	7,292.4
2012	2,485.8	1,249.1	2.7	298.6	78.8	1,476.8	963.6	204.4	376.0	94.3	1,170.6	118.6	2,927.4	8,519.1
2013	3,165.7	1,541.2	2.9	484.7	83.6	1,476.8	969.0	198.0	399.4	94.3	1,955.3	164.3	3,780.2	10,535.1
2014	3,573.1	1,877.0	3.5	914.1	89.2	1,476.8	976.3	208.4	505.8	94.3	2,244.2	216.2	4,245.1	12,178.8

Per cent

	Wind		Hydro		Bioenergy							Total
	Onshore	Offshore	Small scale	Large scale *(2)*	Landfill gas	Sewage sludge digestion	Energy from waste combustion *(3)*	Animal Biomass *(4)*	Plant Biomass *(5)*	Anaerobic Digestion *(6)*	Total bioenergy	*(17)*
Long term average load factors (average of five years ending *(18)*												
2002	28.9											
2003	27.9											
2004	27.6											
2005	27.5											
2006	27.7											
2007	27.5											
2008	28.1											
2009	27.6											
2010	26.3	30.5										
2011	26.4	32.0										
2012	26.0	33.2	36.8	35.8	58.9	49.5	40.8	65.9	63.3	54.6	61.4	37.0
2013	25.8	33.7	36.4	34.4	58.4	51.0	39.6	67.2	64.1	56.9	61.5	35.8
2014	25.8	34.9	36.9	34.5	57.6	50.9	37.5	66.8	65.3	59.4	62.0	36.1

(1) For wind, wave, tidal and hydro, the figures represent the energy content of the electricity supplied, but for biofuels t
figures represent the energy content of the fuel used
(2) Excluding pumped storage stations.
(3) Biodegradable part only
(4) Includes electricity from poultry litter combustion, and meat & bone combustio
(5) Includes electricity from straw and energy crops
(6) Includes electricity from farm waste digestion and other AI
(7) Non-biodegradable part of municipal solid waste plus waste tyres, hospital waste, and general industrial was
(8) Includes heat from meat & bone combustion and sewage sludge combustio
(9) Includes heat from straw, energy crops and paper & packaging
(10) Includes heat from farm waste digestion and other non-farm AI
(11) It is understood that there was a negligable contribution from heat pumps prior to 200
(12) Includes heat from waste tyre combustion, hospital waste combustion, and general industrial waste combustio
(13) Liquid biofuels are generally blended for use in transpo
(14) Includes the use of waste tyres and hospital waste.
(15) Includes the use of poultry litter and meat & bon
(16) Includes the use of straw combustion and short rotation coppic
(17) Excludes co-firing and non-biodegradable waste
(18) On an unchanged configuration basis. With the exception of wind, this measure has only been calculated since 2008, hence the shorter time-seri

Chapter 7: Long term trends

Combined Heat and Power

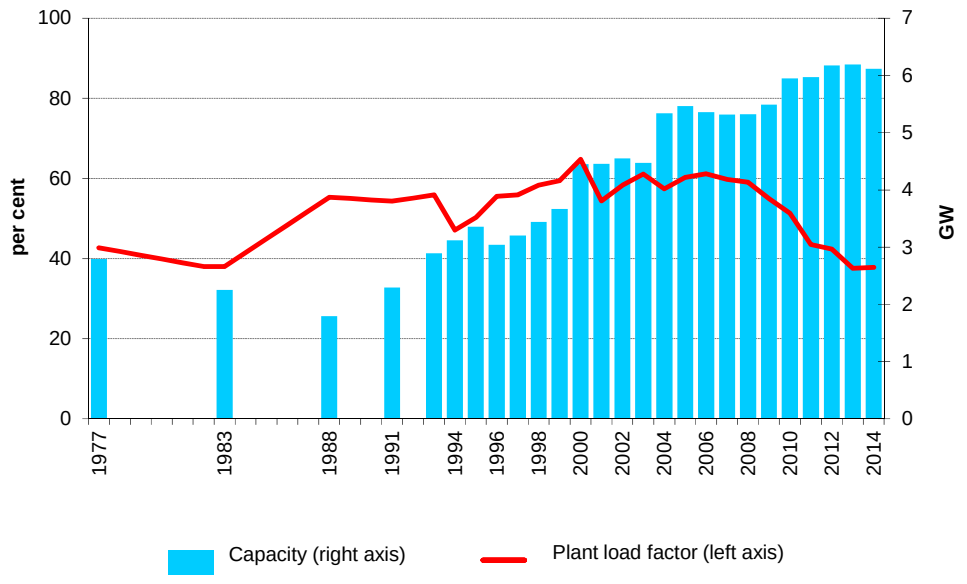
Combined Heat and Power: capacity, generation and fuel use (Table 7.1.1)

