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Yearbook of Energy Statistics

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Ministry of Knowledge Economy

에너지경제연구원
KOREA ENERGY ECONOMICS INSTITUTE

〈 열량 환산계수 적용 안내 〉

2007년 이후 에너지 통계는 “에너지기본법 시행규칙 제5조1항”에 의거 2006년 9월에 고시된 “에너지열량환산 기준(제5차)”을 적용한 것임.
단, 2007년 자료의 경우 개정 전·후 열량을 적용한 에너지밸런스를 “Ⅷ. 에너지밸런스”에 수록.

이용자를 위한 참고사항

1. 본 통계연보는 에너지원을 중심으로 석유, 석탄, 전력, 에너지 이용 설비 등에 관한 기초 통계자료를 수집하여 편집하였음.
2. 통계표에 관한 특기사항은 통계표 하단에 “주”로서 표시하였으며 자료출처도 명기하였음.
3. 숫자의 단위 미만은 사사오입에 의한 반올림을 원칙으로 하였으며 세부적인 내용의 합계가 총계란과 일치하지 않는 경우도 있음.
4. 통계표의 최종수록 연도는 가능한 2011년으로 하였으며, 연간 통계는 연말 기준으로 하였음.
5. 통계표에 사용된 부호는 다음과 같음.
   — 해당숫자 없음 p 잠정 … 자료 없음 e 추정
6. ’97년 이후의 에너지통계는 석유류 수급통계 기준변경에 의해 이전통계에서 제외되었던 윤활기유, 석유코크스, 파라핀왁스, 기타제품(부생연료유 등) 포함.
7. 통계자료에 대한 문의사항은 각 자료의 출처기관이나 에너지경제연구원 에너지통계연구실 (031-420-2165)으로 연락주시기 바람.

Explanatory Notes

1. The "Yearbook of Energy Statistics" contains the basic statistical data on oil, coal, electricity, other energy sources and energy equipment in the Republic of Korea.
2. The special explanations of the tables are given in the note, and the sources of data are presented below.
3. Figures will not exactly add up to the totals because of rounding off to the nearest integer.
4. The final year of statistical table is 2011 with a few exception and the figures in the table are as of the end of each year.
5. Symbol used in these table is :
   — Data not applicable p Preliminary … Data not available e Estimated
6. This Yearbook reflects a recent change in oil Statistics Standards in Korea. Begining in 1997 Statistics, four new categories(Lubricant, Praffin-wax, Petroleum coke and other products) are included that were previously not reported.
7. If you have any questions on the statistical material in the volume, please contact either Center for Energy Information & Statistics in KEEI(Tel. 031-420-2165) or the Institution from which the data are acquired.

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통 계 도 표
Statistics in Charts

※ 2011 Energy Balance Flow

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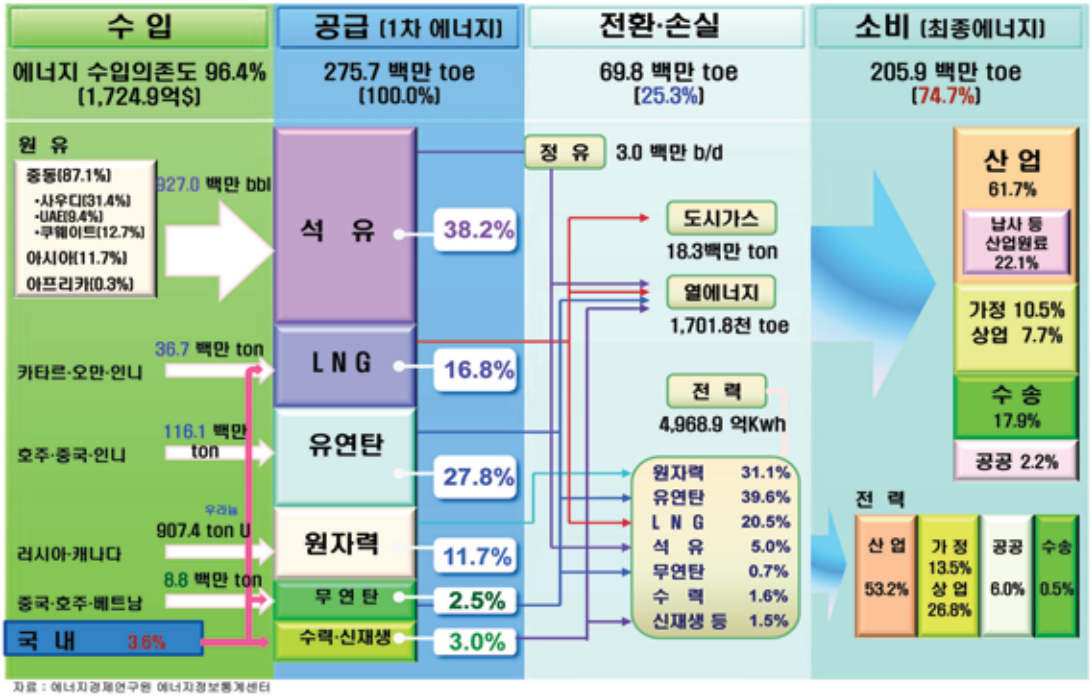
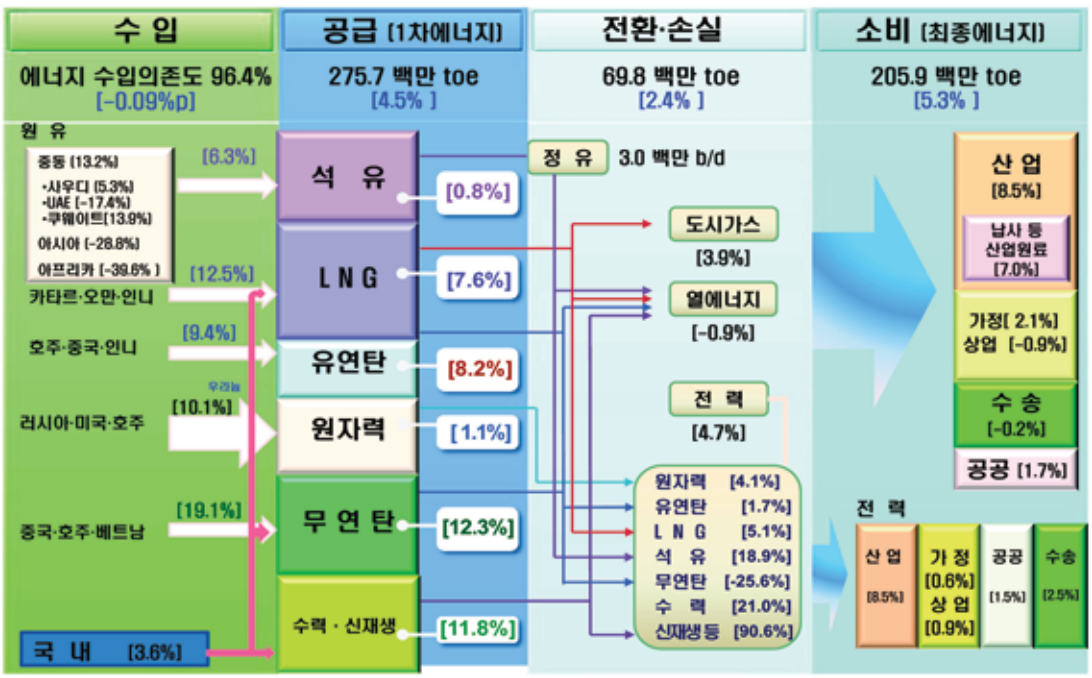
2. 1차에너지 공급	Primary Energy Supply
3. 에너지 소비	Energy Consumption
4. 에너지 수입가격	Energy Imports Prices
5. 정유시설 현황	Capacity of Oil Refining Facilities
6. 발전설비 추이	Trends of Generating Facilities

2011년 Energy Balance Flow



자료 : 에너지경제연구원 에너지정보통계센터

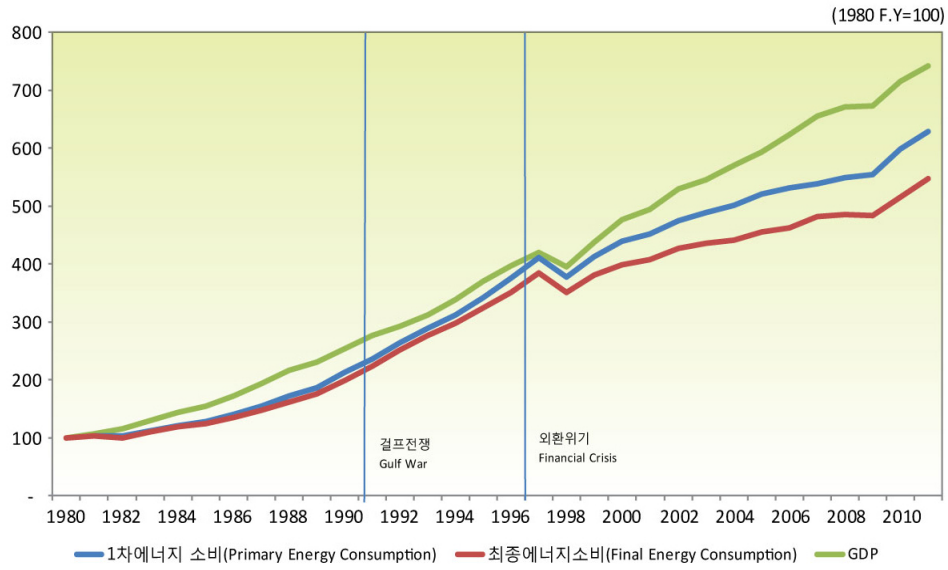
2011년 Energy Balance Flow (전년 대비)



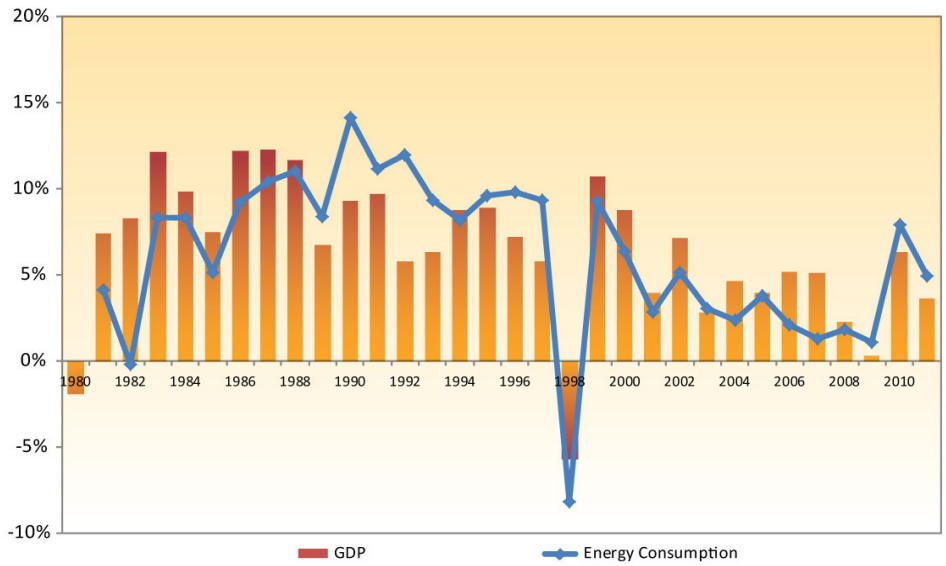
자료 : 에너지경제연구원, [ ]는 전년 대비 증감

1 경제성장과 에너지소비 Economic Growth and Energy Consumption

▣ GDP와 에너지 소비추이
Trends in Energy Consumption, GDP and Indicators

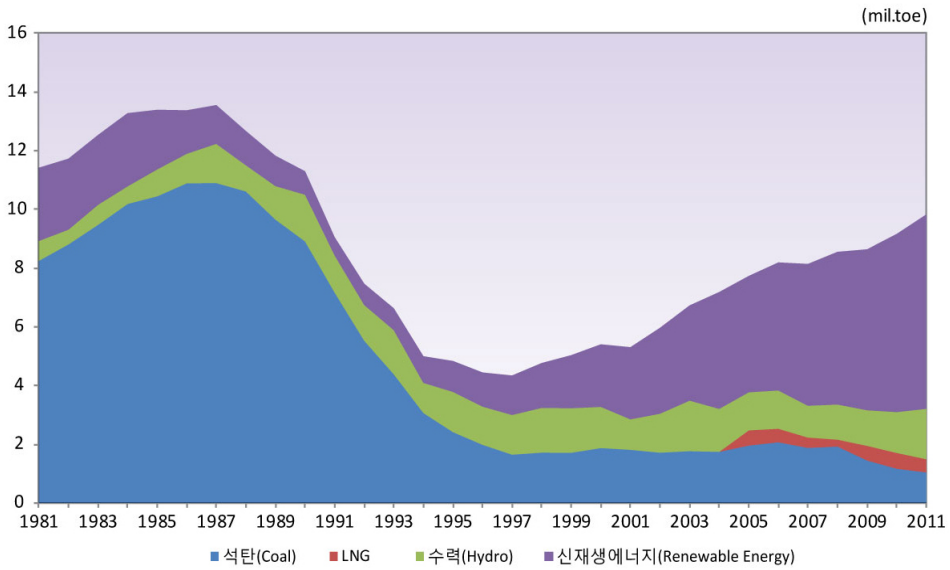


▣ GDP와 에너지 소비 증가율
GDP and Energy Consumption Growth Rate

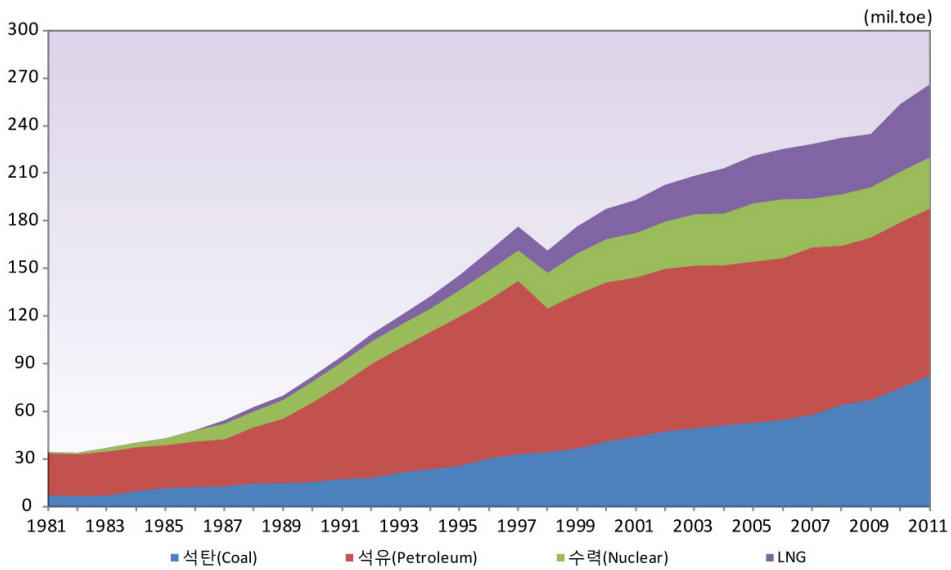


2 1차에너지 공급 Primary Energy Supply

▣ 국내생산
Domestic Energy

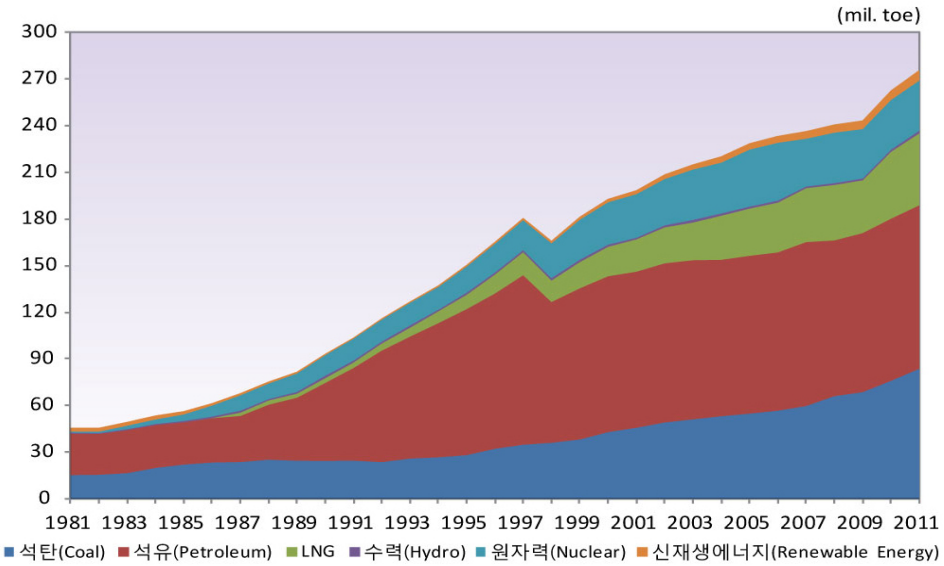


▣ 수입에너지
Imported Energy

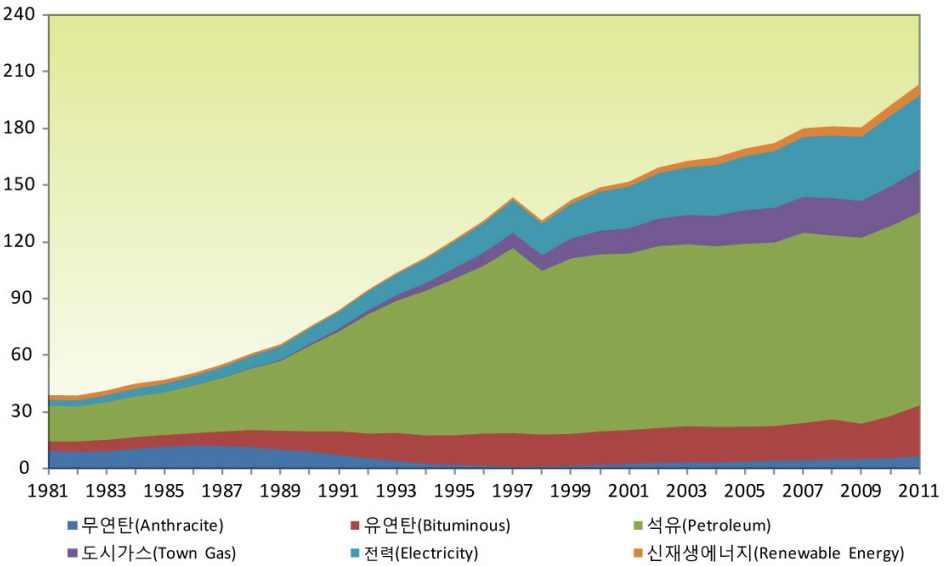


3 에너지 소비 Energy Consumption

▣ 1차에너지 소비
Primary Energy Consumption

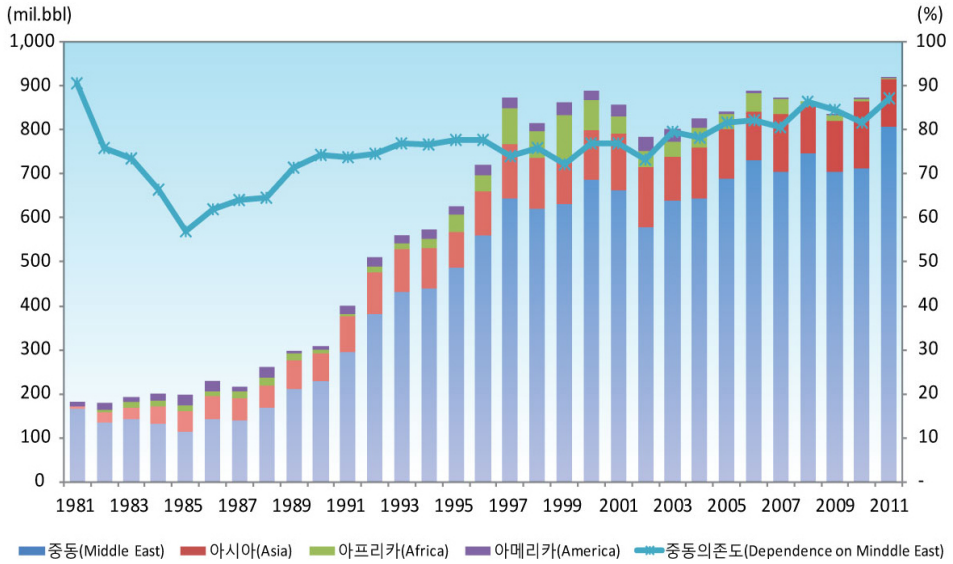


▣ 최종에너지 소비
Final Energy Consumption

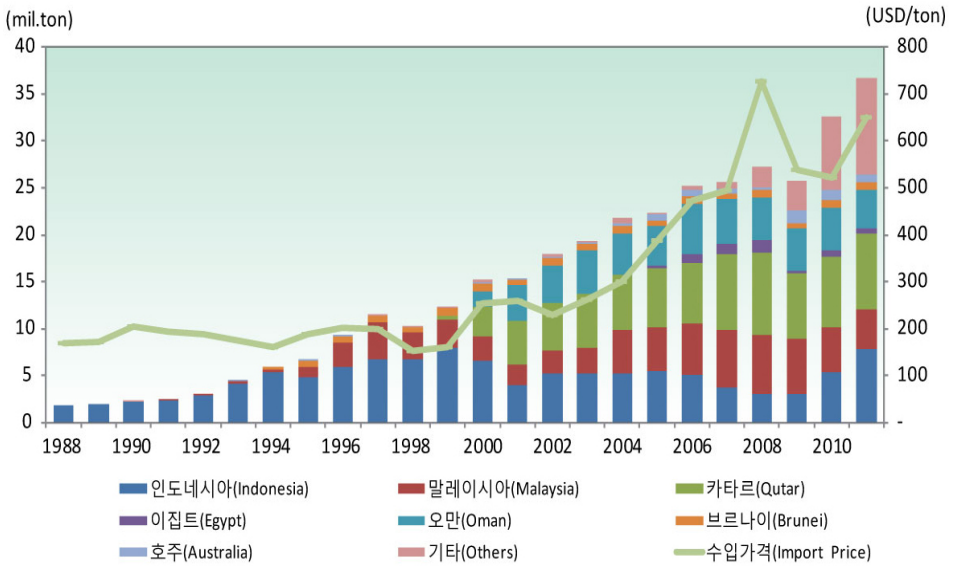


4 에너지 수입가격 Energy Imports Prices

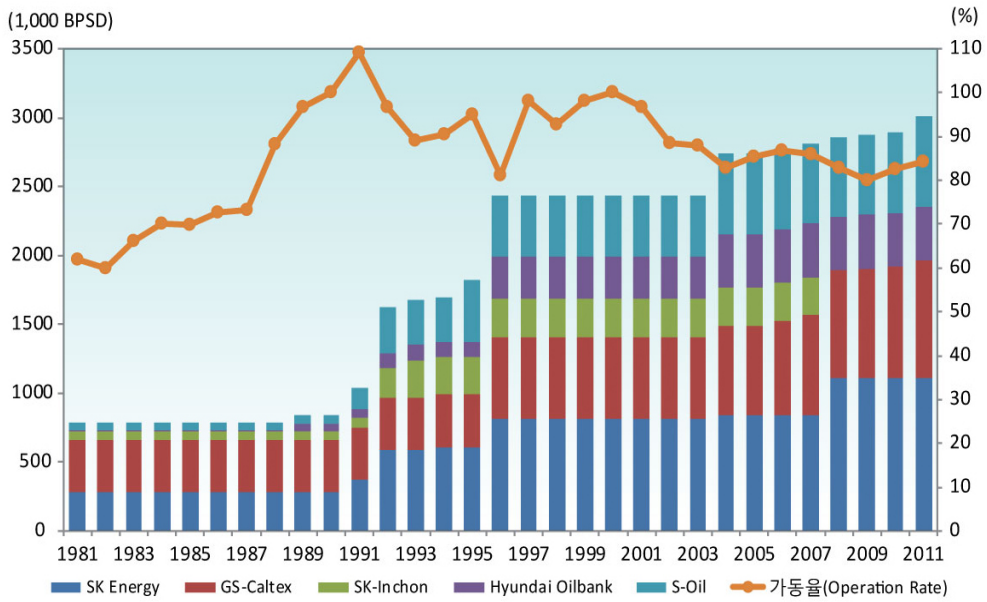
▣ 원유 수입
Crude Oil Imports by Region



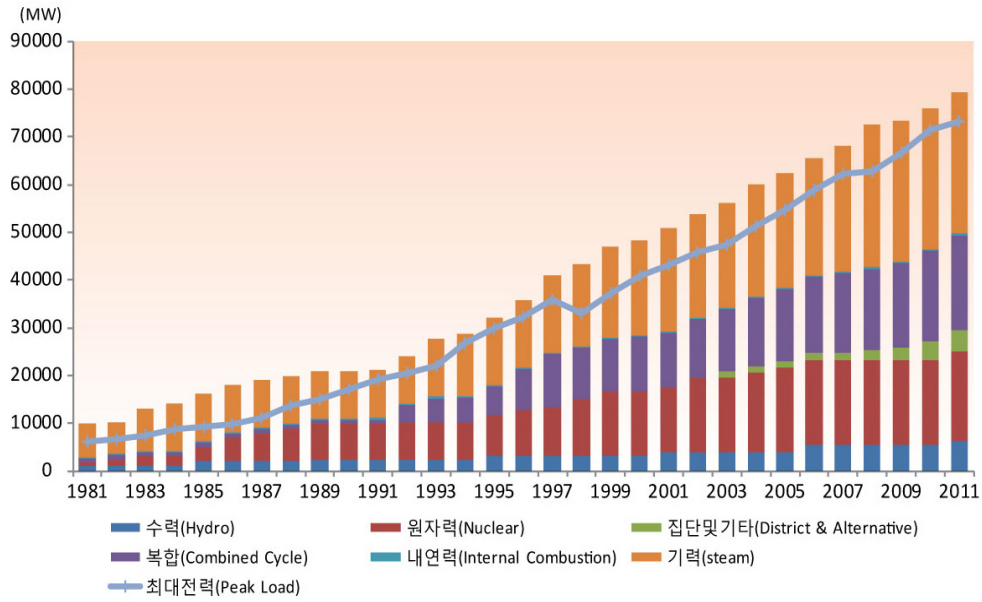
▣ LNG 수입
LNG Imports and Prices



5 정유시설 현황 Capacity of Oil Refining Facilities



6 발전설비 추이 Trends of Generating Facilities



Ⅰ. 에너지 개요

Energy Overview

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11. 에너지밸런스
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1 주요 에너지 지표

	에너지소비량 Energy Consumption		1차에너지원별 구성비 Share of Primary Energy			
	1차에너지 Primary Energy	최종에너지 Final Energy	석 탄 Coal	석 유 Petroleum	천연가스 LNG	수 력 Hydro
	1,000 toe		%			
1981	45,718	38,952	33.3	58.1	–	1.5
1982	45,625	38,711	33.9	57.6	–	1.1
1983	49,420	41,337	33.4	55.9	–	1.4
1984	53,535	44,998	37.1	51.6	–	1.1
1985	56,296	46,998	39.1	48.2	–	1.6
1986	61,462	50,524	38.0	46.4	0.1	1.6
1987	67,878	55,197	34.8	43.7	3.1	2.0
1988	75,351	61,033	33.4	47.0	3.6	1.2
1989	81,660	65,875	30.0	49.6	3.2	1.4
1990	93,192	75,107	26.2	53.8	3.2	1.7
1991	103,619	83,803	23.7	57.5	3.4	1.2
1992	116,010	94,623	20.4	61.8	3.9	1.0
1993	126,879	104,048	20.4	61.9	4.5	1.2
1994	137,234	112,206	19.4	62.9	5.6	0.7
1995	150,437	121,962	18.7	62.5	6.1	0.9
1996	165,212	132,033	19.5	60.5	7.4	0.8
1997	180,638	144,432	19.3	60.4	8.2	0.7
1998	165,932	132,128	21.7	54.6	8.4	0.9
1999	181,363	143,060	21.0	53.6	9.3	0.9
2000	192,887	149,852	22.3	52.0	9.8	0.7
2001	198,409	152,950	23.0	50.7	10.5	0.5
2002	208,636	160,451	23.5	49.1	11.1	0.6
2003	215,067	163,995	23.8	47.6	11.2	0.8
2004	220,238	166,009	24.1	45.7	12.9	0.7
2005	228,622	170,854	24.0	44.4	13.3	0.6
2006	233,372	173,584	24.3	43.6	13.7	0.6
2007	236,454	181,455	25.2	44.6	14.7	0.5
2008	240,752	182,576	27.4	41.6	14.8	0.5
2009	243,311	182,066	28.2	42.1	13.9	0.5
2010	263,805	195,587	29.2	39.6	16.3	0.5
2011	275,688	205,864	30.3	38.2	16.8	0.6

주 : 1) 2005년 연쇄가격기준
2) ( )는 원자력 발전을 국내생산에 포함시 수입의존도
3) 2007년 이후는 개정열량 환산계수 적용(에너지기본법 시행규칙 제5조1항)

1 Major Energy indicators

원 자 력 Nuclear	신재생에너지 Renewable Energy	1인당 에너지소비량 Per Capita Energy	GDP 단위당 에너지소비[1] Energy/GDP		지 수 Index	수입의존도[2] Overseas Dependence	
%		toe	toe/ mil.won	toe/ 1,000 USD	2005=100	%	
1.6	5.5	1.18	0.292	0.299	110.4	75.0 (73.4)	1981
2.1	5.3	1.16	0.269	0.275	101.8	74.3 (72.2)	1982
4.5	4.8	1.24	0.260	0.266	98.2	74.6 (70.1)	1983
5.5	4.7	1.32	0.256	0.262	96.9	75.2 (69.7)	1984
7.4	3.6	1.38	0.250	0.257	94.8	76.2 (68.8)	1985
11.5	2.4	1.49	0.244	0.250	92.2	78.2 (66.7)	1986
14.5	1.9	1.63	0.240	0.245	90.7	80.0 (65.6)	1987
13.3	1.5	1.79	0.238	0.244	90.2	83.2 (69.9)	1988
14.5	1.3	1.92	0.242	0.248	91.5	85.5 (71.0)	1989
14.2	0.9	2.17	0.253	0.259	95.6	87.9 (73.7)	1990
13.6	0.6	2.39	0.256	0.262	96.9	91.0 (77.5)	1991
12.2	0.6	2.65	0.271	0.277	102.5	93.6 (81.4)	1992
11.5	0.5	2.87	0.279	0.285	105.5	94.8 (83.3)	1993
10.7	0.7	3.07	0.277	0.284	104.9	96.4 (85.7)	1994
11.1	0.7	3.34	0.279	0.286	105.5	96.8 (85.6)	1995
11.2	0.7	3.63	0.286	0.293	108.1	97.3 (86.1)	1996
10.7	0.7	3.93	0.295	0.303	111.8	97.6 (86.9)	1997
13.5	0.9	3.58	0.288	0.295	108.9	97.1 (83.6)	1998
14.2	1.0	3.89	0.284	0.291	107.5	97.2 (83.0)	1999
14.1	1.1	4.10	0.278	0.284	105.1	97.2 (83.1)	2000
14.1	1.2	4.19	0.275	0.281	104.0	97.3 (83.2)	2001
14.3	1.4	4.38	0.270	0.276	102.0	97.1 (82.9)	2002
15.1	1.5	4.49	0.270	0.277	102.3	96.9 (81.8)	2003
14.8	1.8	4.58	0.265	0.271	100.1	96.7 (81.9)	2004
16.1	1.7	4.75	0.264	0.271	100.0	96.6 (80.6)	2005
15.9	1.9	4.82	0.256	0.263	97.1	96.5 (80.6)	2006
13.0	2.0	4.87	0.247	0.253	93.6	96.5 (83.6)	2007
13.5	2.2	4.92	0.246	0.252	93.1	96.4 (83.0)	2008
13.1	2.2	4.95	0.248	0.254	93.8	96.4 (83.4)	2009
12.1	2.3	5.34	0.253	0.259	95.7	96.5 (84.4)	2010
11.7	2.4	5.54	0.255	0.261	96.5	96.4 (84.7)	2011

Note : 1) Based on chained 2005 prices.
2) Figures in parentheses denote overseas dependence ratio excluding nuclear generation.
3) From 2007, are based on the Revised Calorific Value.

2 에너지 수출입

	수 Imports				
	석 탄 Coal				석 유 Petroleum
	계 Total	무 연 탄 Anthracite	유 연 탄 Bituminous	기타 석탄 Others	계 Total
	1,000 ton				1,000 bbl
1981	11,538	4,293	7,245	–	195,977
1982	11,331	2,292	9,039	–	198,159
1983	10,989	838	10,151	–	214,585
1984	13,103	909	12,194	–	224,075
1985	19,961	2,830	17,131	–	222,408
1986	21,012	4,575	16,437	–	261,606
1987	21,325	3,491	17,834	–	264,499
1988	24,926	2,707	21,913	306	303,026
1989	24,451	1,527	23,500	424	345,680
1990	24,119	1,121	22,848	150	409,616
1991	29,434	1,505	27,906	23	509,979
1992	30,764	898	29,208	658	649,093
1993	35,958	820	35,158	–	733,992
1994	39,448	696	38,710	42	777,701
1995	44,074	778	43,166	130	849,449
1996	46,531	27	45,925	579	952,845
1997	49,585	507	49,312	39	1,063,488
1998	52,437	789	50,566	1,082	998,460
1999	53,722	1,139	51,101	1,482	1,065,810
2000	64,170	2,038	59,600	2,532	1,104,110
2001	67,035	3,110	61,856	2,069	1,073,018
2002	70,473	3,879	64,640	1,954	1,029,045
2003	72,153	4,640	65,318	2,195	1,032,391
2004	79,697	4,252	72,103	3,342	1,025,784
2005	77,153	4,567	69,330	3,256	1,030,681
2006	80,067	5,113	70,888	4,066	1,083,856
2007	88,899	5,444	79,355	4,100	1,082,804
2008	100,398	5,955	90,470	3,973	1,091,273
2009	103,309	6,468	92,952	3,889	1,105,222
2010	119,304	7,406	106,096	5,802	1,151,515
2011	129,712	8,816	116,118	4,777	1,206,267

자료 : 한국무역협회, 한국석유공사

2 Energy Export and Import

입				수 출 Exports	
원 유 Crude Oil	석유제품 Petroleum Product	천연가스 LNG	원자력 연료 Uranium	석유제품 Petroleum Product	
1,000 bbl		1,000 ton	ton U	1,000 bbl	
182,816	13,161	–	90	3,084	1981
178,369	19,790	–	89	6,904	1982
192,888	21,697	–	111	16,421	1983
199,682	24,393	–	174	24,053	1984
198,313	24,095	–	207	26,440	1985
230,063	31,543	117	229	27,261	1986
216,163	48,336	1,682	342	32,510	1987
261,079	41,947	2,063	300	31,247	1988
296,410	49,270	2,014	270	34,802	1989
308,368	101,248	2,291	170	27,184	1990
399,304	110,675	2,758	205	69,744	1991
509,377	137,011	3,425	138	91,653	1992
560,563	167,759	4,454	354	103,493	1993
573,714	190,790	5,928	313	89,933	1994
624,945	205,428	7,060	310	120,399	1995
721,927	215,124	9,595	378	155,662	1996
873,415	185,811	11,629	449	228,563	1997
819,094	175,895	10,600	844	294,488	1998
874,090	184,490	12,973	612	293,139	1999
893,943	204,301	14,578	576	306,293	2000
859,367	204,781	16,164	723	295,010	2001
790,992	228,557	17,470	778	239,127	2002
804,809	219,897	19,434	750	209,079	2003
825,790	195,110	22,153	808	235,506	2004
843,203	179,354	22,341	714	262,647	2005
888,794	191,548	25,222	737	289,070	2006
872,541	209,130	25,568	823	292,072	2007
864,872	224,614	27,259	883	333,764	2008
835,085	268,176	25,822	913	330,912	2009
872,415	276,802	32,604	824	341,784	2010
927,044	279,223	36,685	907	408,338	2011

Source : Korea International Trade Association, Korea National Oil Corporation

3 에너지 수입액

단위 : 백만 달러(CIF)

	총수입액 Total Imports (a)	에너지수입 계 Energy Imports		석 탄 Coal			
		(b)	b/a(%)	소 계 Sub-Total	무 연 탄 Anthracite	유 연 탄 Bituminous	기타 석탄[1] Others
1981	26,131	7,763	29.7	817	302	484	31
1982	24,251	7,580	31.3	785	165	601	19
1983	26,192	6,936	26.5	654	49	588	17
1984	30,631	7,263	23.7	724	46	663	15
1985	31,136	7,322	23.5	1,039	138	890	11
1986	31,584	4,995	15.8	1,025	214	798	13
1987	41,020	5,926	14.4	989	149	828	13
1988	51,811	5,920	11.4	1,164	129	1,021	15
1989	61,465	7,516	12.2	1,304	75	1,212	17
1990	69,844	10,908	15.6	1,286	52	1,217	17
1991	81,525	12,754	15.6	1,598	66	1,514	18
1992	81,775	14,654	17.9	1,615	42	1,535	38
1993	83,800	15,088	18	1,733	40	1,643	50
1994	102,348	15,471	15.1	1,776	33	1,695	48
1995	135,119	19,053	14.1	2,081	35	1,992	54
1996	150,339	24,243	16.1	2,336	46	2,251	40
1997	144,616	27,308	18.9	2,398	38	2,301	60
1998	93,282	18,276	19.6	2,229	36	2,147	46
1999	119,752	22,745	19	1,966	46	1,866	53
2000	160,481	37,888	23.6	2,186	72	2,033	80
2001	141,098	33,894	24	2,347	118	2,157	72
2002	152,126	32,290	21.2	2,475	148	2,254	72
2003	178,827	38,306	21.4	2,552	177	2,266	109
2004	224,463	49,600	22.1	4,438	233	3,891	314
2005	261,238	66,697	25.5	5,443	429	4,803	211
2006	309,383	85,566	27.7	5,317	407	4,700	211
2007	356,846	94,978	26.6	6,445	448	5,675	323
2008	435,275	141,475	32.5	12,809	991	11,156	662
2009	323,085	91,160	28.2	9,995	672	8,997	326
2010	425,212	121,654	28.6	13,131	1,016	11,425	690
2011	524,413	172,490	32.9	18,477	1,774	16,052	651

주 : 1) 기타석탄에 갈탄, 토탄 포함.
자료 : 한국무역협회

3 Import Amount of Energy

Unit : Million USD(CIF)

석 유 Petroleum					천연가스 LNG	우 라 늄 Uranium	
소 계 Sub-Total	원 유 Crude Oil	나 프 타 Naphtha	LPG	기타제품 Others			
6,922	6,371	58	29	464	–	23	1981
6,781	6,097	50	68	567	–	14	1982
6,274	5,572	174	109	418	–	8	1983
6,518	5,771	143	134	470	–	19	1984
6,257	5,572	152	130	404	–	22	1985
3,931	3,346	135	114	337	13	24	1986
4,651	3,702	179	121	648	284	0	1987
4,431	3,688	120	178	446	323	0	1988
5,861	4,933	117	203	608	347	1	1989
9,160	6,386	338	389	2,046	460	1	1990
10,585	8,134	622	449	1,381	485	84	1991
12,378	9,548	1,057	596	1,177	562	98	1992
12,439	9,151	1,180	601	1,506	781	135	1993
12,542	8,878	1,227	600	1,837	961	191	1994
25,482	10,809	1,367	896	2,409	1,275	215	1995
19,826	14,432	1,674	1,019	2,702	1,878	201	1996
22,378	17,772	1,874	1,252	1,480	2,296	236	1997
14,284	11,241	1,780	694	568	1,549	214	1998
18,585	14,783	1,970	1,029	804	1,973	222	1999
31,594	25,216	3,396	1,467	1,516	3,882	225	2000
27,323	21,368	3,255	1,219	1,481	3,990	233	2001
25,414	19,200	3,084	1,248	1,883	4,120	280	2002
30,407	23,082	4,122	1,338	1,865	5,082	265	2003
38,274	29,917	5,552	1,509	1,295	6,552	336	2004
52,321	42,606	6,543	1,933	1,240	8,646	286	2005
67,984	55,865	8,143	2,560	1,416	11,925	339	2006
75,390	60,324	10,683	3,097	1,286	12,653	489	2007
108,130	85,855	15,395	4,741	2,139	19,806	729	2008
66,568	50,757	10,687	3,046	2,078	13,875	722	2009
90,902	68,662	14,953	4,313	2,974	17,006	615	2010
129,346	100,806	18,861	5,657	4,023	23,859	807	2011

Note : 1) Includes Brown coal, Peat in Others
Source : Korea International Trade Association

4 1차에너지 공급 구조

	1차에너지 공급 Total	생 산 Production				
		소 계 Sub-Total	무 연 탄 Anthracite	천연가스 LNG	수 력 Hydro	신재생에너지 Renewable Energy
	1,000 toe		1,000 ton		GWh	1,000 toe
1981	45,718	11,417(12,141)	17,932	–	2,709	2,492
1982	45,625	11,726(12,670)	19,148	–	2,004	2,417
1983	49,420	12,533(14,774)	20,596	–	2,723	2,378
1984	53,535	13,278(16,226)	22,143	–	2,399	2,492
1985	56,296	13,393(17,579)	22,711	–	3,659	2,031
1986	61,462	13,375(20,453)	23,674	–	4,019	1,480
1987	67,878	13,553(23,381)	23,692	–	5,344	1,319
1988	75,351	12,669(22,694)	23,586	–	3,566	1,164
1989	81,660	11,828(23,669)	21,455	–	4,558	1,033
1990	93,192	11,298(24,520)	19,802	–	6,361	797
1991	103,619	9,052(23,130)	15,938	–	5,051	614
1992	116,010	7,469(21,601)	12,290	–	4,863	723
1993	126,879	6,631(21,165)	9,749	–	6,006	742
1994	137,234	4,999(19,662)	6,817	–	4,098	906
1995	150,437	4,836(21,593)	5,367	–	5,478	1,051
1996	165,212	4,444(22,925)	4,406	–	5,202	1,161
1997	180,638	4,342(23,613)	3,659	–	5,404	1,344
1998	165,932	4,766(27,188)	3,812	–	6,099	1,526
1999	181,363	5,034(30,800)	3,803	–	6,067	1,806
2000	192,887	5,403(32,644)	4,158	–	5,610	2,130
2001	198,409	5,306(33,339)	4,027	–	4,151	2,456
2002	208,636	5,966(35,742)	3,808	–	5,309	2,925
2003	215,067	6,728(39,143)	3,924	–	6,887	3,241
2004	220,238	7,184(39,863)	3,871	–	5,861	3,977
2005	228,622	7,732(43,909)	4,347	398	5,189	3,961
2006	233,372	8,192(45,379)	4,596	355	5,219	4,358
2007	236,454	8,141(38,873)	4,035	271	5,042	4,856
2008	240,752	8,553(41,008)	4,134	181	5,563	5,198
2009	243,311	8,639(40,409)	3,114	383	5,641	5,480
2010	263,805	9,160(41,108)	2,508	415	6,472	6,064
2011	275,688	9,825(42,111)	2,239	347	7,978	6,618

주 : ( )안 수치는 원자력발전을 국내생산에 포함한 수치임.

4 Primary Energy Supply Structure

수 입 Import					
소 계 Sub-Total	석 탄 Coal	석 유 Petroleum	원자력 Nuclear	천연가스 LNG	
1,000 toe	1,000 ton	1,000 bbl	GWh	1,000 ton	
34,299(33,575)	10,906	180,053	2,897	–	1981
33,899(32,955)	10,221	178,894	3,776	–	1982
36,887(34,646)	10,732	189,308	8,965	–	1983
40,259(37,311)	14,861	191,049	11,792	–	1984
42,903(38,717)	17,822	189,190	16,745	–	1985
48,087(41,009)	19,204	200,591	28,311	54	1986
54,325(44,497)	19,612	210,512	39,314	1,621	1987
62,682(52,656)	22,320	250,558	40,101	2,094	1988
69,833(57,992)	22,683	287,150	47,365	2,027	1989
81,894(68,673)	23,603	356,348	52,887	2,329	1990
94,570(80,492)	26,454	424,667	56,311	2,694	1991
108,541(94,409)	27,524	514,224	56,530	3,524	1992
120,248(105,713)	32,670	564,575	58,138	4,402	1993
132,236(117,573)	35,843	621,498	58,651	5,860	1994
145,601(128,844)	38,985	677,210	67,029	7,087	1995
160,768(142,287)	45,871	721,065	73,925	9,363	1996
176,296(157,025)	50,283	793,899	77,086	11,379	1997
161,166(138,744)	52,080	670,278	89,689	10,645	1998
176,329(150,563)	55,326	719,657	103,064	12,961	1999
187,484(160,243)	62,367	742,557	108,964	14,557	2000
193,104(165,071)	66,797	743,667	112,133	15,990	2001
202,670(172,894)	72,143	762,868	119,102	17,768	2002
208,339(175,924)	75,197	762,941	129,659	18,610	2003
213,054(180,375)	78,245	752,329	130,715	21,809	2004
220,890(184,713)	80,475	761,080	146,779	22,952	2005
225,180(187,993)	83,231	765,520	148,749	24,264	2006
228,313(197,581)	90,093	794,946	142,937	26,393	2007
232,200(199,744)	100,064	760,641	150,958	27,258	2008
234,672(202,902)	105,265	778,480	147,771	25,700	2009
254,644(222,696)	118,521	794,278	148,596	32,668	2010
265,862(233,577)	128,621	801,643	150,164	35,256	2011

Note : Figures in parentheses are including nuclear generation in domestic production.

5 1차에너지 소비

	석 탄 Coal			석 Petroleum	
	계 Total	무 연 탄 Anthracite	유 연 탄 Bituminous	계 Total	에너지유 Energy Use
	1,000 ton			1,000 bbl	
1981	28,848	21,414	7,434	180,053	152,306
1982	29,369	20,866	8,503	178,894	149,276
1983	31,328	21,695	9,633	189,308	153,582
1984	37,004	24,259	12,745	191,049	150,388
1985	40,533	25,836	14,697	189,190	145,488
1986	42,878	27,588	15,290	200,591	150,000
1987	43,304	27,086	16,218	210,512	154,368
1988	45,906	26,632	19,274	250,558	187,057
1989	44,138	23,670	20,468	287,150	218,770
1990	43,405	21,529	21,876	356,348	267,514
1991	42,392	17,557	24,835	424,667	308,487
1992	39,814	13,597	26,217	514,224	352,828
1993	42,419	10,867	31,552	564,575	386,698
1994	42,660	7,549	35,111	621,498	424,675
1995	44,352	6,263	38,089	677,210	469,010
1996	50,277	5,370	44,907	721,065	499,962
1997	53,942	4,230	49,712	793,899	507,218
1998	55,892	4,631	51,261	670,278	370,853
1999	59,129	4,992	54,137	719,657	405,864
2000	66,525	6,196	60,329	742,557	409,673
2001	70,823	7,137	63,686	743,667	404,727
2002	75,952	7,687	68,264	762,868	402,143
2003	79,121	8,581	70,540	762,941	395,124
2004	82,116	8,138	73,978	752,329	371,241
2005	84,822	9,034	75,788	761,080	367,053
2006	87,827	9,829	77,998	765,520	355,880
2007	94,128	9,698	84,430	794,946	352,955
2008	104,198	10,215	93,983	760,641	320,153
2009	108,378	9,777	98,602	778,480	319,865
2010	121,029	10,104	110,926	794,278	326,416
2011	130,860	11,182	119,678	801,643	312,603

주 : 1) 1991년 이전 신재생에너지는 임산연료 기준임.

5 Primary Energy Consumption

유		천연가스 L N G	수 력 Hydro	원 자 력 Nuclear	신재생에너지[1] Renewable Energy	
LPG	비에너지유 Non-Energy Use					
1,000 bbl		1,000 ton	GWh		1,000 toe	
4,962	22,785	–	2,709	2,897	2,492	1981
7,225	22,393	–	2,004	3,776	2,417	1982
9,930	25,796	–	2,723	8,965	2,378	1983
12,201	28,460	–	2,399	11,792	2,492	1984
14,247	29,456	–	3,659	16,745	2,031	1985
17,585	33,007	54	4,019	28,311	1,480	1986
21,216	34,927	1,621	5,344	39,314	1,319	1987
25,904	37,596	2,094	3,566	40,101	1,164	1988
30,329	38,051	2,027	4,558	47,365	1,033	1989
35,712	53,123	2,329	6,361	52,887	797	1990
43,131	73,048	2,694	5,051	56,311	614	1991
53,917	107,479	3,524	4,863	56,530	723	1992
59,437	118,440	4,402	6,006	58,138	742	1993
63,452	133,371	5,860	4,098	58,651	906	1994
66,468	141,731	7,087	5,478	67,029	1,051	1995
68,441	152,662	9,363	5,202	73,925	1,161	1996
71,623	215,059	11,379	5,404	77,086	1,344	1997
67,992	231,433	10,645	6,099	89,689	1,526	1998
77,007	236,786	12,961	6,067	103,064	1,806	1999
84,688	248,196	14,557	5,610	108,964	2,130	2000
84,377	254,563	15,990	4,151	112,133	2,456	2001
91,415	269,310	17,768	5,309	119,102	2,925	2002
88,606	279,211	18,610	6,887	129,659	3,241	2003
88,432	292,655	21,809	5,861	130,715	3,977	2004
91,668	302,359	23,350	5,189	146,779	3,961	2005
93,451	316,189	24,619	5,219	148,749	4,358	2006
97,143	344,848	26,664	5,043	142,937	4,856	2007
101,881	338,607	27,439	5,563	150,958	5,198	2008
106,320	352,295	26,083	5,641	147,771	5,480	2009
105,175	362,688	33,083	6,472	148,596	6,064	2010
99,201	389,839	35,603	7,978	150,164	6,618	2011

Note : 1) Before 1991, based on Firewood.

6 1차에너지 소비(열량)

단위 : 천 toe

	합 계 Total	증가율 Growth Rate	석 탄 Coal						석			
			소 계		무 연 탄		유 연 탄		소 계		에너지유	
		(%)	Sub-Total	%	Anthracite	%	Bituminous	%	Sub-Total	%	Energy Use	%
1981	45,718	4.1	15,244	33.3	10,338	22.6	4,906	10.7	26,580	58.1	23,110	50.5
1982	45,625	-0.2	15,451	33.9	9,839	21.6	5,612	12.3	26,312	57.6	22,649	49.6
1983	49,420	8.3	16,491	33.4	10,133	20.5	6,358	12.9	27,629	55.9	23,250	47.0
1984	53,535	8.3	19,867	37.1	11,455	21.4	8,412	15.7	27,629	51.6	22,663	42.3
1985	56,296	5.2	22,022	39.1	12,322	21.9	9,700	17.2	27,142	48.2	21,836	38.8
1986	61,462	9.2	23,330	38.0	13,239	21.5	10,091	16.4	28,499	46.4	22,408	36.5
1987	67,878	10.4	23,639	34.8	12,935	19.1	10,704	15.8	29,653	43.7	22,958	33.8
1988	75,351	11.0	25,162	33.4	12,441	16.5	12,721	16.9	35,390	47.0	27,869	37.0
1989	81,660	8.4	24,493	30.0	10,984	13.5	13,509	16.5	40,524	49.6	32,506	39.8
1990	93,192	14.1	24,385	26.2	9,947	10.7	14,438	15.5	50,175	53.8	39,653	42.5
1991	103,619	11.2	24,535	23.7	8,144	7.9	16,391	15.8	59,627	57.5	45,773	44.2
1992	116,010	12.0	23,618	20.4	6,315	5.4	17,303	14.9	71,740	61.8	52,311	45.1
1993	126,879	9.4	25,882	20.4	5,058	4.0	20,824	16.4	78,495	61.9	57,139	45.0
1994	137,234	8.2	26,680	19.4	3,507	2.6	23,173	16.9	86,343	62.9	62,680	45.7
1995	150,437	9.6	28,091	18.7	2,953	2.0	25,139	16.7	93,955	62.5	68,949	45.8
1996	165,212	9.8	32,200	19.5	2,561	1.6	29,639	17.9	99,898	60.5	73,264	44.3
1997	180,638	9.3	34,799	19.3	1,989	1.1	32,810	18.2	109,080	60.4	74,144	41.0
1998	165,932	-8.1	36,039	21.7	2,207	1.3	33,832	20.4	90,582	54.6	53,952	32.5
1999	181,363	9.3	38,155	21.0	2,425	1.3	35,731	19.7	97,270	53.6	59,007	32.5
2000	192,887	6.4	42,911	22.2	3,094	1.6	39,817	20.6	100,279	52.1	59,743	31.0
2001	198,409	2.9	45,711	23.0	3,678	1.8	42,033	21.2	100,385	50.7	59,049	29.8
2002	208,636	5.2	49,096	23.5	4,041	1.9	45,054	21.6	102,414	49.1	58,601	28.1
2003	215,067	3.1	51,116	23.8	4,560	2.1	46,556	21.6	102,379	47.6	57,605	26.8
2004	220,238	2.4	53,128	24.1	4,302	2.0	48,826	22.1	100,638	45.7	54,100	24.6
2005	228,622	3.8	54,788	24.0	4,768	2.1	50,020	21.9	101,526	44.4	53,416	23.4
2006	233,372	2.1	56,687	24.3	5,208	2.2	51,479	22.1	101,831	43.6	51,800	22.2
2007	236,454	-	59,654	25.2	5,586	2.4	54,068	22.9	105,494	44.6	50,738	21.5
2008	240,752	1.8	66,060	27.4	5,906	2.5	60,155	25.0	100,170	41.6	45,705	19.0
2009	243,311	1.1	68,604	28.2	5,812	2.4	62,792	25.8	102,336	42.1	45,607	18.7
2010	263,805	8.4	77,092	29.2	6,141	2.3	70,951	26.9	104,301	39.5	46,420	17.6
2011	275,688	4.5	83,640	30.4	6,898	2.5	76,741	27.8	105,146	38.1	44,296	16.1

주 : 2007년 이후는 개정열량 환산계수 적용

6 Primary Energy Consumption(toe)

Unit : Thousand toe

유 Petroleum				천연가스 LNG		수 력 Hydro		원자력 Nuclear		신재생에너지 Renewable Energy		
L P G		비에너지유										
	%	Non-Energy Use	%		%		%		%		%	
511	1.1	2,959	6.5	–	–	677	1.5	724	1.6	2,492	5.5	1981
750	1.6	2,913	6.4	–	–	501	1.1	944	2.1	2,417	5.3	1982
1,031	2.1	3,347	6.8	–	–	681	1.4	2,241	4.5	2,378	4.8	1983
1,262	2.4	3,703	6.9	–	–	600	1.1	2,948	5.5	2,492	4.7	1984
1,467	2.6	3,839	6.8	–	–	915	1.6	4,186	7.4	2,031	3.6	1985
1,799	2.9	4,292	7.0	71	0.1	1,005	1.6	7,078	11.5	1,480	2.4	1986
2,161	3.2	4,533	6.7	2,104	3.1	1,336	2.0	9,829	14.5	1,319	1.9	1987
2,629	3.5	4,892	6.5	2,718	3.6	892	1.2	10,025	13.3	1,164	1.5	1988
3,066	3.8	4,951	6.1	2,630	3.2	1,140	1.4	11,841	14.5	1,033	1.3	1989
3,601	3.9	6,921	7.4	3,023	3.2	1,590	1.7	13,222	14.2	797	0.9	1990
4,339	4.2	9,515	9.2	3,503	3.4	1,263	1.2	14,078	13.6	617	0.6	1991
5,441	4.7	13,988	12.1	4,581	3.9	1,216	1.0	14,133	12.2	723	0.6	1992
5,990	4.7	15,366	12.1	5,723	4.5	1,502	1.2	14,535	11.5	742	0.5	1993
6,398	4.7	17,264	12.6	7,618	5.6	1,025	0.7	14,663	10.7	906	0.7	1994
6,675	4.4	18,331	12.2	9,213	6.1	1,369	0.9	16,757	11.1	1,051	0.7	1995
6,874	4.2	19,760	12.0	12,172	7.4	1,301	0.8	18,481	11.2	1,161	0.7	1996
7,201	4.0	27,735	15.4	14,792	8.2	1,351	0.7	19,272	10.7	1,344	0.7	1997
6,877	4.2	29,753	17.9	13,838	8.4	1,525	0.9	22,422	13.5	1,526	0.9	1998
7,808	4.3	30,455	16.8	16,849	9.3	1,517	0.9	25,766	14.2	1,806	1.0	1999
8,644	4.5	31,893	16.5	18,924	9.8	1,402	0.7	27,241	14.1	2,130	1.1	2000
8,676	4.4	32,660	16.5	20,787	10.5	1,038	0.5	28,033	14.1	2,456	1.2	2001
9,398	4.5	34,415	16.5	23,099	11.1	1,327	0.6	29,776	14.3	2,925	1.4	2002
9,140	4.3	35,634	16.6	24,194	11.2	1,722	0.8	32,415	15.1	3,241	1.5	2003
9,153	4.1	37,385	17.0	28,351	12.9	1,465	0.7	32,679	14.8	3,977	1.8	2004
9,484	4.1	38,626	16.9	30,355	13.3	1,297	0.6	36,695	16.1	3,961	1.7	2005
9,689	4.2	40,342	17.3	32,004	13.7	1,305	0.6	37,187	15.9	4,358	1.9	2006
10,127	4.3	44,629	18.9	34,663	14.7	1,084	0.5	30,731	13.0	4,828	2.0	2007
10,647	4.4	43,819	18.2	35,671	14.8	1,196	0.5	32,456	13.5	5,198	2.2	2008
11,079	4.6	45,651	18.8	33,908	13.9	1,213	0.5	31,771	13.1	5,480	2.2	2009
10,925	4.1	46,956	17.8	43,008	16.3	1,392	0.5	31,948	12.1	6,064	2.3	2010
10,303	3.7	50,547	18.3	46,284	16.8	1,715	0.6	32,285	11.7	6,618	2.4	2011

Note : From 2007, based on the revised Calorific Value.

7 최종에너지 소비

	석 탄 Coal			석 Petroleum	
	계 Total	무 연 탄 Anthracite	유 연 탄 Bituminous	계 Total	에너지유 Energy Use Use
	1,000 ton			1,000 bbl	
1981	26,970	19,536	7,434	131,230	103,732
1982	27,042	18,539	8,503	128,898	99,607
1983	28,708	19,621	9,087	140,176	104,859
1984	31,411	22,008	9,403	152,559	112,363
1985	33,615	24,058	9,557	159,929	117,008
1986	35,230	25,303	9,927	179,142	129,645
1987	36,418	24,642	11,776	202,088	146,764
1988	37,920	24,225	13,695	231,911	169,312
1989	36,473	21,232	15,241	263,974	197,112
1990	35,699	19,546	16,153	323,981	237,771
1991	34,546	15,487	19,059	378,588	267,001
1992	31,547	11,652	19,895	455,529	300,618
1993	31,139	8,595	22,544	506,290	337,176
1994	28,092	5,357	22,735	554,923	368,254
1995	27,702	3,842	23,860	601,515	406,001
1996	28,815	2,856	25,959	644,746	435,419
1997	28,923	1,925	26,998	719,247	440,397
1998	27,759	2,180	25,579	642,761	347,509
1999	28,280	2,440	25,840	689,445	380,164
2000	30,370	3,346	27,024	698,709	369,026
2001	31,532	4,447	27,085	698,207	361,145
2002	33,251	5,129	28,121	722,304	363,256
2003	34,779	5,871	28,908	722,656	355,770
2004	34,248	5,782	28,466	719,281	339,146
2005	34,616	6,680	27,936	729,891	337,261
2006	35,272	7,473	27,799	734,599	325,797
2007	36,485	7,542	28,943	763,585	322,402
2008	39,477	8,255	31,192	740,940	302,686
2009	35,927	8,417	27,511	752,234	296,169
2010	43,516	9,265	34,252	767,386	304,600
2011	49,924	10,639	39,285	778,899	296,648

주 : ( )는 천톤 기준 천연가스 최종에너지 소비량임.

7 Final Energy Consumption

유		도시가스 Town Gas	전 력 Electricity	열에너지 Heat	신재생에너지 Renewable Energy	
LPG	비에너지유 Non-Energy Use					
1,000 bbl		mil.m^3	GWh	1,000 toe		
4,852	22,646	21	35,424	–	2,492	1981
7,080	22,210	25	37,880	–	2,417	1982
9,718	25,599	34	42,620	–	2,378	1983
11,996	28,199	47	47,051	–	2,492	1984
13,804	29,117	77	50,733	–	2,031	1985
16,938	32,559	120	56,310	–	1,480	1986
20,697	34,627	181	64,169	10	1,319	1987
25,208	37,392	308	74,317	63	1,164	1988
29,101	37,761	590	82,191	71	1,033	1989
33,307	52,904	963	94,384	75	797	1990
38,540	73,048	1,467	104,375	80	614	1991
47,432	107,479	2,114	115,244	143	723	1992
50,674	118,440	2,883	127,734	360	742	1993
53,298	133,371	3,864	146,540	460	906	1994
53,783	141,731	5,327	163,270	641	1,051	1995
56,664	152,662	6,607	182,470	811	1,161	1996
63,791	215,059	7,708	200,784	909	1,344	1997
63,818	231,433	8,024	193,470	862	1,526	1998
72,495	236,786	10,012	214,215	1,000	1,806	1999
81,488	248,196	11,963	239,535	1,119	2,130	2000
82,499	254,563	12,657	257,731	1,150	2,456	2001
89,739	269,309	13,873	278,451	1,223	2,925	2002
87,679	279,207	14,734	293,599	1,300	3,210	2003
87,482	292,653	15,420	312,096	1,343	3,928	2004
90,271	302,359	16,963	332,413	1,530	3,896	2005
92,617	316,185	17,504	348,720	1,425	4,092	2006
96,376	344,807	17,967	368,605	1,438	4,492	2007
99,679	338,575	18,734	385,070	1,512	4,747	2008
103,871	352,193	18,445	394,474	1,551	4,867	2009
100,279	362,507	19,982	434,160	1,718	5,346	2010
92,692	389,560	21,679 (616.1)	455,070	1,702	5,834	2011

Note : Figures in parenthesis refer to final energy consumption of LNG(unit:1,000 ton)

8 최종에너지 소비(열량)

단위 : 천 toe

	합 계 Total	증가율 Growth Rate (%)	석 탄 Coal						석			
			소 계		무 연 탄		유 연 탄		소 계		에너지유	
			Sub-Total	%	Anthracite	%	Bituminous	%	Sub-Total	%	Energy Use	%
1981	38,952	3.6	14,478	37.2	9,571	24.6	4,906	12.6	18,912	48.6	15,471	39.7
1982	38,711	-0.6	14,548	37.6	8,937	23.1	5,612	14.5	18,460	47.7	14,835	38.3
1983	41,337	6.8	15,336	37.1	9,338	22.6	5,997	14.5	19,921	48.2	15,589	37.7
1984	44,998	8.9	16,806	37.5	10,600	23.6	6,206	13.8	21,602	48.2	16,690	37.2
1985	46,998	4.4	17,940	38.2	11,632	24.7	6,308	13.4	22,580	48.0	17,360	36.9
1986	50,524	7.5	18,887	37.4	12,336	24.4	6,552	13.0	25,181	49.8	19,211	38.0
1987	55,197	9.2	19,778	35.8	12,006	21.8	7,772	14.1	28,372	51.4	21,767	39.4
1988	61,033	10.6	20,565	33.7	11,527	18.9	9,039	14.8	32,511	53.3	25,083	41.1
1989	65,875	7.9	20,116	30.5	10,057	15.3	10,059	15.3	36,967	56.1	29,106	44.2
1990	75,107	14.0	19,855	26.4	9,194	12.2	10,661	14.2	45,252	60.3	34,991	46.6
1991	83,803	11.6	19,915	23.8	7,336	8.8	12,579	15.0	52,675	62.9	39,266	46.9
1992	94,623	12.9	18,688	19.7	5,558	5.9	13,131	13.9	62,939	66.5	44,139	46.6
1993	104,048	10.0	19,058	18.3	4,179	4.0	14,879	14.3	69,876	67.2	49,369	47.4
1994	112,206	7.8	17,670	15.7	2,665	2.4	15,005	13.4	76,511	68.2	53,833	48.0
1995	121,962	8.7	17,758	14.6	2,011	1.6	15,748	12.9	82,876	68.0	59,100	48.5
1996	132,033	8.3	18,718	14.2	1,585	1.2	17,133	13.0	88,714	67.2	63,221	47.9
1997	144,432	9.4	18,918	13.1	1,099	0.8	17,819	12.3	97,901	67.8	63,724	44.1
1998	132,128	-8.5	18,151	13.7	1,269	0.9	16,882	12.8	86,526	65.5	50,300	38.1
1999	143,060	8.3	18,498	12.9	1,444	1.0	17,054	11.9	92,821	64.9	54,995	38.4
2000	149,852	4.7	19,847	13.2	2,011	1.3	17,836	11.9	93,596	62.5	53,369	35.6
2001	152,950	2.1	20,532	13.4	2,656	1.7	17,876	11.7	93,357	61.0	52,203	34.1
2002	160,451	4.9	21,629	13.5	3,069	1.9	18,560	11.6	96,159	59.9	52,509	32.7
2003	163,995	2.2	22,610	13.8	3,530	2.2	19,080	11.6	96,155	58.6	51,471	31.4
2004	166,009	1.2	22,194	13.4	3,406	2.1	18,788	11.3	95,513	57.5	49,067	29.6
2005	170,854	2.9	22,311	13.1	3,874	2.3	18,438	10.8	96,718	56.6	48,744	28.5
2006	173,584	1.6	22,660	13.1	4,313	2.5	18,347	10.6	97,037	55.9	47,088	27.1
2007	181,455	-	24,249	13.4	4,583	2.5	19,666	10.8	100,622	55.5	45,946	25.3
2008	182,576	0.6	26,219	14.4	4,994	2.7	21,225	11.6	97,217	53.2	42,971	23.5
2009	182,066	-0.3	23,895	13.1	5,180	2.8	18,715	10.3	98,369	54.0	41,893	23.0
2010	195,587	7.4	29,164	14.9	5,751	2.9	23,413	12.0	100,381	51.3	43,002	22.0
2011	205,864	5.3	33,544	16.3	6,646	3.2	26,898	13.1	101,976	49.5	41,799	20.3

주 : 2007년 이후는 개정열량 환산계수 적용

8 Final Energy Consumption(toe)

Unit : Thousand toe

유 Petroleum				천연 · 도시가스 LNG &Town Gas		전 력 Electricity		열에너지 Heat		신재생에너지 Renewable Energy		
L P G		비에너지유										
	%	Non-Energy Use	%		%		%		%		%	
500	1.3	2,942	7.6	23	0.1	3,046	7.8	–	–	2,492	6.4	1981
735	1.9	2,890	7.5	28	0.1	3,258	8.4	–	–	2,417	6.2	1982
1,010	2.4	3,322	8.0	37	0.1	3,665	8.9	–	–	2,378	5.8	1983
1,242	2.8	3,670	8.2	52	0.1	4,046	9.0	–	–	2,492	5.2	1984
1,424	3.0	3,795	8.1	84	0.2	4,363	9.3	–	–	2,031	4.3	1985
1,736	3.4	4,235	8.4	132	0.3	4,843	9.6	–	–	1,480	2.9	1986
2,110	3.8	4,495	8.1	199	0.4	5,519	10.0	10	–	1,319	2.4	1987
2,561	4.2	4,866	8.0	339	0.6	6,391	10.5	63	0.1	1,164	1.9	1988
2,947	4.5	4,914	7.5	619	0.9	7,069	10.7	71	0.1	1,033	1.6	1989
3,368	4.5	6,893	9.2	1,011	1.3	8,117	10.8	75	0.1	797	1.1	1990
3,894	4.6	9,515	11.4	1,540	1.8	8,976	10.7	80	0.1	614	0.7	1991
4,812	5.1	13,988	14.8	2,219	2.3	9,911	10.5	143	0.1	723	0.8	1992
5,141	4.9	15,366	14.8	3,027	2.9	10,985	10.6	360	0.3	742	0.8	1993
5,414	4.8	17,264	15.4	4,057	3.6	12,602	11.2	460	0.4	906	0.8	1994
5,445	4.5	18,331	15.0	5,594	4.6	14,041	11.5	641	0.5	1,051	0.9	1995
5,733	4.4	19,760	15.0	6,937	5.3	15,692	11.9	811	0.6	1,161	0.9	1996
6,442	4.5	27,735	19.2	8,093	5.6	17,267	12.0	909	0.6	1,344	0.9	1997
6,472	4.9	29,753	22.5	8,425	6.4	16,638	12.6	862	0.7	1,526	1.1	1998
7,371	5.2	30,455	21.3	10,513	7.3	18,422	12.9	1,000	0.7	1,806	1.3	1999
8,333	5.6	31,893	21.3	12,561	8.4	20,600	13.7	1,119	0.8	2,130	1.4	2000
8,493	5.6	32,660	21.3	13,290	8.7	22,165	14.5	1,150	0.8	2,456	1.6	2001
9,235	5.8	34,415	21.4	14,567	9.1	23,947	14.9	1,223	0.8	2,925	1.8	2002
9,050	5.5	35,634	21.7	15,470	9.4	25,250	15.4	1,300	0.8	3,250	2.0	2003
9,061	5.4	37,385	22.5	16,191	9.8	26,840	16.2	1,344	0.7	3,928	2.4	2004
9,348	5.5	38,626	22.6	17,811	10.4	28,588	16.7	1,530	0.8	3,896	2.4	2005
9,608	5.5	40,342	23.2	18,379	10.6	29,990	17.3	1,425	0.8	4,092	2.4	2006
10,053	5.5	44,623	24.6	18,955	10.4	31,700	17.5	1,438	0.7	4,492	2.5	2007
10,432	5.7	43,814	24.0	19,765	10.8	33,116	18.1	1,512	0.8	4,747	2.6	2008
10,840	6.0	45,636	25.1	19,459	10.7	33,925	18.6	1,551	0.9	4,867	2.7	2009
10,448	5.3	46,931	24.0	21,640	11.1	37,338	19.1	1,718	0.9	5,346	2.7	2010
9,670	4.7	50,507	24.5	23,672	11.5	39,136	19.0	1,702	0.8	5,834	2.8	2011

Note : From 2007, based on the revised Calorific Value.

9 부문별 최종에너지 소비

단위 : 천 toe

	1997	1998	1999	2000	2001	2002	2003
산업부문	77,908	76,039	79,858	83,912	85,158	89,197	90,805
석유제품	47,141	46,133	47,521	48,193	47,848	49,499	49,304
무연탄	320	566	791	1,293	1,929	2,372	2,808
유연탄	17,819	16,882	17,054	17,836	17,876	18,560	19,080
전력	10,009	9,359	10,394	11,374	11,678	12,423	12,933
천연·도시가스	1,496	1,812	2,530	3,308	3,612	3,984	4,177
기타	1,123	1,287	1,568	1,908	2,215	2,359	2,503
가정·상업부문	33,071	27,418	31,929	32,370	32,893	34,299	34,965
석유제품	18,719	13,130	15,554	13,492	12,474	11,955	11,156
무연탄	779	703	653	718	727	697	722
전력	6,090	6,122	6,793	7,891	9,005	9,859	10,585
도시가스	6,436	6,454	7,784	9,024	9,412	10,241	10,889
열에너지	892	848	982	1,097	1,125	1,196	1,269
기타	154	162	163	148	151	215	344
수송부문	30,738	26,184	28,625	30,945	31,909	33,763	34,632
석유제품	30,587	26,048	28,476	30,770	31,708	33,488	34,286
도시가스	–	–	–	–	7	80	146
전력	151	136	149	175	194	195	200
기타	–	–	–	–	–	–	–
공공부문	2,715	2,487	2,648	2,625	2,989	3,191	3,593
석유제품	1,453	1,215	1,270	1,140	1,327	1,217	1,408
무연탄	–	–	–	–	–	–	–
전력	1,017	1,022	1,086	1,160	1,288	1,470	1,531
도시가스	161	160	199	229	259	262	259
열에너지	17	13	18	22	25	27	32
기타	67	77	75	74	90	215	364
최종에너지소비계	**144,432**	**132,128**	**143,060**	**149,852**	**152,950**	**160,451**	**163,995**

주 : 2007년 이후는 개정열량 환산계수 적용

9 Final Energy Consumption by Sector

Unit : Thousand toe

2004	2005	2006	2007	2008	2009	2010	2011	
92,992	94,366	97,235	104,327	106,458	106,119	116,910	126,886	Industry
50,236	50,905	52,474	56,150	54,745	56,391	57,351	59,635	Petroleum
2,632	2,800	3,087	3,569	3,906	4,240	4,851	5,775	Anthracite
18,788	18,438	18,347	19,667	21,225	18,715	23,413	26,898	Bituminous
13,617	14,346	15,021	16,018	16,738	17,006	19,193	20,830	Electricity
4,382	4,655	4,847	5,225	5,933	5,891	7,888	9,185	LNG & Town Gas
3,337	3,222	3,459	3,699	3,912	3,876	4,215	4,564	Other
34,807	36,861	35,986	35,916	36,225	35,722	37,256	37,542	Residential & Commercial
9,773	9,437	7,513	7,050	6,654	6,187	6,450	5,929	Petroleum
775	1,074	1,102	1,014	1,088	940	901	871	Anthracite
11,352	12,233	12,883	13,513	14,143	14,593	15,636	15,758	Electricity
11,293	12,503	12,858	12,831	12,763	12,332	12,489	13,201	Town Gas
1,312	1,491	1,391	1,401	1,476	1,509	1,675	1,661	Heat
302	123	115	108	101	162	105	122	Other
34,615	35,559	36,527	37,068	35,793	35,930	36,938	36,875	Transportation
34,160	34,983	35,780	36,149	34,642	34,529	35,282	35,172	Petroleum
237	339	475	615	777	960	1,112	1,174	Town Gas
213	224	218	209	196	187	188	193	Electricity
5	13	54	95	178	254	357	336	Other
3,595	4,068	3,836	4,144	4,100	4,295	4,483	4,560	Public
1,344	1,393	1,270	1,274	1,175	1,263	1,299	1,240	Petroleum
–	–	–	–	–	–	–	–	Anthracite
1,658	1,785	1,868	1,960	2,039	2,138	2,321	2,355	Electricity
279	313	200	284	292	277	152	112	Town Gas
31	39	34	37	36	42	42	41	Heat
283	538	464	588	557	575	669	811	Other
166,009	**170,854**	**173,584**	**181,455**	**182,576**	**182,066**	**195,587**	**205,864**	**Total**

Note : From 2007, based on the revised Calorific Value.

10 산업별 에너지 투입액(2010)

단위 : 백만원

	에너지투입액 Amount of Energy Input					
	(A)	에너지투입액 비율(A/B) Ratio of Energy Input (%)	석탄제품 Coal Product	나 프 타 Naphtha	연 료 유 Energy Oil	기타 석유제품 Other Petroleum
농림어업	2,227,267	4.21	89,930	–	1,716,810	53,507
광 업	341,045	9.34	–	–	264,672	5,670
제 조 업	79,746,050	5.08	6,370,832	31,288,415	13,106,437	7,184,558
1. 음식담배	1,401,220	1.48	–	–	697,707	19,872
2. 섬유의복	1,845,940	3.62	–	–	589,290	53,302
3. 목재종이	1,419,633	5.09	–	–	483,166	22,951
4. 인쇄복제	177,188	2.11	–	–	81,965	8,569
5. 석유석탄제품	8,924,696	6.55	74,822	803,333	2,928,514	3,303,497
6. 화학제품	37,533,787	16.78	250,311	30,485,082	1,845,034	1,439,678
7. 비금속	3,475,374	10.15	160,295	–	1,490,671	901,620
8. 1차금속	11,745,948	6.54	5,842,897	–	1,058,203	155,604
9. 비철금속	1,918,485	4.88	35,913	–	307,626	107,463
10. 금속제품	2,281,611	3.11	–	–	990,461	220,779
11. 일반기계	1,717,857	1.51	2,294	–	715,613	294,811
12. 전기전자기기	4,398,047	1.29	–	–	796,052	294,405
13. 정밀기기	193,964	1.09	–	–	59,641	8,971
14. 수송장비	2,418,880	1.15	4,300	–	891,489	343,196
15. 가구/기타	293,420	1.62	–	–	171,005	9,840
전기, 가스 및 수도	16,205,309	21.04	1,320,030	–	2,833,524	18,163
건 설 업	4,752,635	2.52	–	–	3,963,554	305,568
도 소 매	7,706,012	4.82	156	–	4,451,608	101,673
음식/숙박	4,322,882	5.39	42,719	–	2,106,200	20,024
운수/보관	25,142,141	21.57	1,266	–	23,488,833	556,137
통신/방송	1,307,795	2.20	–	–	325,969	19,735
금융/보험	1,529,332	1.15	–	–	548,383	8,124
부동산/사업서비스	6,951,329	2.52	–	–	1,933,009	33,381
공공행정/국방	2,110,221	2.21	235	–	1,031,421	7,810
교육/보건	7,410,936	4.16	7,941	–	3,148,627	41,493
사회/기타서비스	3,525,657	4.44	831	–	1,289,289	358,392
기 타	232,855	0.42	521	2,870	74,681	17,685

자료 : 한국은행

10 Amount of Energy Input by Industry(2010)

Unit : Million Won

전 력 Electricity	도시가스 Town Gas	증기 및 온수공급업 Steam& Air Conditioning supply	총중간투입액 Inter-mediate Input	부가가치 Value added	총생산액 Gross Input (B)	
356,854	9,987	179	25,045,407	27,839,697	52,885,104	Agri., Forestry & Fishing
70,598	105	–	1,435,914	2,216,763	3,652,677	Mining & Quarrying
16,082,987	4,080,403	1,632,418	1,216,457,253	353,325,501	1,569,782,754	Manufacturing
534,803	116,952	31,886	70,444,408	24,127,907	94,572,315	1. food, beverage & tobacco
986,336	131,328	85,684	35,911,746	15,049,259	50,961,005	2. textiles, apparel & leather
768,071	22,580	122,865	20,685,467	7,224,244	27,909,711	3. wood & paper products
66,304	20,350	–	5,148,521	3,243,150	8,391,671	4. printing & reproduction
1,137,237	1,303	675,990	108,107,271	28,137,851	136,245,122	5. coal & petroleum products
2,436,170	434,948	642,564	178,800,590	44,939,500	223,740,090	6. petro. chemical products
632,864	289,924	–	23,798,744	10,437,945	34,236,689	7. non-metallic mineral
3,861,018	828,226	–	149,418,230	30,212,092	179,630,322	8. basic metals
1,053,385	414,098	–	34,019,984	5,267,640	39,287,624	9. non-ferrous metals
708,973	361,398	–	52,167,948	21,286,426	73,454,374	10. metal produtcs
508,241	193,412	3,486	84,839,863	29,056,733	113,896,596	11. machinery & equipment
2,270,438	967,209	69,943	267,112,051	73,281,901	340,393,952	12. electric. & electronic
77,448	47,904	–	13,094,674	4,658,371	17,753,045	13. medi., optical & precision
943,722	236,173	–	159,779,327	51,392,413	211,171,740	14. transport equipment
97,977	14,598	–	13,128,429	5,010,069	18,138,498	15. furniture & other
999,999	10,598,435	435,158	53,891,737	23,131,075	77,022,812	Electricity, Gas & Water supply
328,734	143,966	10,813	113,014,655	75,321,081	188,335,736	Construction
3,006,332	107,580	38,663	70,097,110	89,790,434	159,887,544	Wholesale & Retail
1,016,268	1,133,150	4,521	49,439,707	30,809,810	80,249,517	Accommodation & food service
601,605	491,063	3,237	74,441,124	42,112,630	116,553,754	Transportation & Storage
898,279	63,449	363	33,083,925	26,298,657	59,382,582	Information & Communication
849,806	111,165	11,854	57,041,241	75,946,875	132,988,116	Financial & Insurance
4,167,698	814,159	3,082	90,855,486	184,479,166	275,334,652	Real estate & business support
920,113	146,520	4,122	31,144,455	64,137,525	95,281,980	Public admin. & defence
2,982,782	1,086,343	143,750	60,760,647	117,482,695	178,243,342	Education & Human health
1,029,421	818,009	29,715	39,741,007	39,688,881	79,429,888	Other Service Activities
109,591	21,263	6,244	55,006,922	–	55,006,922	Other

Source : Bank of Korea

11 에너지 밸런스(1990)

	석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total
	1,000 ton	1,000 bbl	1,000 ton	mil. ㎥	GWh			1,000 toe		
국 내 생 산	17,217	–	–	–	6,361	52,887	–	–	2,845	23,356
수 입	23,969	405,743	2,291	–	–	–	–	–	–	76,072
(석 유 생 산)	–	304,496	–	–	–	–	–	–	–	43,942
(석 유 수 입)	–	101,248	–	–	–	–	–	–	–	13,403
수 출	–	–27,184	–	–	–	–	–	–	–	–3,997
국 제 벙 커 링	–	–15,115	–	–	–	–	–	–	–	–2,280
재 고 증 감	2,035	–5,126	38	–	–	–	–	–	–	365
연 초 재 고	10,048	14,450	84	–	–	–	–	–	–	6,939
연 말 재 고	–8,013	–19,576	–46	–	–	–	–	–	–	–6,574
통 계 오 차	184	–1,970	–	–	–	–	–	–	–	–324
1 차 에 너 지 소 비	43,405	356,348	2,329	–	6,361	52,887	–	–	2,845	93,192
에 너 지 전 환	–7,706	–32,367	–2,329	963	–6,361	–52,887	94,384	75	–	–18,085
발 전	–7,706	–29,721	–1,741	–	–6,361	–52,887	107,670	79	–	–16,922
지 역 난 방	–	–	–	–	–	–	–	–	–	–
가 스 제 조	–	–2,646	–576	968	–	–	–	–	–	5
자가소비 및 손실	–	–	–12	–5	–	–	–13,286	–4	–	–1,168
최 종 에 너 지 소 비	35,699	323,981	–	963	–	–	94,384	75	2,845	75,107
산 업 부 문	16,436	139,263	–	223	–	–	59,249	–	–	36,150
농 림 어 업	–	11,603	–	–	–	–	1,458	–	–	1,813
광 업	–	787	–	–	–	–	1,011	–	–	205
제 조 업	16,436	118,082	–	–	–	–	56,780	–	–	32,542
음 식. 담 배	22	6,895	–	–	–	–	3,540	–	–	1,383
섬 유. 의 복	93	10,291	–	–	–	–	9,505	–	–	2,491
목 재. 나 무	–	461	–	–	–	–	623	–	–	126
펄 프. 인 쇄	88	5,395	–	–	–	–	3,877	–	–	1,238
석 유. 화 학	172	65,975	–	–	–	–	10,922	–	–	9,953
비 금 속	4,119	8,150	–	–	–	–	5,633	–	–	4,420
1 차 금 속	11,805	6,174	–	–	–	–	10,064	–	–	9,595
비 철 금 속	–	1,306	–	–	–	–	–	–	–	187
조 립 금 속	–	5,845	–	–	–	–	12,091	–	–	1,906
기 타 제 조	137	7,449	–	–	–	–	525	–	–	1,221
기타에너지	–	140	–	–	–	–	–	–	–	21
건 설 업	–	8,791	–	–	–	–	–	–	–	1,356
수 송 부 문	–	101,145	–	–	–	–	1,012	–	–	14,173
철 도 운 수	–	2,082	–	–	–	–	1,012	–	–	391
육 상 운 수	–	81,709	–	–	–	–	–	–	–	11,205
수 상 운 수	–	10,833	–	–	–	–	–	–	–	1,669
항 공 운 수	–	6,521	–	–	–	–	–	–	–	908
가 정 부 문	19,217	40,613	–	433	–	–	17,735	69	2,609	16,766
상 업 부 문	–	26,897	–	307	–	–	10,412	6	236	5,205
공 공 부 문	46	16,064	–	–	–	–	5,976	1	–	2,812

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

11 Energy Balance(1990)

석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total	
1,000 toe										
7,748	–	–	–	1,590	13,222	–	–	797	23,356	Domestic Production
15,752	57,345	2,974	–	–	–	–	–	–	76,072	Imports
–	43,942	–	–	–	–	–	–	–	43,942	(Petroleum Products)
–	13,403	–	–	–	–	–	–	–	13,403	(Petroleum Imports)
–	–3,997	–	–	–	–	–	–	–	–3,997	Exports
–	–2,280	–	–	–	–	–	–	–	–2,280	Int'l Bunkers
948	–633	49	–	–	–	–	–	–	365	Stock Change(+/–)
4,779	2,051	109	–	–	–	–	–	–	6,939	Former Stock
–3,831	–2,683	–60	–	–	–	–	–	–	–6,574	Ending Stock
–63	–261	–	–	–	–	–	–	–	–324	Statistical Difference
24,385	50,175	3,023	–	1,590	13,222	–	–	797	93,192	Primary Consumption
–4,531	–4,923	–3,023	1,011	–1,590	–13,222	8,117	75	–	–18,085	Transformation
–4,531	–4,658	–2,260	–	–1,590	–13,222	9,260	79	–	–16,922	Electric Generation
–	–	–	–	–	–	–	–	–	–	District Heating
–	–265	–747	1,017	–	–	–	–	–	5	Gas Manufacturing
–	–	–16	–5	–	–	–1,143	–4	–	–1,168	Own Use & Loss
19,855	45,252	–	1,011	–	–	8,117	75	797	75,107	Final Consumption
10,806	20,014	–	235	–	–	5,095	–	–	36,150	Industry
–	1,687	–	–	–	–	125	–	–	1,813	Agri. Fishery
–	119	–	–	–	–	87	–	–	205	Mining
10,806	16,852	–	–	–	–	4,883	–	–	32,542	Manufacturing
15	1,064	–	–	–	–	304	–	–	1,383	Food Tobacco
61	1,612	–	–	–	–	817	–	–	2,491	Textile & Apparel
–	72	–	–	–	–	54	–	–	126	Wood & Wood Pro.
58	847	–	–	–	–	333	–	–	1,238	Pulp & Publications
114	8,900	–	–	–	–	939	–	–	9,953	Petro. Chemical
2,701	1,234	–	–	–	–	484	–	–	4,420	Non–Metallic
7,777	952	–	–	–	–	866	–	–	9,595	Iron & Steel
–	187	–	–	–	–	–	–	–	187	Non–ferrous
–	866	–	–	–	–	1,040	–	–	1,906	Fabricated Metal
80	1,096	–	–	–	–	45	–	–	1,221	Other Manufacturing
–	21	–	–	–	–	–	–	–	21	Other Energy
–	1,356	–	–	–	–	–	–	–	1,356	Construction
–	14,086	–	–	–	–	87	–	–	14,173	Transportation
–	305	–	–	–	–	87	–	–	391	Rail
–	11,205	–	–	–	–	–	–	–	11,205	Land
–	1,669	–	–	–	–	–	–	–	1,669	Water
–	908	–	–	–	–	–	–	–	908	Air
9,027	4,960	–	455	–	–	1,525	69	731	16,766	Residential
–	3,916	–	322	–	–	895	6	66	5,205	Commercial
21	2,276	–	–	–	–	514	1	–	2,812	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