7.1.1 This table extends the summary series shown in Table 7A of Chapter 7 of the main Digest back to 1977, the earliest year for which data on Combined Heat and Power (CHP) are available. CHP data have been collected on an annual basis since 1993, but before that the data were collected on an occasional basis. The text below summaries changes up to 2011; recent trends are outlined in Chapter 7 of DUKES.

7.1.2 As Chart 7.1.1 shows, between 1993 and 2006 the electricity generating capacity of CHP increased by 85 per cent, at an average rate of around 5.2 per cent a year. Between 2005 and 2009 capacity levelled off before increasing again in 2010 due to increases within the oil refinery sector. Capacity levelled off again in 2011.

7.1.3 The plant load factor measures how intensively the CHP plants are used. The average load factor peaked in 2000 at around 65 per cent and fluctuated between 57 and 62 per cent between 2002 and 2008 before falling in 2009, 2010, and 2011. The decrease in 2011 was largely due to changes in utilisation of power generating capacity in the oil refineries sector.

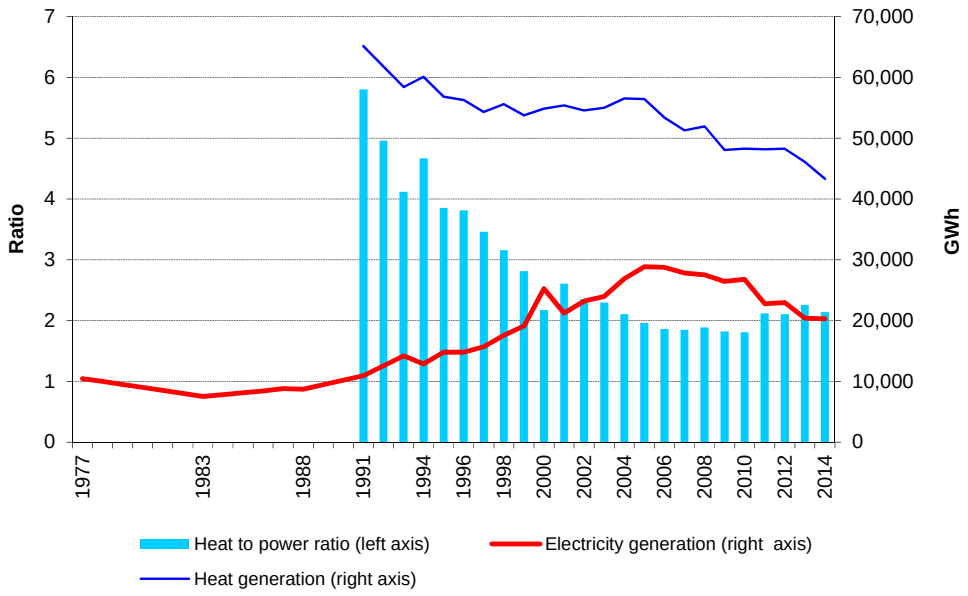
Chart 7.1.1: CHP electricity generation capacity and average load factor 1977 to 2014



7.1.4 Between 1995 and 2005 heat generation at CHP plants showed a fairly stable pattern remaining within the 53,000 to 57,000 GWh band. Since then, the general trend has been decreasing with slight positive growth in 2008 and 2010.