11 1991년

	석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total
	1,000 ton	1,000 bbl	1,000 ton	mil. ㎥	GWh			1,000 toe		
국 내 생 산	15,058	–	–	–	5,051	56,311	–	–	2,205	22,734
수 입	29,411	518,257	2,758	–	–	–	–	–	–	96,596
(석 유 생 산)	–	408,215	–	–	–	–	–	–	–	59,202
(석 유 수 입)	–	110,041	–	–	–	–	–	–	–	14,487
수 출	–	–69,744	–	–	–	–	–	–	–	–10,418
국 제 벙 커 링	–	–20,714	–	–	–	–	–	–	–	–3,149
재 고 증 감	–259	–681	–64	–	–	–	–	–	–	–356
연 초 재 고	8,013	19,576	46	–	–	–	–	–	–	28
연 말 재 고	–8,272	–20,257	–110	–	–	–	–	–	–	1,649
통 계 오 차	–1,818	–2,452	–	–	–	–	–	–3	–	–1,788
1 차 에 너 지 소 비	42,392	424,667	2,694	–	5,051	56,311	–	–3	2,205	103,619
에 너 지 전 환	–7,846	–46,079	–2,694	1,467	–5,051	–56,311	104,375	83	–	–19,812
발 전	–7,846	–41,424	–1,800	–	–5,051	–56,311	118,619	80	–	–18,517
지 역 난 방	–	–28	–	–	–	–	–	–	–	–4
가 스 제 조	–	–4,626	–879	1,450	–	–	–	3	–	–68
자가소비 및 손실	–	–	–15	17	–	–	–14,244	–	–	–1,227
최 종 에 너 지 소 비	34,546	378,588	–	1,467	–	–	104,375	80	2,205	83,803
산 업 부 문	19,362	170,654	–	298	–	–	65,184	–	–	42,914
농 림 어 업	–	12,716	–	–	–	–	1,778	–	–	2,002
광 업	–	809	–	–	–	–	1,005	–	–	208
제 조 업	19,362	146,508	–	298	–	–	62,401	–	–	39,055
음식. 담배	15	7,016	–	14	–	–	3,785	–	–	1,434
섬유. 의복	46	10,011	–	16	–	–	9,906	–	–	2,466
목재. 나무	46	504	–	–	–	–	687	–	–	169
펄프. 인쇄	–	5,959	–	3	–	–	4,231	–	–	1,302
석유. 화학	220	89,200	–	16	–	–	12,828	–	–	13,205
비 금 속	4,833	9,011	–	47	–	–	6,544	–	–	5,141
1 차 금 속	13,998	6,833	–	81	–	–	10,440	–	–	11,266
비 철 금 속	5	1,323	–	–	–	–	–	–	–	191
조 립 금 속	–	6,649	–	108	–	–	13,391	–	–	2,249
기 타 제 조	199	9,819	–	12	–	–	589	–	–	1,604
기타에너지	–	182	–	–	–	–	–	–	–	28
건 설 업	–	10,621	–	–	–	–	–	–	–	1,649
수 송 부 문	–	115,144	–	–	–	–	1,091	–	–	16,156
철 도 운 수	–	2,118	–	–	–	–	1,091	–	–	404
육 상 운 수	–	93,561	–	–	–	–	–	–	–	12,855
수 상 운 수	–	12,604	–	–	–	–	–	–	–	1,947
항 공 운 수	–	6,861	–	–	–	–	–	–	–	950
가 정 부 문	15,184	49,219	–	771	–	–	19,482	72	1,920	16,345
상 업 부 문	–	28,100	–	333	–	–	12,288	7	285	5,574
공 공 부 문	–	15,473	–	64	–	–	6,330	1	–	2,813

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

11 1991년

석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total	
1,000 toe										
6,776	–	–	–	1,263	14,078	–	–	617	22,734	Domestic Production
19,321	73,689	3,586	–	–	–	–	–	–	96,596	Imports
–	59,202	–	–	–	–	–	–	–	59,202	(Petroleum Products)
–	14,487	–	–	–	–	–	–	–	14,487	(Petroleum Imports)
–	–10,418	–	–	–	–	–	–	–	–10,418	Exports
–	–3,149	–	–	–	–	–	–	–	–3,149	Int'l Bunkers
–104	–170	–83	–	–	–	–	–	–	–356	Stock Change(+/–)
3,831	2,683	60	–	–	–	–	–	–	6,574	Former Stock
–3,934	–2,853	–143	–	–	–	–	–	–	–6,930	Ending Stock
–1,459	–326	–	–	–	–	–	–3	–	–1,788	Statistical Difference
24,535	59,627	3,503	–	1,263	14,078	–	–3	617	103,619	Primary Consumption
–4,620	–6,948	–3,503	1,540	–1,263	–14,078	8,976	83	–	–19,812	Transformation
–4,620	–6,498	–2,340	–	–1,263	–14,078	10,201	80	–	–18,517	Electric Generation
–	–4	–	–	–	–	–	–	–	–4	District Heating
–	–450	–1,143	1,522	–	–	–	3	–	–68	Gas Manufacturing
–	–	–20	18	–	–	–1,225	–	–	–1,227	Own Use & Loss
									–	
19,915	52,675	–	1,540	–	–	8,976	80	617	83,803	Final Consumption
12,745	24,251	–	313	–	–	5,606	–	–	42,914	Industry
–	1,849	–	–	–	–	153	–	–	2,002	Agri. Fishery
–	121	–	–	–	–	86	–	–	208	Mining
12,745	20,631	–	313	–	–	5,366	–	–	39,055	Manufacturing
10	1,084	–	14	–	–	326	–	–	1,434	Food Tobacco
30	1,567	–	17	–	–	852	–	–	2,466	Textile & Apparel
30	79	–	–	–	–	59	–	–	169	Wood & Wood Pro.
–	935	–	3	–	–	364	–	–	1,302	Pulp & Publications
145	11,940	–	17	–	–	1,103	–	–	13,205	Petro. Chemical
3,178	1,350	–	50	–	–	563	–	–	5,141	Non-Metallic
9,229	1,053	–	86	–	–	898	–	–	11,266	Iron & Steel
3	187	–	–	–	–	–	–	–	191	Non-ferrous
–	984	–	114	–	–	1,152	–	–	1,604	Fabricated Metal
118	1,423	–	13	–	–	51	–	–	1,652	Other Manufacturing
–	28	–	–	–	–	–	–	–	28	Other Energy
–	1,649	–	–	–	–	–	–	–	1,649	Construction
–	16,062	–	–	–	–	94	–	–	16,156	Transportation
–	310	–	–	–	–	94	–	–	404	Rail
–	12,855	–	–	–	–	–	–	–	12,855	Land
–	1,947	–	–	–	–	–	–	–	1,947	Water
–	950	–	–	–	–	–	–	–	950	Air
7,170	6,081	–	810	–	–	1,675	72	538	16,345	Residential
–	4,080	–	350	–	–	1,057	7	80	5,574	Commercial
–	2,201	–	68	–	–	544	1	–	2,813	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

11 1992년

	석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total
	1,000 ton	1,000 bbl	1,000 ton	mil. ㎥	GWh			1,000 toe		
국 내 생 산	11,970	–	–	–	4,863	56,530	–	–	723	21,457
수 입	30,106	641,571	3,425	–	–	–	–	–	–	115,001
(석 유 생 산)	–	504,560	–	–	–	–	–	–	–	73,147
(석 유 수 입)	–	137,011	–	–	–	–	–	–	–	17,585
수 출	–	–91,653	–	–	–	–	–	–	–	–13,769
국 제 벙 커 링	–	–26,099	–	–	–	–	–	–	–	–3,976
재 고 증 감	547	–5,445	43	–	–	–	–	–	–	–345
연 초 재 고	8,272	25,385	110	–	–	–	–	–	–	37
연 말 재 고	–7,725	–30,829	–67	–	–	–	–	–	–	2,047
통 계 오 차	–2,809	–4,151	55	–	–	–	–	–	–	–2,358
1 차 에 너 지 소 비	39,814	514,224	3,524	–	4,863	56,530	–	–	723	116,010
에 너 지 전 환	–8,267	–58,695	–3,524	2,114	–4,863	–56,530	115,244	143	–	–21,387
발 전	–8,267	–51,828	–2,225	–	–4,863	–56,530	130,963	122	–	–19,898
지 역 난 방	–	–317	–	–	–	–	–	42	–	–8
가 스 제 조	–	–6,550	–1,256	2,139	–	–	–	–	–	–25
자가소비 및 손실	–	–	–43	–25	–	–	–15,719	–20	–	–1,455
최 종 에 너 지 소 비	31,547	455,529	–	2,114	–	–	115,244	143	723	94,623
산 업 부 문	20,338	218,372	–	359	–	–	70,505	–	482	50,825
농 림 어 업	–	14,471	–	–	–	–	2,157	–	–	2,286
광 업	–	753	–	–	–	–	923	–	–	193
제 조 업	20,338	190,080	–	359	–	–	67,427	–	482	46,300
음식. 담배	38	7,555	–	15	–	–	4,036	–	–	1,557
섬유. 의복	83	9,219	–	19	–	–	10,410	–	–	2,413
목재. 나무	–	494	–	–	–	–	754	–	–	142
펄프. 인쇄	22	6,833	–	4	–	–	4,662	–	–	1,493
석유. 화학	209	129,055	–	24	–	–	14,470	–	–	18,367
비 금 속	5,181	10,187	–	57	–	–	7,160	–	–	5,617
1 차 금 속	14,561	8,409	–	98	–	–	10,767	–	–	11,927
비 철 금 속	7	941	–	–	–	–	–	–	–	142
조 립 금 속	–	7,072	–	123	–	–	14,442	–	–	2,419
기 타 제 조	237	10,067	–	19	–	–	726	–	482	2,184
기타에너지	–	248	–	–	–	–	–	–	–	37
건 설 업	–	13,067	–	–	–	–	–	–	–	2,047
수 송 부 문	–	132,198	–	–	–	–	1,175	–	–	18,531
철 도 운 수	–	2,155	–	–	–	–	1,175	–	–	417
육 상 운 수	–	106,719	–	–	–	–	–	–	–	14,644
수 상 운 수	–	14,785	–	–	–	–	–	–	–	2,288
항 공 운 수	–	8,539	–	–	–	–	–	–	–	1,182
가 정 부 문	11,189	60,682	–	1,251	–	–	21,796	135	210	16,428
상 업 부 문	–	33,238	–	425	–	–	15,114	7	29	6,580
공 공 부 문	20	11,040	–	78	–	–	6,654	1	1	2,259

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

11 1992년

석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total	
1,000 toe										
5,387	–	–	–	1,216	14,133	–	–	723	21,457	Domestic Production
19,816	90,732	4,453	–	–	–	–	–	–	115,001	Imports
–	73,147	–	–	–	–	–	–	–	73,147	(Petroleum Products)
–	17,585	–	–	–	–	–	–	–	17,585	(Petroleum Imports)
–	–13,769	–	–	–	–	–	–	–	–13,769	Exports
–	–3,976	–	–	–	–	–	–	–	–3,976	Int'l Bunkers
305	–706	56	–	–	–	–	–	–	–345	Stock Change(+/–)
3,934	3,618	143	–	–	–	–	–	–	7,695	Former Stock
–3,629	–4,324	–87	–	–	–	–	–	–	–8,040	Ending Stock
–1,890	–541	72	–	–	–	–	–	–	–2,358	Statistical Difference
23,618	71,740	4,581	–	1,216	14,133	–	–	723	116,010	Primary Consumption
–4,930	–8,800	–4,581	2,219	–1,216	–14,133	9,911	143	–	–21,387	Transformation
–4,930	–8,113	–2,892	–	–1,216	–14,133	11,263	122	–	–19,898	Electric Generation
–	–50	–	–	–	–	–	42	–	–8	District Heating
–	–638	–1,633	2,246	–	–	–	–	–	–25	Gas Manufacturing
–	–	–56	–27	–	–	–1,352	–20	–	–1,455	Own Use & Loss
18,688	62,939	–	2,219	–	–	9,911	143	723	94,623	Final Consumption
13,388	30,514	–	377	–	–	6,063	–	482	50,825	Industry
–	2,101	–	–	–	–	186	–	–	2,286	Agri. Fishery
–	113	–	–	–	–	79	–	–	193	Mining
13,388	26,254	–	377	–	–	5,799	–	482	46,300	Manufacturing
25	1,169	–	15	–	–	347	–	–	1,557	Food Tobacco
55	1,443	–	20	–	–	895	–	–	2,413	Textile & Apparel
–	78	–	–	–	–	65	–	–	142	Wood & Wood Pro.
15	1,073	–	5	–	–	401	–	–	1,493	Pulp & Publications
138	16,960	–	25	–	–	1,244	–	–	18,367	Petro. Chemical
3,416	1,526	–	60	–	–	616	–	–	5,617	Non-Metallic
9,593	1,305	–	103	–	–	926	–	–	11,927	Iron & Steel
5	137	–	–	–	–	0	–	–	142	Non-ferrous
–	1,048	–	130	–	–	1,242	–	–	2,419	Fabricated Metal
142	1,477	–	20	–	–	62	–	482	2,184	Other Manufacturing
–	37	–	–	–	–	0	–	–	37	Other Energy
–	2,047	–	–	–	–	0	–	–	2,047	Construction
–	18,430	–	–	–	–	101	–	–	18,531	Transportation
–	316	–	–	–	–	101	–	–	417	Rail
–	14,644	–	–	–	–	–	–	–	14,644	Land
–	2,288	–	–	–	–	–	–	–	2,288	Water
–	1,182	–	–	–	–	–	–	–	1,182	Air
5,288	7,607	–	1,314	–	–	1,874	135	210	16,428	Residential
–	4,798	–	446	–	–	1,300	7	29	6,580	Commercial
12	1,590	–	82	–	–	572	1	1	2,259	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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	석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total
	1,000 ton	1,000 bbl	1,000 ton	mil. ㎥	GWh			1,000 toe		
국 내 생 산	9,443	–	–	–	6,006	58,138	–	–	742	21,027
수 입	35,978	707,745	4,454	–	–	–	–	–	–	129,274
(석 유 생 산)	–	539,986	–	–	–	–	–	–	–	78,320
(석 유 수 입)	–	167,759	–	–	–	–	–	–	–	21,468
수 출	–	–103,493	–	–	–	–	–	–	–	–15,385
국 제 벙 커 링	–	–30,539	–	–	–	–	–	–	–	–4,678
재 고 증 감	618	–2,679	–29	–	–	–	–	–	–	–90
연 초 재 고	7,725	31,256	68	–	–	–	–	–	–	8,104
연 말 재 고	–7,107	–33,934	–97	–	–	–	–	–	–	–8,194
통 계 오 차	–3,620	–6,459	–22	–	–	–	–	–	–	–3,270
1 차 에 너 지 소 비	42,419	564,575	4,402	–	6,006	58,138	–	–	742	126,879
에 너 지 전 환	–11,280	–58,286	–4,402	2,883	–6,006	–58,138	127,734	360	–	–22,831
발 전	–11,280	–48,728	–2,518	–35	–6,006	–58,138	144,436	265	–	–21,129
지 역 난 방	–	–734	–	–35	–	–	–	125	–	–26
가 스 제 조	–	–8,824	–1,847	3,071	–	–	–	–	–	–36
자가소비 및 손실	–	–	–37	–118	–	–	–16,702	–31	–	–1,639
최 종 에 너 지 소 비	31,139	506,290	–	2,883	–	–	127,734	360	742	104,048
산 업 부 문	23,302	234,365	–	438	–	–	76,525	–	569	55,591
농 림 어 업	–	16,329	–	–	–	–	2,220	–	–	2,560
광 업	–	645	–	–	–	–	868	–	–	171
제 조 업	23,302	204,856	–	438	–	–	73,437	–	569	50,898
음식. 담배	40	7,657	–	15	–	–	4,100	–	–	1,581
섬유. 의복	66	9,427	–	26	–	–	10,017	–	–	2,408
목재. 나무	–	484	–	–	–	–	810	–	–	146
펄프. 인쇄	26	7,439	–	7	–	–	5,107	–	–	1,632
석유. 화학	223	141,426	–	27	–	–	16,248	–	–	20,150
비 금 속	6,238	10,499	–	68	–	–	7,936	–	–	6,435
1 차 금 속	16,311	8,949	–	120	–	–	12,596	–	–	13,336
비 철 금 속	–	963	–	–	–	–	–	–	–	140
조 립 금 속	–	8,019	–	152	–	–	15,995	–	–	2,723
기 타 제 조	398	9,680	–	24	–	–	628	–	569	2,303
기타에너지	–	313	–	–	–	–	–	–	–	45
건 설 업	–	12,535	–	–	–	–	–	–	–	1,962
수 송 부 문	–	150,695	–	–	–	–	1,258	–	–	21,119
철 도 운 수	–	2,277	–	–	–	–	1,258	–	–	441
육 상 운 수	–	120,581	–	–	–	–	–	–	–	16,529
수 상 운 수	–	17,607	–	–	–	–	–	–	–	2,733
항 공 운 수	–	10,230	–	–	–	–	–	–	–	1,416
가 정 부 문	7,837	69,700	–	1,920	–	–	23,916	354	148	17,117
상 업 부 문	–	40,852	–	413	–	–	18,678	2	24	7,924
공 공 부 문	–	10,678	–	112	–	–	7,357	4	1	2,296

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

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석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total	
1,000 toe										
4,249	–	–	–	1,502	14,535	–	–	742	21,027	Domestic Production
23,696	99,788	5,790	–	–	–	–	–	–	129,274	Imports
–	78,320	–	–	–	–	–	–	–	78,320	(Petroleum Products)
–	21,468	–	–	–	–	–	–	–	21,468	(Petroleum Imports)
–	–15,385	–	–	–	–	–	–	–	–15,385	Exports
–	–4,678	–	–	–	–	–	–	–	–4,678	Int'l Bunkers
308	–360	–38	–	–	–	–	–	–	–90	Stock Change(+/–)
3,629	4,386	88	–	–	–	–	–	–	8,104	Former Stock
–3,321	–4,746	–126	–	–	–	–	–	–	–8,194	Ending Stock
–2,372	–869	–29	–	–	–	–	–	–	–3,270	Statistical Difference
25,882	78,495	5,723	–	1,502	14,535	–	–	742	126,879	Primary Consumption
–6,824	–8,620	–5,723	3,027	–1,502	–14,535	10,985	360	–	–22,831	Transformation
–6,824	–7,646	–3,273	–37	–1,502	–14,535	12,421	265	–	–21,129	Electric Generation
–	–115	–	–36	–	–	–	125	–	–26	District Heating
–	–858	–2,402	3,224	–	–	–	–	–	–36	Gas Manufacturing
–	–	–48	–124	–	–	–1,436	–31	–	–1,639	Own Use & Loss
19,058	69,876	–	3,027	–	–	10,985	360	742	104,048	Final Consumption
15,327	32,654	–	460	–	–	6,581	–	569	55,591	Industry
–	2,369	–	–	–	–	191	–	–	2,560	Agri. Fishery
–	96	–	–	–	–	75	–	–	171	Mining
15,327	28,227	–	460	–	–	6,316	–	569	50,898	Manufacturing
26	1,186	–	16	–	–	353	–	–	1,581	Food Tobacco
44	1,476	–	27	–	–	861	–	–	2,408	Textile & Apparel
–	76	–	–	–	–	70	–	–	146	Wood & Wood Pro.
17	1,169	–	7	–	–	439	–	–	1,632	Pulp & Publications
147	18,577	–	28	–	–	1,397	–	–	20,150	Petro. Chemical
4,113	1,568	–	71	–	–	682	–	–	6,435	Non-Metallic
10,741	1,386	–	126	–	–	1,083	–	–	13,336	Iron & Steel
–	140	–	–	–	–	–	–	–	140	Non-ferrous
–	1,188	–	159	–	–	1,376	–	–	2,723	Fabricated Metal
239	1,416	–	25	–	–	54	–	569	2,303	Other Manufacturing
–	45	–	–	–	–	–	–	–	45	Other Energy
–	1,962	–	–	–	–	–	–	–	1,962	Construction
–	21,011	–	–	–	–	108	–	–	21,119	Transportation
–	333	–	–	–	–	108	–	–	441	Rail
–	16,529	–	–	–	–	–	–	–	16,529	Land
–	2,733	–	–	–	–	–	–	–	2,733	Water
–	1,416	–	–	–	–	–	–	–	1,416	Air
3,731	8,811	–	2,016	–	–	2,057	354	148	17,117	Residential
–	5,858	–	434	–	–	1,606	2	24	7,924	Commercial
–	1,541	–	117	–	–	633	4	1	2,296	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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	석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total
	1,000 ton	1,000 bbl	1,000 ton	mil. ㎥	GWh			1,000 toe		
국 내 생 산	7,438	–	–	–	4,098	58,651	–	–	906	19,940
수 입	39,406	759,241	5,928	–	–	–	–	–	–	140,503
(석 유 생 산)	–	568,452	–	–	–	–	–	–	–	82,316
(석 유 수 입)	–	190,790	–	–	–	–	–	–	–	24,513
수 출	–	–93,132	–	–	–	–	–	–	–	–13,788
국 제 벙 커 링	–	–33,304	–	–	–	–	–	–	–	–5,098
재 고 증 감	–616	–2,418	–60	–	–	–	–	–	–	–817
연 초 재 고	7,107	33,934	97	–	–	–	–	–	–	56
연 말 재 고	–7,723	–36,352	–157	–	–	–	–	–	–	1,923
통 계 오 차	–3,568	–8,889	–8	–	–	–	–	–	–	–3,505
										–
1 차 에 너 지 소 비	42,660	621,498	5,860	–	4,098	58,651	–	–	906	137,234
에 너 지 전 환	–14,568	–66,576	–5,860	3,864	–4,098	–58,651	146,540	460	–	–25,029
발 전	–14,568	–55,972	–3,215	–37	–4,098	–58,651	164,993	391	–	–23,112
지 역 난 방	–	–434	–114	–41	–	–	–	104	–	–156
가 스 제 조	–	–10,170	–2,451	3,917	–	–	–	–	–	–60
자가소비 및 손실	–	–	–80	25	–	–	–18,452	–35	–	–1,700
최 종 에 너 지 소 비	28,092	554,923	–	3,864	–	–	146,540	460	906	112,206
산 업 부 문	23,408	258,593	–	572	–	–	86,354	–	626	59,937
농 림 어 업	–	18,704	–	–	–	–	2,916	–	–	2,964
광 업	–	574	–	–	–	–	885	–	–	161
제 조 업	23,408	227,025	–	571	–	–	82,553	–	626	54,889
음식. 담배	42	8,320	–	19	–	–	4,675	–	–	1,734
섬유. 의복	91	9,545	–	42	–	–	11,436	–	–	2,583
목재. 나무	–	707	–	1	–	–	687	–	–	171
펄프. 인쇄	20	8,269	–	16	–	–	5,890	–	–	1,835
석유. 화학	203	158,508	–	34	–	–	17,359	–	–	22,419
비 금 속	6,644	11,247	–	81	–	–	8,781	–	–	6,896
1 차 금 속	15,995	10,344	–	161	–	–	13,688	–	–	13,490
비 철 금 속	–	1,260	–	–	–	–	–	–	–	181
조 립 금 속	–	8,178	–	186	–	–	19,078	–	–	3,041
기 타 제 조	413	10,254	–	33	–	–	959	–	626	2,483
기타에너지	–	393	–	–	–	–	–	–	–	56
건 설 업	–	12,290	–	–	–	–	–	–	–	1,923
수 송 부 문	–	170,391	–	–	–	–	1,446	–	–	23,860
철 도 운 수	–	2,205	–	–	–	–	1,446	–	–	447
육 상 운 수	–	136,383	–	–	–	–	–	–	–	18,669
수 상 운 수	–	20,168	–	–	–	–	–	–	–	3,134
항 공 운 수	–	11,636	–	–	–	–	–	–	–	1,610
가 정 부 문	4,684	74,295	–	2,637	–	–	26,553	440	190	17,402
상 업 부 문	–	41,100	–	518	–	–	23,383	14	48	8,539
공 공 부 문	–	10,544	–	136	–	–	8,804	6	42	2,647

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석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total	
1,000 toe										
3,347	–	–	–	1,025	14,663	–	–	906	19,940	Domestic Production
25,966	106,830	7,707	–	–	–	–	–	–	140,503	Imports
–	82,316	–	–	–	–	–	–	–	82,316	(Petroleum Products)
–	24,513	–	–	–	–	–	–	–	24,513	(Petroleum Imports)
–	–13,788	–	–	–	–	–	–	–	–13,788	Exports
–	–5,098	–	–	–	–	–	–	–	–5,098	Int'l Bunkers
–296	–443	–78	–	–	–	–	–	–	–817	Stock Change(+/–)
3,321	4,746	126	–	–	–	–	–	–	8,194	Former Stock
–3,617	–5,190	–204	–	–	–	–	–	–	–9,010	Ending Stock
–2,337	–1,157	–11	–	–	–	–	–	–	–3,505	Statistical Difference
									–	
26,680	86,343	7,618	–	1,025	14,663	–	–	906	137,234	Primary Consumption
–9,010	–9,832	–7,618	4,057	–1,025	–14,663	12,602	460	–	–25,029	Transformation
–9,010	–8,777	–4,179	–38	–1,025	–14,663	14,189	391	–	–23,112	Electric Generation
–	–68	–149	–43	–	–	–	104	–	–156	District Heating
–	–987	–3,186	4,113	–	–	–	–	–	–60	Gas Manufacturing
–	–	–104	26	–	–	–1,587	–35	–	–1,700	Own Use & Loss
17,670	76,511	–	4,057	–	–	12,602	460	906	112,206	Final Consumption
15,403	35,881	–	600	–	–	7,426	–	626	59,937	Industry
–	2,713	–	–	–	–	251	–	–	2,964	Agri. Fishery
–	85	–	–	–	–	76	–	–	161	Mining
15,403	31,160	–	600	–	–	7,100	–	626	54,889	Manufacturing
28	1,285	–	20	–	–	402	–	–	1,734	Food Tobacco
60	1,495	–	44	–	–	983	–	–	2,583	Textile & Apparel
–	110	–	1	–	–	59	–	–	171	Wood & Wood Pro.
13	1,299	–	16	–	–	507	–	–	1,835	Pulp & Publications
134	20,757	–	35	–	–	1,493	–	–	22,419	Petro. Chemical
4,382	1,673	–	85	–	–	755	–	–	6,896	Non-Metallic
10,538	1,607	–	169	–	–	1,177	–	–	13,490	Iron & Steel
–	181	–	–	–	–	–	–	–	181	Non-ferrous
–	1,206	–	195	–	–	1,641	–	–	3,041	Fabricated Metal
248	1,492	–	35	–	–	82	–	626	2,483	Other Manufacturing
–	56	–	–	–	–	–	–	–	56	Other Energy
–	1,923	–	–	–	–	–	–	–	1,923	Construction
–	23,736	–	–	–	–	124	–	–	23,860	Transportation
–	323	–	–	–	–	124	–	–	447	Rail
–	18,669	–	–	–	–	–	–	–	18,669	Land
–	3,134	–	–	–	–	–	–	–	3,134	Water
–	1,610	–	–	–	–	–	–	–	1,610	Air
2,267	9,453	–	2,769	–	–	2,284	440	190	17,402	Residential
–	5,923	–	544	–	–	2,011	14	48	8,539	Commercial
–	1,519	–	143	–	–	757	6	42	2,467	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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	석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total
	1,000 ton	1,000 bbl	1,000 ton	mil. ㎥	GWh			1,000 toe		
국 내 생 산	5,720	–	–	–	5,478	67,029	–	–	1,051	21,751
수 입	43,944	848,850	7,060	–	–	–	–	–	–	157,094
(석 유 생 산)	–	643,422	–	–	–	–	–	–	–	92,701
(석 유 수 입)	–	205,428	–	–	–	–	–	–	–	26,258
수 출	–	–122,620	–	–	–	–	–	–	–	–17,744
국 제 벙 커 링	–	–37,092	–	–	–	–	–	–	–	–5,671
재 고 증 감	–785	–1,284	27	–	–	–	–	–	–	–539
연 초 재 고	7,723	36,352	130	–	–	–	–	–	–	8,975
연 말 재 고	–8,508	–37,636	–103	–	–	–	–	–	–	–9,515
통 계 오 차	–4,527	–10,645	–	–	–	–	–	–	–	–4,454
1 차 에 너 지 소 비	44,352	677,210	7,087	–	5,478	67,029	–	–	1,051	150,437
에 너 지 전 환	–16,650	–75,695	–7,087	5,327	–5,478	–67,029	163,270	641	–	–28,475
발 전	–16,650	–62,201	–3,562	–	–5,478	–67,029	184,661	514	–	–26,418
지 역 난 방	–	–798	–	–109	–	–	–	175	–	–64
가 스 제 조	–	–12,696	–3,417	5,383	–	–	–	–	–	–21
자가소비 및 손실	–	–	–108	53	–	–	–21,391	–47	–	–1,971
최 종 에 너 지 소 비	27,702	601,515	–	5,327	–	–	163,270	641	1,051	121,962
산 업 부 문	24,697	266,039	–	822	–	–	96,436	–	736	62,946
농 림 어 업	–	20,247	–	–	–	–	3,370	–	–	3,224
광 업	–	543	–	–	–	–	1,020	–	–	168
제 조 업	24,697	232,936	–	821	–	–	92,046	–	736	57,627
음식. 담배	45	8,935	–	29	–	–	5,079	–	–	1,868
섬유. 의복	98	9,877	–	63	–	–	12,286	–	–	2,735
목재. 나무	–	567	–	3	–	–	786	–	–	157
펄프. 인쇄	23	8,472	–	21	–	–	6,236	–	–	1,901
석유. 화학	212	161,910	–	52	–	–	18,904	–	–	22,979
비 금 속	7,200	10,756	–	103	–	–	9,325	–	–	7,248
1 차 금 속	16,720	10,372	–	199	–	–	16,101	–	–	14,199
비 철 금 속	–	1,569	–	–	–	–	–	–	–	227
조 립 금 속	–	8,621	–	265	–	–	2,865	–	–	1,785
기 타 제 조	399	11,653	–	87	–	–	20,463	–	736	4,499
기타에너지	–	204	–	–	–	–	–	–	–	31
건 설 업	–	12,314	–	–	–	–	–	–	–	1,927
수 송 부 문	–	193,711	–	–	–	–	1,607	–	–	27,148
철 도 운 수	–	2,228	–	–	–	–	1,607	–	–	463
육 상 운 수	–	154,844	–	–	–	–	–	–	–	21,218
수 상 운 수	–	23,276	–	–	–	–	–	–	–	3,618
항 공 운 수	–	13,364	–	–	–	–	–	–	–	1,849
가 정 부 문	3,005	85,817	–	3,588	–	–	28,303	610	212	19,554
상 업 부 문	–	45,986	–	799	–	–	27,524	22	53	9,897
공 공 부 문	–	10,675	–	119	–	–	9,401	10	49	2,416

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

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석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total	
1,000 toe										
2,574	–	–	–	1,369	16,757	–	–	1,051	21,751	Domestic Production
28,956	118,959	9,178	–	–	–	–	–	–	157,094	Imports
–	92,701	–	–	–	–	–	–	–	92,701	(Petroleum Products)
–	26,258	–	–	–	–	–	–	–	26,258	(Petroleum Imports)
–	–17,744	–	–	–	–	–	–	–	–17,744	Exports
–	–5,671	–	–	–	–	–	–	–	–5,671	Int'l Bunkers
–375	–200	35	–	–	–	–	–	–	–539	Stock Change(+/–)
3,617	5,189	169	–	–	–	–	–	–	8,975	Former Stock
–3,992	–5,389	–134	–	–	–	–	–	–	–9,515	Ending Stock
–3,064	–1,390	–	–	–	–	–	–	–	–4,454	Statistical Difference
28,091	93,955	9,213	–	1,369	16,757	–	–	1,051	150,437	Primary Consumption
–10,333	–11,079	–9,213	5,594	–1,369	–16,757	14,041	641	–	–28,475	Transformation
–10,333	–9,722	–4,631	–	–1,369	–16,757	15,881	514	–	–26,418	Electric Generation
–	–125	–	–114	–	–	–	175	–	–64	District Heating
–	–1,231	–4,442	5,652	–	–	–	–	–	–21	Gas Manufacturing
–	–	–140	56	–	–	–1,840	–47	–	–1,971	Own Use & Loss
17,758	82,876	–	5,594	–	–	14,041	641	1,051	121,962	Final Consumption
16,244	36,810	–	863	–	–	8,293	–	736	62,946	Industry
–	2,934	–	–	–	–	290	–	–	3,224	Agri. Fishery
–	80	–	–	–	–	88	–	–	168	Mining
16,244	31,868	–	862	–	–	7,916	–	736	57,627	Manufacturing
30	1,370	–	31	–	–	437	–	–	1,868	Food Tobacco
65	1,548	–	66	–	–	1,057	–	–	2,735	Textile & Apparel
–	87	–	3	–	–	68	–	–	157	Wood & Wood Pro.
15	1,328	–	22	–	–	536	–	–	1,901	Pulp & Publications
140	21,159	–	54	–	–	1,626	–	–	22,979	Petro. Chemical
4,748	1,589	–	108	–	–	802	–	–	7,248	Non-Metallic
11,007	1,598	–	209	–	–	1,385	–	–	14,199	Iron & Steel
–	227	–	–	–	–	–	–	–	227	Non-ferrous
–	1,261	–	278	–	–	246	–	–	1,785	Fabricated Metal
239	1,672	–	92	–	–	1,760	–	736	4,499	Other Manufacturing
–	31	–	–	–	–	–	–	–	31	Other Energy
–	1,927	–	–	–	–	–	–	–	1,927	Construction
–	27,010	–	–	–	–	138	–	–	27,148	Transportation
–	326	–	–	–	–	138	–	–	463	Rail
–	21,218	–	–	–	–	–	–	–	21,218	Land
–	3,618	–	–	–	–	–	–	–	3,618	Water
–	1,849	–	–	–	–	–	–	–	1,849	Air
1,514	11,016	–	3,767	–	–	2,434	610	212	19,554	Residential
–	6,616	–	839	–	–	2,367	22	53	9,897	Commercial
–	1,424	–	125	–	–	808	10	49	2,416	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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	석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total
	1,000 ton	1,000 bbl	1,000 ton	mil. ㎥	GWh			1,000 toe		
국 내 생 산	4,951	–	–	–	5,202	73,925	–	–	1,161	23,170
수 입	45,952	939,545	9,595	–	–	–	–	–	–	174,286
(석 유 생 산)	–	724,421	–	–	–	–	–	–	–	104,075
(석 유 수 입)	–	215,124	–	–	–	–	–	–	–	27,411
수 출	–	–158,329	–	–	–	–	–	–	–	–22,686
국 제 벙 커 링	–	–42,080	–	–	–	–	–	–	–	–6,437
재 고 증 감	–429	–4,844	–251	–	–	–	–	–	–	–1,189
연 초 재 고	8,508	37,636	118	–	–	–	–	–	–	9,534
연 말 재 고	–8,937	–42,480	–369	–	–	–	–	–	–	–10,723
통 계 오 차	–197	–13,227	19	–	–	–	–	–	–	–1,933
1 차 에 너 지 소 비	50,277	721,065	9,363	–	5,202	73,925	–	–	1,161	165,212
에 너 지 전 환	–21,462	–76,319	–9,363	6,607	–5,202	–73,925	182,470	811	–	–33,179
발 전	–21,462	–63,640	–4,449	–	–5,202	–73,925	205,494	607	–	–30,669
지 역 난 방	–	–889	–173	–166	–	–	–	240	–	–299
가 스 제 조	–	–11,790	–4,561	6,739	–	–	–	–	–	3
자가소비 및 손실	–	–	–179	34	–	–	–23,024	–36	–	–2,213
최 종 에 너 지 소 비	28,815	644,746	–	6,607	–	–	182,470	811	1,161	132,033
산 업 부 문	26,854	281,567	–	1,139	–	–	106,737	–	912	67,868
농 림 어 업	–	22,735	–	–	–	–	3,857	–	–	3,626
광 업	–	481	–	1	–	–	1,049	–	–	162
제 조 업	26,854	244,856	–	1,139	–	–	101,831	–	912	61,966
음식. 담배	53	8,929	–	38	–	–	5,489	–	–	1,917
섬유. 의복	148	9,375	–	89	–	–	12,846	–	–	2,765
목재. 나무	–	603	–	2	–	–	883	–	–	172
펄프. 인쇄	10	9,185	–	24	–	–	7,425	–	–	2,108
석유. 화학	266	173,440	–	76	–	–	20,942	–	–	24,756
비 금 속	6,453	10,490	–	112	–	–	9,589	–	–	6,743
1 차 금 속	17,924	9,660	–	269	–	–	18,088	–	–	14,818
비 철 금 속	–	1,101	–	–	–	–	–	–	–	439
조 립 금 속	–	9,406	–	412	–	–	25,268	–	–	3,978
기 타 제 조	2,001	12,412	–	116	–	–	1,301	–	912	4,230
기타에너지	–	258	–	–	–	–	–	–	–	39
건 설 업	–	13,495	–	–	–	–	–	–	–	2,115
수 송 부 문	–	212,744	–	–	–	–	1,682	–	–	29,792
철 도 운 수	–	2,204	–	–	–	–	1,682	–	–	467
육 상 운 수	–	170,068	–	–	–	–	–	–	–	23,288
수 상 운 수	–	25,895	–	–	–	–	–	–	–	4,020
항 공 운 수	–	14,577	–	–	–	–	–	–	–	2,017
가 정 부 문	1,961	94,997	–	4,300	–	–	30,642	762	182	21,344
상 업 부 문	–	44,763	–	1,022	–	–	32,892	33	10	10,369
공 공 부 문	–	10,675	–	145	–	–	10,517	15	57	2,659

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

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석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total	
1,000 toe										
2,228	–	–	–	1,301	18,481	–	–	1,161	23,170	Domestic Production
30,327	131,486	12,473	–	–	–	–	–	–	174,286	Imports
–	104,046	–	–	–	–	–	–	–	104,075	(Petroleum Products)
–	27,411	–	–	–	–	–	–	–	27,411	(Petroleum Imports)
–	–22,686	–	–	–	–	–	–	–	–22,686	Exports
–	–6,437	–	–	–	–	–	–	–	–6,437	Int'l Bunkers
–186	–677	–326	–	–	–	–	–	–	–1,189	Stock Change(+/–)
3,992	5,389	154	–	–	–	–	–	–	9,534	Former Stock
–4,178	–6,066	–480	–	–	–	–	–	–	–10,723	Ending Stock
–169	–1,788	24	–	–	–	–	–	–	–1,933	Statistical Difference
32,200	99,898	12,172	–	1,301	18,481	–	–	1,161	165,212	Primary Consumption
–13,481	–11,184	–12,172	6,937	–1,301	–18,481	15,692	811	–	–33,179	Transformation
–13,481	–9,902	–5,784	–	–1,301	–18,481	17,672	607	–	–30,669	Electric Generation
–	–139	–225	–175	–	–	–	240	–	–299	District Heating
–	–1,143	–5,930	7,076	–	–	–	0	–	3	Gas Manufacturing
–	–	–233	36	–	–	–1,980	–36	–	–2,213	Own Use & Loss
18,718	88,714	–	6,937	–	–	15,692	811	1,161	132,033	Final Consumption
17,668	38,913	–	1,196	–	–	9,179	–	912	67,868	Industry
–	3,294	–	–	–	–	332	–	–	3,626	Agri. Fishery
–	71	–	1	–	–	90	–	–	162	Mining
17,668	33,433	–	1,195	–	–	8,757	–	912	61,966	Manufacturing
35	1,370	–	40	–	–	472	–	–	1,917	Food Tobacco
98	1,469	–	93	–	–	1,105	–	–	2,765	Textile & Apparel
–	93	–	3	–	–	76	–	–	172	Wood & Wood Pro.
6	1,438	–	25	–	–	639	–	–	2,108	Pulp & Publications
176	22,699	–	80	–	–	1,801	–	–	24,756	Petro. Chemical
4,258	1,543	–	118	–	–	825	–	–	6,743	Non–Metallic
11,795	1,468	–	282	–	–	1,556	–	–	14,818	Iron & Steel
–	157	–	–	–	–	–	–	–	439	Non–ferrous
–	1,372	–	432	–	–	2,173	–	–	3,978	Fabricated Metal
1,301	1,783	–	122	–	–	112	–	912	4,230	Other Manufacturing
–	39	–	–	–	–	–	–	–	39	Other Energy
–	2,115	–	–	–	–	–	–	–	2,115	Construction
–	29,648	–	–	–	–	145	–	–	29,792	Transportation
–	323	–	–	–	–	145	–	–	467	Rail
–	23,288	–	–	–	–	–	–	–	23,288	Land
–	4,020	–	–	–	–	–	–	–	4,020	Water
–	2,017	–	–	–	–	–	–	–	2,017	Air
1,050	12,200	–	4,515	–	–	2,635	762	182	21,344	Residential
–	6,423	–	1,073	–	–	2,829	33	10	10,369	Commercial
–	1,530	–	153	–	–	904	15	57	2,659	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

11 1997년

	석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total
	1,000 ton	1,000 bbl	1,000 ton	mil. ㎥	GWh			1,000 toe		
국 내 생 산	4,514	–	–	–	5,404	77,086	–	–	1,344	23,998
수 입	49,819	1,083,153	11,629	–	–	–	–	–	–	199,007
(석 유 생 산)	–	897,342	–	–	–	–	–	–	–	127,934
(석 유 수 입)	–	185,811	–	–	–	–	–	–	–	23,105
수 출	–	–231,050	–	–	–	–	–	–	–	–33,046
국 제 벙 커 링	–	–46,130	–	–	–	–	–	–	–	–7,067
재 고 증 감	–783	–5,846	–236	–	–	–	–	–	–	–1,346
연 초 재 고	8,937	42,940	369	–	–	–	–	–	–	10,781
연 말 재 고	–9,720	–48,785	–605	–	–	–	–	–	–	–12,127
통 계 오 차	392	–6,228	–14	–	–	–	–	–	–	–908
1 차 에 너 지 소 비	53,942	793,899	11,379	–	5,404	77,086	–	–	1,344	180,638
에 너 지 전 환	–25,019	–74,652	–11,379	7,708	–5,404	–77,086	200,784	909	–	–36,206
발 전	–25,019	–65,480	–5,198	–104	–5,404	–77,086	224,445	691	–	–33,587
지 역 난 방	–	–1,331	–179	–82	–	–	–	250	–	–277
가 스 제 조	–	–7,842	–5,770	7,857	–	–	–	–	–	–12
자가소비 및 손실	–	–	–232	37	–	–	–23,661	–32	–	–2,330
최 종 에 너 지 소 비	28,923	719,247	–	7,708	–	–	200,784	909	1,344	144,432
산 업 부 문	27,534	348,501	–	1,425	–	–	116,383	–	1,123	77,908
농 림 어 업	–	25,193	–	–	–	–	4,176	–	–	4,004
광 업	–	391	–	1	–	–	1,000	–	–	145
제 조 업	27,534	307,791	–	1,423	–	–	111,207	–	1,123	71,391
음식. 담배	55	8,211	–	40	–	–	5,711	–	–	1,825
섬유. 의복	149	9,478	–	130	–	–	13,310	–	–	2,865
목재. 나무	–	599	–	3	–	–	1,007	–	–	182
펄프. 인쇄	11	9,212	–	30	–	–	7,953	–	–	2,165
석유. 화학	270	237,038	–	109	–	–	23,231	–	–	32,757
비 금 속	6,598	10,068	–	138	–	–	9,913	–	–	6,818
1 차 금 속	18,569	5,935	–	330	–	–	20,936	–	–	15,266
비 철 금 속	–	985	–	–	–	–	–	–	–	139
조 립 금 속	–	10,789	–	472	–	–	27,770	–	–	4,466
기 타 제 조	1,883	12,223	–	172	–	–	1,377	–	1,123	4,429
기타에너지	–	3,252	–	–	–	–	–	–	–	478
건 설 업	–	15,125	–	–	–	–	–	–	–	2,369
수 송 부 문	–	219,626	–	–	–	–	1,761	–	–	30,738
철 도 운 수	–	2,196	–	–	–	–	1,761	–	–	472
육 상 운 수	–	172,190	–	–	–	–	–	–	–	23,509
수 상 운 수	–	28,874	–	–	–	–	–	–	–	4,493
항 공 운 수	–	16,366	–	–	–	–	–	–	–	2,264
가 정 부 문	1,389	89,756	–	5,045	–	–	32,155	850	146	21,245
상 업 부 문	–	51,221	–	1,085	–	–	38,661	42	8	11,826
공 공 부 문	–	10,142	–	154	–	–	11,824	17	67	2,715

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

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석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total	
1,000 toe										
2,031	–	–	–	1,351	19,272	–	–	1,344	23,998	Domestic Production
32,850	151,040	15,118	–	–	–	–	–	–	199,007	Imports
–	127,934	–	–	–	–	–	–	–	127,934	(Petroleum Products)
–	23,105	–	–	–	–	–	–	–	23,105	(Petroleum Imports)
–	–33,046	–	–	–	–	–	–	–	–33,046	Exports
–	–7,067	–	–	–	–	–	–	–	–7,067	Int'l Bunkers
–343	–697	–307	–	–	–	–	–	–	–1,346	Stock Change(+/–)
4,178	6,124	480	–	–	–	–	–	–	10,781	Former Stock
–4,520	–6,820	–786	–	–	–	–	–	–	–12,127	Ending Stock
260	–1,150	–19	–	–	–	–	–	–	–908	Statistical Difference
34,799	109,080	14,792	–	1,351	19,272	–	–	1,344	180,638	Primary Consumption
–15,881	–11,179	–14,792	8,093	–1,351	–19,272	17,267	909	–	–36,206	Transformation
–15,881	–10,210	–6,757	–109	–1,351	–19,272	19,302	691	–	–33,587	Electric Generation
–	–208	–232	–86	–	–	–	250	–	–277	District Heating
–	–761	–7,501	8,250	–	–	–	–	–	–12	Gas Manufacturing
–	–	–302	39	–	–	–2,035	–32	–	–2,330	Own Use & Loss
18,918	97,901	–	8,093	–	–	17,267	909	1,344	144,432	Final Consumption
18,139	47,141	–	1,496	–	–	10,009	–	1,123	77,908	Industry
–	3,644	–	–	–	–	359	–	–	4,004	Agri. Fishery
–	57	–	1	–	–	86	–	–	145	Mining
18,139	41,071	–	1,494	–	–	9,564	–	1,123	71,391	Manufacturing
36	1,256	–	42	–	–	491	–	–	1,825	Food Tobacco
98	1,486	–	136	–	–	1,145	–	–	2,865	Textile & Apparel
–	93	–	3	–	–	87	–	–	182	Wood & Wood Pro.
7	1,442	–	32	–	–	684	–	–	2,165	Pulp & Publications
178	30,467	–	114	–	–	1,998	–	–	32,757	Petro. Chemical
4,354	1,467	–	145	–	–	852	–	–	6,818	Non-Metallic
12,231	889	–	346	–	–	1,800	–	–	15,226	Iron & Steel
–	139	–	–	–	–	–	–	–	139	Non-ferrous
–	1,582	–	495	–	–	2,388	–	–	4,466	Fabricated Metal
1,234	1,772	–	181	–	–	118	–	1,123	4,429	Other Manufacturing
–	478	–	–	–	–	–	–	–	478	Other Energy
–	2,369	–	–	–	–	–	–	–	2,369	Construction
–	30,587	–	–	–	–	151	–	–	30,738	Transportation
–	321	–	–	–	–	151	–	–	472	Rail
–	23,509	–	–	–	–	–	–	–	23,509	Land
–	4,493	–	–	–	–	–	–	–	4,493	Water
–	2,264	–	–	–	–	–	–	–	2,264	Air
779	11,408	–	5,297	–	–	2,765	850	146	21,245	Residential
–	7,312	–	1,139	–	–	3,325	42	8	11,826	Commercial
–	1,453	–	161	–	–	1,017	17	67	2,715	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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	석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total
	1,000 ton	1,000 bbl	1,000 ton	mil. ㎥	GWh			1,000 toe		
국 내 생 산	4,361	–	–	–	6,099	89,689	–	–	1,526	27,435
수 입	51,355	1,027,343	10,600	–	–	–	–	–	–	189,711
(석 유 생 산)	–	851,447	–	–	–	–	–	–	–	120,587
(석 유 수 입)	–	175,895	–	–	–	–	–	–	–	21,498
수 출	–	–296,682	–	–	–	–	–	–	–	–42,049
국 제 벙 커 링	–	–45,991	–	–	–	–	–	–	–	–7,069
재 고 증 감	–549	2,377	78	–	–	–	–	–	–	220
연 초 재 고	9,720	48,804	605	–	–	–	–	–	–	12,130
연 말 재 고	–10,269	–46,427	–527	–	–	–	–	–	–	–11,910
통 계 오 차	725	–16,768	–34	–	–	–	–	–	–	–2,317
1 차 에 너 지 소 비	55,892	670,278	10,645	–	6,099	89,689	–	–	1,526	165,932
에 너 지 전 환	–28,133	–27,518	–10,645	8,024	–6,099	–89,689	193,470	861	–	–33,804
발 전	–28,133	–21,772	–4,030	–95	–6,099	–89,689	215,300	681	–	–31,382
지 역 난 방	–	–1,560	–160	–84	–	–	–	226	–	–314
가 스 제 조	–	–4,186	–6,233	8,080	–	–	–	–	–	–25
자가소비 및 손실	–	–	–222	123	–	–	–21,830	–46	–	–2,083
최 종 에 너 지 소 비	27,759	642,761	–	8,024	–	–	193,470	861	1,526	132,128
산 업 부 문	26,530	345,804	–	1,725	–	–	108,828	–	1,287	76,039
농 림 어 업	–	22,100	–	–	–	–	4,024	–	–	3,542
광 업	–	293	–	1	–	–	973	–	–	129
제 조 업	26,530	311,151	–	1,724	–	–	103,831	–	1,287	70,452
음식. 담배	48	6,868	–	64	–	–	5,425	–	–	1,604
섬유. 의복	147	10,306	–	219	–	–	13,129	–	–	3,061
목재. 나무	–	423	–	3	–	–	819	–	–	139
펄프. 인쇄	12	7,794	–	36	–	–	7,286	–	–	1,890
석유. 화학	259	248,698	–	156	–	–	23,034	–	–	33,932
비 금 속	5,072	6,886	–	149	–	–	7,738	–	–	5,169
1 차 금 속	19,056	4,801	–	354	–	–	20,147	–	–	15,348
비 철 금 속	–	941	–	–	–	–	–	–	–	129
조 립 금 속	–	10,780	–	440	–	–	25,044	–	–	4,247
기 타 제 조	1,936	9,522	–	303	–	–	1,210	–	1,287	4,324
기타에너지	–	4,131	–	–	–	–	–	–	–	608
건 설 업	–	12,260	–	–	–	–	–	–	–	1,916
수 송 부 문	–	187,734	–	–	–	–	1,580	–	–	26,184
철 도 운 수	–	2,163	–	–	–	–	1,580	–	–	452
육 상 운 수	–	142,385	–	–	–	–	–	–	–	19,270
수 상 운 수	–	28,752	–	–	–	–	–	–	–	4,467
항 공 운 수	–	14,435	–	–	–	–	–	–	–	1,995
가 정 부 문	1,229	60,901	–	5,087	–	–	32,913	807	154	17,407
상 업 부 문	–	39,739	–	1,059	–	–	38,269	41	8	10,011
공 공 부 문	–	8,582	–	152	–	–	11,880	13	77	2,487

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

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석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total	
1,000 toe										
1,962	–	–	–	1,525	22,422	–	–	1,526	27,435	Domestic Production
33,847	142,084	13,780	–	–	–	–	–	–	189,711	Imports
–	120,587	–	–	–	–	–	–	–	120,587	(Petroleum Products)
–	21,498	–	–	–	–	–	–	–	21,498	(Petroleum Imports)
–	–42,049	–	–	–	–	–	–	–	–42,049	Exports
–	–7,069	–	–	–	–	–	–	–	–7,069	Int'l Bunkers
–240	358	101	–	–	–	–	–	–	220	Stock Change(+/–)
4,520	6,823	786	–	–	–	–	–	–	12,130	Former Stock
–4,760	–6,465	–685	–	–	–	–	–	–	–11,910	Ending Stock
470	–2,743	–44	–	–	–	–	–	–	–2,317	Statistical Difference
36,039	90,582	13,838	–	1,525	22,422	–	–	1,526	165,932	Primary Consumption
–17,888	–4,056	–13,838	8,425	–1,525	–22,422	16,638	861	–	–33,804	Transformation
–17,888	–3,405	–5,239	–100	–1,525	–22,422	18,516	681	–	–31,382	Electric Generation
–	–245	–208	–88	–	–	–	226	–	–314	District Heating
–	–406	–8,103	8,484	–	–	–	–	–	–25	Gas Manufacturing
–	–	–289	129	–	–	–1,877	–46	–	–2,083	Own Use & Loss
18,151	86,526	–	8,425	–	–	16,638	861	1,526	132,128	Final Consumption
17,448	46,133	–	1,812	–	–	9,359	–	1,287	76,039	Industry
–	3,196	–	–	–	–	346	–	–	3,542	Agri. Fishery
–	44	–	1	–	–	84	–	–	129	Mining
17,448	40,977	–	1,810	–	–	8,929	–	1,287	70,452	Manufacturing
32	1,038	–	68	–	–	467	–	–	1,604	Food Tobacco
97	1,605	–	230	–	–	1,129	–	–	3,061	Textile & Apparel
–	66	–	3	–	–	70	–	–	139	Wood & Wood Pro.
8	1,217	–	38	–	–	627	–	–	1,890	Pulp & Publications
171	31,616	–	164	–	–	1,981	–	–	33,932	Petro. Chemical
3,343	1,004	–	156	–	–	665	–	–	5,169	Non-Metallic
12,531	713	–	371	–	–	1,733	–	–	15,348	Iron & Steel
–	129	–	–	–	–	–	–	–	129	Non-ferrous
–	1,631	–	462	–	–	2,154	–	–	4,247	Fabricated Metal
1,266	1,348	–	318	–	–	104	–	1,287	4,324	Other Manufacturing
–	608	–	–	–	–	–	–	–	608	Other Energy
–	1,916	–	–	–	–	–	–	–	1,916	Construction
–	26,048	–	–	–	–	136	–	–	26,184	Transportation
–	316	–	–	–	–	136	–	–	452	Rail
–	19,270	–	–	–	–	–	–	–	19,270	Land
–	4,467	–	–	–	–	–	–	–	4,467	Water
–	1,995	–	–	–	–	–	–	–	1,995	Air
703	7,571	–	5,341	–	–	2,831	807	154	17,407	Residential
–	5,558	–	1,112	–	–	3,291	41	8	10,011	Commercial
–	1,215	–	160	–	–	1,022	13	77	2,487	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

11 1999년

	석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total
	1,000 ton	1,000 bbl	1,000 ton	mil. ㎥	GWh			1,000 toe		
국 내 생 산	4,197	–	–	–	6,067	103,064	–	–	1,806	30,978
수 입	52,240	1,081,863	12,973	–	–	–	–	–	–	200,966
(석 유 생 산)	–	897,373	–	–	–	–	–	–	–	127,217
(석 유 수 입)	–	184,490	–	–	–	–	–	–	–	22,474
수 출	–	–297,899	–	–	–	–	–	–	–	–42,362
국 제 벙 커 링	–	–49,048	–	–	–	–	–	–	–	–7,558
재 고 증 감	–468	3,535	–12	–	–	–	–	–	–	248
연 초 재 고	10,269	46,320	527	–	–	–	–	–	–	11,900
연 말 재 고	–10,737	–42,785	–539	–	–	–	–	–	–	–11,652
통 계 오 차	3,160	–18,795	–	–	–	–	–	–	–	–909
1 차 에 너 지 소 비	59,129	719,657	12,961	–	6,067	103,064	–	–	1,806	181,363
에 너 지 전 환	–30,849	–30,212	–12,961	10,012	–6,067	–103,064	214,215	1,000	–	–38,303
발 전	–30,849	–23,739	–4,591	–80	–6,067	–103,064	239,325	747	–	–35,368
지 역 난 방	–	–1,954	–177	–121	–	–	–	300	–	–364
가 스 제 조	–	–4,518	–7,886	10,260	–	–	–	–	–	82
자가소비 및 손실	–	–	–306	–47	–	–	–25,110	–48	–	–2,654
최 종 에 너 지 소 비	28,280	689,445	–	10,012	–	–	214,215	1,000	1,806	143,060
산 업 부 문	27,163	355,721	–	2,410	–	–	120,859	–	1,568	79,858
농 림 어 업	–	23,917	–	1	–	–	4,572	–	–	3,843
광 업	–	274	–	1	–	–	952	–	–	124
제 조 업	27,163	318,682	–	2,407	–	–	115,335	–	1,568	73,889
음식. 담배	48	5,957	–	137	–	–	5,756	–	–	1,568
섬유. 의복	147	10,981	–	281	–	–	14,414	–	–	3,350
목재. 나무	–	531	–	2	–	–	1,025	–	–	173
펄프. 인쇄	12	8,510	–	58	–	–	8,333	–	–	2,111
석유. 화학	260	249,511	–	204	–	–	24,898	–	–	34,256
비 금 속	5,161	7,717	–	202	–	–	8,354	–	–	5,448
1 차 금 속	19,289	7,499	–	479	–	–	22,340	–	–	16,215
비 철 금 속	–	1,220	–	–	–	–	–	–	–	167
조 립 금 속	–	12,749	–	580	–	–	28,745	–	–	4,998
기 타 제 조	2,247	10,291	–	464	–	–	1,471	–	1,568	5,067
기타에너지	–	3,716	–	–	–	–	–	–	–	537
건 설 업	–	12,849	–	–	–	–	–	–	–	2,002
수 송 부 문	–	205,885	–	–	–	–	1,730	–	–	28,625
철 도 운 수	–	2,255	–	–	–	–	1,730	–	–	478
육 상 운 수	–	156,950	–	–	–	–	–	–	–	21,175
수 상 운 수	–	31,329	–	–	–	–	–	–	–	4,849
항 공 운 수	–	15,351	–	–	–	–	–	–	–	2,122
가 정 부 문	1,117	73,246	–	6,104	–	–	34,581	928	159	20,276
상 업 부 문	–	45,610	–	1,309	–	–	44,412	54	5	11,653
공 공 부 문	–	8,984	–	189	–	–	12,633	18	75	2,648

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

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석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total	
1,000 toe										
1,889	–	–	–	1,517	25,766	–	–	1,806	30,978	Domestic Production
34,410	149,691	16,865	–	–	–	–	–	–	200,966	Imports
–	127,217	–	–	–	–	–	–	–	127,217	(Petroleum Products)
–	22,474	–	–	–	–	–	–	–	22,474	(Petroleum Imports)
–	–42,362	–	–	–	–	–	–	–	–42,362	Exports
–	–7,558	–	–	–	–	–	–	–	–7,558	Int'l Bunkers
–203	466	–15	–	–	–	–	–	–	248	Stock Change(+/–)
4,760	6,455	685	–	–	–	–	–	–	11,900	Former Stock
–4,963	–5,989	–700	–	–	–	–	–	–	–11,652	Ending Stock
2,059	–2,968	–	–	–	–	–	–	–	–909	Statistical Difference
38,155	97,270	16,849	–	1,517	25,766	–	–	1,806	181,363	Primary Consumption
–19,657	–4,449	–16,849	10,513	–1,517	–25,766	18,422	1,000	–	–38,303	Transformation
–19,657	–3,704	–5,969	–84	–1,517	–25,766	20,582	747	–	–35,368	Electric Generation
–	–306	–231	–127	–	–	–	300	–	–364	District Heating
–	–438	–10,252	10,773	–	–	–	–	–	82	Gas Manufacturing
–	–	–398	–49	–	–	–2,159	–48	–	–2,654	Own Use & Loss
18,498	92,821	–	10,513	–	–	18,422	1,000	1,806	143,060	Final Consumption
17,845	47,521	–	2,530	–	–	10,394	–	1,568	79,858	Industry
–	3,449	–	1	–	–	393	–	–	3,843	Agri. Fishery
–	41	–	1	–	–	82	–	–	124	Mining
17,846	42,029	–	2,528	–	–	9,919	–	1,568	73,889	Manufacturing
32	897	–	144	–	–	495	–	–	1,568	Food Tobacco
97	1,718	–	295	–	–	1,240	–	–	3,350	Textile & Apparel
–	83	–	2	–	–	88	–	–	173	Wood & Wood Pro.
8	1,325	–	61	–	–	717	–	–	2,111	Pulp & Publications
171	31,729	–	214	–	–	2,141	–	–	34,256	Petro. Chemical
3,399	1,118	–	213	–	–	718	–	–	5,448	Non-Metallic
12,678	1,113	–	503	–	–	1,921	–	–	16,215	Iron & Steel
–	167	–	–	–	–	–	–	–	167	Non-ferrous
–	1,917	–	609	–	–	2,472	–	–	4,998	Fabricated Metal
1,460	1,425	–	488	–	–	127	–	1,568	5,067	Other Manufacturing
–	537	–	–	–	–	–	–	–	537	Other Energy
–	2,002	–	–	–	–	–	–	–	2,002	Construction
–	28,476	–	–	–	–	149	–	–	28,625	Transportation
–	329	–	–	–	–	149	–	–	478	Rail
–	21,175	–	–	–	–	–	–	–	21,175	Land
–	4,849	–	–	–	–	–	–	–	4,849	Water
–	2,122	–	–	–	–	–	–	–	2,122	Air
653	9,154	–	6,409	–	–	2,974	928	159	20,276	Residential
–	6,400	–	1,374	–	–	3,819	54	5	11,653	Commercial
–	1,270	–	199	–	–	1,086	18	75	2,648	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

11 2000년

	석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total
	1,000 ton	1,000 bbl	1,000 ton	mil. ㎥	GWh			1,000 toe		
국 내 생 산	4,150	–	–	–	5,610	108,964	–	–	2,130	32,641
수 입	61,638	1,116,062	14,578	–	–	–	–	–	–	213,810
(석 유 생 산)	–	911,761	–	–	–	–	–	–	–	128,912
(석 유 수 입)	–	204,301	–	–	–	–	–	–	–	25,388
수 출	–	–306,293	–	–	–	–	–	–	–	–43,577
국 제 벙 커 링	–	–46,468	–	–	–	–	–	–	–	–7,163
재 고 증 감	–37	–6,900	–52	–	–	–	–	–	–	–1,057
연 초 재 고	10,737	42,785	539	–	–	–	–	–	–	11,652
연 말 재 고	–10,774	–49,685	–591	–	–	–	–	–	–	–12,709
통 계 오 차	774	–13,844	31	–	–	–	–	–	–	–1,767
1 차 에 너 지 소 비	66,525	742,557	14,557	–	5,610	108,964	–	–	2,130	192,887
에 너 지 전 환	–36,155	–43,848	–14,557	11,963	–5,610	–108,964	239,535	1,119	–	–43,036
발 전	–36,155	–38,528	–4,353	–103	–5,610	–108,964	266,400	809	–	–39,797
지 역 난 방	–	–2,114	–335	–115	–	–	–	357	–	–530
가 스 제 조	–	–3,205	–9,528	11,924	–	–	–	–	–	–178
자가소비 및 손실	–	–	–340	257	–	–	–26,864	–48	–	–2,530
최 종 에 너 지 소 비	30,370	698,709	–	11,963	–	–	239,535	1,119	2,130	149,852
산 업 부 문	29,179	362,034	–	3,151	–	–	132,260	–	1,908	83,912
농 림 어 업	–	24,905	–	12	–	–	5,306	–	–	4,069
광 업	–	362	–	2	–	–	1,003	–	–	142
제 조 업	29,179	323,119	–	3,137	–	–	125,952	–	1,908	77,583
음식. 담배	45	5,790	–	168	–	–	6,149	–	–	1,612
섬유. 의복	145	10,526	–	407	–	–	15,497	–	–	3,504
목재. 나무	1	539	–	2	–	–	1,137	–	–	184
펄프. 인쇄	–	7,790	–	63	–	–	8,843	–	–	2,042
석유. 화학	268	258,457	–	304	–	–	26,899	–	–	35,641
비 금 속	5,366	7,665	–	240	–	–	8,981	–	–	5,672
1 차 금 속	20,194	6,171	–	616	–	–	23,751	–	–	16,894
비 철 금 속	–	1,349	–	–	–	–	–	–	–	185
조 립 금 속	–	10,441	–	687	–	–	32,997	–	–	5,108
기 타 제 조	3,160	10,339	–	650	–	–	1,697	–	1,908	6,156
기타에너지	–	4,052	–	–	–	–	–	–	–	586
건 설 업	–	13,648	–	–	–	–	–	–	–	2,118
수 송 부 문	–	223,453	–	–	–	–	2,037	–	–	30,945
철 도 운 수	–	2,307	–	–	–	–	2,037	–	–	512
육 상 운 수	–	175,116	–	–	–	–	–	–	–	23,554
수 상 운 수	–	30,315	–	–	–	–	–	–	–	4,705
항 공 운 수	–	15,715	–	–	–	–	–	–	–	2,174
가 정 부 문	1,192	73,045	–	7,003	–	–	37,102	1,030	115	21,401
상 업 부 문	–	32,103	–	1,591	–	–	54,651	66	33	10,969
공 공 부 문	–	8,074	–	218	–	–	13,486	22	74	2,625

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

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석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total	
1,000 toe										
1,868	–	–	–	1,402	27,241	–	–	2,130	32,641	Domestic Production
40,559	154,300	18,951	–	–	–	–	–	–	213,810	Imports
–	128,912	–	–	–	–	–	–	–	128,912	(Petroleum Products)
–	25,388	–	–	–	–	–	–	–	25,388	(Petroleum Imports)
–	–43,577	–	–	–	–	–	–	–	–43,577	Exports
–	–7,163	–	–	–	–	–	–	–	–7,163	Int'l Bunkers
–16	–973	–68	–	–	–	–	–	–	–1,057	Stock Change(+/–)
4,963	5,989	700	–	–	–	–	–	–	11,652	Former Stock
–4,979	–6,961	–768	–	–	–	–	–	–	–12,709	Ending Stock
501	–2,308	40	–	–	–	–	–	–	–1,767	Statistical Difference
42,911	100,279	18,924	–	1,402	27,241	–	–	2,130	192,887	Primary Consumption
–23,064	–6,684	–18,924	12,561	–1,402	–27,241	20,600	1,119	–	–43,036	Transformation
–23,064	–6,042	–5,659	–108	–1,402	–27,241	22,910	809	–	–39,797	Electric Generation
–	–331	–436	–120	–	–	–	357	–	–530	District Heating
–	–311	–12,387	12,520	–	–	–	–	–	–178	Gas Manufacturing
–	–	–442	269	–	–	–2,310	–48	–	–2,530	Own Use & Loss
19,847	93,596	–	12,561	–	–	20,600	1,119	2,130	149,852	Final Consumption
19,129	48,193	–	3,308	–	–	11,374	–	1,908	83,912	Industry
–	3,600	–	13	–	–	456	–	–	4,069	Agri. Fishery
–	54	–	2	–	–	86	–	–	142	Mining
19,129	42,421	–	3,294	–	–	10,832	–	1,908	77,583	Manufacturing
30	877	–	176	–	–	529	–	–	1,612	Food Tobacco
96	1,648	–	428	–	–	1,333	–	–	3,504	Textile & Apparel
1	83	–	2	–	–	98	–	–	184	Wood & Wood Pro.
–	1,216	–	66	–	–	760	–	–	2,042	Pulp & Publications
177	32,832	–	319	–	–	2,313	–	–	35,641	Petro. Chemical
3,538	1,110	–	252	–	–	772	–	–	5,672	Non-Metallic
13,282	923	–	647	–	–	2,043	–	–	16,894	Iron & Steel
–	185	–	–	–	–	–	–	–	185	Non-ferrous
–	1,549	–	721	–	–	2,838	–	–	5,108	Fabricated Metal
2,007	1,414	–	682	–	–	146	–	1,908	6,156	Other Manufacturing
–	586	–	–	–	–	–	–	–	586	Other Energy
–	2,118	–	–	–	–	–	–	–	2,118	Construction
–	30,770	–	–	–	–	175	–	–	30,945	Transportation
–	337	–	–	–	–	175	–	–	512	Rail
–	23,554	–	–	–	–	–	–	–	23,554	Land
–	4,705	–	–	–	–	–	–	–	4,705	Water
–	2,174	–	–	–	–	–	–	–	2,174	Air
718	8,994	–	7,353	–	–	3,191	1,030	115	21,401	Residential
–	4,499	–	1,671	–	–	4,700	66	33	10,969	Commercial
–	1,140	–	229	–	–	1,160	22	74	2,625	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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	석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total
	1,000 ton	1,000 bbl	1,000 ton	mil. ㎥	GWh			1,000 toe		
국 내 생 산	3,817	–	–	–	4,151	112,133	–	–	2,456	33,244
수 입	64,966	1,097,625	16,164	–	–	–	–	–	–	215,372
(석 유 생 산)	–	892,844	–	–	–	–	–	–	–	126,012
(석 유 수 입)	–	204,781	–	–	–	–	–	–	–	25,656
수 출	–	–295,010	–	–	–	–	–	–	–	–41,991
국 제 벙 커 링	–	–46,330	–	–	–	–	–	–	–	–7,132
재 고 증 감	198	324	–147	–	–	–	–	–	–	–61
연 초 재 고	10,774	49,680	591	–	–	–	–	–	–	12,708
연 말 재 고	–10,576	–49,356	–738	–	–	–	–	–	–	–12,769
통 계 오 차	1,842	–12,942	–27	–	–	–	–	–	–	–1,023
1 차 에 너 지 소 비	70,823	743,667	15,990	–	4,151	112,133	–	–	2,456	198,409
에 너 지 전 환	–39,291	–45,460	–15,990	12,657	–4,151	–112,133	257,731	1,150	–	–45,460
발 전	–39,291	–41,529	–4,657	–84	–4,151	–112,133	285,225	786	–	–41,601
지 역 난 방	–	–2,037	–630	–126	–	–	–	416	–	–855
가 스 제 조	–	–1,894	–10,300	12,751	–	–	–	–	–	–186
자가소비 및 손실	–	–	–403	116	–	–	–27,494	–51	–	–2,817
최 종 에 너 지 소 비	31,532	698,207	–	12,657	–	–	257,731	1,150	2,456	152,950
산 업 부 문	30,302	359,930	–	3,440	–	–	135,791	–	2,215	85,158
농 림 어 업	–	26,544	–	21	–	–	5,985	–	–	4,369
광 업	–	389	–	2	–	–	1,074	–	–	152
제 조 업	30,302	318,785	–	3,416	–	–	128,732	–	2,215	78,428
음식. 담배	46	5,121	–	181	–	–	6,387	–	–	1,545
섬유. 의복	164	9,858	–	418	–	–	15,137	–	–	3,393
목재. 나무	–	493	–	2	–	–	1,256	–	–	187
펄프. 인쇄	–	7,130	–	62	–	–	8,958	–	–	1,951
석유. 화학	268	261,299	–	317	–	–	27,839	–	–	36,114
비 금 속	5,514	7,362	–	252	–	–	9,306	–	–	5,780
1 차 금 속	20,368	4,583	–	681	–	–	23,498	–	–	16,798
비 철 금 속	–	1,199	–	–	–	–	–	–	–	162
조 립 금 속	–	9,204	–	704	–	–	34,562	–	–	5,078
기 타 제 조	3,942	8,458	–	799	–	–	1,789	–	2,215	6,833
기타에너지	–	4,077	–	–	–	–	–	–	–	588
건 설 업	–	14,212	–	–	–	–	–	–	–	2,209
수 송 부 문	–	231,096	–	7	–	–	2,257	–	–	31,909
철 도 운 수	–	2,329	–	–	–	–	2,257	–	–	535
육 상 운 수	–	184,995	–	7	–	–	–	–	–	24,841
수 상 운 수	–	27,749	–	–	–	–	–	–	–	4,317
항 공 운 수	–	16,024	–	–	–	–	–	–	–	2,216
가 정 부 문	1,230	71,833	–	7,168	–	–	39,211	1,050	109	21,673
상 업 부 문	–	25,514	–	1,796	–	–	65,496	75	42	11,220
공 공 부 문	–	9,440	–	247	–	–	14,976	25	90	2,989

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

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석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total	
1,000 toe										
1,718	–	–	–	1,038	28,033	–	–	2,456	33,244	Domestic Production
42,691	151,668	21,013	–	–	–	–	–	–	215,372	Imports
–	126,012	–	–	–	–	–	–	–	126,012	(Petroleum Products)
–	25,656	–	–	–	–	–	–	–	25,656	(Petroleum Imports)
–	–41,991	–	–	–	–	–	–	–	–41,991	Exports
–	–7,132	–	–	–	–	–	–	–	–7,132	Int'l Bunkers
90	40	–191	–	–	–	–	–	–	–61	Stock Change(+/–)
4,979	6,961	768	–	–	–	–	–	–	12,708	Former Stock
–4,889	–6,921	–959	–	–	–	–	–	–	–12,769	Ending Stock
1,213	–2,200	–35	–	–	–	–	–	–	–1,023	Statistical Difference
45,711	100,385	20,787	–	1,038	28,033	–	–	2,456	198,409	Primary Consumption
–25,179	–7,028	–20,787	13,290	–1,038	–28,033	22,165	1,150	–	–45,460	Transformation
–25,179	–6,524	–6,054	–88	–1,038	–28,033	24,529	786	–	–41,601	Electric Generation
–	–319	–819	–132	–	–	–	416	–	–855	District Heating
–	–185	–13,389	13,388	–	–	–	–	–	–186	Gas Manufacturing
–	–	–524	122	–	–	–2,364	–51	–	–2,817	Own Use & Loss
20,532	93,356	–	13,290	–	–	22,165	1,150	2,456	152,950	Final Consumption
19,806	47,848	–	3,612	–	–	11,678	–	2,215	85,158	Industry
–	3,831	–	22	–	–	515	–	–	4,369	Agri. Fishery
–	58	–	2	–	–	92	–	–	152	Mining
19,805	41,750	–	3,587	–	–	11,071	–	2,215	78,428	Manufacturing
31	774	–	190	–	–	549	–	–	1,545	Food Tobacco
108	1,544	–	439	–	–	1,302	–	–	3,393	Textile & Apparel
–	77	–	2	–	–	108	–	–	187	Wood & Wood Pro.
–	1,115	–	65	–	–	770	–	–	1,951	Pulp & Publications
177	33,210	–	333	–	–	2,394	–	–	36,114	Petro. Chemical
3,636	1,079	–	265	–	–	800	–	–	5,780	Non-Metallic
13,379	683	–	715	–	–	2,021	–	–	16,798	Iron & Steel
–	162	–	–	–	–	–	–	–	162	Non-ferrous
–	1,366	–	739	–	–	2,972	–	–	5,078	Fabricated Metal
2,474	1,152	–	839	–	–	154	–	2,215	6,833	Other Manufacturing
–	588	–	–	–	–	–	–	–	588	Other Energy
–	2,209	–	–	–	–	–	–	–	2,209	Construction
–	31,708	–	7	–	–	194	–	–	31,909	Transportation
–	341	–	–	–	–	194	–	–	535	Rail
–	24,833	–	7	–	–	–	–	–	24,841	Land
–	4,317	–	–	–	–	–	–	–	4,317	Water
–	2,216	–	–	–	–	–	–	–	2,216	Air
727	8,889	–	7,526	–	–	3,372	1,050	109	21,673	Residential
–	3,585	–	1,885	–	–	5,633	75	42	11,220	Commercial
–	1,327	–	259	–	–	1,288	25	90	2,989	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

11 2002년

	석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total
	1,000 ton	1,000 bbl	1,000 ton	mil. ㎥	GWh			1,000 toe		
국 내 생 산	3,318	–	–	–	5,309	119,102	–	–	2,925	35,521
수 입	68,519	1,073,154	17,470	–	–	–	–	–	–	214,833
(석 유 생 산)	–	844,598	–	–	–	–	–	–	–	118,461
(석 유 수 입)	–	228,557	–	–	–	–	–	–	–	28,672
수 출	–	–239,127	–	–	–	–	–	–	–	–33,770
국 제 벙 커 링	–	–46,466	–	–	–	–	–	–	–	–7,115
재 고 증 감	475	6,100	312	–	–	–	–	–	–	1,553
연 초 재 고	10,576	49,356	738	–	–	–	–	–	–	12,769
연 말 재 고	–10,101	–43,256	–426	–	–	–	–	–	–	–11,216
통 계 오 차	3,640	–30,793	–14	–	–	–	–	–	–	–2,387
1 차 에 너 지 소 비	75,952	762,868	17,768	–	5,309	119,102	–	–	2,925	208,636
에 너 지 전 환	–42,701	–40,564	–17,768	13,873	–5,309	–119,102	278,451	1,223	–	–48,185
발 전	–42,701	–36,403	–5,900	–29	–5,309	–119,102	306,473	842	–	–44,774
지 역 난 방	–	–2,474	–609	–188	–	–	–	441	–	–937
가 스 제 조	–	–1,687	–11,194	13,815	–	–	–	–	–	–211
자가소비 및 손실	–	–	–65	275	–	–	–28,022	–59	–	–2,265
최 종 에 너 지 소 비	33,251	722,304	–	13,873	–	–	278,451	1,223	2,925	160,451
산 업 부 문	32,075	374,906	–	3,794	–	–	144,454	–	2,359	89,197
농 림 어 업	–	26,231	–	18	–	–	6,156	–	–	4,321
광 업	–	425	–	–	–	–	1,155	–	–	162
제 조 업	32,075	334,089	–	3,776	–	–	137,143	–	2,359	82,528
음식. 담배	49	5,072	–	239	–	–	6,768	–	–	1,616
섬유. 의복	174	9,609	–	421	–	–	15,543	–	–	3,389
목재. 나무	–	528	–	3	–	–	1,388	–	–	204
펄프. 인쇄	–	7,340	–	64	–	–	9,329	–	–	2,014
석유. 화학	258	278,315	–	381	–	–	29,267	–	–	38,302
비 금 속	5,698	7,433	–	261	–	–	9,923	–	–	5,979
1 차 금 속	21,189	4,496	–	685	–	–	24,982	–	–	17,465
비 철 금 속	–	1,158	–	–	–	–	–	–	–	159
조 립 금 속	–	9,186	–	748	–	–	37,967	–	–	5,409
기 타 제 조	4,707	7,010	–	974	–	–	1,975	–	2,359	7,423
기타에너지	–	3,942	–	–	–	–	–	–	–	568
건 설 업	–	14,162	–	–	–	–	–	–	–	2,186
수 송 부 문	–	244,045	–	76	–	–	2,271	–	–	33,763
철 도 운 수	–	2,329	–	–	–	–	2,271	–	–	536
육 상 운 수	–	196,517	–	76	–	–	–	–	–	26,484
수 상 운 수	–	28,506	–	–	–	–	–	–	–	4,434
항 공 운 수	–	16,694	–	–	–	–	–	–	–	2,309
가 정 부 문	1,175	70,723	–	7,723	–	–	42,278	1,118	325	22,508
상 업 부 문	–	23,976	–	2,030	–	–	72,361	78	26	11,791
공 공 부 문	–	8,653	–	250	–	–	17,088	27	215	3,191

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

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석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total	
1,000 toe										
1,493	–	–	–	1,327	29,776	–	–	2,925	35,521	Domestic Production
44,990	147,133	22,711	–	–	–	–	–	–	214,833	Imports
–	118,461	–	–	–	–	–	–	–	118,461	(Petroleum Products)
–	28,672	–	–	–	–	–	–	–	28,672	(Petroleum Imports)
–	–33,770	–	–	–	–	–	–	–	–33,770	Exports
–	–7,115	–	–	–	–	–	–	–	–7,115	Int'l Bunkers
221	926	406	–	–	–	–	–	–	1,553	Stock Change(+/–)
4,889	6,921	959	–	–	–	–	–	–	12,769	Former Stock
–4,668	–5,994	–553	–	–	–	–	–	–	–11,216	Ending Stock
2,392	–4,761	–18	–	–	–	–	–	–	–2,387	Statistical Difference
49,096	102,414	23,099	–	1,327	29,776	–	–	2,925	208,636	Primary Consumption
–27,466	–6,255	–23,099	14,567	–1,327	–29,776	23,947	1,223	–	–48,185	Transformation
–27,466	–5,702	–7,671	–31	–1,327	–29,776	26,357	842	–	–44,774	Electric Generation
–	–389	–791	–197	–	–	–	441	–	–937	District Heating
–	–164	–14,552	14,506	–	–	–	–	–	–211	Gas Manufacturing
–	–	–85	289	–	–	–2,410	–59	–	–2,265	Own Use & Loss
21,629	96,159	–	14,567	–	–	23,947	1,223	2,925	160,451	Final Consumption
20,932	49,499	–	3,984	–	–	12,423	–	2,359	89,197	Industry
–	3,773	–	19	–	–	529	–	–	4,321	Agri. Fishery
–	63	–	–	–	–	99	–	–	162	Mining
20,932	43,477	–	3,965	–	–	11,794	–	2,359	82,528	Manufacturing
32	751	–	251	–	–	582	–	–	1,616	Food Tobacco
115	1,496	–	442	–	–	1,337	–	–	3,389	Textile & Apparel
–	81	–	3	–	–	119	–	–	204	Wood & Wood Pro.
–	1,145	–	67	–	–	802	–	–	2,014	Pulp & Publications
170	35,215	–	400	–	–	2,517	–	–	38,302	Petro. Chemical
3,759	1,093	–	274	–	–	853	–	–	5,979	Non–Metallic
13,919	678	–	719	–	–	2,148	–	–	17,465	Iron & Steel
–	159	–	–	–	–	–	–	–	159	Non–ferrous
–	1,358	–	786	–	–	3,265	–	–	5,409	Fabricated Metal
2,937	934	–	1,023	–	–	170	–	2,359	7,423	Other Manufacturing
–	568	–	–	–	–	–	–	–	568	Other Energy
–	2,186	–	–	–	–	–	–	–	2,186	Construction
–	33,488	–	80	–	–	195	–	–	33,763	Transportation
–	341	–	–	–	–	195	–	–	536	Rail
–	26,405	–	80	–	–	–	–	–	26,484	Land
–	4,434	–	–	–	–	–	–	–	4,434	Water
–	2,309	–	–	–	–	–	–	–	2,309	Air
697	8,623	–	8,109	–	–	3,636	1,118	325	22,508	Residential
–	3,332	–	2,132	–	–	6,223	78	26	11,791	Commercial
–	1,217	–	262	–	–	1,470	27	215	3,191	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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	석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total
	1,000 ton	1,000 bbl	1,000 ton	mil. ㎥	GWh			1,000 toe		
국 내 생 산	3,298	–	–	–	6,887	129,659	–	–	3,241	38,861
수 입	69,958	1,046,144	19,434	–	–	–	–	–	–	214,866
(석 유 생 산)	–	826,247	–	–	–	–	–	–	–	116,347
(석 유 수 입)	–	219,897	–	–	–	–	–	–	–	27,361
수 출	–	–209,079	–	–	–	–	–	–	–	–29,873
국 제 벙 커 링	–	–53,139	–	–	–	–	–	–	–	–8,120
재 고 증 감	574	1,302	–325	–	–	–	–	–	–	57
연 초 재 고	10,101	43,284	738	–	–	–	–	–	–	11,626
연 말 재 고	–9,527	–41,983	–1,063	–	–	–	–	–	–	–11,569
통 계 오 차	5,290	–22,286	–499	–	–	–	–	–	–	–725
1 차 에 너 지 소 비	79,120	762,941	18,610	–	6,887	129,659	–	–	3,241	215,066
에 너 지 전 환	–44,341	–40,285	–18,610	14,734	–6,887	–129,659	293,599	1,300	–30	–51,071
발 전	–44,341	–36,624	–5,853	–45	–6,887	–129,659	322,429	889	–30	–47,417
지 역 난 방	–	–2,704	–615	–193	–	–	–	457	–	–970
가 스 제 조	–	–956	–11,978	14,950	–	–	–	–	–	32
자가소비 및 손실	–	–	–165	21	–	–	–28,830	–45	–	–2,716
최 종 에 너 지 소 비	34,779	722,656	–	14,734	–	–	293,599	1,300	3,210	163,995
산 업 부 문	33,588	374,669	–	3,978	–	–	150,387	–	2,503	90,805
농 림 어 업	–	22,498	–	22	–	–	5,944	–	–	3,779
광 업	–	533	–	–	–	–	1,205	–	–	180
제 조 업	33,588	337,141	–	3,956	–	–	143,238	–	2,503	84,603
음식. 담배	48	5,004	–	262	–	–	7,061	–	–	1,641
섬유. 의복	168	8,558	–	410	–	–	14,654	–	–	3,130
목재. 나무	–	446	–	5	–	–	1,445	–	–	197
펄프. 인쇄	–	7,234	–	61	–	–	9,352	–	–	1,997
석유. 화학	268	285,398	–	425	–	–	31,223	–	–	39,405
비 금 속	6,072	7,014	–	293	–	–	10,286	–	–	6,242
1 차 금 속	21,573	4,132	–	759	–	–	25,656	–	–	17,797
비 철 금 속	–	1,199	–	–	–	–	–	–	–	165
조 립 금 속	–	7,719	–	762	–	–	41,507	–	–	5,513
기 타 제 조	5,459	6,104	–	980	–	–	2,054	–	2,503	7,888
기타에너지	–	4,334	–	–	–	–	–	–	–	628
건 설 업	–	14,497	–	–	–	–	–	–	–	2,242
수 송 부 문	–	249,625	–	139	–	–	2,331	–	–	34,632
철 도 운 수	–	2,382	–	–	–	–	2,331	–	–	549
육 상 운 수	–	202,658	–	139	–	–	–	–	–	27,419
수 상 운 수	–	28,767	–	–	–	–	–	–	–	4,477
항 공 운 수	–	15,819	–	–	–	–	–	–	–	2,188
가 정 부 문	1,191	65,915	–	8,124	–	–	44,572	1,180	286	22,591
상 업 부 문	–	22,420	–	2,246	–	–	78,511	89	58	12,374
공 공 부 문	–	10,027	–	246	–	–	17,798	32	364	3,593