7.1.5 Over the same period (1995-2005), electricity generation from CHP almost doubled, equivalent to a growth rate of around 8.2 per cent a year. The rise in generation up to 2000 reflected the liberalisation of the electricity markets which gave a strong incentive to design schemes to maximise the electricity generation for a given heat load since the electricity could be sold on to suppliers. Newer CHP schemes thus tended to have lower heat to power ratios as Chart 7.1.2 shows. One of the effects of the introduction of the New Electricity Trading Arrangements (NETA) in March 2001 was a fall in the price of electricity, including the price of electricity exported from CHP plants. This may have led to a decline in investment in new plants and also a decline in the electrical output of existing CHP plants between 2000 and 2001. Electricity generation at CHP plants rose from 2001 to its peak in 2005, exceeding the 2000 level by 14 per cent. However, between 2006 and 2011, electricity generation has declined steadily.

Chart 7.1.2: CHP electricity and heat generation and heat: power ratio 1977 to 2014



Heat to power ratios and heat generation data are not available before 1991

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7.1.1 Combined Heat and Power: capacity, generation and fuel use

	Number of schemes	Electricity capacity *(1)*	Heat capacity (2)	Heat to power ratio *(3)*	Fuel input	Electricity generation	Heat generation *(4)*	Overall efficiency *(5)*	Load factor
		MWe	MWth		GWh	GWh	GWh	Per cent	Per cent
1977	..	2,793	..	..	..	10,450	..	..	43
1983	..	2,254	..	..	..	7,500	..	..	38
1988	..	1,793	..	..	..	8,700	..	..	55
1991	266	2,293	13,361	5.80	113,537	10,917	65,174	67.0	54.3
1993	996	2,893	14,442	4.12	101,650	14,171	58,418	71.4	55.9
1994	1,139	3,117	15,704	4.67	97,468	12,853	60,079	74.8	47.1
1995	1,220	3,355	15,698	3.85	106,504	14,778	56,833	67.2	50.3
1996	1,298	3,041	15,276	3.81	97,993	14,782	56,285	72.5	55.5
1997	1,318	3,204	15,528	3.46	97,881	15,699	54,329	71.5	55.9
1998	1,328	3,439	15,557	3.16	100,877	17,568	55,579	72.5	58.3
1999	1,352	3,669	15,426	2.81	100,549	19,104	53,755	72.5	59.4
2000	1,339	4,451	26,150	2.17	106,229	25,245	54,877	75.4	64.7
2001	1,366	4,453	26,479	2.61	109,348	21,231	55,410	70.1	54.4
2002	1,328	4,548	27,056	2.35	112,668	23,221	54,564	69.0	58.3
2003	1,292	4,472	26,122	2.30	113,085	23,933	54,977	69.8	61.1
2004	1,263	5,340	22,505	2.10	120,180	26,852	56,520	69.4	57.4
2005	1,284	5,464	22,390	1.96	124,602	28,827	56,441	68.4	60.2
2006	1,271	5,361	22,067	1.86	122,340	28,729	53,405	67.1	61.2
2007	1,314	5,318	21,235	1.84	118,598	27,832	51,297	66.7	59.7
2008	1,327	5,323	21,133	1.89	118,685	27,528	51,911	66.9	59.0
2009	1,379	5,492	22,258	1.82	111,290	26,425	48,091	67.0	54.9
2010	1,459	5,950	22,204	1.80	112,559	26,768	48,267	66.7	51.4
2011	1,791	5,969	22,167	2.12	98,195	22,767	48,184	72.3	43.5
2012	1,955	6,175	22,970	2.10	99,421	22,950	48,244	71.6	42.4
2013	2,054	6,190	22,750	2.26	93,658	20,400	46,076	71.0	37.6
2014	2,066	6,118	22,539	2.14	90,707	20,281	43,306	70.1	37.8

(1) (CHP_{QPO}) basis from 1995 onwards
(2) Complete heat capacity data is only available from 2000 onwards following the introduction of CHPQA
(3) Heat to power ratios are calculated from the qualifying heat output (QHO) and the qualifying power output (QPO) (and their equivalents in the years before the CHPQA scheme was used for CHP statistics).
(4) These are calculated using gross calorific values; overall net efficiencies are some 5 percentage points higher.
(5) (CHP_{QHO}) basis from 1995 onwards