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석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total	
1,000 toe										
1,484	–	–	–	1,722	32,415	–	–	3,241	38,861	Domestic Production
45,894	143,708	25,264	–	–	–	–	–	–	214,866	Imports
–	116,347	–	–	–	–	–	–	–	116,347	(Petroleum Products)
–	27,361	–	–	–	–	–	–	–	27,361	(Petroleum Imports)
–	–29,873	–	–	–	–	–	–	–	–29,873	Exports
–	–8,120	–	–	–	–	–	–	–	–8,120	Int'l Bunkers
261	218	–423	–	–	–	–	–	–	57	Stock Change(+/–)
4,668	5,998	959	–	–	–	–	–	–	11,626	Former Stock
–4,407	–5,780	–1,382	–	–	–	–	–	–	–11,569	Ending Stock
3,477	–3,554	–648	–	–	–	–	–	–	–725	Statistical Difference
51,116	102,380	24,194	–	1,722	32,415	–	–	3,241	215,066	Primary Consumption
–28,507	–6,225	–24,194	15,470	–1,722	–32,415	25,250	1,300	–30	–51,071	Transformation
–28,507	–5,705	–7,609	–48	–1,722	–32,415	27,729	889	–30	–47,417	Electric Generation
–	–425	–800	–202	–	–	–	457	–	–970	District Heating
–	–94	–15,571	15,698	–	–	–	–	–	32	Gas Manufacturing
–	–	–214	22	–	–	–2,479	–45	–	–2,716	Own Use & Loss
22,610	96,155	–	15,470	–	–	25,250	1,300	3,210	163,995	Final Consumption
21,888	49,304	–	4,177	–	–	12,933	–	2,503	90,805	Industry
–	3,245	–	23	–	–	511	–	–	3,779	Agri. Fishery
–	77	–	–	–	–	104	–	–	180	Mining
21,888	43,740	–	4,154	–	–	12,318	–	2,503	84,603	Manufacturing
32	727	–	275	–	–	607	–	–	1,641	Food Tobacco
111	1,328	–	431	–	–	1,260	–	–	3,130	Textile & Apparel
–	68	–	5	–	–	124	–	–	197	Wood & Wood Pro.
–	1,129	–	64	–	–	804	–	–	1,997	Pulp & Publications
177	36,096	–	447	–	–	2,685	–	–	39,405	Petro. Chemical
4,007	1,043	–	308	–	–	885	–	–	6,242	Non-Metallic
14,174	619	–	797	–	–	2,206	–	–	17,797	Iron & Steel
–	165	–	–	–	–	–	–	–	165	Non-ferrous
–	1,143	–	800	–	–	3,570	–	–	5,513	Fabricated Metal
3,387	794	–	1,029	–	–	177	–	2,503	7,888	Other Manufacturing
–	628	–	–	–	–	–	–	–	628	Other Energy
–	2,242	–	–	–	–	–	–	–	2,242	Construction
–	34,286	–	146	–	–	200	–	–	34,632	Transportation
–	348	–	–	–	–	200	–	–	549	Rail
–	27,273	–	146	–	–	–	–	–	27,419	Land
–	4,477	–	–	–	–	–	–	–	4,477	Water
–	2,188	–	–	–	–	–	–	–	2,188	Air
722	8,040	–	8,530	–	–	3,833	1,180	286	22,591	Residential
–	3,116	–	2,359	–	–	6,752	89	58	12,374	Commercial
–	1,408	–	259	–	–	1,531	32	364	3,593	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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	석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total
	1,000 ton	1,000 bbl	1,000 ton	mil. ㎥	GWh			1,000 toe		
국 내 생 산	3,191	–	–	–	5,861	130,715	–	–	3,977	39,557
수 입	76,354	1,081,523	22,153	–	–	–	–	–	–	226,558
(석 유 생 산)	–	886,413	–	–	–	–	–	–	–	123,714
(석 유 수 입)	–	195,110	–	–	–	–	–	–	–	23,905
수 출	–	–235,506	–	–	–	–	–	–	–	–33,644
국 제 벙 커 링	–	–58,387	–	–	–	–	–	–	–	–8,929
재 고 증 감	633	–8,585	–539	–	–	–	–	–	–	–1,539
연 초 재 고	9,527	41,984	1,063	–	–	–	–	–	–	11,570
연 말 재 고	–8,894	–50,569	–1,602	–	–	–	–	–	–	–13,109
통 계 오 차	1,937	–26,716	195	–	–	–	–	–	–	–1,764
1 차 에 너 지 소 비	82,116	752,329	21,809	–	5,861	130,715	–	–	3,977	220,238
에 너 지 전 환	–47,868	–33,048	–21,809	15,420	–5,861	–130,715	312,096	1,343	–49	–54,229
발 전	–47,868	–29,871	–8,242	–27	–5,861	–130,715	342,148	885	–49	–50,243
지 역 난 방	–	–2,218	–576	–224	–	–	–	469	–	–865
가 스 제 조	–	–960	–12,504	15,360	–	–	–	–	–	–221
자가소비 및 손실	–	–	–487	311	–	–	–30,052	–10	–	–2,901
최 종 에 너 지 소 비	34,248	719,281	–	15,420	–	–	312,096	1,343	3,928	166,009
산 업 부 문	32,863	383,078	–	4,173	–	–	158,337	–	3,337	92,992
농 림 어 업	–	20,391	–	24	–	–	6,511	–	–	3,529
광 업	–	455	–	–	–	–	1,269	–	–	175
제 조 업	32,862	346,341	–	4,150	–	–	150,557	–	3,337	86,830
음식. 담배	48	4,911	–	258	–	–	7,281	–	–	1,646
섬유. 의복	160	7,854	–	400	–	–	13,846	–	–	2,934
목재. 나무	–	413	–	35	–	–	1,465	–	–	225
펄프. 인쇄	–	6,964	–	63	–	–	9,653	–	–	1,983
석유. 화학	182	296,824	–	417	–	–	32,925	–	–	40,848
비 금 속	5,318	6,930	–	321	–	–	10,119	–	–	5,754
1 차 금 속	22,045	3,903	–	843	–	–	26,340	–	–	18,214
비 철 금 속	–	1,133	–	–	–	–	–	–	–	155
조 립 금 속	–	6,238	–	845	–	–	46,858	–	–	5,831
기 타 제 조	5,109	5,603	–	969	–	–	2,070	–	3,337	8,427
기타에너지	–	5,568	–	–	–	–	–	–	–	812
건 설 업	–	15,891	–	–	–	–	–	–	–	2,459
수 송 부 문	–	249,108	–	226	–	–	2,475	–	5	34,615
철 도 운 수	–	2,037	–	–	–	–	2,475	–	–	511
육 상 운 수	–	203,950	–	226	–	–	–	–	5	27,684
수 상 운 수	–	26,497	–	–	–	–	–	–	–	4,120
항 공 운 수	–	16,625	–	–	–	–	–	–	–	2,300
가 정 부 문	1,385	62,554	–	8,225	–	–	48,615	1,204	256	22,788
상 업 부 문	–	14,972	–	2,530	–	–	83,390	108	47	12,019
공 공 부 문	–	9,568	–	266	–	–	19,279	31	283	3,595

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석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total	
1,000 toe										
1,436	–	–	–	1,465	32,679	–	–	3,977	39,557	Domestic Production
50,139	147,620	28,799	–	–	–	–	–	–	226,558	Imports
–	123,714	–	–	–	–	–	–	–	123,714	(Petroleum Products)
–	23,905	–	–	–	–	–	–	–	23,905	(Petroleum Imports)
–	–33,644	–	–	–	–	–	–	–	–33,644	Exports
–	–8,929	–	–	–	–	–	–	–	–8,929	Int'l Bunkers
304	–1,142	–701	–	–	–	–	–	–	–1,539	Stock Change(+/–)
4,407	5,781	1,382	–	–	–	–	–	–	11,570	Former Stock
–4,103	–6,922	–2,083	–	–	–	–	–	–	–13,109	Ending Stock
1,249	–3,266	253	–	–	–	–	–	–	–1,764	Statistical Difference
53,127	100,638	28,351	–	1,465	32,679	–	–	3,977	220,238	Primary Consumption
–30,933	–5,126	–28,351	16,191	–1,465	–32,679	26,840	1,343	–49	–54,229	Transformation
–30,933	–4,684	–10,715	–29	–1,465	–32,679	29,425	885	–49	–50,243	Electric Generation
–	–348	–749	–236	–	–	–	469	–	–865	District Heating
–	–94	–16,255	16,128	–	–	–	–	–	–221	Gas Manufacturing
–	–	–632	327	–	–	–2,585	–10	–	–2,901	Own Use & Loss
22,194	95,513	–	16,191	–	–	26,840	1,343	3,928	166,009	Final Consumption
21,420	50,236	–	4,382	–	–	13,617	–	3,337	92,992	Industry
–	2,945	–	25	–	–	560	–	–	3,529	Agri. Fishery
–	65	–	–	–	–	109	–	–	175	Mining
21,419	44,768	–	4,357	–	–	12,948	–	3,337	86,830	Manufacturing
32	717	–	271	–	–	626	–	–	1,646	Food Tobacco
106	1,217	–	420	–	–	1,191	–	–	2,934	Textile & Apparel
–	63	–	36	–	–	126	–	–	225	Wood & Wood Pro.
–	1,087	–	66	–	–	830	–	–	1,983	Pulp & Publications
120	37,459	–	437	–	–	2,832	–	–	40,848	Petro. Chemical
3,509	1,038	–	337	–	–	870	–	–	5,754	Non-Metallic
14,476	588	–	885	–	–	2,265	–	–	18,214	Iron & Steel
–	155	–	–	–	–	–	–	–	155	Non-ferrous
–	914	–	887	–	–	4,030	–	–	5,831	Fabricated Metal
3,176	718	–	1,017	–	–	178	–	3,337	8,427	Other Manufacturing
–	812	–	–	–	–	–	–	–	812	Other Energy
–	2,458	–	–	–	–	–	–	–	2,459	Construction
–	34,160	–	237	–	–	213	–	5	34,615	Transportation
–	298	–	–	–	–	213	–	–	511	Rail
–	27,442	–	237	–	–	–	–	5	27,684	Land
–	4,120	–	–	–	–	–	–	–	4,120	Water
–	2,300	–	–	–	–	–	–	–	2,300	Air
775	7,736	–	8,636	–	–	4,181	1,204	256	22,788	Residential
–	2,037	–	2,657	–	–	7,172	108	47	12,019	Commercial
–	1,343	–	279	–	–	1,658	31	283	3,595	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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	석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total
	1,000 ton	1,000 bbl	1,000 ton	mil. ㎥	GWh			1,000 toe		
국 내 생 산	2,832	–	398	–	5,189	146,779	–	–	3,961	43,745
수 입	73,897	1,102,251	22,341	–	–	–	–	–	–	228,340
(석 유 생 산)	–	922,897	–	–	–	–	–	–	–	129,130
(석 유 수 입)	–	179,354	–	–	–	–	–	–	–	21,669
수 출	–	–262,647	–	–	–	–	–	–	–	–37,886
국 제 벙 커 링	–	–55,632	–	–	–	–	–	–	–	–8,555
재 고 증 감	1,506	9,518	103	–	–	–	–	–	–	2,147
연 초 재 고	8,894	52,106	1,602	–	–	–	–	–	–	12,604
연 말 재 고	–7,388	–42,588	–959	–	–	–	–	–	–	–10,457
통 계 오 차	6,587	–32,410	507	–	–	–	–	–	–	831
1 차 에 너 지 소 비	84,822	761,080	23,350	–	5,189	146,779	–	–	3,961	228,622
에 너 지 전 환	–50,206	–31,189	–23,350	16,963	–5,189	–146,779	332,413	1,530	–65	–57,768
발 전	–50,206	–27,349	–8,359	–259	–5,189	–146,779	364,369	841	–65	–53,784
지 역 난 방	–	–2,444	–685	–73	–	–	–	667	–	–682
가 스 제 조	–	–1,397	–14,077	17,650	–	–	–	–	–	96
자가소비 및 손실	–	–	–229	–355	–	–	–31,956	22	–	–3,397
최 종 에 너 지 소 비	34,616	729,891	–	16,963	–	–	332,413	1,530	3,896	170,854
산 업 부 문	32,606	388,857	–	4,434	–	–	166,813	–	3,222	94,366
농 림 어 업	–	19,089	–	26	–	–	7,007	–	–	3,385
광 업	–	481	–	–	–	–	1,317	–	–	181
제 조 업	32,606	354,277	–	4,408	–	–	158,489	–	3,222	88,485
음식. 담배	50	4,668	–	250	–	–	7,473	–	–	1,624
섬유. 의복	157	6,402	–	379	–	–	13,019	–	–	2,619
목재. 나무	–	325	–	8	–	–	1,499	–	–	187
펄프. 인쇄	–	6,248	–	72	–	–	9,681	–	–	1,883
석유. 화학	180	308,328	–	429	–	–	33,994	–	–	42,490
비 금 속	4,813	6,716	–	339	–	–	9,829	–	–	5,394
1 차 금 속	22,027	4,070	–	926	–	–	28,128	–	–	18,457
비 철 금 속	–	913	–	–	–	–	–	–	–	130
조 립 금 속	–	4,676	–	903	–	–	52,727	–	–	6,150
기 타 제 조	5,378	5,745	–	1,102	–	–	2,138	–	3,222	8,646
기타에너지	–	6,187	–	–	–	–	–	–	–	903
건 설 업	–	15,010	–	–	–	–	–	–	–	2,315
수 송 부 문	–	255,354	–	323	–	–	2,601	–	13	35,559
철 도 운 수	–	1,922	–	–	–	–	2,601	–	–	505
육 상 운 수	–	206,778	–	323	–	–	–	–	13	28,144
수 상 운 수	–	26,278	–	–	–	–	–	–	–	4,092
항 공 운 수	–	20,376	–	–	–	–	–	–	–	2,819
가 정 부 문	2,010	46,880	–	9,070	–	–	50,873	1,358	89	22,500
상 업 부 문	–	28,878	–	2,838	–	–	91,375	133	34	14,361
공 공 부 문	–	9,922	–	298	–	–	20,751	39	538	4,068

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

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석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total	
1,000 toe										
1,274	–	518	–	1,297	36,695	–	–	3,961	43,745	Domestic Production
48,498	150,798	29,044	–	–	–	–	–	–	228,340	Imports
–	129,130	–	–	–	–	–	–	–	129,130	(Petroleum Products)
–	21,669	–	–	–	–	–	–	–	21,669	(Petroleum Imports)
–	–37,886	–	–	–	–	–	–	–	–37,886	Exports
–	–8,555	–	–	–	–	–	–	–	–8,555	Int'l Bunkers
696	1,316	134	–	–	–	–	–	–	2,147	Stock Change(+/–)
4,103	7,119	1,381	–	–	–	–	–	–	12,604	Former Stock
–3,407	–5,803	–1,247	–	–	–	–	–	–	–10,457	Ending Stock
4,320	–4,147	659	–	–	–	–	–	–	831	Statistical Difference
54,788	101,526	30,355	–	1,297	36,695	–	–	3,961	228,622	Primary Consumption
–32,477	–4,808	–30,355	17,811	–1,297	–36,695	28,588	1,530	–65	–57,768	Transformation
–32,477	–4,290	–10,866	–272	–1,297	–36,695	31,336	841	–65	–53,784	Electric Generation
–	–382	–890	–77	–	–	–	667	–	–682	District Heating
–	–136	–18,300	18,532	–	–	–	–	–	96	Gas Manufacturing
–	–	–298	–373	–	–	–2,748	22	–	–3,397	Own Use & Loss
22,311	96,718	–	17,811	–	–	28,588	1,530	3,896	170,854	Final Consumption
21,237	50,905	–	4,656	–	–	14,346	–	3,222	94,366	Industry
–	2,755	–	27	–	–	603	–	–	3,385	Agri. Fishery
–	68	–	–	–	–	113	–	–	181	Mining
21,237	45,767	–	4,628	–	–	13,630	–	3,222	88,485	Manufacturing
33	686	–	262	–	–	643	–	–	1,624	Food Tobacco
104	998	–	398	–	–	1,120	–	–	2,619	Textile & Apparel
–	50	–	9	–	–	129	–	–	187	Wood & Wood Pro.
–	975	–	75	–	–	833	–	–	1,883	Pulp & Publications
119	38,997	–	450	–	–	2,923	–	–	42,490	Petro. Chemical
3,176	1,017	–	356	–	–	845	–	–	5,394	Non-Metallic
14,463	603	–	972	–	–	2,419	–	–	18,457	Iron & Steel
–	130	–	–	–	–	–	–	–	130	Non-ferrous
–	667	–	948	–	–	4,535	–	–	6,150	Fabricated Metal
3,343	741	–	1,157	–	–	184	–	3,222	8,646	Other Manufacturing
–	903	–	–	–	–	–	–	–	903	Other Energy
–	2,315	–	–	–	–	–	–	–	2,315	Construction
–	34,982	–	339	–	–	224	–	13	35,559	Transportation
–	281	–	–	–	–	224	–	–	505	Rail
–	27,791	–	339	–	–	–	–	13	28,144	Land
–	4,092	–	–	–	–	–	–	–	4,092	Water
–	2,819	–	–	–	–	–	–	–	2,819	Air
1,074	6,124	–	9,524	–	–	4,375	1,358	89	22,500	Residential
–	3,313	–	2,979	–	–	7,858	133	34	14,361	Commercial
–	1,393	–	313	–	–	1,785	39	538	4,068	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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	석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total
	1,000 ton	1,000 bbl	1,000 ton	mil. ㎥	GWh			1,000 toe		
국 내 생 산	2,824	–	355	–	5,219	148,749	–	–	4,358	44,582
수 입	76,001	1,141,543	25,222	–	–	–	–	–	–	238,702
(석 유 생 산)	–	949,983	–	–	–	–	–	–	–	132,780
(석 유 수 입)	–	191,560	–	–	–	–	–	–	–	23,279
수 출	–	–289,070	–	–	–	–	–	–	–	–41,574
국 제 벙 커 링	–	–53,849	–	–	–	–	–	–	–	–8,270
재 고 증 감	1,837	–4,138	–977	–	–	–	–	–	–	–1,052
연 초 재 고	7,388	42,663	959	–	–	–	–	–	–	10,469
연 말 재 고	–5,551	–46,801	–1,936	–	–	–	–	–	–	–11,520
통 계 오 차	7,165	–28,966	19	–	–	–	–	–	–	984
1 차 에 너 지 소 비	87,827	765,520	24,619	–	5,219	148,749	–	–	4,358	233,372
에 너 지 전 환	–52,555	–30,921	–24,619	17,504	–5,219	–148,749	348,720	1,425	–266	–59,788
발 전	–52,555	–27,174	–9,860	–19	–5,219	–148,749	381,181	843	–266	–56,254
지 역 난 방	–	–2,917	–619	–91	–	–	–	736	–	–621
가 스 제 조	–	–830	–13,957	17,092	–	–	–	–	–	–278
자가소비 및 손실	–	–	–183	523	–	–	–32,461	–154	–	–2,635
최 종 에 너 지 소 비	35,272	734,599	–	17,504	–	–	348,720	1,425	4,092	173,584
산 업 부 문	32,945	403,696	–	4,616	–	–	174,661	–	3,459	97,235
농 림 어 업	–	18,032	–	26	–	–	7,296	–	–	3,256
광 업	–	627	–	–	–	–	1,393	–	–	209
제 조 업	32,945	367,967	–	4,590	–	–	165,972	–	3,459	91,143
음식. 담배	46	4,326	–	241	–	–	7,636	–	–	1,567
섬유. 의복	157	4,936	–	367	–	–	12,243	–	–	2,302
목재. 나무	–	264	–	15	–	–	1,505	–	–	185
펄프. 인쇄	–	5,599	–	87	–	–	9,776	–	–	1,803
석유. 화학	178	323,678	–	379	–	–	34,937	–	–	44,358
비 금 속	4,738	6,890	–	488	–	–	10,319	–	–	5,559
1 차 금 속	23,774	3,744	–	983	–	–	29,657	–	–	19,631
비 철 금 속	–	955	–	–	–	–	–	–	–	135
조 립 금 속	–	4,370	–	902	–	–	57,694	–	–	6,513
기 타 제 조	4,051	8,116	–	1,127	–	–	2,204	–	3,459	8,363
기타에너지	–	5,088	–	–	–	–	–	–	–	727
건 설 업	–	17,070	–	–	–	–	–	–	–	2,627
수 송 부 문	–	261,140	–	452	–	–	2,534	–	53	36,527
철 도 운 수	–	1,751	–	–	–	–	2,534	–	–	474
육 상 운 수	–	208,999	–	452	–	–	–	–	53	28,588
수 상 운 수	–	28,497	–	–	–	–	–	–	–	4,437
항 공 운 수	–	21,892	–	–	–	–	–	–	–	3,028
가 정 부 문	2,327	36,091	–	9,224	–	–	52,522	1,272	79	21,435
상 업 부 문	–	24,585	–	3,021	–	–	97,277	119	37	14,551
공 공 부 문	–	9,087	–	190	–	–	21,725	34	464	3,836

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석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total	
1,000 toe										
1,271	–	461	–	1,305	37,187	–	–	4,358	44,582	Domestic Production
49,854	156,060	32,788	–	–	–	–	–	–	238,702	Imports
–	132,780	–	–	–	–	–	–	–	132,780	(Petroleum Products)
–	23,279	–	–	–	–	–	–	–	23,279	(Petroleum Imports)
–	–41,574	–	–	–	–	–	–	–	–41,574	Exports
–	–8,270	–	–	–	–	–	–	–	–8,270	Int'l Bunkers
836	–618	–1,270	–	–	–	–	–	–	–1,052	Stock Change(+/–)
3,407	5,815	1,247	–	–	–	–	–	–	10,469	Former Stock
–2,571	–6,432	–2,517	–	–	–	–	–	–	–11,520	Ending Stock
4,726	–3,767	25	–	–	–	–	–	–	984	Statistical Difference
56,687	101,831	32,004	–	1,305	37,187	–	–	4,358	233,372	Primary Consumption
–34,027	–4,793	–32,004	18,379	–1,305	–37,187	29,990	1,425	–266	–59,788	Transformation
–34,027	–4,256	–12,817	–20	–1,305	–37,187	32,782	843	–266	–56,254	Electric Generation
–	–457	–805	–96	–	–	–	736	–	–621	District Heating
–	–81	–18,144	17,947	–	–	–	–	–	–278	Gas Manufacturing
–	–	–238	549	–	–	–2,792	–154	–	–2,635	Own Use & Loss
22,660	97,037	–	18,379	–	–	29,990	1,425	4,092	173,584	Final Consumption
21,434	52,474	–	4,847	–	–	15,021	–	3,459	97,235	Industry
–	2,601	–	28	–	–	627	–	–	3,256	Agri. Fishery
–	89	–	–	–	–	120	–	–	209	Mining
21,434	47,157	–	4,819	–	–	14,274	–	3,459	91,143	Manufacturing
31	627	–	253	–	–	657	–	–	1,567	Food Tobacco
104	759	–	386	–	–	1,053	–	–	2,302	Textile & Apparel
–	40	–	16	–	–	129	–	–	185	Wood & Wood Pro.
–	871	–	92	–	–	841	–	–	1,803	Pulp & Publications
118	40,837	–	398	–	–	3,005	–	–	44,358	Petro. Chemical
3,127	1,032	–	513	–	–	887	–	–	5,559	Non–Metallic
15,507	542	–	1,032	–	–	2,551	–	–	19,631	Iron & Steel
–	135	–	–	–	–	–	–	–	135	Non–ferrous
–	604	–	947	–	–	4,962	–	–	6,513	Fabricated Metal
2,548	983	–	1,184	–	–	190	–	3,459	8,363	Other Manufacturing
–	727	–	–	–	–	–	–	–	727	Other Energy
–	2,627	–	–	–	–	–	–	–	2,627	Construction
–	35,780	–	475	–	–	218	–	53	36,527	Transportation
–	256	–	–	–	–	218	–	–	474	Rail
–	28,059	–	475	–	–	–	–	53	28,588	Land
–	4,437	–	–	–	–	–	–	–	4,437	Water
–	3,028	–	–	–	–	–	–	–	3,028	Air
1,226	4,657	–	9,685	–	–	4,517	1,272	79	21,435	Residential
–	2,857	–	3,173	–	–	8,366	119	37	14,551	Commercial
–	1,270	–	199	–	–	1,868	34	464	3,836	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

11 2007년

	석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total
	1,000 ton	1,000 bbl	1,000 ton	mil. ㎥	GWh			1,000 toe		
국 내 생 산	2,886	–	271	–	5,042	142,937	–	–	4,856	43,503
수 입	84,799	1,165,028	25,568	–	–	–	–	–	–	247,462
(석 유 생 산)	–	955,898	–	–	–	–	–	–	–	133,252
(석 유 수 입)	–	209,130	–	–	–	–	–	–	–	25,331
수 출	–	–292,072	–	–	–	–	–	–	–	–41,911
국 제 벙 커 링	–	–50,543	–	–	–	–	–	–	–	–7,742
재 고 증 감	1,320	2,312	837	–	–	–	–	–	–	1,957
연 초 재 고	5,551	47,038	1,936	–	–	–	–	–	–	11,553
연 말 재 고	–4,231	–44,726	–1,099	–	–	–	–	–	–	–9,596
통 계 오 차	5,123	–29,779	–13	–	–	–	–	–	–	–401
1 차 에 너 지 소 비	94,128	794,945	26,664	–	5,042	142,937	–	–	4,856	242,869
에 너 지 전 환	–57,643	–31,360	–26,664	17,967	–5,042	–142,937	368,605	1,438	–362	–62,326
발 전	–57,643	–28,176	–11,296	–26	–5,042	–142,937	403,124	852	–362	–58,403
지 역 난 방	–	–2,414	–631	–198	–	–	–	752	–	–655
가 스 제 조	–	–770	–14,596	17,786	–	–	–	–	–	–375
자가소비 및 손실	–	–	–141	404	–	–	–34,519	–166	–	–2,893
최 종 에 너 지 소 비	36,485	763,585	–	17,967	–	–	368,605	1,438	4,494	180,543
산 업 부 문	34,394	429,531	–	4,952	–	–	186,252	–	3,699	102,917
농 림 어 업	–	17,802	–	2	–	–	7,795	–	–	3,246
광 업	–	550	–	–	–	–	1,484	–	–	206
제 조 업	28,944	394,535	–	4,951	–	–	176,973	–	–	89,932
음식. 담배	49	3,713	–	391	–	–	7,822	–	–	1,644
섬유. 의복	191	4,436	–	304	–	–	12,017	–	–	2,158
목재. 나무	–	237	–	37	–	–	1,558	–	–	208
펄프. 인쇄	–	4,914	–	122	–	–	9,802	–	–	1,734
석유. 화학	186	352,287	–	720	–	–	36,568	–	–	48,486
비 금 속	5,051	6,708	–	446	–	–	11,105	–	–	5,762
1 차 금 속	21,519	3,375	–	1,156	–	–	32,832	–	–	18,730
비 철 금 속	–	862	–	158	–	–	–	–	–	285
조 립 금 속	–	4,208	–	1,059	–	–	62,983	–	–	7,111
기 타 제 조	1,948	8,503	–	559	–	–	2,286	–	–	3,071
기타에너지	–	5,292	–	–	–	–	–	–	–	742
건 설 업	–	16,645	–	–	–	–	–	–	–	2,564
수 송 부 문	–	268,446	–	583	–	–	2,433	–	97	37,589
철 도 운 수	–	1,607	–	–	–	–	2,433	–	–	444
육 상 운 수	–	216,526	–	583	–	–	–	–	97	29,719
수 상 운 수	–	27,331	–	–	–	–	–	–	–	4,247
항 공 운 수	–	22,981	–	–	–	–	–	–	–	3,179
가 정 부 문	2,091	33,618	–	9,216	–	–	54,174	1,285	69	21,109
상 업 부 문	–	22,909	–	2,946	–	–	102,957	116	40	14,787
공 공 부 문	–	9,082	–	270	–	–	22,790	37	589	4,141

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

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석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total	
1,000 toe										
1,299	–	353	–	1,261	35,734	–	–	4,856	43,503	Domestic Production
55,641	158,583	33,239	–	–	–	–	–	–	247,462	Imports
–	133,252	–	–	–	–	–	–	–	133,252	(Petroleum Products)
–	25,331	–	–	–	–	–	–	–	25,331	(Petroleum Imports)
–	–41,911	–	–	–	–	–	–	–	–41,911	Exports
–	–7,742	–	–	–	–	–	–	–	–7,742	Int'l Bunkers
626	243	1,088	–	–	–	–	–	–	1,957	Stock Change(+/–)
2,571	6,465	2,517	–	–	–	–	–	–	11,553	Former Stock
–1,946	–6,221	–1,429	–	–	–	–	–	–	–9,596	Ending Stock
3,372	–3,756	–17	–	–	–	–	–	–	–401	Statistical Difference
60,937	105,418	34,663	–	1,261	35,734	–	–	4,856	242,869	Primary Consumption
–37,440	–4,869	–34,663	18,865	–1,261	–35,734	31,700	1,438	–362	–62,326	Transformation
–37,440	–4,415	–14,684	–27	–1,261	–35,734	34,669	852	–362	–58,403	Electric Generation
–	–379	–821	–208	–	–	–	752	–	–655	District Heating
–	–75	–18,975	18,675	–	–	–	–	–	–375	Gas Manufacturing
–	–	–183	425	–	–	–2,969	–166	–	–2,893	Own Use & Loss
23,497	100,549	–	18,865	–	–	31,700	1,438	4,494	180,543	Final Consumption
22,373	55,628	–	5,200	–	–	16,018	–	3,699	102,917	Industry
–	2,574	–	2	–	–	670	–	–	3,246	Agri. Fishery
–	78	–	–	–	–	128	–	–	206	Mining
19,103	50,411	–	5,198	–	–	15,220	–	–	89,932	Manufacturing
33	528	–	410	–	–	673	–	–	1,644	Food Tobacco
126	679	–	319	–	–	1,033	–	–	2,158	Textile & Apparel
–	35	–	39	–	–	134	–	–	208	Wood & Wood Pro.
–	763	–	128	–	–	843	–	–	1,734	Pulp & Publications
122	44,463	–	756	–	–	3,145	–	–	48,486	Petro. Chemical
3,334	1,005	–	468	–	–	955	–	–	5,762	Non-Metallic
14,202	491	–	1,213	–	–	2,824	–	–	18,730	Iron & Steel
–	119	–	166	–	–	–	–	–	285	Non-ferrous
–	583	–	1,112	–	–	5,417	–	–	7,111	Fabricated Metal
1,286	1,002	–	587	–	–	197	–	–	3,071	Other Manufacturing
–	742	–	–	–	–	–	–	–	742	Other Energy
–	2,564	–	–	–	–	–	–	–	2,564	Construction
–	36,670	–	612	–	–	209	–	97	37,589	Transportation
–	235	–	–	–	–	209	–	–	444	Rail
–	29,010	–	612	–	–	–	–	97	29,719	Land
–	4,247	–	–	–	–	–	–	–	4,247	Water
–	3,179	–	–	–	–	–	–	–	3,179	Air
1,124	4,296	–	9,677	–	–	4,659	1,285	69	21,109	Residential
–	2,684	–	3,093	–	–	8,854	116	40	14,787	Commercial
–	1,271	–	283	–	–	1,960	37	589	4,141	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector.

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※ 제5차 에너지열량환산 기준 적용

	석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total
	1,000 ton	1,000 bbl	1,000 ton	mil. ㎥	GWh			1,000 toe		
국 내 생 산	2,886	–	271	–	5,042	142,937	–	–	4,828	38,338
수 입	84,799	1,165,028	25,568	–	–	–	–	–	–	246,773
(석 유 생 산)	–	955,898	–	–	–	–	–	–	–	133,828
(석 유 수 입)	–	209,130	–	–	–	–	–	–	–	25,469
수 출	–	–292,072	–	–	–	–	–	–	–	–41,709
국 제 벙 커 링	–	–50,543	–	–	–	–	–	–	–	–7,738
재 고 증 감	1,320	2,312	837	–	–	–	–	–	–	1,995
연 초 재 고	5,551	47,038	1,936	–	–	–	–	–	–	11,645
연 말 재 고	–4,231	–44,726	–1,099	–	–	–	–	–	–	–9,650
통 계 오 차	5,123	–29,779	–13	–	–	–	–	–	–	–1,205
1 차 에 너 지 소 비	94,128	794,945	26,664	–	5,042	142,937	–	–	4,828	236,454
에 너 지 전 환	–57,643	–31,360	–26,664	17,967	–5,042	–142,937	368,605	1,438	–337	–54,999
발 전	–57,643	–28,176	–11,296	–26	–5,042	–142,937	403,124	852	–337	–51,166
지 역 난 방	–	–2,414	–631	–198	–	–	–	752	–	–656
가 스 제 조	–	–770	–14,596	17,786	–	–	–	–	–	–286
자가소비 및 손실	–	–	–141	404	–	–	–34,519	–166	–	–2,891
최 종 에 너 지 소 비	36,485	763,585	–	17,967	–	–	368,605	1,438	4,491	181,455
산 업 부 문	34,394	429,531	–	4,952	–	–	186,252	–	3,699	104,327
농 림 어 업	–	17,802	–	2	–	–	7,795	–	–	3,214
광 업	–	550	–	–	–	–	1,484	–	–	206
제 조 업	28,944	394,535	–	4,951	–	–	176,973	–	–	91,101
음식. 담배	49	3,713	–	391	–	–	7,822	–	–	1,674
섬유. 의복	191	4,436	–	304	–	–	12,017	–	–	2,160
목재. 나무	–	237	–	37	–	–	1,558	–	–	209
펄프. 인쇄	–	4,914	–	122	–	–	9,802	–	–	1,737
석유. 화학	186	352,287	–	720	–	–	36,568	–	–	48,984
비 금 속	5,051	6,708	–	446	–	–	11,105	–	–	5,543
1 차 금 속	21,519	3,375	–	1,156	–	–	32,832	–	–	19,600
비 철 금 속	–	862	–	158	–	–	–	–	–	288
조 립 금 속	–	4,208	–	1,059	–	–	62,983	–	–	7,125
기 타 제 조	1,948	8,503	–	559	–	–	2,286	–	–	3,009
기타에너지	–	5,292	–	–	–	–	–	–	–	772
건 설 업	–	16,645	–	–	–	–	–	–	–	2,537
수 송 부 문	–	268,446	–	583	–	–	2,433	–	96	37,068
철 도 운 수	–	1,607	–	–	–	–	2,433	–	–	441
육 상 운 수	–	216,526	–	583	–	–	–	–	96	29,195
수 상 운 수	–	27,331	–	–	–	–	–	–	–	4,235
항 공 운 수	–	22,981	–	–	–	–	–	–	–	3,197
가 정 부 문	2,091	33,618	–	9,216	–	–	54,174	1,285	69	21,067
상 업 부 문	–	22,909	–	2,946	–	–	102,957	116	39	14,849
공 공 부 문	–	9,082	–	270	–	–	22,790	37	588	4,143

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

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※ Based on the 5th calorific value

석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total	
1,000 toe										
1,342	–	353	–	1,084	30,731	–	–	4,828	38,338	Domestic Production
54,237	159,298	33,239	–	–	–	–	–	–	246,773	Imports
–	133,828	–	–	–	–	–	–	–	133,828	(Petroleum Products)
–	25,469	–	–	–	–	–	–	–	25,469	(Petroleum Imports)
–	–41,709	–	–	–	–	–	–	–	–41,709	Exports
–	–7,738	–	–	–	–	–	–	–	–7,738	Int'l Bunkers
654	253	1,088	–	–	–	–	–	–	1,995	Stock Change(+/–)
2,674	6,453	2,517	–	–	–	–	–	–	11,645	Former Stock
–2,020	–6,200	–1,429	–	–	–	–	–	–	–9,650	Ending Stock
3,421	–4,609	–17	–	–	–	–	–	–	–1,205	Statistical Difference
59,654	105,494	34,663	–	1,084	30,731	–	–	4,828	236,454	Primary Consumption
–35,404	–4,872	–34,663	18,955	–1,084	–30,731	31,700	1,438	–337	–54,999	Transformation
–35,404	–4,418	–14,684	–27	–1,084	–30,731	34,669	852	–337	–51,166	Electric Generation
–	–379	–821	–209	–	–	–	752	–	–656	District Heating
–	–75	–18,975	18,764	–	–	–	–	–	–286	Gas Manufacturing
–	–	–183	427	–	–	–2,969	–166	–	–2,891	Own Use & Loss
24,249	100,622	–	18,955	–	–	31,700	1,438	4,491	181,455	Final Consumption
23,235	56,150	–	5,225	–	–	16,018	–	3,699	104,327	Industry
–	2,542	–	2	–	–	670	–	–	3,214	Agri. Fishery
–	79	–	–	–	–	128	–	–	206	Mining
19,666	50,992	–	5,223	–	–	15,220	–	–	91,101	Manufacturing
31	559	–	412	–	–	673	–	–	1,674	Food Tobacco
118	688	–	320	–	–	1,033	–	–	2,160	Textile & Apparel
–	35	–	39	–	–	134	–	–	209	Wood & Wood Pro.
–	765	–	129	–	–	843	–	–	1,737	Pulp & Publications
115	44,965	–	760	–	–	3,145	–	–	48,984	Petro. Chemical
3,132	987	–	470	–	–	955	–	–	5,543	Non-Metallic
15,063	494	–	1,219	–	–	2,824	–	–	19,600	Iron & Steel
–	121	–	167	–	–	–	–	–	288	Non-ferrous
–	591	–	1,117	–	–	5,417	–	–	7,125	Fabricated Metal
1,208	1,015	–	589	–	–	197	–	–	3,009	Other Manufacturing
–	772	–	–	–	–	–	–	–	772	Other Energy
–	2,537	–	–	–	–	–	–	–	2,537	Construction
–	36,149	–	615	–	–	209	–	96	37,068	Transportation
–	231	–	–	–	–	209	–	–	441	Rail
–	28,485	–	615	–	–	–	–	96	29,195	Land
–	4,235	–	–	–	–	–	–	–	4,235	Water
–	3,197	–	–	–	–	–	–	–	3,197	Air
1,014	4,318	–	9,723	–	–	4,659	1,285	69	21,067	Residential
–	2,731	–	3,108	–	–	8,854	116	39	14,849	Commercial
–	1,274	–	285	–	–	1,960	37	588	4,143	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector.

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※ 제5차 에너지열량환산 기준 적용

	석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total
	1,000 ton	1,000 bbl	1,000 ton	mil. ㎥	GWh			1,000 toe		
국 내 생 산	2,773	–	181	–	5,563	150,958	–	–	5,198	40,376
수 입	96,425	1,163,363	27,259	–	–	–	–	–	–	255,509
(석 유 생 산)	–	938,749	–	–	–	–	–	–	–	130,998
(석 유 수 입)	–	224,614	–	–	–	–	–	–	–	27,409
수 출	–	–333,764	–	–	–	–	–	–	–	–47,472
국 제 벙 커 링	–	–50,610	–	–	–	–	–	–	–	–7,754
재 고 증 감	1,434	4,692	–1,458	–	–	–	–	–	–	–567
연 초 재 고	4,231	44,726	1,099	–	–	–	–	–	–	9,650
연 말 재 고	–2,797	–40,034	–2,558	–	–	–	–	–	–	–10,216
통 계 오 차	3,566	–23,041	1,458	–	–	–	–	–	–	660
1 차 에 너 지 소 비	104,198	760,641	27,439	–	5,563	150,958	–	–	5,198	240,752
에 너 지 전 환	–64,751	–19,701	–27,439	18,734	–5,563	–150,958	385,070	1,512	–451	–58,176
발 전	–64,751	–15,765	–11,175	–168	–5,563	–150,958	422,355	961	–451	–53,834
지 역 난 방	–	–1,727	–603	–335	–	–	–	629	–	–779
가 스 제 조	–	–2,208	–15,489	18,921	–	–	–	–	–	–389
자가소비 및 손실	–	–	–173	317	–	–	–37,285	–78	–	–3,174
최 종 에 너 지 소 비	39,447	740,940	–	18,734	–	–	385,070	1,512	4,747	182,576
산 업 부 문	37,158	421,209	–	5,624	–	–	194,630	–	3,912	106,458
농 림 어 업	–	14,942	–	6	–	–	8,389	–	–	2,860
광 업	–	496	–	–	–	–	1,446	–	–	195
제 조 업	31,192	390,200	–	5,618	–	–	184,795	–	–	93,220
음식. 담배	46	2,653	–	458	–	–	7,786	–	–	1,577
섬유. 의복	140	3,409	–	424	–	–	11,717	–	–	2,068
목재. 나무	–	201	–	42	–	–	1,585	–	–	210
펄프. 인쇄	–	3,852	–	183	–	–	9,791	–	–	1,634
석유. 화학	180	350,839	–	1,097	–	–	38,990	–	–	49,231
비 금 속	5,236	6,235	–	395	–	–	11,408	–	–	5,567
1 차 금 속	23,568	2,957	–	1,184	–	–	33,842	–	–	21,092
비 철 금 속	–	731	–	176	–	–	–	–	–	289
조 립 금 속	–	4,475	–	1,234	–	–	67,376	–	–	7,728
기 타 제 조	2,022	8,924	–	424	–	–	2,301	–	–	2,958
기타에너지	–	5,926	–	–	–	–	–	–	–	866
건 설 업	–	15,570	–	–	–	–	–	–	–	2,366
수 송 부 문	–	258,279	–	736	–	–	2,277	–	178	35,793
철 도 운 수	–	1,583	–	0	–	–	2,277	–	–	424
육 상 운 수	–	210,309	–	736	–	–	–	–	178	28,532
수 상 운 수	–	24,288	–	–	–	–	–	–	–	3,762
항 공 운 수	–	22,098	–	–	–	–	–	–	–	3,074
가 정 부 문	2,289	32,366	–	9,122	–	–	56,228	1,351	65	21,132
상 업 부 문	–	20,682	–	2,975	–	–	108,229	125	36	15,093
공 공 부 문	–	8,405	–	277	–	–	23,805	36	557	4,108

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

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※ Based on the 5th calorific value

석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total	
1,000 toe										
1,289	–	236	–	1,196	32,456	–	–	5,198	40,376	Domestic Production
61,665	158,407	35,436	–	–	–	–	–	–	255,509	Imports
–	130,998	–	–	–	–	–	–	–	130,998	(Petroleum Products)
–	27,409	–	–	–	–	–	–	–	27,409	(Petroleum Imports)
–	–47,472	–	–	–	–	–	–	–	–47,472	Exports
–	–7,754	–	–	–	–	–	–	–	–7,754	Int'l Bunkers
697	633	–1,896	–	–	–	–	–	–	–567	Stock Change(+/–)
2,020	6,200	1,429	–	–	–	–	–	–	9,650	Former Stock
–1,323	–5,568	–3,325	–	–	–	–	–	–	–10,216	Ending Stock
2,409	–3,644	1,895	–	–	–	–	–	–	660	Statistical Difference
66,060	100,170	35,671	–	1,196	32,456	–	–	5,198	240,752	Primary Consumption
–39,842	–2,953	–35,671	19,765	–1,196	–32,456	33,116	1,512	–451	–58,176	Transformation
–39,842	–2,467	–14,528	–177	–1,196	–32,456	36,323	961	–451	–53,834	Electric Generation
–	–271	–784	–354	–	–	–	629	–	–779	District Heating
–	–251	–20,135	19,962	–	–	–	–	–	–389	Gas Manufacturing
–	–	–224	334	–	–	–3,207	–78	–	–3,174	Own Use & Loss
26,219	97,217	–	19,765	–	–	33,116	1,512	4,747	182,576	Final Consumption
25,130	54,745	–	5,933	–	–	16,738	–	3,912	106,458	Industry
–	2,132	–	6	–	–	721	–	–	2,860	Agri. Fishery
–	71	–	–	–	–	124	–	–	195	Mining
21,225	50,176	–	5,927	–	–	15,892	–	–	93,220	Manufacturing
29	395	–	484	–	–	670	–	–	1,577	Food Tobacco
87	526	–	448	–	–	1,008	–	–	2,068	Textile & Apparel
–	30	–	44	–	–	136	–	–	210	Wood & Wood Pro.
–	598	–	193	–	–	842	–	–	1,634	Pulp & Publications
112	44,609	–	1,157	–	–	3,353	–	–	49,231	Petro. Chemical
3,246	923	–	417	–	–	981	–	–	5,567	Non-Metallic
16,498	435	–	1,249	–	–	2,910	–	–	21,092	Iron & Steel
–	103	–	186	–	–	–	–	–	289	Non-ferrous
–	631	–	1,302	–	–	5,794	–	–	7,728	Fabricated Metal
1,254	1,059	–	447	–	–	198	–	–	2,958	Other Manufacturing
–	866	–	–	–	–	–	–	–	866	Other Energy
–	2,366	–	–	–	–	–	–	–	2,366	Construction
–	34,642	–	777	–	–	196	–	178	35,793	Transportation
–	228	–	–	–	–	196	–	–	424	Rail
–	27,578	–	777	–	–	–	–	178	28,532	Land
–	3,762	–	–	–	–	–	–	–	3,762	Water
–	3,074	–	–	–	–	–	–	–	3,074	Air
1,088	4,167	–	9,624	–	–	4,835	1,351	65	21,132	Residential
–	2,487	–	3,138	–	–	9,308	125	36	15,093	Commercial
–	1,175	–	292	–	–	2,048	36	557	4,108	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector.

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※ 제5차 에너지열량환산 기준 적용

	석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total
	1,000 ton	1,000 bbl	1,000 ton	mil. ㎥	GWh			1,000 toe		
국 내 생 산	2,519	–	383	–	5,641	147,771	–	–	5,480	40,133
수 입	99,420	1,180,868	25,822	–	–	–	–	–	–	257,143
(석 유 생 산)	–	912,654	–	–	–	–	–	–	–	126,850
(석 유 수 입)	–	268,214	–	–	–	–	–	–	–	33,294
수 출	–	–330,912	–	–	–	–	–	–	–	–46,758
국 제 벙 커 링	–	–45,473	–	–	–	–	–	–	–	–6,985
재 고 증 감	559	2,569	809	–	–	–	–	–	–	1,658
연 초 재 고	2,797	40,205	2,558	–	–	–	–	–	–	10,241
연 말 재 고	–2,238	–37,636	–1,749	–	–	–	–	–	–	–8,584
통 계 오 차	5,881	–28,573	–931	–	–	–	–	–	–	–1,880
1 차 에 너 지 소 비	108,378	778,480	26,083	–	5,641	147,771	–	–	5,480	243,311
에 너 지 전 환	–72,451	–26,246	–26,083	18,445	–5,641	–147,771	394,474	1,551	–613	–61,245
발 전	–72,451	–21,813	–9,705	–151	–5,641	–147,771	433,604	953	–613	–56,256
지 역 난 방	–	–1,985	–524	–810	–	–	–	683	–	–1,164
가 스 제 조	–	–2,449	–15,634	19,239	–	–	–	–	–	–265
자가소비 및 손실	–	–	–220	166	–	–	–39,130	–85	–	–3,561
최 종 에 너 지 소 비	35,927	752,234	–	18,445	–	–	394,474	1,551	4,867	182,066
산 업 부 문	33,986	434,938	–	5,584	–	–	197,743	–	3,876	106,119
농 림 어 업	–	15,720	–	4	–	–	9,145	–	–	3,035
광 업	–	558	–	–	–	–	1,350	–	–	196
제 조 업	27,511	400,511	–	5,579	–	–	187,249	–	–	91,999
음식. 담배	49	2,490	–	488	–	–	7,990	–	–	1,601
섬유. 의복	141	2,865	–	423	–	–	11,543	–	–	1,967
목재. 나무	–	216	–	60	–	–	1,589	–	–	231
펄프. 인쇄	–	3,213	–	222	–	–	9,611	–	–	1,559
석유. 화학	188	364,753	–	1,021	–	–	40,063	–	–	50,905
비 금 속	4,463	5,622	–	419	–	–	11,230	–	–	5,008
1 차 금 속	20,734	1,824	–	1,175	–	–	35,149	–	–	19,045
비 철 금 속	–	618	–	208	–	–	–	–	–	305
조 립 금 속	–	3,767	–	1,094	–	–	67,894	–	–	7,520
기 타 제 조	1,936	8,976	–	470	–	–	2,179	–	–	2,953
기타에너지	–	6,166	–	–	–	–	–	–	–	903
건 설 업	–	18,148	–	0	–	–	–	–	–	2,772
수 송 부 문	–	258,356	–	910	–	–	2,174	–	254	35,930
철 도 운 수	–	1,396	–	–	–	–	2,174	–	–	388
육 상 운 수	–	212,608	–	910	–	–	–	–	254	29,030
수 상 운 수	–	21,419	–	–	–	–	–	–	–	3,321
항 공 운 수	–	22,932	–	–	–	–	–	–	–	3,191
가 정 부 문	1,941	30,266	–	8,784	–	–	57,596	1,388	129	20,537
상 업 부 문	–	19,650	–	2,905	–	–	112,098	120	33	15,185
공 공 부 문	–	9,024	–	262	–	–	24,862	42	575	4,295

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

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※ Based on the 5th calorific value

석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total	
1,000 toe										
1,171	–	498	–	1,213	31,771	–	–	5,480	40,133	Domestic Production
63,431	160,144	33,568	–	–	–	–	–	–	257,143	Imports
–	126,850	–	–	–	–	–	–	–	126,850	(Petroleum Products)
–	33,294	–	–	–	–	–	–	–	33,294	(Petroleum Imports)
–	–46,758	–	–	–	–	–	–	–	–46,758	Exports
–	–6,985	–	–	–	–	–	–	–	–6,985	Int'l Bunkers
261	345	1,052	–	–	–	–	–	–	1,658	Stock Change(+/–)
1,323	5,593	3,325	–	–	–	–	–	–	10,241	Former Stock
–1,063	–5,248	–2,273	–	–	–	–	–	–	–8,584	Ending Stock
3,741	–4,410	–1,211	–	–	–	–	–	–	–1,880	Statistical Difference
68,604	102,336	33,908	–	1,213	31,771	–	–	5,480	243,311	Primary Consumption
–44,709	–3,967	–33,908	19,459	–1,213	–31,771	33,925	1,551	–613	–61,245	Transformation
–44,709	–3,417	–12,617	–159	–1,213	–31,771	37,290	953	–613	–56,256	Electric Generation
–	–311	–681	–855	–	–	–	683	–	–1,164	District Heating
–	–239	–20,324	20,298	–	–	–	–	–	–265	Gas Manufacturing
–	–	–286	176	–	–	–3,365	–85	–	–3,561	Own Use & Loss
23,895	98,369	–	19,459	–	–	33,925	1,551	4,867	182,066	Final Consumption
22,955	56,391	–	5,891	–	–	17,006	–	3,876	106,119	Industry
–	2,244	–	4	–	–	786	–	–	3,035	Agri. Fishery
–	80	–	–	–	–	116	–	–	196	Mining
18,715	51,294	–	5,886	–	–	16,103	–	–	91,999	Manufacturing
30	369	–	515	–	–	687	–	–	1,601	Food Tobacco
88	441	–	447	–	–	993	–	–	1,967	Textile & Apparel
–	32	–	63	–	–	137	–	–	231	Wood & Wood Pro.
–	498	–	235	–	–	827	–	–	1,559	Pulp & Publications
116	46,266	–	1,077	–	–	3,445	–	–	50,905	Petro. Chemical
2,767	833	–	442	–	–	966	–	–	5,008	Non-Metallic
14,514	269	–	1,239	–	–	3,023	–	–	19,045	Iron & Steel
–	85	–	220	–	–	–	–	–	305	Non-ferrous
–	527	–	1,154	–	–	5,839	–	–	7,520	Fabricated Metal
1,200	1,070	–	496	–	–	187	–	–	2,953	Other Manufacturing
–	903	–	–	–	–	–	–	–	903	Other Energy
–	2,772	–	0	–	–	–	–	–	2,772	Construction
–	34,529	–	960	–	–	187	–	254	35,930	Transportation
–	201	–	–	–	–	187	–	–	388	Rail
–	27,816	–	960	–	–	–	–	254	29,030	Land
–	3,321	–	–	–	–	–	–	–	3,321	Water
–	3,191	–	–	–	–	–	–	–	3,191	Air
940	3,860	–	9,267	–	–	4,953	1,388	129	20,537	Residential
–	2,327	–	3,065	–	–	9,640	120	33	15,185	Commercial
–	1,263	–	277	–	–	2,138	42	575	4,295	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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※ 제5차 에너지열량환산 기준 적용

	석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total
	1,000 ton	1,000 bbl	1,000 ton	mil. ㎥	GWh			1,000 toe		
국내생산	2,084	–	415	–	6,472	148,596	–	–	6,064	40,912
수입	113,502	1,215,775	32,603	–	–	–	–	–	–	279,649
(석유생산)	–	938,926	–	–	–	–	–	–	–	130,463
(석유수입)	–	276,849	–	–	–	–	–	–	–	34,226
수출	–	–341,784	–	–	–	–	–	–	–	–48,224
국제벙커링	–	–49,341	–	–	–	–	–	–	–	–7,569
재고증감	385	–3,830	–919	–	–	–	–	–	–	–1,532
연초재고	2,238	37,634	1,749	–	–	–	–	–	–	8,583
연말재고	–1,853	–41,464	–2,667	–	–	–	–	–	–	–10,116
통계오차	5,059	–26,541	984	–	–	–	–	–	–	568
1차에너지소비	121,029	794,278	33,083	–	6,472	148,596	–	–	6,064	263,805
에너지전환	–77,513	–26,892	–32,653	19,982	–6,472	–148,596	434,160	1,718	–718	–68,218
발전	–77,513	–19,967	–14,268	–874	–6,472	–148,596	474,552	1,073	–718	–62,696
지역난방	–	–2,021	–651	–1,097	–	–	–	713	–	–1,609
가스제조	–	–4,904	–17,522	21,118	–	–	–	–	–	–976
자가소비 및 손실	–	–	–213	835	–	–	–40,392	–68	–	–2,937
최종에너지소비	43,516	767,386	430	19,982	–	–	434,160	1,718	5,346	195,587
산업부문	41,657	442,511	430	6,947	–	–	223,171	–	4,215	116,910
농림어업	–	16,348	–	4	–	–	10,042	–	–	3,201
광업	–	662	–	0	–	–	1,683	–	–	240
제조업	34,252	408,260	430	6,942	–	–	211,447	–	–	101,780
음식.담배	50	2,281	–	567	–	–	8,737	–	–	1,713
섬유.의복	156	2,569	–	512	–	–	12,362	–	–	2,095
목재.나무	–	244	–	50	–	–	1,754	–	–	240
펄프.인쇄	–	2,551	–	288	–	–	10,019	–	–	1,560
석유.화학	208	371,430	189	1,563	–	–	43,213	–	–	52,938
비금속	4,564	6,045	–	432	–	–	11,620	–	–	5,176
1차금속	27,210	2,011	241	1,384	–	–	41,834	–	–	24,696
비철금속	–	648	–	195	–	–	–	–	–	294
조립금속	–	3,939	–	1,293	–	–	79,490	–	–	8,751
기타제조	2,063	10,122	–	658	–	–	2,418	–	–	3,375
기타에너지	–	6,420	–	–	–	–	–	–	–	941
건설업	–	17,241	–	0	–	–	–	–	–	2,624
수송부문	–	263,945	–	1,054	–	–	2,191	–	357	36,938
철도운수	–	1,355	–	–	–	–	2,191	–	–	383
육상운수	–	216,601	–	1,054	–	–	–	–	357	29,820
수상운수	–	21,174	–	–	–	–	–	–	–	3,282
항공운수	–	24,815	–	–	–	–	–	–	–	3,453
가정부문	1,859	31,674	–	8,878	–	–	61,194	1,531	72	21,186
상업부문	–	19,978	–	2,960	–	–	120,619	145	33	16,071
공공부문	–	9,279	–	144	–	–	26,985	42	669	4,483

주 : 상업부문의 무연탄(연탄) 소비는 가정부문에 포함.

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※ Based on the 5th calorific value

석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total	
1,000 toe										
969	–	539	–	1,391	31,948	–	–	6,064	40,912	Domestic Production
72,576	164,689	42,384	–	–	–	–	–	–	279,649	Imports
–	130,463	–	–	–	–	–	–	–	130,463	(Petroleum Products)
–	34,226	–	–	–	–	–	–	–	34,226	(Petroleum Imports)
–	–48,224	–	–	–	–	–	–	–	–48,224	Exports
–	–7,569	–	–	–	–	–	–	–	–7,569	Int' l Bunkers
187	–525	–1,194	–	–	–	–	–	–	–1,532	Stock Change(+/–)
1,063	5,247	2,273	–	–	–	–	–	–	8,583	Former Stock
–876	–5,773	–3,467	–	–	–	–	–	–	–10,116	Ending Stock
3,360	–4,070	1,279	–	–	–	–	–	–	568	Statistical Difference
77,092	104,301	43,008	–	1,391	31,948	–	–	6,064	263,805	Primary Consumption
–47,928	–3,920	–42,449	21,081	–1,391	–31,948	37,338	1,718	–718	–68,218	Transformation
–47,928	–3,125	–18,548	–922	–1,391	–31,948	40,811	1,073	–718	–62,696	Electric Generation
–	–317	–847	–1,157	–	–	–	713	–	–1,609	District Heating
–	–478	–22,778	22,280	–	–	–	–	–	–976	Gas Manufacturing
–	–	–276	881	–	–	–3,474	–68	–	–2,937	Own Use & Loss
29,164	100,381	559	21,081	–	–	37,338	1,718	5,346	195,587	Final Consumption
28,264	57,351	559	7,329	–	–	19,193	–	4,215	116,910	Industry
–	2,333	–	5	–	–	864	–	–	3,201	Agri. Fishery
–	95	–	0	–	–	145	–	–	240	Mining
22,413	52,300	559	7,324	–	–	18,184	–	–	101,780	Manufacturing
31	333	–	598	–	–	751	–	–	1,713	Food Tobacco
97	395	–	540	–	–	1,063	–	–	2,095	Textile & Apparel
–	36	–	53	–	–	151	–	–	240	Wood & Wood Pro.
–	395	–	304	–	–	862	–	–	1,560	Pulp & Publications
129	47,198	246	1,648	–	–	3,716	–	–	52,938	Petro. Chemical
2,830	891	–	456	–	–	999	–	–	5,176	Non-Metallic
19,047	278	313	1,460	–	–	3,598	–	–	24,696	Iron & Steel
–	89	–	206	–	–	–	–	–	294	Non-ferrous
–	551	–	1,364	–	–	6,836	–	–	8,751	Fabricated Metal
1,279	1,193	–	694	–	–	208	–	–	3,375	Other Manufacturing
–	941	–	–	–	–	–	–	–	941	Other Energy
–	2,623	–	0	–	–	–	–	–	2,624	Construction
–	35,282	–	1,112	–	–	188	–	357	36,938	Transportation
–	195	–	–	–	–	188	–	–	383	Rail
–	28,352	–	1,112	–	–	–	–	357	29,820	Land
–	3,282	–	–	–	–	–	–	–	3,282	Water
–	3,453	–	–	–	–	–	–	–	3,453	Air
901	4,053	–	9,366	–	–	5,263	1,531	72	21,186	Residential
–	2,397	–	3,123	–	–	10,373	145	33	16,071	Commercial
–	1,299	–	152	–	–	2,321	42	669	4,483	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector.

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※ 제5차 에너지열량환산 기준 적용

	석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total
	1,000 ton	1,000 bbl	1,000 ton	mil. ㎥	GWh			1,000 toe		
국 내 생 산	2,084	–	347	–	7,978	150,164	–	–	6,618	42,039
수 입	124,935	1,281,517	36,685	–	–	–	–	–	–	301,425
(석 유 생 산)	–	1,002,257	0	–	–	–	–	–	–	139,518
(석 유 수 입)	–	279,260	0	–	–	–	–	–	–	34,357
수 출	–	–408,338	0	–	–	–	–	–	–	–57,541
국 제 벙 커 링	–	–49,131	–	–	–	–	–	–	–	–7,522
재 고 증 감	1,077	615	–616	–	–	–	–	–	–	–204
연 초 재 고	2,797	41,756	2,708	–	–	–	–	–	–	10,657
연 말 재 고	–1,720	–41,141	–3,323	–	–	–	–	–	–	–10,861
통 계 오 차	2,764	–23,021	–813	–	–	–	–	–	–	–2,510
1 차 에 너 지 소 비	130,860	801,643	35,603	–	7,978	150,164	–	–	6,618	275,688
에 너 지 전 환	–80,936	–22,743	–34,987	21,679	–7,978	–150,164	455,070	1,702	–784	–69,824
발 전	–80,936	–14,435	–14,759	–880	–7,978	–150,164	495,986	1,096	–784	–63,499
지 역 난 방	–	–1,709	–1,760	–392	–	–	–	666	–	–2,304
가 스 제 조	–	–6,599	–18,255	22,727	–	–	–	–	–	–401
자가소비 및 손실	–	–	–214	224	–	–	–40,916	–60	–	–3,621
최 종 에 너 지 소 비	49,924	778,899	616	21,679	–	–	455,070	1,702	5,834	205,864
산 업 부 문	48,102	459,610	616	7,946	–	–	242,204	–	4,564	126,886
농 림 어 업	–	15,207	–	4	–	–	10,575	–	–	3,082
광 업	–	653	–	–	–	–	1,928	–	–	260
제 조 업	39,285	427,143	616	7,942	–	–	229,701	–	–	110,654
음 식. 담 배	49	1,486	–	626	–	–	9,268	–	–	1,704
섬 유. 의 복	167	1,776	–	557	–	–	12,779	–	–	2,060
목 재. 나 무	–	191	–	46	–	–	1,780	–	–	230
펄 프. 인 쇄	–	1,440	–	382	–	–	10,301	–	–	1,510
석 유. 화 학	212	395,804	359	2,092	–	–	48,142	–	–	57,442
비 금 속	5,046	5,712	–	449	–	–	11,822	–	–	5,498
1 차 금 속	31,762	1,747	257	1,320	–	–	46,226	–	–	28,167
비 철 금 속	–	586	–	243	–	–	–	–	–	338
조 립 금 속	–	4,173	–	1,568	–	–	86,903	–	–	9,717
기 타 제 조	2,049	9,178	–	658	–	–	2,480	–	–	3,271
기타에너지	–	5,050	–	–	–	–	–	–	–	718
건 설 업	–	16,608	–	1	–	–	–	–	–	2,551
수 송 부 문	–	262,621	–	1,113	–	–	2,246	–	336	36,875
철 도 운 수	–	1,232	–	–	–	–	2,246	–	–	371
육 상 운 수	–	214,780	–	1,113	–	–	–	–	336	29,672
수 상 운 수	–	21,692	–	–	–	–	–	–	–	3,366
항 공 운 수	–	24,917	–	–	–	–	–	–	–	3,467
가 정 부 문	1,822	29,362	–	9,597	–	–	61,564	1,512	84	21,621
상 업 부 문	–	18,445	–	2,916	–	–	121,668	149	38	15,921
공 공 부 문	–	8,861	–	106	–	–	27,387	41	811	4,560

주 : 상업부문의 무연탄(연탄) 소비는 가정부문에 포함.

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※ Based on the 5th calorific value

석 탄 Coal	석 유 Oil	천연가스 L N G	도시가스 Town Gas	수 력 Hydro	원자력 Nuclear	전 력 Electricity	열에너지 Heat	신재생 에너지 Renewable Energy	합 계 Total	
1,000 toe										
969	–	451	–	1,715	32,285	–	–	6,618	42,039	Domestic Production
79,861	173,875	47,690	–	–	–	–	–	–	301,425	Imports
–	139,518	–	–	–	–	–	–	–	139,518	(Petroleum Products)
–	34,357	–	–	–	–	–	–	–	34,357	(Petroleum Imports)
–	–57,541	–	–	–	–	–	–	–	–57,541	Exports
–	–7,522	–	–	–	–	–	–	–	–7,522	Int' l Bunkers
513	84	–800	–	–	–	–	–	–	–204	Stock Change(+/–)
1,323	5,814	3,520	–	–	–	–	–	–	10,657	Former Stock
–811	–5,730	–4,320	–	–	–	–	–	–	–10,861	Ending Stock
2,298	–3,750	–1,057	–	–	–	–	–	–	–2,510	Statistical Difference
83,640	105,146	46,284	–	1,715	32,285	–	–	6,618	275,688	Primary Consumption
–50,096	–3,169	–45,483	22,871	–1,715	–32,285	39,136	1,702	–784	–69,824	Transformation
–50,096	–2,254	–19,186	–928	–1,715	–32,285	42,655	1,096	–784	–63,499	Electric Generation
–	–269	–2,288	–413	–	–	–	666	–	–2,304	District Heating
–	–646	–23,731	23,977	–	–	–	–	–	–401	Gas Manufacturing
–	–	–278	236	–	–	–3,519	–60	–	–3,621	Own Use & Loss
33,544	101,976	801	22,871	–	–	39,136	1,702	5,834	205,864	Final Consumption
32,673	59,635	801	8,384	–	–	20,830	–	4,564	126,886	Industry
–	2,168	–	4	–	–	909	–	–	3,082	Agri. Fishery
–	95	–	–	–	–	166	–	–	260	Mining
26,898	54,822	801	8,379	–	–	19,754	–	–	110,654	Manufacturing
30	217	–	660	–	–	797	–	–	1,704	Food Tobacco
103	270	–	588	–	–	1,099	–	–	2,060	Textile & Apparel
–	28	–	49	–	–	153	–	–	230	Wood & Wood Pro.
–	222	–	403	–	–	886	–	–	1,510	Pulp & Publications
131	50,497	467	2,207	–	–	4,140	–	–	57,442	Petro. Chemical
3,129	878	–	474	–	–	1,017	–	–	5,498	Non-Metallic
22,233	231	334	1,392	–	–	3,975	–	–	28,167	Iron & Steel
–	81	–	257	–	–	–	–	–	338	Non-ferrous
–	588	–	1,655	–	–	7,474	–	–	9,717	Fabricated Metal
1,271	1,092	–	695	–	–	213	–	–	3,271	Other Manufacturing
–	718	–	–	–	–	–	–	–	718	Other Energy
–	2,550	–	1	–	–	–	–	–	2,551	Construction
–	35,172	–	1,174	–	–	193	–	336	36,875	Transportation
–	177	–	–	–	–	193	–	–	371	Rail
–	28,162	–	1,174	–	–	–	–	336	29,672	Land
–	3,366	–	–	–	–	–	–	–	3,366	Water
–	3,467	–	–	–	–	–	–	–	3,467	Air
871	3,735	–	10,125	–	–	5,295	1,512	84	21,621	Residential
–	2,194	–	3,076	–	–	10,463	149	38	15,921	Commercial
–	1,240	–	112	–	–	2,355	41	811	4,560	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector.

Ⅱ. 석 유

Petroleum

1. 석유수급
Petroleum Overview

2. 원유 수급
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2-6. 정유 현황 Refinery Capacities

3. 석유제품 수급
Petroleum Products Demand and Supply

3-1. 생 산 Production
3-2. 수 입 Imports
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3-4. 소 비 Consumption
3-4-1. 휘발유 Gasoline
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3-4-5. 액화석유가스 Liquefied Petroleum Gases(LPG)
3-4-6. 납 사 Naphtha
3-5. 부문별 석유제품 소비(2011) Petroleum Products Consumption by Sector(2011)

4. 석유제품 소비자가격
Retail Prices of Petroleum Products

1 석유 수급

단위 : 천 배럴

	원 유 Crude Oil				기타원료[1] Others
	국내 생산 Domestic Production	수 입 Imports	원유처리량 Refinery Runs	재 고 Stocks	수 입 Imports
1981	–	182,814	178,322	10,856	–
1982	–	178,369	173,044	10,367	–
1983	–	192,969	190,643	8,132	–
1984	–	199,681	201,937	–	–
1985	–	198,313	201,131	5,696	–
1986	–	230,063	209,729	9,737	–
1987	–	216,163	210,914	7,610	–
1988	–	261,079	256,420	9,427	–
1989	–	296,411	296,722	4,988	–
1990	–	308,368	307,281	6,923	–
1991	–	399,303	412,787	4,644	–
1992	–	509,378	510,619	5,402	2,704
1993	–	560,563	843,967	7,428	5,670
1994	–	573,714	560,866	17,323	13,199
1995	–	624,945	631,080	10,376	19,075
1996	–	721,927	720,846	11,296	15,795
1997	–	873,415	871,974	12,979	4,261
1998	–	819,094	825,890	11,313	3,470
1999	–	874,090	872,742	11,147	7,230
2000	–	893,943	890,304	11,691	5,866
2001	–	859,367	860,115	12,645	8,870
2002	–	790,992	786,805	10,177	9,496
2003	–	804,809	782,951	14,339	7,685
2004	–	825,790	826,551	15,202	4,884
2005	407	843,203	852,439	15,804	8,124
2006	333	888,794	878,395	16,990	3,502
2007	236	872,541	882,117	18,364	1,133
2008	155	864,872	865,663	10,723	1,787
2009	321	835,085	838,475	7,244	1,923
2010	380	872,415	872,247	7,611	2,251
2011	285	927,044	924,441	10,980	1,691

주 : 1) 정제원료(반제품), 첨가제, 산소성분.
2) 전환부문 소비량을 포함한 1차에너지 소비량임.
자료 : 한국석유공사.

1 Petroleum Overview

Unit : Thousand barrel

석유제품 Petroleum Products						
생 산 Production	수 입 Imports	수 출 Exports	국제벙커링 International Bunkering	소 비[2] Consumption	재 고 Stocks	
173,793	13,161	3,084	2,068	180,053	10,904	1981
170,595	19,790	6,904	1,843	178,893	10,456	1982
188,667	21,697	16,421	1,985	189,308	9,991	1983
200,997	24,393	24,053	6,510	191,049	...	1984
197,559	24,095	26,440	4,556	189,191	10,611	1985
206,750	31,543	27,261	7,652	200,591	11,567	1986
208,662	48,336	32,511	10,574	210,511	10,134	1987
252,196	41,947	31,247	12,973	250,558	12,718	1988
292,062	49,270	34,802	15,817	287,146	13,511	1989
304,496	101,248	27,184	15,115	356,349	16,551	1990
408,215	110,041	69,744	20,714	424,666	20,233	1991
504,560	137,011	91,653	26,099	514,224	30,829	1992
539,986	167,759	103,493	30,539	564,575	33,934	1993
568,452	190,790	93,132	33,304	621,498	36,352	1994
643,422	205,428	122,620	37,092	677,210	37,636	1995
724,128	215,124	158,329	42,080	721,065	42,480	1996
897,342	185,811	231,050	46,130	793,899	48,785	1997
864,845	175,895	296,682	45,991	670,278	46,427	1998
897,373	184,490	297,899	49,048	719,657	42,785	1999
911,761	204,301	306,293	46,468	742,557	49,685	2000
892,844	204,781	295,010	46,330	743,667	49,356	2001
858,363	228,557	239,127	46,466	762,868	43,256	2002
826,247	219,897	209,079	53,139	762,941	41,983	2003
886,413	195,110	235,506	58,387	752,329	50,569	2004
922,897	179,354	262,647	55,632	761,080	42,588	2005
949,983	191,560	289,070	53,849	765,521	46,801	2006
955,898	209,130	292,072	50,543	794,946	44,726	2007
938,749	224,614	333,764	50,610	760,641	40,034	2008
912,654	268,214	330,912	45,473	778,480	37,636	2009
938,926	276,849	341,784	49,341	794,278	41,464	2010
1,002,257	279,260	408,338	49,131	801,643	41,141	2011

Notes : 1) Refinery feedstocks, additives and oxygenates.
2) Primary energy consumption.
Source : Korea National Oil Corporation.

2 원유 수급

2-1. 수입

단위 : 천 배럴

	합 계 Total	중 동 Middle East					아 시 아 Asia				
		소 계 Sub-total	장기계약 Long-term Contracts	현 물 Spots	임가공 Processing	개발도입 Development	소 계 Sub-total	장기계약 Long-term Contracts	현 물 Spots	임가공 Processing	개발도입 Development
1981	182,814	165,858	164,303	1,555	–	–	5,141	2,305	2,836	–	–
1982	178,369	135,527	128,667	6,860	–	–	21,942	15,278	6,664	–	–
1983	192,969	141,816	103,770	38,046	–	–	27,367	12,894	14,472	–	–
1984	199,681	132,467	90,269	42,198	–	–	39,329	19,212	20,117	–	–
1985	198,313	113,013	50,976	41,577	20,459	–	47,996	31,649	2,425	13,922	–
1986	230,063	142,423	38,977	77,493	25,952	–	52,128	21,379	14,373	16,375	–
1987	216,163	138,659	54,242	58,074	26,343	–	51,265	24,251	17,638	9,375	–
1988	261,079	168,479	55,970	75,437	31,079	5,993	50,980	18,660	20,628	11,692	–
1989	296,411	211,819	77,404	111,472	18,205	4,737	63,585	26,858	33,408	1,837	1,482
1990	308,368	229,017	123,571	93,820	10,115	1,510	62,530	32,127	25,834	1,031	3,538
1991	399,303	294,357	199,810	92,249	–	2,298	82,695	43,327	38,709	–	658
1992	509,378	380,452	269,822	106,432	–	4,198	95,033	44,905	49,755	–	373
1993	560,563	430,839	299,831	125,467	–	5,541	99,147	53,933	45,214	–	–
1994	573,714	439,330	306,221	128,417	–	4,692	91,083	49,920	40,538	–	626
1995	624,945	486,528	351,042	133,065	–	2,421	82,050	40,042	41,308	–	700
1996	721,927	561,098	425,921	135,176	–	–	98,631	42,198	56,434	–	–
1997	873,415	645,678	537,313	107,123	–	1,242	122,379	58,519	63,860	–	–
1998	819,094	622,005	525,441	96,564	–	–	113,494	60,838	52,656	–	–
1999	874,090	632,067	468,318	163,750	–	–	93,517	45,189	48,328	–	–
2000	893,943	686,916	501,767	185,149	–	–	112,669	54,307	58,361	–	–
2001	859,367	661,649	491,422	169,887	–	340	130,033	35,959	94,074	–	–
2002	790,992	579,865	419,976	159,889	–	–	136,756	42,142	94,615	–	–
2003	804,809	639,453	497,625	139,484	996	1,348	100,721	35,603	65,118	–	–
2005	843,203	689,356	533,800	154,368	–	1,188	111,937	29,458	82,479	–	–
2006	888,794	730,843	560,285	170,558	–	–	110,306	24,113	86,193	–	–
2007	872,541	704,020	521,070	182,950	–	–	131,273	21,071	110,202	–	–
2008	864,872	746,458	569,121	177,337	–	–	108,482	17,689	90,794	–	–
2009	835,085	705,363	560,061	145,302	–	–	116,379	19,214	97,166	–	–
2010	872,415	713,647	589,285	124,361	–	–	152,354	23,177	129,176	–	–
2011	927,044	807,908	685,205	122,704	–	–	108,402	22,820	85,583	–	–

자료 : 한국석유공사

2 Crude Oil Demand and Supply

2-1. Imports

Unit : Thousand barrel

아프리카 Africa					아메리카 · 유럽 America and Europe				
소 계 Sub-total	장기계약 Long-term Contracts	현 물 Spots	임 가 공 Processing	개발도입 Development	소 계 Sub-total	장기계약 Long-term Contracts	현 물 Spots	개발도입 Development	
1,467	1,154	313	–	–	10,348	10,348	–	–	1981
6,415	5,868	547	–	–	14,486	14,486	–	–	1982
12,053	11,431	622	–	–	11,734	10,802	932	–	1983
11,705	11,232	473	–	–	16,180	15,770	410	–	1984
11,912	7,960	3,952	–	–	25,392	22,630	2,762	–	1985
9,912	6,461	3,451	–	–	25,601	22,345	3,256	–	1986
15,141	6,289	8,852	–	–	11,098	10,080	1,019	–	1987
17,775	834	12,621	4,321	–	23,845	21,142	2,703	–	1988
17,180	1,710	11,916	1,723	1,832	3,826	2,996	831	–	1989
9,689	687	8,202	–	801	7,132	3,657	3,475	–	1990
5,551	–	3,744	–	1,808	16,701	13,965	2,736	–	1991
12,822	3,500	7,460	–	1,862	21,071	20,083	–	988	1992
12,876	2,403	9,915	–	558	17,702	17,702	–	–	1993
23,225	5,637	17,588	–	–	20,075	20,075	–	–	1994
37,911	3,781	34,130	–	–	18,456	18,456	–	–	1995
37,024	6,025	30,999	–	–	25,174	18,365	6,809	–	1996
81,119	1,453	79,666	–	–	24,240	23,059	1,181	–	1997
61,907	11,200	50,707	–	–	21,689	16,794	4,895	–	1998
109,560	34,956	74,603	–	–	38,946	22,612	16,334	–	1999
67,749	13,356	54,393	–	–	26,610	13,501	13,109	–	2000
39,155	937	38,219	–	–	28,530	10,067	18,462	–	2001
35,877	2,981	32,896	–	–	38,494	13,548	24,946	–	2002
34,156	9,496	24,660	–	–	30,479	8,168	22,311	–	2003
42,874	19,012	23,862	–	–	21,447	11,768	9,679	–	2004
34,424	–	34,424	–	–	7,487	643	6,844	–	2005
42,814	1,310	41,504	–	–	4,831	–	4,831	–	2006
35,557	1,212	34,345	–	–	1,690	–	1,690	–	2007
9,932	51	9,881	–	–	–	–	–	–	2008
11,608	416	11,192	–	–	1,734	–	1,734	–	2009
4,592	–	4,592	–	–	1,823	–	1,823	–	2010
2,772	–	2,772	–	–	7,962	–	7,962	–	2011

Source : Korea National Oil Corporation.

2-2. 국별 원유 수입량

단위 : 천 배럴

	합 계 Total	중 동 Middle East	사우디아라비아 Saudi Arabia	아랍에미레이트 UAE	이 란 Iran	쿠웨이트 Kuwait	오 만 Oman	카타르 Qatar	이라크 Iraq
1981	182,814	165,858	104,914	4,647	14,496	38,511	–	–	–
1982	178,369	135,527	88,132	1,153	22,899	21,328	–	–	–
1983	192,969	141,816	63,075	7,068	31,415	18,959	17,353	2,073	–
1984	199,681	132,467	37,075	12,593	39,370	14,989	24,094	3,273	–
1985	198,313	113,013	13,746	19,934	34,121	17,520	23,125	502	–
1986	230,063	142,423	21,271	28,417	37,396	13,207	30,934	3,683	3,542
1987	216,163	138,659	31,394	25,255	31,853	9,693	29,229	2,518	5,436
1988	261,079	168,479	7,841	40,566	35,763	9,466	51,800	1,276	12,843
1989	296,411	211,819	14,974	49,122	38,599	15,097	70,282	3,470	5,751
1990	308,368	229,017	39,616	49,877	34,287	17,069	63,686	6,610	10,534
1991	399,303	294,357	133,588	46,135	52,775	–	51,155	8,133	–
1992	509,378	380,452	155,104	53,206	61,276	14,372	73,725	14,505	–
1993	560,563	430,839	172,413	57,576	76,057	29,334	69,557	14,404	–
1994	573,714	439,330	177,619	48,598	82,828	27,239	48,381	14,352	–
1995	624,945	486,528	226,863	70,536	68,314	25,233	55,131	10,871	–
1996	721,927	561,098	252,665	91,620	78,067	41,134	57,413	14,424	–
1997	873,415	645,678	267,888	127,395	82,192	55,091	50,197	35,241	–
1998	819,094	622,005	234,450	122,022	67,502	66,894	57,195	34,879	4,992
1999	874,090	632,067	241,747	117,405	81,944	53,284	56,001	37,301	7,242
2000	893,943	686,916	264,925	128,064	81,251	66,627	46,632	45,722	17,819
2001	859,367	661,649	255,432	128,405	80,413	64,407	53,639	42,157	3,201
2002	790,992	579,865	240,765	105,905	51,512	56,996	42,053	35,330	3,759
2003	804,809	639,453	250,473	138,869	63,682	65,885	40,927	46,780	1,931
2004	825,790	645,183	253,849	145,598	64,974	64,659	32,832	45,581	11,358
2005	843,203	689,356	249,337	150,608	70,767	79,679	38,799	53,122	14,972
2006	888,794	730,843	261,563	158,865	75,058	92,620	36,273	49,871	15,401
2007	872,541	704,020	249,887	141,887	85,793	94,031	14,760	46,088	46,590
2008	864,872	746,458	262,637	158,109	73,016	104,593	16,670	64,402	41,227
2009	835,085	705,363	254,799	114,592	81,437	100,090	17,507	53,673	62,494
2010	872,415	713,647	276,787	105,656	72,605	103,079	12,152	64,362	59,956
2011	927,044	807,908	291,348	87,234	87,184	117,370	16,715	93,146	89,242

자료 : 한국석유공사

2-2. Imports by Country of Origin

Unit : Thousand barrel

아시아 Asia	인도네시아 Indonesia	말레이지아 Malaysia	호주 Australia	브루나이 Brunei	아메리카 America	아프리카 Africa	유 럽 Europe	중동의존도(%) Dependence on Middle East	
5,141	2,842	2,299	–	–	10,348	1,467	–	90.7	1981
21,942	14,777	2,469	–	4,696	14,486	6,415	–	76.0	1982
27,367	9,402	9,782	–	8,183	11,734	12,053	–	73.5	1983
39,329	16,919	15,266	930	5,692	16,180	11,705	–	66.3	1984
47,996	20,183	19,745	–	8,067	25,392	11,912	–	57.0	1985
52,128	17,212	23,191	798	9,521	25,601	9,912	–	61.9	1986
51,265	18,014	20,611	2,253	10,387	11,098	15,141	–	64.1	1987
50,980	12,680	22,071	1,695	11,476	23,845	17,775	–	64.5	1988
63,585	12,362	28,009	1,881	13,233	3,826	17,180	–	71.5	1989
62,530	19,096	23,135	689	11,514	7,132	9,689	–	74.3	1990
82,695	33,436	26,102	1,674	12,225	16,701	5,551	–	73.7	1991
95,033	38,040	25,464	–	14,441	21,071	12,822	–	74.7	1992
99,147	34,677	27,370	1,819	12,950	17,702	12,876	–	76.9	1993
91,083	37,454	19,998	3,880	13,335	20,075	23,225	–	76.6	1994
82,050	31,367	13,339	4,939	11,938	18,456	37,911	–	77.9	1995
98,631	35,088	14,838	5,445	13,828	25,174	37,024	–	77.7	1996
122,379	40,965	16,968	8,851	12,787	23,580	81,119	660	73.9	1997
113,494	33,599	18,156	14,252	13,786	17,594	61,907	4,095	75.9	1998
93,517	41,726	19,988	15,495	8,045	27,896	109,560	11,050	72.3	1999
112,669	36,762	17,732	34,990	8,649	21,365	67,749	5,245	76.8	2000
130,033	45,228	19,838	32,879	9,631	25,469	39,155	3,061	77.0	2001
136,756	42,457	14,247	39,552	11,508	30,282	35,877	8,212	73.3	2002
100,721	33,672	11,101	25,396	11,247	28,543	34,156	1,936	79.5	2003
116,287	38,104	13,785	32,068	10,897	21,447	42,874	–	78.1	2004
111,937	37,703	13,037	31,879	10,558	5,363	34,424	2,124	81.8	2005
110,306	23,359	12,747	34,652	13,210	4,831	42,814	–	82.2	2006
131,273	17,603	12,991	39,101	9,224	1,690	35,557	–	80.7	2007
108,482	16,308	11,155	34,499	10,644	–	9,932	–	86.3	2008
116,379	20,115	6,271	34,423	9,596	1,734	11,608	–	84.5	2009
152,354	29,668	9,032	31,735	12,668	1,823	4,592	–	81.8	2010
108,402	21,008	8,961	15,101	12,324	2,796	2,772	5,166	87.1	2011

Source : Korea National Oil Corporation.

2-3. 원유 수입 가격

	수 입 량 Import Volume		수 입 액 Import Costs		
			총 액 Total	수송비용[1] Transport	본선인도가격 Free on Board(FOB)
	1,000 bbl	1,000 ㎘	1,000 USD		
1981	182,814	29,065	6,502,498	266,781	6,235,717
1982	178,369	28,358	6,073,554	219,253	5,854,301
1983	192,969	30,679	5,767,996	217,677	5,550,319
1984	199,681	31,746	5,803,155	216,049	5,587,106
1985	198,313	31,529	5,499,593	210,211	5,289,382
1986	230,063	36,576	3,474,558	215,440	3,259,118
1987	216,163	34,366	3,833,507	174,180	3,659,327
1988	261,079	41,507	3,841,196	215,298	3,625,898
1989	296,411	47,125	4,929,174	242,871	4,686,303
1990	308,368	49,026	6,461,664	297,947	6,163,717
1991	399,303	63,483	7,835,451	427,094	7,408,357
1992	509,378	80,983	9,448,897	384,961	9,063,936
1993	560,563	89,121	9,298,248	436,426	8,861,822
1994	573,714	91,211	8,919,438	406,419	8,513,019
1995	624,945	99,356	10,824,510	514,755	10,309,755
1996	721,927	114,775	14,516,826	682,806	13,834,020
1997	873,415	138,859	17,767,557	930,388	16,837,169
1998	819,094	130,223	11,238,878	800,729	10,438,149
1999	874,090	138,966	14,784,286	685,257	14,099,029
2000	893,943	142,123	25,226,819	1,052,966	24,173,853
2001	859,367	136,626	21,368,018	1,107,855	20,260,163
2002	790,992	125,755	19,173,386	708,090	18,465,296
2003	804,809	127,952	23,123,105	1,008,946	22,114,159
2004	825,790	131,287	29,873,681	1,390,108	28,483,573
2005	843,203	134,056	42,603,658	1,337,869	41,265,789
2006	888,794	141,304	55,846,131	1,556,918	54,289,213
2007	872,541	138,720	60,517,382	1,310,452	59,206,930
2008	864,872	137,501	84,995,324	2,125,208	82,870,116
2009	835,085	132,765	50,735,145	1,218,139	49,517,006
2010	872,415	138,700	68,683,539	1,400,521	67,283,018
2011	927,044	147,385	100,116,991	1,544,820	98,572,171

주 : 1) 운송비와 보험료의 합임.
자료 : 한국석유공사

2-3. Costs of Crude Oil Imports

수 입 단 가 Import Unit Prices			수송비용비중 Weight of Transport	
합 계 Total	수송비용[1] Transport	본선인도가격 Free on Board(FOB)		
USD/bbl			%	
35.57	1.46	34.11	4.1	1981
34.05	1.23	32.82	3.6	1982
29.89	1.13	28.76	3.8	1983
29.06	1.08	27.98	3.7	1984
27.73	1.06	26.67	3.8	1985
15.10	0.94	14.17	6.2	1986
17.73	0.81	16.93	4.5	1987
14.71	0.82	13.89	5.6	1988
16.63	0.82	15.81	4.9	1989
20.95	0.97	19.99	4.6	1990
19.62	1.07	18.55	5.5	1991
18.55	0.76	17.79	4.1	1992
16.59	0.78	15.81	4.7	1993
15.55	0.71	14.84	4.6	1994
17.32	0.82	16.50	4.8	1995
20.11	0.95	19.16	4.7	1996
20.34	1.07	19.28	5.2	1997
13.72	0.98	12.74	7.1	1998
16.91	0.78	16.13	4.6	1999
28.22	1.18	27.04	4.2	2000
24.86	1.29	23.58	5.2	2001
24.24	0.90	23.34	3.7	2002
28.73	1.25	27.48	4.4	2003
36.18	1.68	34.49	4.7	2004
50.53	1.59	48.94	3.1	2005
62.83	1.75	61.08	2.8	2006
69.36	1.50	67.86	2.2	2007
98.28	2.46	95.82	2.5	2008
60.75	1.46	59.30	2.4	2009
78.73	1.61	77.12	2.0	2010
108.00	1.67	106.33	1.5	2011

Note : 1) Includes freight and insurance costs.
Source : Korea National Oil Corporation.

2-4. 국별 원유 수입 단가

단위 : 달러/배럴

	평 균 Average	중 동 Middle East	사우디아라비아 Saudi Arabia	아랍에미레이트 UAE	이 란 Iran	쿠웨이트 Kuwait	오 만 Oman	카타르 Qatar	이라크 Iraq
1981	35.6	35.5	33.9	37.9	37.7	38.5	–	–	–
1982	34.1	33.7	34.4	32.5	30.8	34.2	–	–	–
1983	29.9	29.7	30.0	30.1	28.8	29.2	30.8	29.6	–
1984	29.1	28.9	29.3	29.9	27.6	28.6	29.8	30.1	–
1985	27.7	27.9	28.5	27.7	27.1	28.4	28.6	28.6	–
1986	15.1	14.5	14.8	14.9	13.7	14.3	15.7	12.8	12.1
1987	17.7	17.6	17.4	18.1	17.0	17.7	18.0	18.6	17.8
1988	14.7	14.5	14.7	14.6	14.3	14.4	14.6	15.9	13.7
1989	16.6	16.3	16.3	16.5	15.8	15.8	16.8	17.4	14.8
1990	21.0	20.8	23.8	20.9	21.0	16.3	21.2	20.6	15.3
1991	19.6	19.3	18.6	20.9	18.5	–	20.1	20.7	–
1992	18.6	18.2	17.8	19.5	17.2	17.5	19.0	20.2	–
1993	16.6	16.1	15.7	17.3	15.2	15.4	17.0	18.6	–
1994	15.6	15.3	15.1	16.0	14.7	14.4	15.7	17.6	–
1995	17.3	17.2	17.4	17.2	16.8	16.7	17.1	17.4	–
1996	20.1	19.9	20.0	20.0	19.0	19.3	20.2	20.8	–
1997	20.3	20.3	20.5	20.4	19.5	19.6	20.5	20.1	–
1998	13.7	13.6	13.8	14.0	13.4	12.6	13.5	14.0	13.2
1999	16.9	17.1	17.2	17.3	16.7	15.9	17.0	17.1	21.0
2000	28.2	28.0	28.1	28.8	26.9	27.5	26.9	28.9	28.5
2001	24.9	24.8	24.9	25.3	24.3	23.9	24.6	25.4	25.3
2002	24.2	24.2	24.3	24.8	23.7	23.5	23.9	24.6	23.2
2003	28.7	28.4	28.6	28.9	28.0	27.6	27.6	28.7	29.7
2004	36.2	35.5	35.8	36.8	34.3	33.9	34.4	36.1	35.8
2005	50.5	50.1	51.0	51.4	46.6	49.0	50.2	51.7	46.1
2006	62.8	62.5	62.9	64.5	60.6	60.5	61.6	64.0	60.3
2007	69.4	68.9	69.3	70.7	67.5	67.9	67.5	71.5	66.5
2008	98.3	98.2	98.6	102.8	95.4	93.3	98.4	97.8	100.6
2009	60.8	61.0	61.1	62.5	59.8	62.2	61.9	57.7	60.9
2010	78.7	78.6	79.0	79.7	77.4	78.1	78.6	78.8	77.5
2011	108.0	107.4	108.0	110.8	105.8	106.9	103.1	107.8	105.6

주 : 운임 및 보험료 포함인도(CIF)가격.
자료 : 한국석유공사

2-4. Unit Prices of Crude Oil Imports by Country of Origin

Unit : USD/bbl

아시아 Asia	인도네시아 Indonesia	말레이지아 Malaysia	호 주 Australia	브루나이 Brunei	아메리카 America	아프리카 Africa	유 럽 Europe	
39.0	38.5	39.7	–	–	34.9	39.7	–	1981
36.0	36.5	35.0	–	34.9	33.8	36.0	–	1982
30.3	31.0	29.6	–	30.2	30.6	31.2	–	1983
29.4	29.3	29.3	29.9	29.7	29.2	29.6	–	1984
27.5	27.0	27.8	–	28.2	27.8	27.1	–	1985
15.1	14.9	15.1	13.3	15.1	16.7	19.5	–	1986
18.2	17.8	18.3	18.2	18.7	17.1	18.1	–	1987
15.4	15.7	15.5	15.7	15.7	14.5	14.8	–	1988
17.8	17.5	18.3	19.0	18.5	15.2	16.2	–	1989
22.5	23.4	22.1	19.2	24.0	17.7	18.3	–	1990
21.2	20.4	22.9	21.5	22.7	18.1	18.2	–	1991
20.1	19.5	21.3	–	21.5	18.2	17.8	–	1992
18.6	17.8	19.8	20.7	19.8	16.7	16.5	–	1993
16.6	16.0	17.7	17.0	17.8	15.8	15.9	–	1994
17.9	17.7	19.1	17.9	18.9	16.6	18.0	–	1995
21.4	21.1	22.9	22.6	22.8	19.5	20.7	–	1996
20.7	20.6	22.4	21.5	22.9	19.3	20.8	18.8	1997
14.0	13.9	14.9	14.4	15.0	12.9	14.8	13.8	1998
17.5	16.6	18.5	18.0	17.7	15.1	16.1	16.2	1999
29.7	28.9	30.5	29.9	30.0	25.5	29.2	28.6	2000
25.4	24.7	26.5	26.2	25.7	22.6	25.1	25.6	2001
24.9	24.1	25.6	25.0	24.4	22.2	24.2	25.7	2002
30.5	29.9	31.9	30.6	32.4	27.4	30.4	33.7	2003
40.0	38.3	42.5	41.3	44.3	32.9	37.4	–	2004
54.1	51.4	57.1	54.6	59.1	42.6	48.1	58.2	2005
64.9	61.0	71.1	64.0	70.4	54.9	65.0	–	2006
72.6	63.4	75.3	73.6	78.4	52.6	66.9	–	2007
98.6	95.2	109.9	94.4	107.3	–	98.2	–	2008
59.3	57.5	65.1	55.8	61.3	51.0	61.8	–	2009
79.7	80.2	81.1	78.4	81.0	76.2	73.9	–	2010
112.0	110.4	114.7	107.3	114.6	98.7	112.4	115.3	2011

Note : CIF(Cost, insurance and freight) prices.
Source : Korea National Oil Corporation.

2-5. 원유 처리 현황 Refinery Runs

	수 입 량 Import Volume	처 리 량 Refinery Runs			1일 정제능력 Refining Capacity	가 동 률 Operation Rate
		연 간 Annual	월평균 Monthly Average	일평균 Daily Average		
	1,000 bbl				1,000 BPSD	%
1981	182,814	178,322	14,861	489	790	61.85
1982	178,369	173,044	14,420	474	790	60.01
1983	192,969	190,643	15,887	522	790	66.11
1984	199,681	201,937	16,828	552	790	70.03
1985	198,313	201,131	16,761	551	790	69.75
1986	230,063	209,729	17,477	575	790	72.73
1987	216,163	210,914	17,576	578	790	73.15
1988	261,079	256,420	21,368	701	840	88.22
1989	296,411	296,722	24,727	813	840	96.78
1990	308,368	307,281	25,607	842	840	100.22
1991	399,303	412,787	36,399	1,131	1,036	109.12
1992	509,378	510,619	42,522	1,395	1,442	96.77
1993	560,563	543,969	45,331	1,490	1,675	88.97
1994	573,714	560,866	46,739	1,537	1,700	90.39
1995	624,945	631,078	52,590	1,729	1,818	95.10
1996	721,927	720,846	60,070	1,975	2,438	81.01
1997	873,415	871,974	72,664	2,389	2,438	97.99
1998	819,094	825,890	68,824	2,263	2,438	92.81
1999	874,090	872,742	72,728	2,391	2,438	98.08
2000	893,943	890,304	74,192	2,439	2,438	100.05
2001	859,367	860,115	71,676	2,356	2,438	96.66
2002	790,992	786,805	65,567	2,156	2,438	88.42
2003	804,809	782,951	65,246	2,145	2,438	87.98
2004	825,790	826,551	68,879	2,265	2,735	82.80
2005	843,203	852,439	71,037	2,335	2,735	85.39
2006	888,794	878,395	73,200	2,407	2,772	86.82
2007	872,541	882,117	73,510	2,417	2,812	85.94
2008	864,872	865,663	72,139	2,372	2,860	82.93
2009	835,085	838,475	69,873	2,297	2,875	79.90
2010	872,415	872,247	72,687	2,390	2,890	82.69
2011	927,044	924,441	77,037	2,533	3,010	84.14

자료 : 한국석유공사

2-6. 정유 현황 Refinery Capacities

단위 : 천 BPSD　　Unit : Thousand BPSD

	합 계 Total	SK에너지 SK Energy	GS칼텍스 GS-Caltex	SK인천정유 SK-Inchon	현대오일뱅크 Hyundai Oilbank	S-Oil S-Oil
1981	790	280	380	60	10	60
1982	790	280	380	60	10	60
1983	790	280	380	60	10	60
1984	790	280	380	60	10	60
1985	790	280	380	60	10	60
1986	790	280	380	60	10	60
1987	790	280	380	60	10	60
1988	790	280	380	60	10	60
1989	840	280	380	60	60	60
1990	840	280	380	60	60	60
1991	1,035	375	380	68	60	160
1992	1,675	585	380	220	110	325
1993	1,675	585	380	275	110	325
1994	1,700	610	380	275	110	325
1995	1,818	610	380	275	110	443
1996	2,438	810	600	275	310	443
1997	2,438	810	600	275	310	443
1998	2,438	810	600	275	310	443
1999	2,438	810	600	275	310	443
2000	2,438	810	600	275	310	443
2001	2,438	810	600	275	310	443
2002	2,438	810	600	275	310	443
2003	2,438	810	600	275	310	443
2004	2,735	840	650	275	390	580
2005	2,735	840	650	275	390	580
2006	2,772	840	687	275	390	580
2007	2,812	840	727	275	390	580
2008	2,860	1,115	775	-	390	580
2009	2,875	1,115	790	-	390	580
2010	2,890	1,115	805	-	390	580
2011	3,010	1,115	851	-	390	654

Source : Korea National Oil Corporation.

3 석유제품 수급

3-1. 생산

단위 : 천 배럴

	합 계 Total	에 너 지 유 Energy Use							
		소 계 Sub-total	휘발유 Gasoline	등 유 Kerosene	경 유 Diesel	경질중유 Bunker-A	중 유 Bunker-B	중질중유 Bunker-C	항 공 유 Jet Oil
1981	173,793	145,922	6,205	8,154	40,622	2,235	1,667	81,630	5,409
1982	170,595	141,990	5,132	8,244	40,716	2,170	1,093	78,114	6,521
1983	188,667	157,824	4,902	9,199	48,560	1,832	1,046	83,212	9,073
1984	200,997	164,104	5,492	9,109	54,167	2,040	1,165	81,662	10,469
1985	197,559	159,432	9,731	10,699	54,720	1,847	1,104	70,600	10,731
1986	206,988	166,234	9,807	9,533	58,804	2,390	1,125	70,757	13,818
1987	208,662	164,366	10,737	7,140	59,605	2,907	1,283	69,032	13,664
1988	252,196	202,831	13,618	10,803	73,917	3,091	1,385	85,276	14,742
1989	292,062	242,192	18,396	12,747	88,340	2,578	1,506	101,007	17,617
1990	304,495	251,364	23,939	13,537	94,556	2,714	1,687	98,541	16,390
1991	408,215	335,148	28,536	13,596	127,271	2,883	1,848	143,452	17,562
1992	504,560	414,510	32,348	29,309	152,577	3,360	1,696	174,319	20,901
1993	539,986	450,503	41,271	31,915	167,967	3,515	1,600	184,006	20,230
1994	568,452	474,630	50,708	32,305	169,040	3,479	1,468	191,434	26,196
1995	643,102	527,522	60,459	41,921	180,908	3,922	1,444	203,886	34,981
1996	724,128	592,407	70,935	51,302	216,446	5,495	1,565	207,845	38,819
1997	911,462	695,247	78,648	71,899	264,173	4,243	1,451	232,394	42,438
1998	864,845	644,931	76,026	62,501	232,500	3,127	1,320	205,654	63,801
1999	911,086	677,966	75,159	90,501	218,670	3,869	1,258	235,451	53,056
2000	926,897	682,029	76,202	87,797	227,999	4,243	959	225,262	59,568
2001	907,345	661,121	76,507	74,833	218,888	3,826	841	220,976	65,251
2002	858,363	603,180	76,943	61,646	207,736	4,755	758	183,610	67,731
2003	841,038	598,129	73,048	63,338	202,677	4,717	668	198,615	55,065
2004	886,413	616,100	75,494	49,446	212,548	4,149	634	197,186	76,644
2005	922,897	644,517	73,823	43,294	230,964	4,097	719	206,331	85,288
2006	949,983	661,117	79,677	40,389	238,350	3,620	655	203,110	95,316
2007	955,898	650,118	78,212	28,387	253,196	3,440	761	180,022	106,099
2008	938,749	647,227	92,864	30,917	264,470	3,041	640	146,894	108,401
2009	912,654	630,136	108,680	32,514	261,714	2,940	488	121,151	102,649
2010	938,926	650,833	111,811	38,681	268,392	3,157	511	122,501	105,781
2011	1,002,257	693,699	123,612	34,718	292,281	3,168	531	121,217	118,172

주 : 1) 1997년 이후 윤활유, 파라핀왁스, 석유코크, 기타제품 포함.
자료 : 한국석유공사.

3 Petroleum Products Demand and Supply

3-1 Production

Unit : Thousand barrel

액화석유가스 Liquefied Petroleum Gas(LPG)			비에너지유 Non-energy Use				
소 계 Sub-total	프로판 Propane	부 탄 Butane	소 계[1] Sub-total	납 사 Naphtha	아스팔트 Asphalt	용 제 Solvent	
4,055	1,490	2,565	23,816	21,452	1,950	414	1981
4,952	1,548	3,404	23,653	20,990	2,017	646	1982
6,106	1,811	4,295	24,737	21,748	1,986	1,003	1983
6,476	1,793	4,683	30,417	27,094	2,508	815	1984
7,413	1,660	5,754	30,714	27,419	2,893	402	1985
9,730	2,726	7,003	31,024	27,691	2,978	355	1986
10,961	3,487	7,474	33,335	30,099	2,851	385	1987
11,059	3,150	7,909	38,305	35,229	2,672	403	1988
10,999	3,151	7,848	38,871	35,883	2,535	453	1989
11,994	3,314	8,680	41,138	35,487	5,119	531	1990
12,746	3,604	9,143	60,321	53,044	6,873	404	1991
14,666	4,695	9,971	75,384	65,259	9,674	452	1992
13,982	4,548	9,434	75,501	65,480	9,591	429	1993
14,710	4,416	10,294	79,112	67,969	10,447	695	1994
15,722	4,139	11,582	99,858	88,319	10,803	736	1995
15,747	5,116	10,632	115,973	103,128	12,174	671	1996
20,854	7,338	13,516	195,361	154,319	14,945	626	1997
27,506	8,983	18,522	192,409	153,832	12,807	503	1998
30,229	9,419	20,810	202,892	164,447	13,141	630	1999
34,915	10,600	24,316	209,953	167,012	13,582	629	2000
39,362	10,744	28,619	206,862	162,670	14,412	790	2001
40,507	10,782	29,725	214,676	163,912	18,211	1,300	2002
38,126	9,829	28,297	204,784	148,923	17,314	2,590	2003
38,580	10,439	28,141	231,733	167,843	19,190	3,799	2004
37,276	10,208	27,068	241,104	176,369	19,854	4,266	2005
35,953	10,287	25,666	252,913	183,067	21,258	5,061	2006
33,951	9,671	24,280	271,829	196,755	24,484	4,877	2007
34,534	12,314	22,220	256,989	173,746	26,009	3,925	2008
35,133	14,757	20,376	247,385	159,064	28,008	4,734	2009
32,631	15,828	16,803	255,461	169,721	29,284	4,766	2010
18,319	9,091	9,228	290,239	195,101	24,179	3,972	2011

Note : 1) From 1997, includes lubricants, paraffin waxes, petroleum coke and other petroleum products
Source : Korea National Oil Corporation.

3-2. 수입

단위 : 천 배럴

	총 계 Total	에 너 지 유 Energy Use							
		소 계 Sub-total	휘발유 Gasoline	등 유 Kerosene	경 유 Diesel	경질중유 Bunker-A	중 유 Bunker-B	중질중유 Bunker-C	항공유 Jet Oil
1981	13,161	10,670	–	–	132	–	–	10,538	–
1982	19,790	15,764	–	–	1,204	–	–	14,560	–
1983	21,697	11,986	–	–	1,092	–	–	10,891	3
1984	24,393	13,257	–	–	1,780	–	–	11,477	–
1985	24,095	12,036	–	–	2,504	–	–	9,529	3
1986	31,543	15,019	–	–	4,194	–	–	10,822	3
1987	48,336	27,774	–	2,588	10,208	–	–	14,978	–
1988	41,947	19,225	–	475	7,863	–	–	10,883	4
1989	49,270	22,503	–	4,156	6,950	–	–	11,393	4
1990	101,248	58,714	–	17,465	13,586	–	–	27,658	6
1991	110,041	54,792	–	9,771	10,803	–	–	34,208	9
1992	137,011	49,038	–	8,986	5,781	–	–	34,271	–
1993	167,759	59,867	–	16,016	11,227	–	–	32,624	–
1994	190,790	70,009	–	17,087	17,435	–	–	35,486	–
1995	205,428	80,490	–	23,361	32,190	–	–	24,824	115
1996	215,124	79,770	–	27,679	18,540	–	–	29,143	4,408
1997	185,811	49,242	–	15,769	3,134	–	–	26,757	3,582
1998	175,895	21,652	215	5,103	2,198	–	–	12,926	1,210
1999	184,490	25,712	390	2,687	2,311	–	–	16,497	3,827
2000	204,301	37,231	740	6,870	2,818	–	–	25,107	1,696
2001	204,781	36,756	2,108	5,310	6,681	–	–	22,318	339
2002	228,557	50,358	4,032	6,917	12,928	28	–	23,672	2,781
2003	219,897	37,114	2,061	6,624	11,141	70	–	13,759	3,459
2004	195,110	15,718	1,218	1,710	4,290	3	–	8,282	215
2005	179,354	6,372	78	360	1,912	–	–	4,021	1
2006	191,560	10,581	–	259	1,582	–	–	8,737	3
2007	209,130	7,191	–	514	765	–	–	5,910	2
2008	224,614	8,192	–	379	369	–	–	7,192	250
2009	268,214	20,764	–	68	836	30	–	19,828	2
2010	276,849	18,573	–	331	758	–	–	17,478	6
2011	279,260	16,776	–	417	950	–	–	15,392	16

주 : 1) 1997년 이후 윤활유, 파라핀왁스, 석유코크, 기타제품 포함.
자료 : 한국석유공사.

3-2. Imports

Unit : Thousand barrel

액화석유가스 Liquefied Petroleum Gas(LPG)			비에너지유 Non-energy Use				
소 계 Sub-total	프로판 Propane	부 탄 Butane	소 계[1] Sub-total	납 사 Naphtha	아스팔트 Asphalt	용 제 Solvent	
932	874	58	1,559	1,559	–	–	1981
2,577	1,479	1,098	1,449	1,449	–	–	1982
4,099	2,317	1,782	5,612	5,612	–	–	1983
6,224	3,965	2,259	4,912	4,912	–	–	1984
6,708	4,899	1,809	5,351	5,351	–	–	1985
7,872	6,592	1,280	8,652	8,652	–	–	1986
10,214	8,591	1,623	10,348	10,348	–	–	1987
15,078	12,700	2,378	7,645	7,645	–	–	1988
20,229	16,846	3,383	6,538	6,523	15	–	1989
27,124	22,127	4,998	15,409	15,409	–	–	1990
30,301	25,351	4,950	25,582	25,497	85	–	1991
39,631	30,933	8,698	50,652	47,948	395	–	1992
45,479	34,269	11,209	68,084	62,414	–	–	1993
48,595	37,950	10,645	85,383	72,168	18	–	1994
53,102	43,360	9,742	90,912	71,837	–	–	1995
55,149	44,097	11,052	95,999	80,204	–	–	1996
57,230	46,754	10,476	83,601	79,326	–	–	1997
49,144	39,662	9,482	108,570	105,100	–	–	1998
57,659	45,772	11,887	101,119	101,119	–	–	1999
55,763	40,209	15,554	111,307	111,283	24	–	2000
48,062	32,177	15,885	119,963	119,738	201	–	2001
56,216	37,844	18,371	121,983	121,912	57	–	2002
50,801	35,325	15,476	131,982	131,981	–	–	2003
47,884	32,701	15,183	131,508	131,368	140	–	2004
49,689	32,469	17,220	123,293	123,292	–	–	2005
54,003	32,062	21,941	126,976	126,964	–	–	2006
58,172	32,691	25,481	143,766	143,766	–	–	2007
63,041	31,074	31,967	153,381	153,381	–	–	2008
66,191	32,399	33,792	181,259	180,840	–	38	2009
69,629	35,221	34,408	188,647	188,600	–	47	2010
73,940	38,561	35,379	188,545	188,507	–	38	2011

Note : 1) From 1997, includes lubricants, paraffin waxes, petroleum coke and other petroleum products.
Source : Korea National Oil Corporation.

3-3. 수출

단위 : 천 배럴

	합 계 Total	에 너 지 유 Energy Use						
		소 계 Sub-total	휘발유 Gasoline	등 유 Kerosene	경 유 Diesel	경질중유 Bunker-A	중 유 Bunker-B	중질중유 Bunker-C
1981	3,084	1,654	–	704	950	–	–	–
1982	6,904	3,914	718	704	1,428	–	–	886
1983	16,421	12,081	184	1,158	4,687	–	–	4,728
1984	24,053	17,776	45	1,333	4,554	–	–	9,792
1985	26,440	20,530	2,784	1,892	4,636	–	–	7,475
1986	27,261	20,338	1,140	1,724	5,037	–	–	8,677
1987	32,511	25,127	395	1,289	5,551	–	–	14,702
1988	31,247	21,289	37	1,100	5,808	–	–	10,590
1989	34,802	26,697	22	1,515	8,363	–	–	13,262
1990	27,184	22,670	30	97	10,453	–	–	12,091
1991	69,744	62,709	992	–	20,661	–	–	37,925
1992	91,653	85,497	119	3	27,124	3	–	50,705
1993	103,493	91,504	520	5	35,709	–	–	49,693
1994	93,132	81,593	568	465	34,310	–	–	40,082
1995	122,620	97,112	442	564	42,443	–	–	40,238
1996	158,329	122,412	2,546	2,913	54,208	–	–	41,491
1997	231,050	184,314	10,169	10,250	93,711	791	–	49,451
1998	296,682	234,803	15,611	6,950	109,238	–	–	60,240
2000	306,293	241,250	14,869	19,874	96,675	–	–	72,157
2001	295,010	231,123	16,166	18,006	90,440	–	–	67,011
2002	239,127	178,997	15,525	10,205	76,235	–	–	35,025
2003	209,079	160,992	13,538	13,144	60,817	–	–	45,835
2004	235,506	185,101	18,323	7,693	68,038	–	–	45,539
2005	262,647	215,458	14,515	4,455	85,890	–	–	56,065
2006	289,070	236,876	19,928	4,763	91,520	–	–	58,266
2007	292,072	234,609	15,336	1,250	102,974	–	–	42,699
2008	333,764	276,319	30,911	2,396	130,936	33	–	35,174
2009	330,912	266,299	40,187	5,425	125,474	–	–	25,394
2010	341,784	273,575	39,338	6,462	130,761	–	–	25,565
2011	408,338	337,113	53,519	8,960	159,181	40	–	34,173

주 : 1) 1997년 이후 윤활유, 파라핀왁스, 석유코크, 기타제품 포함.
자료 : 한국석유공사.

3-3. Exports

Unit : Thousand barrel

	액화석유가스 Liquefied Petroleum Gas(LPG)			비에너지유 Non-energy Use				
항공유 Jet Oil	소 계 Sub-total	프로판 Propane	부 탄 Butane	소 계[1] Sub-total	납 사 Naphtha	아스팔트 Asphalt	용 제 Solvent	
–	–	–	–	1,430	1,368	44	18	1981
178	–	–	–	2,990	2,937	12	41	1982
1,324	–	–	–	4,340	4,292	9	39	1983
2,052	–	–	–	6,277	6,253	7	17	1984
3,743	–	–	–	5,910	5,864	30	16	1985
3,760	–	–	–	6,923	6,800	52	71	1986
3,190	105	–	105	7,278	7,204	32	42	1987
3,754	17	11	6	9,942	9,868	42	31	1988
3,535	375	229	146	7,730	7,666	25	39	1989
–	1,098	593	505	3,416	3,325	29	61	1990
3,131	1,343	656	687	5,692	5,625	21	46	1991
7,543	655	218	437	5,501	5,430	19	52	1992
5,576	1,336	525	811	10,653	10,328	310	15	1993
6,168	1,338	596	742	10,201	9,148	1,045	8	1994
13,425	2,911	1,766	1,145	22,597	21,337	1,260	–	1995
19,670	3,511	2,060	1,451	32,406	30,771	1,635	–	1996
19,942	4,557	2,991	1,566	42,179	36,942	3,319	–	1997
42,764	50,484	6,913	3,571	51,395	44,848	2,860	17	1998
37,675	13,649	8,708	4,941	52,929	46,218	2,915	28	1999
	8,131	5,287	2,844	56,912	48,849	3,184	8	2000
39,500								
42,006	4,820	2,384	2,436	59,067	51,228	3,366	–	2001
27,658	2,882	1,589	1,293	57,248	44,943	7,060	–	2002
45,508	2,894	1,740	1,154	45,193	30,970	6,695	0	2003
54,533	964	510	454	49,441	31,157	7,725	30	2004
	714	295	419	46,475	25,793	9,181	0	2005
62,399								
72,350	762	393	369	51,432	27,991	10,250	–	2006
76,869	533	329	204	56,930	29,423	13,009	–	2007
69,819	373	258	115	57,072	22,915	15,651	–	2008
71,449	126	125	1	64,487	26,569	15,854	8	2009
	911	910	1	67,298	32,111	18,531	–	2010
81,239								
	905	742	163	70,320	35,386	14,297	217	2011

Note : 1) From 1997, includes lubricants, paraffin waxes, petroleum coke and other petroleum products.
Source : Korea National Oil Corporation.

3-4. 소비[1)]

단위 : 천 배럴

	합 계 Total	에 너 지 유 Energy Use						
		소 계 Sub-total	휘발유 Gasoline	등 유 Kerosene	경 유 Diesel	경질중유 Bunker-A	중 유 Bunker-B	중질중유 Bunker-C
1981	180,053	152,306	6,003	7,853	38,983	2,221	1,317	90,890
1982	178,893	149,276	4,615	7,648	40,133	2,140	875	88,259
1983	189,308	153,582	4,622	7,823	44,609	1,926	826	87,035
1984	191,049	150,389	5,394	8,044	49,639	1,935	926	77,516
1985	189,191	145,488	6,922	7,932	52,188	1,845	1,007	68,990
1986	200,591	149,999	8,557	7,985	57,137	2,009	1,093	64,796
1987	210,511	154,368	10,354	8,156	63,536	2,381	1,278	59,579
1988	250,558	187,057	13,578	9,987	74,408	2,461	1,451	76,246
1989	287,146	218,766	18,295	14,382	83,901	2,268	1,577	87,235
1990	356,349	267,514	23,693	24,942	97,449	2,384	1,744	104,547
1991	424,666	308,488	28,713	25,599	114,521	2,472	1,829	122,632
1992	514,224	352,828	35,248	34,249	127,434	2,621	1,760	140,104
1993	564,575	386,698	42,508	43,259	138,021	2,741	1,742	145,548
1994	621,498	424,674	51,089	47,835	147,269	2,818	1,597	159,742
1995	677,210	469,009	59,382	62,669	163,113	3,118	1,664	162,793
1996	721,065	499,960	67,971	73,662	172,406	3,179	1,657	163,236
1997	793,899	507,217	71,358	85,025	166,790	2,760	1,615	160,367
1998	670,278	370,853	61,089	61,457	120,372	2,231	1,284	107,130
1999	719,657	405,864	63,879	76,928	126,072	2,826	1,513	116,271
2000	742,557	409,673	62,382	69,909	129,429	2,966	1,436	125,319
2001	743,667	404,727	62,707	61,707	132,168	2,714	1,510	123,848
2002	762,868	402,143	64,078	58,464	138,045	2,956	1,636	116,907
2003	762,941	395,124	60,485	52,874	145,366	2,692	1,768	111,361
2004	752,329	371,242	58,151	43,090	143,799	2,303	1,706	100,968
2005	761,080	367,053	59,561	39,392	142,529	2,361	1,793	96,359
2006	765,521	355,880	59,874	31,450	142,433	2,358	1,622	92,912
2007	794,946	352,955	62,500	26,172	145,327	2,218	1,563	89,028
2008	760,641	320,153	62,937	27,659	134,513	1,974	1,346	66,677
2009	778,480	319,864	65,872	25,991	132,308	2,078	1,289	66,065
2010	794,278	326,417	68,931	29,354	134,648	2,047	1,344	61,903
2011	801,922	312,603	69,574	25,430	134,157	2,213	1,280	51,505

주 : 1) 전환부문 소비량을 포함한 1차에너지 소비량임.
2) 1997년 이후 윤활유, 파라핀왁스, 석유코크, 기타제품 포함
자료 : 한국석유공사.

3-4. Consumption[1)]

Unit : Thousand barrel

	액화석유가스 Liquefied Petroleum Gas(LPG)			비에너지유 Non-energy Use				
항공유 Jet Oil	소 계 Sub-total	프로판 Propane	부 탄 Butane	소 계[2)] Sub-total	납 사 Naphtha	아스팔트 Asphalt	용 제 Solvent	
2,688	4,962	2,351	2,611	22,785	20,601	1,901	284	1981
2,623	7,224	2,946	4,278	22,394	19,871	2,001	522	1982
2,774	9,930	3,949	5,981	25,796	22,858	1,985	953	1983
2,756	12,201	5,304	6,897	28,460	25,105	2,555	800	1984
3,255	14,247	6,772	7,475	29,456	26,164	2,858	434	1985
3,750	17,585	9,415	8,170	33,007	29,671	2,910	425	1986
4,168	21,216	12,140	9,076	34,927	31,613	2,810	504	1987
4,372	25,904	15,658	10,246	37,596	33,779	3,443	374	1988
5,499	30,329	19,368	10,961	38,051	34,167	3,460	424	1989
6,150	35,712	23,574	12,138	53,123	47,553	5,113	458	1990
6,808	43,132	29,408	13,724	73,048	65,671	7,015	362	1991
8,488	53,917	35,291	18,626	107,479	97,158	9,972	349	1992
10,172	59,437	39,575	19,862	118,440	108,577	9,453	410	1993
11,653	63,452	41,961	21,491	133,372	123,276	9,416	680	1994
13,653	66,468	46,359	20,109	141,731	131,474	9,524	733	1995
17,198	68,442	47,608	20,834	152,662	141,273	10,726	664	1996
19,298	71,623	49,167	22,455	215,059	194,918	11,958	785	1997
17,287	67,992	43,142	24,850	231,433	213,860	9,851	578	1998
18,375	77,007	47,181	29,826	236,786	218,908	10,296	735	1999
18,230	84,688	46,921	37,768	248,196	229,046	10,289	736	2000
20,073	84,376	41,224	43,152	254,564	233,293	11,033	794	2001
20,057	91,415	44,825	46,590	269,310	245,309	10,350	1,271	2002
20,576	88,605	40,724	47,881	279,212	252,417	10,550	2,703	2003
21,225	88,432	37,979	50,453	292,655	262,871	11,668	3,894	2004
25,058	91,668	39,747	51,921	302,359	273,250	10,486	4,380	2005
25,231	93,452	38,732	54,720	316,189	287,003	10,813	4,753	2006
26,147	97,143	39,131	58,012	344,848	316,857	10,889	3,879	2007
25,046	101,881	38,841	63,039	338,607	311,368	9,927	3,330	2008
26,261	106,320	43,264	63,056	352,296	322,622	12,484	3,199	2009
28,190	105,175	45,828	59,347	362,686	331,819	11,115	4,298	2010
28,445	99,201	43,292	55,908	390,118	355,192	10,413	2,877	2011

Notes : 1) Primary energy consumption.
2) From 1997, includes lubricants, paraffin waxes, petroleum coke and other petroleum products.
Source : Korea National Oil Corporation.

3-4-1. 휘발유 Gasoline

단위 : 천 배럴

	공 급 Supply		소 비 Consumption				재 고 Stocks
	생 산 Production	수 출 Exports	고 급 Premium	보 통 Regular	무 연 Unleaded	합 계[1] Total	
1981	6,205	0	1,163	4,841	–	6,003	799
1982	5,132	718	941	3,674	–	4,615	547
1983	4,902	184	931	3,691	–	4,622	557
1984	5,492	45	879	4,516	–	5,394	483
1985	9,731	2,784	950	5,964	–	6,922	497
1986	9,804	1,140	995	7,562	–	8,557	591
1987	10,737	395	949	9,098	307	10,354	808
1988	13,618	37	929	9,612	3,037	13,578	854
1989	18,396	22	733	9,193	8,369	18,295	896
1990	23,939	30	548	8,139	15,006	23,693	1,133
1991	28,536	992	415	6,693	21,605	28,713	1,250
1992	32,348	119	306	5,126	29,816	35,248	1,259
1993	41,271	520	245	56	42,207	42,508	2,853
1994	50,708	568	128	40	50,943	51,088	1,867
1995	60,459	442	52	122	59,208	59,382	2,166
1996	70,935	2,546	1	56	67,915	67,971	2,425
1997	78,648	10,169	–	4	71,354	71,358	3,139
1998	76,026	15,611	–	–	61,089	61,089	2,860
1999	75,159	11,274	–	–	63,879	63,879	3,144
2000	76,202	14,869	–	–	62,382	62,382	3,702
2001	76,507	16,166	–	–	62,707	62,707	3,483
2002	76,943	15,525	–	–	64,078	64,078	3,409
2003	73,048	13,538	–	–	60,484	60,484	3,323
2004	75,494	18,323	–	–	58,151	58,151	3,237
2005	73,823	14,515	–	–	59,561	59,561	3,146
2006	79,677	19,927	–	–	59,874	59,874	3,223
2007	78,212	15,336	–	–	62,500	62,500	3,344
2008	92,864	30,911	–	–	62,937	62,937	2,650
2009	108,680	40,187	–	–	65,872	65,872	3,203
2010	111,811	39,338	–	–	68,931	68,931	3,842
2011	123,612	53,519	–	–	69,574	69,574	3,201

주 : 1) 전환부문 소비량 포함.
자료 : 한국석유공사

3-4-2. 등유 Kerosene

Unit : Thousand barrel

	공 급 Supply			소 비 Consumption					재 고 Stocks
	생 산 Production	수 입 Imports	수 출 Exports	산 업 Industry	수 송 Transportation	가정/상업 Residential/ Commercial	공 공 Public	합 계[1] Total	
1981	8,154	–	704	1,133	155	6,293	269	7,853	596
1982	8,244	–	704	1,088	164	6,116	276	7,648	567
1983	9,199	–	1,158	1,355	345	5,867	254	7,823	–
1984	9,109	–	1,333	1,286	235	6,302	220	8,044	487
1985	10,699	–	1,892	1,401	148	6,128	254	7,932	630
1986	9,533	–	1,724	1,752	228	5,745	259	7,985	446
1987	7,140	2,588	1,289	1,855	155	5,887	258	8,156	454
1988	10,803	475	1,100	2,227	107	7,311	320	9,987	772
1989	12,747	4,156	1,515	2,631	113	11,177	460	14,382	1,317
1990	13,537	17,465	97	4,480	156	19,370	933	24,942	6,233
1991	13,596	9,771	–	4,753	152	20,156	535	25,599	1,966
1992	23,309	8,986	3	5,100	236	36,621	540	34,249	3,277
1993	31,915	16,016	5	5,435	254	46,946	581	43,259	5,003
1994	32,305	17,087	465	5,564	219	41,458	580	47,835	5,954
1995	41,921	23,361	564	7,284	229	54,439	698	62,669	6,294
1996	51,302	27,679	2,913	7,501	297	65,103	737	73,662	8,025
1997	71,899	15,769	10,250	14,085	283	70,010	627	85,025	6,275
1998	62,501	5,103	6,949	11,695	350	48,715	626	61,457	7,751
1999	90,501	2,687	14,986	8,538	159	66,062	1,053	76,928	7,933
2000	87,797	6,870	19,874	8,237	91	59,637	960	69,909	10,768
2001	74,833	5,310	18,006	6,562	132	53,775	677	61,707	8,670
2002	61,646	6,917	10,205	6,737	229	49,819	601	58,464	4,919
2003	63,338	6,624	13,144	5,983	189	44,336	587	52,874	6,149
2004	49,446	1,710	7,693	5,585	110	36,005	555	43,090	4,448
2005	43,294	360	4,455	5,479	87	32,369	656	39,392	2,827
2006	40,389	259	4,763	4,711	66	24,939	655	31,450	4,733
2007	28,387	514	1,249	4,381	48	20,367	535	26,172	3,631
2008	30,917	379	2,396	4,307	51	21,979	644	27,659	2,410
2009	32,514	68	5,425	4,164	52	20,292	729	25,991	2,308
2010	38,681	331	6,462	4,983	79	22,851	743	29,354	3,009
2011	34,718	417	8,960	4,252	84	20,144	588	25,430	2,429

Note : 1) Includes transformation consumption.
Source : Korea National Oil Corporation.

3-4-3. 경유 Diesel

단위 : 천 배럴

	공 급 Supply			소 비 Consumption					재 고 Stocks
	생 산 Production	수 입 Imports	수 출 Exports	산 업 Industry	수 송 Transportation	가정/상업 Residential/ Commercial	공 공 Public	합 계[1] Total	
1981	40,622	132	950	10,927	13,238	9,212	5,076	38,983	2,075
1982	40,716	1,204	1,428	10,082	16,683	7,975	5,076	40,133	2,104
1983	48,560	1,092	4,687	9,505	23,135	6,049	5,247	44,609	2,009
1984	54,167	1,780	4,554	10,783	25,769	7,048	5,027	49,639	2,053
1985	54,720	2,504	4,636	11,969	28,117	6,542	4,973	52,188	1,919
1986	58,721	4,194	5,037	13,554	31,498	6,287	5,240	57,137	1,921
1987	59,605	10,208	5,551	14,751	35,781	7,400	5,115	63,536	1,776
1988	73,917	7,863	5,808	17,151	41,747	9,961	4,906	74,408	2,659
1989	88,340	6,950	8,363	18,319	46,628	12,543	5,637	83,901	3,979
1990	94,556	13,586	10,453	20,658	52,974	16,451	5,590	97,449	3,315
1991	127,271	10,803	20,661	23,939	59,595	23,187	5,884	114,521	4,778
1992	152,577	5,781	27,124	24,823	65,137	28,547	4,873	127,434	6,763
1993	167,967	11,227	35,709	26,229	70,771	34,190	4,666	138,021	8,005
1994	169,040	17,435	34,310	27,892	76,741	34,797	4,945	147,269	8,567
1995	180,908	32,190	42,443	29,303	86,416	36,534	4,758	163,113	11,115
1996	216,446	18,540	54,208	31,020	92,797	33,147	5,085	172,406	11,791
1997	264,173	3,134	93,711	31,795	90,489	30,859	4,964	166,790	12,257
1998	232,500	2,198	109,238	23,498	71,581	19,647	3,771	120,372	10,262
1999	218,670	2,311	88,353	22,985	80,163	18,141	3,687	126,072	9,648
2000	227,999	2,818	96,675	25,080	90,819	9,502	3,529	129,429	10,254
2001	218,888	6,681	90,440	25,164	94,977	8,095	3,628	132,168	8,903
2002	207,736	12,928	76,235	23,188	103,165	7,340	3,653	138,045	7,106
2003	202,677	11,141	60,817	21,125	110,119	8,190	3,618	145,366	7,306
2004	212,548	4,290	68,038	19,618	112,048	8,481	3,447	143,799	8,951
2005	230,964	1,912	85,890	19,188	111,452	8,190	3,564	142,529	7,420
2006	238,350	1,582	91,520	20,530	112,078	5,720	3,906	142,433	8,354
2007	253,196	765	102,974	20,983	114,148	6,104	3,908	145,327	10,197
2008	264,470	369	130,936	18,870	105,178	6,647	3,735	134,513	8,573
2009	261,714	836	125,474	19,275	104,088	4,894	3,908	132,308	7,461
2010	268,392	758	130,761	20,333	105,188	4,783	4,098	134,648	8,313
2011	292,281	950	159,181	20,083	104,809	4,903	3,754	134,157	7,406

주 : 1) 전환부문 소비량 포함.
자료 : 한국석유공사

3-4-4. 중유 Residual Fuel Oil

Unit : Thousand barrel

	공 급 Supply			소 비 Consumption					재 고 Stocks
	생 산 Production	수 입 Imports	수 출 Exports	산 업 Industry	수 송 Transportation	가정/상업 Residential/ Commercial	공 공 Public	합 계[1] Total	
1981	85,532	10,538	–	34,029	4,051	6,457	1,855	94,428	5,458
1982	81,377	14,560	886	29,964	3,806	6,333	1,825	91,274	5,574
1983	86,089	10,891	4,728	29,609	3,471	6,626	2,036	89,787	4,895
1984	84,867	11,477	9,792	31,091	3,407	6,915	1,952	80,377	4,528
1985	73,551	9,529	7,475	30,673	3,671	7,343	2,266	71,842	2,890
1986	74,137	10,822	8,677	33,260	4,542	7,897	2,403	67,898	4,068
1987	73,221	14,978	14,702	37,070	8,115	8,432	2,509	63,238	3,484
1988	89,753	10,883	10,590	42,693	8,062	9,668	2,657	80,158	3,520
1989	105,091	11,393	13,262	49,177	8,136	10,501	2,385	91,080	4,636
1990	102,942	27,658	12,091	58,458	8,435	11,801	2,020	108,675	3,624
1991	148,183	34,208	37,925	64,059	9,965	11,312	2,161	126,933	6,187
1992	179,376	34,271	50,705	70,471	12,091	11,736	2,072	144,485	9,383
1993	189,121	32,624	49,693	73,505	15,109	11,918	2,160	150,031	8,292
1994	196,381	35,485	40,082	78,902	17,587	12,307	1,848	164,157	11,152
1995	209,252	24,824	40,238	76,187	20,389	12,985	1,125	167,575	10,255
1996	214,906	29,143	43,075	78,324	22,303	12,190	1,094	168,072	11,205
1997	238,088	26,757	50,242	69,937	33,935	10,246	1,029	164,742	12,684
1998	210,102	12,926	60,240	58,104	24,400	6,142	602	110,645	10,838
1999	240,579	16,497	82,375	65,076	25,121	6,390	535	120,610	10,465
2000	230,463	25,107	72,157	59,190	25,287	5,676	404	129,721	11,667
2001	225,643	22,318	67,011	54,968	24,148	5,915	325	128,072	12,273
2002	189,123	23,672	35,025	53,899	24,650	5,573	269	121,499	11,607
2003	204,000	13,759	45,835	49,565	24,979	5,725	293	115,821	10,251
2004	201,969	8,282	45,539	45,337	22,688	5,650	246	104,977	11,779
2005	211,147	4,021	56,065	42,286	23,190	5,909	275	100,513	9,356
2006	207,385	8,737	58,266	38,040	25,078	4,732	240	96,892	10,744
2007	184,223	5,910	42,699	33,953	23,380	5,414	538	92,809	9,425
2008	150,575	7,192	35,207	26,930	20,014	6,511	151	69,997	9,543
2009	124,579	19,828	25,394	24,698	18,688	3,072	179	69,432	9,117
2010	126,169	17,478	25,565	22,942	18,510	2,776	198	65,294	10,031
2011	124,916	15,392	34,214	18,675	19,174	1,994	171	54,997	11,235

Note : 1) Includes transformation consumption.
Source : Korea National Oil Corporation.

3-4-5. 액화석유가스 Liquefied Petroleum Gases(LPG)

단위 : 천 배럴

	공 급 Supply			소 비 Consumption					재 고 Stocks
	생 산 Production	수 입 Imports	수 출 Exports	산 업 Industry	수 송 Transportation	가정/상업 Residential/ Commercial	공 공 Public	합 계[1] Total	
1981	4,055	932	–	777	1,828	2,198	50	4,962	173
1982	4,952	2,577	–	833	3,331	2,850	67	7,224	182
1983	6,106	4,099	–	1,067	5,278	3,274	100	9,930	740
1984	6,476	6,224	–	1,181	6,172	4,470	174	12,201	84
1985	7,413	6,708	–	1,170	6,776	5,698	160	14,247	770
1986	9,714	7,872	–	1,354	7,501	7,994	99	17,585	1,200
1987	10,961	10,214	105	1,387	8,476	10,775	59	21,216	864
1988	11,059	15,078	17	1,566	9,903	13,665	74	25,904	697
1989	10,999	20,229	375	1,849	10,241	16,942	71	30,329	1,087
1990	11,994	27,125	1,098	2,250	11,284	19,693	80	35,712	2,427
1991	12,746	30,301	1,343	4,281	11,719	22,462	79	43,132	1,673
1992	14,666	39,631	655	9,614	12,831	24,945	41	53,917	2,587
1993	13,982	45,478	1,336	9,649	14,009	26,980	36	59,437	2,249
1994	14,710	48,595	1,338	11,484	15,350	26,387	76	63,452	1,083
1995	16,042	53,102	2,911	10,114	16,289	27,321	58	66,468	910
1996	16,040	55,149	3,511	10,447	17,166	28,975	77	68,442	841
1997	20,854	57,230	4,557	15,788	18,357	29,488	158	71,623	4,184
1998	27,506	49,144	10,484	18,675	19,293	25,597	252	67,992	3,890
1999	30,229	57,659	13,649	20,280	23,983	27,997	235	77,007	3,085
2000	34,915	55,763	8,131	19,353	31,847	30,044	244	84,688	3,077
2001	39,362	48,062	4,820	16,669	36,388	29,197	245	84,376	2,523
2002	40,507	56,216	2,882	20,214	39,002	30,325	198	91,415	4,790
2003	38,126	50,801	2,894	18,513	40,720	28,275	172	88,605	5,391
2004	38,580	47,884	964	19,933	42,114	25,294	142	88,432	6,333
2005	37,276	49,689	714	20,561	43,379	26,118	214	91,668	5,078
2006	35,953	54,003	762	24,039	44,666	23,657	255	93,452	4,847
2007	33,951	58,172	532	25,396	47,504	23,146	331	97,143	3,052
2008	34,534	63,041	372	31,912	47,472	21,426	264	101,881	2,542
2009	35,133	66,191	126	34,173	48,956	20,505	237	106,320	2,231
2010	32,631	69,629	911	31,666	48,610	19,734	269	105,175	2,585
2011	18,319	73,940	905	26,912	46,235	19,307	237	99,201	3,102

주 : 1) 전환부문 소비량 포함.
자료 : 한국석유공사

3-4-6. 납사 Naphtha

Unit : Thousand barrel

	공 급 Supply			소 비 Consumption				재 고 Stocks
	생 산 Production	수 입 Imports	수 출 Exports	산 업 Industry	도시가스 Town Gas	기 타 Others	합 계 Total	
1981	21,452	1,559	1,368	20,461	140	–	20,601	–
1982	20,990	1,449	2,937	19,687	183	1	19,871	–
1983	21,748	5,612	4,292	22,651	197	9	22,858	–
1984	27,094	4,912	6,253	24,844	260	–	25,105	1,005
1985	27,419	5,351	5,864	25,825	339	–	26,164	1,632
1986	27,508	8,652	6,800	29,223	448	–	29,671	1,494
1987	29,904	10,348	7,204	31,313	300	–	31,613	1,765
1988	35,229	7,645	9,868	33,575	204	–	33,779	1,171
1989	35,883	6,523	7,666	33,876	291	–	34,167	1,799
1990	35,483	15,409	3,325	47,324	220	–	47,553	1,702
1991	53,044	25,497	5,625	65,242	–	429	65,671	3,075
1992	65,259	50,652	6,031	97,158	–	–	97,158	6,394
1993	65,480	68,084	10,832	108,577	–	–	108,577	6,717
1994	67,970	72,168	9,148	123,276	–	–	123,276	6,260
1995	88,319	71,837	21,337	131,474	–	–	131,474	5,326
1996	103,128	80,204	30,771	141,273	–	–	141,273	6,774
1997	154,319	79,326	36,942	194,918	–	–	194,918	8,080
1998	153,832	105,100	44,848	213,860	–	–	213,860	7,978
1999	164,447	101,119	46,218	218,908	–	–	218,908	6,189
2000	167,012	111,283	48,849	229,046	–	–	229,046	6,926
2001	162,670	119,738	51,228	233,293	–	–	233,293	9,160
2002	163,912	121,912	44,943	245,309	–	–	245,309	7,623
2003	148,923	131,981	30,970	252,417	–	–	252,417	5,878
2004	167,843	131,368	31,157	262,871	–	–	262,871	10,975
2005	176,369	123,292	25,793	273,250	–	–	273,250	11,554
2006	183,067	126,964	27,991	287,003	–	–	287,003	10,655
2007	196,755	143,766	29,423	316,857	–	–	316,857	9,634
2008	173,746	153,381	22,915	311,368	–	–	311,368	9,699
2009	159,064	180,840	26,569	322,622	–	–	322,622	8,330
2010	169,721	188,600	32,111	331,819	–	–	331,819	8,837
2011	195,101	188,507	35,386	355,192	–	–	355,192	8,809

Note : 1) Includes transformation consumption.
Source : Korea National Oil Corporation.

3-5. 부문별 석유제품 소비(2011)

단위 : 천 배럴

	합 계		에너지유 Energy Use							
	Tatal	%	소 계 Sub-total	휘발유 Gasoline	등 유 Kerosene	경 유 Diesel	경질중유 Bunker-A	중 유 Bunker-B	중질중유 Bunker-C	항공유 Jet Oil
합 계	**801,643**	**100.0**	**312,603**	**69,574**	**25,430**	**134,157**	**2,213**	**1,280**	**51,505**	**28,445**
산 업 부 문	**459,610**	**57.3**	**44,565**	**1,555**	**4,252**	**20,082**	**800**	**821**	**17,055**	**0**
농림수산업	15,207	1.9	15,161	1,077	2,051	11,217	204	336	276	-
광 업	653	0.1	570	2	59	339	58	43	68	-
제 조 업	427,143	53.3	22,837	333	1,809	3,591	314	270	16,520	0
음 식 . 담 배	1,486	0.2	1,157	4	119	71	13	36	914	-
섬 유 . 의 복	1,776	0.2	1,648	26	212	45	9	31	1,324	-
목 재 . 나 무	191	0.0	176	7	28	57	9	1	73	-
펄 프 . 인 쇄	1,440	0.2	1,357	3	61	52	2	32	1,208	-
석 유 . 화 학	395,804	49.4	6,218	4	184	512	14	18	5,487	-
비 금 속	5,712	0.7	4,143	3	37	679	13	45	3,366	-
1 차 금 속	1,747	0.2	968	0	9	37	1	3	918	-
비 철 금 속	586	0.1	381	0	0	20	4	5	352	-
기 계 조 립	1,730	0.2	1,264	52	206	378	82	20	525	0
수 송 장 비	2,443	0.3	2,150	183	30	894	130	8	905	0
기 타 제 조	9,178	1.1	2,978	52	918	824	37	67	1,081	-
기타에너지	5,050	0.6	392	0	4	24	1	3	367	-
건설업	16,608	2.1	5,997	144	332	4,935	225	172	190	-
수 송 부 문	**262,621**	**32.8**	**216,307**	**67,448**	**84**	**104,809**	**1,226**	**259**	**17,689**	**24,792**
철도운수	1,232	0.2	1,231	-	0	1,231	-	-	-	-
육상운수	214,780	26.8	168,479	67,448	80	100,846	40	8	58	-
수상운수	21,692	2.7	21,688	-	2	2,677	1,179	240	17,591	-
항공운수	24,917	3.1	24,908	-	3	55	7	11	40	24,792
가 정 부 문	**29,362**	**3.7**	**19,433**	**105**	**14,641**	**3,606**	**16**	**17**	**1,048**	**-**
상 업 부 문	**18,445**	**2.3**	**7,861**	**146**	**5,503**	**1,296**	**131**	**160**	**623**	**2**
공 공 부 문	**8,861**	**1.1**	**8,481**	**316**	**588**	**3,754**	**40**	**22**	**108**	**3,652**
전 환 부 문	**22,743**	**2.8**	**15,955**	**3**	**361**	**609**	**0**	**-**	**14,983**	**-**
발 전	14,435	1.8	14,240	3	360	599	-	-	13,278	-
지역난방	1,709	0.2	1,706	-	0	0	0	-	1,704	-
가스제조	6,599	0.8	10	-	0	9	-	-	-	-

주 : 1) 파리핀왁스, 석유코크, 기타제품 포함.
자료 : 한국석유공사

3-5. Petroleum Products Consumption by Sector(2011)

Unit : Thousand barrel

액화석유가스 Liquefied Petroleum Gas(LPG)			비에너지유 Non-energy Use						
소 계 Sub-total	프로판 Propane	부 탄 Butane	소 계 Sub-total	납 사 Naphtha	아스팔트 Asphalt	용 제 Solvent	윤활유 Lubricant	기 타[1] Others	
99,201	**43,292**	**55,908**	**389,839**	**355,192**	**10,413**	**2,877**	**3,409**	**17,948**	**Total**
26,912	**18,473**	**8,439**	**388,133**	**355,192**	**10,413**	**2,502**	**3,409**	**16,616**	**Industry**
29	29	0	17	–	–	2	–	16	Agriculture/Forestry/Fishery
22	22	–	61	–	–	2	–	59	Mining
26,697	18,258	8,439	377,609	355,192	–	2,488	3,409	16,520	Manufacturing
193	163	30	136	–	–	–	–	136	Food & Tobacco
33	32	1	96	–	–	49	–	47	Textile & Apparel
3	3	–	12	–	–	10	–	2	Wood & Wood Products
28	28	0	55	–	–	34	–	21	Pulp & Publications
19,063	11,685	7,378	370,523	355,192	–	1,942	–	13,389	Petroleum/Chemical
266	266	1	1,303	–	–	2	–	1,301	Non-metallic
755	505	250	24	–	–	8	–	16	Iron & Steel
163	163	0	42	–	–	7	–	35	Non-ferrous
322	303	19	145	–	–	28	–	117	Machinery Equipment
262	236	26	31	–	–	2	–	29	Transport Equipment
5,133	4,425	708	1,067	–	–	377	–	690	Other Manufacturing
477	452	26	4,175	–	–	30	3,409	736	Other Energy
165	164	0	10,446	–	10,413	10	–	23	Construction
46,235	**12**	**46,223**	**79**	**–**	**–**	**1**	**–**	**78**	**Transportation**
0	0	–	1	–	–	0	–	1	Rail
46,226	3	46,223	74	–	–	1	–	73	Road
4	4	–	0	–	–	0	–	0	Water
5	5	–	4	–	–	–	–	4	Air
9,487	**9,232**	**256**	**442**	**–**	**–**	**294**	**–**	**148**	**Residentail**
9,820	**8,832**	**988**	**764**	**–**	**–**	**76**	**–**	**688**	**Commercial**
237	**237**	**0**	**143**	**–**	**–**	**4**	**–**	**139**	**Public & Other**
6,509	**6,507**	**3**	**279**	**–**	**–**	**–**	**–**	**279**	**Trasformation**
0	–	–	195	–	–	–	–	195	Power Generation
1	1	0	3	–	–	–	–	3	District Heating
6,508	6,505	3	82	–	–	–	–	82	Gas Manufacturing

Note : 1) Includes paraffin waxes, petroleum coke and other petroleum Products
Source : Korea National Oil Corporation.

4 석유제품 소비자가격 Retail Prices of Petroleum Products

	휘발유[1] Gasoline	실내등유[1] Kerosene	자동차용 경유[1] Diesel	프로판[2] Propane	부 탄[3] Butane	
					가정/상업용 Residential/ Commercial	자동차용 Automobile fuel
	원/리터(Won/ℓ)			원/킬로그램(Won/kg)		원/리터(Won/ℓ)
1981	–	257.7	245.9	848.0	740.2	407.0
1982	–	292.0	278.0	836.3	736.2	413.8
1983	–	292.3	278.3	747.7	647.9	361.5
1984	–	291.0	277.0	740.0	640.0	356.8
1985	–	291.0	277.0	740.0	640.0	356.8
1986	–	249.2	238.3	605.9	502.3	272.6
1987	547.0	234.7	225.1	556.4	443.4	225.3
1988	445.6	194.7	187.3	458.6	336.6	153.7
1989	379.8	186.0	179.0	514.0	293.0	126.3
1990	383.5	191.3	179.0	415.0	293.0	126.3
1991	482.2	226.9	179.0	430.4	286.3	–
1992	546.0	231.1	195.1	449.4	293.9	–
1993	610.0	254.0	210.0	460.0	304.0	–
1994	611.0	252.3	219.5	475.0	304.0	–
1995	598.0	261.6	231.5	489.7	314.9	–
1996	675.9	314.3	294.1	510.0	330.0	–
1997	838.7	373.5	376.2	599.0	417.8	–
1998	1,122.6	524.2	553.5	815.0	620.0	–
1999	1,191.9	491.2	521.8	678.3	483.3	282.2
2000	1,248.4	559.6	612.8	809.3	614.3	358.7
2001	1,280.0	580.2	644.6	919.0	755.1	440.0
2002	1,269.1	554.4	677.6	887.3	639.3	457.7
2003	1,294.8	638.8	772.0	980.0	698.5	567.4
2004	1,365.3	752.2	907.9	1,050.2	750.6	673.9
2005	1,432.3	871.0	1,079.7	1,131.5	807.1	723.4
2006	1,492.4	931.9	1,228.2	1,242.7	889.3	747.9
2007	1,525.9	932.2	1,272.7	1,330.6	931.3	773.8
2008	1,692.1	1,238.7	1,614.4	1,789.9	1,343.0	1,009.0
2009	1,600.7	976.2	1,397.5	1,577.2	1,191.0	828.7
2010	1,710.4	1,076.0	1,502.8	1,812.7	1,320.3	952.2
2011	1,929.3	1,321.2	1,745.7	2,034.0	1,480.4	1,076.1

주 : 1) 주유소 판매가격
2) 일반용 프로판의 판매소 판매가격.
3) 충전소 판매가격
(단, 1999년 이전의 자동차용은 도시가스용 부탄의 정유사 판매가격이며 단위는 원/kg 임.)
자료 : 한국석유공사(www.petronet.co.kr)

Ⅲ. 가스 · 신재생에너지

Gas & Renewable Energy

1. 천연가스 수급
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2. 국별 천연가스 수입
LNG Imports by Country of Origin

3. 천연가스 생산설비
LNG Production Facilities

4. 용도별 도시가스 소비
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5. 부문별 도시가스 소비
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6. 지역별 도시가스 수요가 수
Number of Town Gas Customers by Region

7. 도시가스 가격
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8. 신재생에너지 생산량
Production of New & Renewable Energy

9. 신재생에너지 생산량(열량)
Production of New & Renewable Energy(TOE)

10. 신재생에너지 보급
Capacity of New & Renewable Energy

1 천연가스 수급 LNG Overview

	공 급 Supply			수 요[2] Demand					재 고 Stocks
	국내생산 Production	수 입[1] Imports		합 계 Total	발 전 Power Generation	지역난방 District Heating	도시가스 제조 Gas Manufacturing	기 타[3] Own Use & Loss	
	1,000 ton	1,000 ton	mil. USD	1,000 ton					
1988	–	1,898	323	1,621	1,537	–	75	9	126
1989	–	2,015	347	2,094	1,905	–	184	5	96
1990	–	2,237	460	2,329	1,741	–	576	12	46
1991	–	2,494	485	2,694	1,800	–	879	15	110
1992	–	2,994	562	3,524	2,225	–	1,256	43	67
1993	–	4,459	781	4,402	2,518	–	1,847	37	97
1994	–	5,996	961	5,860	3,215	114	2,451	80	157
1995	–	6,756	1,275	7,087	3,562	–	3,417	108	103
1996	–	9,258	1,878	9,362	4,449	173	4,561	179	369
1997	–	11,471	2,296	11,379	5,198	179	5,770	232	605
1998	–	10,189	1,549	10,645	4,030	160	6,233	222	527
1999	–	12,284	1,973	12,960	4,591	177	7,886	306	539
2000	–	15,239	3,882	14,556	4,353	335	9,528	340	591
2001	–	15,318	3,990	15,990	4,657	630	10,300	403	27
2002	–	17,993	4,120	17,768	5,900	609	11,194	65	426
2003	–	19,308	5,082	18,611	5,853	615	11,978	165	1,063
2004	163	21,781	6,552	21,809	8,242	576	12,504	487	1,602
2005	398	22,317	8,646	23,350	8,359	685	14,077	229	959
2006	355	25,256	11,925	24,619	9,860	619	13,957	183	1,936
2007	271	25,569	12,653	26,664	11,296	631	14,596	141	1,099
2008	181	27,259	19,806	27,439	11,175	603	15,489	173	2,558
2009	383	25,822	13,875	26,083	9,705	524	15,634	220	1,748
2010	415	32,603	17,006	33,083	14,648	651	17,571	213	2,667
2011	347	36,685	23,859	35,603	14,759	1,760	18,255	214	3,323

주 : 1) 한국무역협회의 "한국무역통계-품목별 수출입" 자료이며 통관기준 통계량임.
2) 직도입사 산업용 소비량의 2010년 이전 통계는 "발전" 및 "도시가스 제조" 에 포함되어 있으며, 2010년부터는 "합계" 에만 포함되어 있음.
3) 자체소비, 미계량, 시운전, 시험 등의 용도로 사용된 소비량임.
자료 : 한국가스공사, LNG 직도입사, 한국무역협회(www.kita.net).

2 국별 천연가스 수입 LNG Imports by Country of Origin

단위 : 천 톤 Unit : Thousand Ton

	합 계 Total	인도네시아 Indonesia	카타르 Qatar	말레이시아 Malaysia	오 만 Oman	브루나이 Brunei	호 주 Australia	이집트 Egypt	기 타[1] Other
1988	1,898	1,898	–	–	–	–	–	–	–
1989	2,015	2,015	–	–	–	–	–	–	–
1990	2,237	2,237	–	–	–	–	–	–	0
1991	2,494	2,436	–	58	–	–	–	–	–
1992	2,994	2,935	–	58	–	–	–	–	–
1993	4,459	4,112	–	290	–	–	57	–	–
1994	5,996	5,433	–	292	–	271	–	–	–
1995	6,756	4,892	–	1,040	–	710	114	–	–
1996	9,258	5,975	–	2,573	–	654	56	–	0
1997	11,471	6,730	–	3,928	–	757	–	–	56
1998	10,189	6,736	–	2,851	–	541	–	–	61
1999	12,284	7,943	480	3,046	–	698	–	–	117
2000	15,239	6,633	3,251	2,529	1,619	849	54	–	304
2001	15,318	4,055	4,655	2,175	3,784	591	57	–	0
2002	17,993	5,256	5,123	2,400	3,970	769	176	–	298
2003	19,308	5,200	5,694	2,798	4,714	610	123	–	169
2004	21,781	5,290	5,818	4,638	4,411	838	285	–	501
2005	22,317	5,502	6,211	4,688	4,244	594	748	270	62
2006	25,256	5,060	6,458	5,546	5,221	850	701	955	466
2007	25,569	3,755	8,031	6,161	4,792	590	422	1,122	695
2008	27,259	3,053	8,744	6,247	4,544	738	398	1,414	2,121
2009	25,822	3,084	6,973	5,874	4,551	530	1,314	239	3,257
2010	32,603	5,451	7,449	4,745	4,557	787	1,030	735	7,850
2011	36,685	7,894	8,153	4,144	4,195	756	787	456	10,299

주 : 1) 러시아, 예멘, 적도 기니, 트리니다드, 나이지리아, 알제리, 아랍에미레이트 등임.
자료 : 한국무역협회(www.kita.net).

3 천연가스 생산설비 LNG Production Facilities

	생산설비 Production Facilities				배관길이 Pipeline Length
	접안설비 Loading Facility	저장탱크 Storage Tank	기화설비 Gasification Facility	송출설비 Sending Facility	
	선 좌	10만㎘	톤/시간 (ton/h)		km
1987	1	4.0	396	480	212.6
1988	1	4.0	396	480	223.9
1989	1	4.0	396	480	223.9
1990	1	4.0	396	480	223.9
1991	1	4.0	576	700	242.0
1992	1	4.0	1,116	1,140	339.5
1993	1	5.0	1,386	1,470	580.0
1994	1	6.0	1,656	1,800	598.7
1995	1	7.0	1,656	1,800	1,055.4
1996	2	10.0	2,916	3,120	1,309.0
1997	3	13.0	3,276	3,340	1,327.6
1998	3	16.0	3,636	3,780	1,481.9
1999	3	19.0	4,356	4,660	1,955.3
2000	4	20.0	4,626	4,880	2,065.7
2001	4	22.8	5,076	4,990	2,136.3
2002	5	29.6	6,066	6,090	2,442.9
2003	5	34.4	6,516	6,310	2,435.2
2004	5	41.8	6,976	7,190	2,451.0
2005	5	44.6	7,336	7,630	2,511.4
2006	5	48.8	8,056	8,070	2,519.6
2007	5	51.6	8,596	9,060	2,720.9
2008	5	59.2	9,136	9,500	2,739.0
2009	5	61.2	9,436	9,610	2,777.0
2010	5	71.2	9,916	11,040	2,879.4
2011	5	83.2	10276	11040	3,022.6

자료 : 한국가스공사(2012), "경영통계"

4 용도별 도시가스 소비 Town Gas Consumption by Use

단위 : 천 ㎥ Unit : Thousand ㎥

	합 계 Total	가정용 Residential		일반용 (상업용) Commercial	업무용 Office	산업용 Industrial	열병합발전 CHP	수송용 Transportation
		취 사 Cooking	난 방 Space Heating					
1982	26,028	–	–	–	–	–	–	–
1983	28,742	27,248	–	1,494	–	–	–	–
1984	48,201	42,743	–	4,513	50	895	–	–
1985	79,692	55,376	–	9,445	714	14,157	–	–
								–
1986	125,999	70,962	–	15,182	2,142	37,713	–	–
1987	189,733	67,446	23,755	19,320	7,598	71,614	–	–
1988	322,946	84,022	57,515	27,449	48,898	105,062	–	–
1989	589,479	112,412	120,968	37,543	167,589	150,967	–	–
1990	963,345	140,023	292,717	47,593	259,621	223,391	–	
1991	1,466,912	187,919	582,690	62,766	335,414	298,123	–	–
1992	2,113,518	243,965	1,006,533	73,496	430,370	359,154	–	–
1993	2,951,154	301,984	1,526,176	91,797	501,082	438,077	92,038	–
1994	3,941,663	394,807	2,137,061	104,530	628,405	571,814	105,046	–
1995	5,327,485	477,015	3,003,666	128,426	761,937	821,746	134,695	–
1996	6,780,016	588,539	3,801,731	162,560	942,981	1,102,816	181,389	–
1997	7,893,419	680,905	4,364,056	178,643	1,013,179	1,424,511	232,125	–
1998	8,193,908	765,638	4,310,762	238,265	930,315	1,726,479	222,449	–
1999	10,205,272	823,070	5,271,132	336,562	1,116,473	2,410,083	247,952	–
2000	12,180,448	902,700	6,100,221	686,113	1,074,457	3,150,793	266,164	–
2001	12,858,786	961,288	6,206,838	820,031	1,160,653	3,429,171	270,338	10,467
2002	14,090,741	1,054,822	6,668,146	1,015,962	1,192,414	3,794,484	289,000	75,913
2003	14,971,677	1,118,896	7,005,543	1,207,702	1,224,401	3,978,482	297,996	138,657
2004	15,671,349	1,154,023	7,070,975	1,384,659	1,332,843	4,173,380	329,941	225,528
2005	17,294,696	1,192,657	7,706,330	1,576,395	1,598,273	4,433,759	464,185	323,097
2006	17,614,948	1,256,203	7,540,493	1,677,456	1,568,895	4,616,267	503,115	452,519
2007	18,190,408	1,320,845	7,429,202	1,752,143	1,597,373	4,952,347	555,719	582,779
2008	19,237,924	1,379,507	7,463,631	1,791,507	1,613,490	5,623,731	629,756	736,302
2009	19,405,838	1,437,463	7,443,115	1,788,787	1,614,604	5,583,648	628,427	909,794
2010	21,953,776	1,482,619	8,124,063	1,864,050	1,723,507	6,947,055	758,742	1,053,740
2011	22,950,663	1,558,603	8,014,449	1,865,820	1,575,315	7,946,294	877139	1,113,043

자료 : 한국도시가스협회(2012), "도시가스사업편람"

5 부문별 도시가스 소비

단위 : 백만 ㎥

	합 계 Total	산 업 Industry	농림수산업·광업 Agriculture/ Fishery/ Mining	제조업 Manufacturing	음식.담배 Food/ Tobacco	섬유.의복 Textile/ Apparel	목재.나무 Wood/ Wood Products	펄프.인쇄 Pulp/ Publications	석유.화학 Petroleum/ Chemical
1981	21	–	–	–	–	–	–	–	–
1982	25	–	–	–	–	–	–	–	–
1983	34	–	–	–	–	–	–	–	–
1984	47	1	–	1	0	–	–	–	–
1985	77	14	–	14	1	0	–	–	–
1986	120	36	–	36	2	0	–	–	–
1987	181	68	–	68	4	0	–	–	–
1988	308	100	–	100	5	1	–	–	–
1989	590	151	–	151	13	8	–	1	2
1990	963	223	0	223	10	12	0	2	12
1991	1,467	298	0	298	14	16	0	3	16
1992	2,114	359	0	359	15	19	0	4	24
1993	2,883	438	0	438	15	26	0	7	27
1994	3,864	572	0	571	19	42	1	16	34
1995	5,327	822	1	821	29	63	3	21	52
1996	6,607	1,139	1	1,139	38	89	2	24	76
1997	7,708	1,425	1	1,423	40	130	3	30	109
1998	8,024	1,725	1	1,724	64	219	3	36	156
1999	10,012	2,410	2	2,407	137	281	2	58	204
2000	11,963	3,151	14	3,137	168	407	2	63	304
2001	12,657	3,440	23	3,416	181	418	2	62	317
2002	13,873	3,794	18	3,776	239	421	3	64	381
2003	14,734	3,978	22	3,956	262	410	5	61	425
2004	15,420	4,173	24	4,150	258	400	35	63	417
2005	16,963	4,434	26	4,408	250	379	8	72	429
2006	17,504	4,616	26	4,590	241	367	15	87	379
2007	17,967	4,952	2	4,951	391	304	37	122	720
2008	18,734	5,624	6	5,618	458	424	42	183	1,097
2009	18,445	5,584	4	5,579	488	423	60	222	1,021
2010	19,982	6,947	4	6,942	567	512	50	288	1,563
2011	21,679	7,946	4	7,942	626	558	46	382	2,092

자료 : 한국도시가스협회(2012), "도시가스사업편람"

5 Town Gas Consumption by Sector

Unit : Million ㎥

비금속 Nom-metallic	1차금속 Iron/Steel	조립금속 Fabricated Metal	기타제조 Other Manufacturing	건 설 Construction	수 송 Transportation	가 정 Residential	상 업 Commercial	공 공 Public	
–	–	–	–	–	–	21	–	–	1981
–	–	–	–	–	–	25	–	–	1982
–	–	–	–	–	–	34	–	–	1983
0	0	0	–	–	–	46	–	–	1984
3	3	7	–	0	–	63	–	–	1985
8	9	18	–	0	–	84	–	–	1986
14	17	33	–	0	–	113	–	–	1987
21	24	49	–	0	–	208	–	–	1988
35	14	79	–	–	–	439	–	–	1989
35	61	81	9	–	–	433	307	–	1990
47	81	108	12	–	–	771	333	64	1991
57	98	123	19	–	–	1,251	425	78	1992
68	120	152	24	–	–	1,920	413	112	1993
81	161	186	33	–	–	2,637	518	136	1994
103	199	265	87	–	–	3,588	799	119	1995
112	269	412	116	–	–	4,300	1,022	145	1996
138	330	472	172	–	–	5,045	1,085	154	1997
149	354	440	303	0	–	5,087	1,059	152	1998
202	479	580	464	0	–	6,104	1,309	189	1999
240	616	687	650	0	–	7,003	1,591	218	2000
252	681	704	799	–	7	7,168	1,796	247	2001
261	685	748	974	0	76	7,723	2,030	250	2002
293	759	762	980	0	139	8,124	2,246	246	2003
321	843	845	969	0	226	8,225	2,530	266	2004
339	926	903	1,102	0	323	9,070	2,838	298	2005
488	983	902	1,127	0	452	9,224	3,021	190	2006
446	1,314	1,059	559	0	583	9,216	2,946	270	2007
395	1,184	1,234	601	0	736	9,122	2,975	277	2008
419	1,094	1,382	470	0	910	8,784	2,905	262	2009
432	1,384	1,488	658	0	1,054	8,878	2,960	144	2010
449	1,320	1,812	658	1	1,113	9,597	2,916	106	2011

Source : Korea City Gas Association

6 지역별 도시가스 수요가 수

	합 계[1] Total	서 울 Seoul	부 산 Busan	대 구 Daegu	인 천 Incheon	광 주 Gwangju	대 전 Daejeon	울 산 Ulsan
	총 가 구 수 (세대)							
1996	12,221,206	3,455,975	1,140,293	758,850	739,996	386,216	391,525	349,456
1997	12,774,911	3,499,658	1,157,537	769,904	769,103	399,011	407,987	360,634
1998	13,001,222	3,473,045	1,173,328	779,433	789,102	411,965	417,523	366,545
1999	13,291,085	3,502,464	1,187,703	789,891	804,188	420,898	427,152	373,317
2000	13,918,913	3,550,186	1,199,804	805,779	823,572	430,376	439,312	384,562
2001	14,290,771	3,608,287	1,210,902	815,709	840,071	439,620	450,489	396,515
2002	14,719,725	3,661,692	1,219,902	827,177	866,290	478,499	463,270	407,277
2003	15,365,083	3,725,906	1,236,262	845,242	885,682	460,647	479,916	348,058
2004	15,895,737	3,790,374	1,251,069	853,142	902,404	469,847	492,068	356,143
2005	16,717,096	3,883,054	1,270,612	865,766	926,885	481,935	505,650	365,197
2006	17,189,520	3,991,051	1,288,671	875,173	957,861	495,065	518,039	373,114
2007	17,640,659	4,057,713	1,300,692	883,920	987,805	503,844	525,880	380,865
2008	18,103,112	4,108,833	1,311,724	894,969	1,006,556	513,021	531,682	389,735
2009	18,481,247	4,127,839	1,323,771	906,470	1,018,180	524,093	538,100	394,364
2010	19,233,020	4,220,779	1,371,346	934,598	1,050,441	540,875	555,768	405,501
2011	19,304,641	4,192,752	1,381,257	940,770	1,067,727	549,105	566,324	412,561
	수요가수(개)[2]							
1996	4,913,103	2,102,886	284,093	235,297	363,429	138,484	145,778	93,492
1997	5,629,253	2,351,903	314,268	270,580	429,803	164,950	161,555	103,250
1998	6,347,916	2,554,426	357,751	296,534	493,667	184,186	177,942	122,979
1999	7,069,055	2,753,154	400,978	324,480	536,678	214,262	214,011	140,694
2000	7,733,539	2,926,591	437,211	354,768	588,051	229,148	241,654	164,724
2001	8,455,334	3,077,569	474,147	389,175	641,407	246,996	270,362	187,041
2002	9,208,802	3,193,693	510,024	441,951	706,662	282,937	296,317	210,909
2003	9,844,446	3,312,945	564,883	453,402	737,607	282,459	318,576	194,222
2004	10,405,648	3,386,713	621,069	491,578	770,580	297,725	333,585	217,863
2005	10,963,192	3,443,879	674,337	518,973	796,438	320,109	348,131	243,509
2006	11,539,479	3,487,887	729,028	582,370	817,222	343,727	395,747	257,787
2007	12,042,960	3,525,660	796,528	582,370	847,560	370,025	419,601	267,774
2008	12,637,153	3,565,235	860,283	627,393	873,269	413,537	443,176	294,891
2009	13,156,052	3,611,840	908,760	662,669	896,246	444,585	462,052	311,576
2010	13,881,781	3,783,444	952,242	700,480	933,770	473,603	485,153	327,901
2011	14,486,948	3,868,157	1,002,185	732,222	977,038	500,511	513,784	345,653
보급률(%)	75.0	92.3	72.6	77.8	91.5	91.2	90.7	83.8

주 : 1) 2005년 이후 합계에 제주지역 통계량 포함.
2) 가정용 도시가스 수요가수임.
자료 : 한국도시가스협회(2012). "도시가스사업편람".

6 Number of Town Gas Customers by Region

경 기 Gyeonggi	강 원 Gangwon	충 북 Chungbuk	충 남 Chungnam	전 북 Jeonbuk	전 남 Jeonnam	경 북 Gyeongbuk	경 남 Gyeongnam	
Number of Households								
2,568,872	336,674	260,817	402,869	365,656	315,564	386,055	–	1996
2,737,567	349,974	272,100	420,431	376,093	326,800	553,272	–	1997
2,787,991	362,488	283,667	433,225	390,477	360,544	563,547	–	1998
2,886,473	371,782	290,547	443,679	401,400	365,045	569,843	–	1999
2,992,522	381,253	309,440	632,803	410,483	369,671	575,594	146,147	2000
3,130,162	388,181	316,926	644,513	417,380	373,916	632,550	148,203	2001
3,332,202	395,565	325,111	656,741	422,936	407,569	638,792	150,945	2002
3,539,862	406,191	438,232	691,966	432,207	411,630	725,715	737,567	2003
3,694,291	415,351	449,816	736,328	528,901	416,354	736,795	802,854	2004
3,854,802	424,594	462,330	756,073	536,612	483,288	798,123	897,540	2005
4,020,283	433,824	476,419	774,490	545,168	489,333	821,898	920,707	2006
4,189,798	442,313	488,540	796,086	552,058	497,013	837,576	984,706	2007
4,282,628	479,865	587,411	812,871	561,437	504,593	893,216	1,009,890	2008
4,365,439	489,191	599,204	827,846	657,431	512,923	943,644	1,035,041	2009
4,533,057	564,988	617,440	854,432	701,024	506,747	1,082,606	1,068,705	2010
4,579,405	485,881	625,405	868,291	703,806	534,312	1,092,983	1,109,927	2011
Number of Customers								
1,017,958	50,921	66,622	22,001	109,482	99,226	68,809	–	1996
1,216,144	62,295	80,351	34,562	123,539	107,959	83,742	–	1997
1,441,918	72,739	92,764	42,737	138,936	114,445	107,749	–	1998
1,666,499	86,054	104,333	54,317	159,168	118,671	129,989	–	1999
1,884,138	91,489	118,274	70,012	171,277	124,068	145,845	11,740	2000
2,130,327	100,377	140,152	90,674	186,962	131,704	174,708	19,508	2001
2,381,021	116,141	157,421	109,247	206,406	153,923	197,852	26,920	2002
2,568,708	125,906	173,163	139,825	224,077	164,180	269,312	315,181	2003
2,728,843	137,644	184,437	161,163	245,745	170,863	303,773	354,067	2004
2,894,471	148,809	195,180	188,572	266,162	180,085	340,931	402,118	2005
3,023,884	161,192	222,060	224,894	288,072	192,543	377,635	430,536	2006
3,142,440	173,318	246,246	255,131	310,130	201,281	424,331	474,920	2007
3,273,114	187,882	267,403	290,951	334,984	216,492	459,097	523,492	2008
3,385,202	208,435	292,164	323,989	354,371	235,010	488,315	563,834	2009
3,586,951	223,039	315,625	355,886	379,199	246,732	506,840	601,216	2010
3,717,204	233,185	333,660	393,013	408,895	268,167	534,181	648,199	2011
81.2	48.0	53.4	45.3	58.1	50.2	48.9	58.4	Diffusion(%)

Notes : 1) From 2005, includes Jeju.
2) Number of households using town gas.
Source : Korea City Gas Association(2012), "Yearbook"

7 도시가스 가격

단위 : 원/㎥

	한국가스공사 공급 가격(A) KOGAS Price			도시가스사 공급 비용(B) Town Gas Suppliers' Margin								
	원료비 ⓐ Material Cost	공급비용 ⓑ Other Cost	공급가격 ⓐ+ⓑ Sales Price	평 균 Average	가정용 Residential		업무용 Office	일반용 Commercial		냉방용 (5~9월) Space Cooling	산업용 Industrial	수송용 Transportation
					취 사 Cooking	난 방 Space Heating	난 방 Space Heating	영업용1 Commercial1	영업용2 Commercial2			
1988. 6. 1	122.56	18.17	140.73	142.00	169.27	125.22	125.22	169.27		125.22	–	
12. 1	110.83	18.17	129.00	142.00	169.27	125.22	125.22	169.27		125.22	–	
1989. 1. 1	105.71	17.34	123.05	142.00	169.27	169.27	125.22	125.22		125.22	–	
6. 1	101.91	39.03	140.94	93.46	143.91	143.91	79.75	79.75		79.75	71.01	–
1990. 5. 1	106.49	39.03	145.52	74.68	139.33	65.14	139.33	139.33		139.33	58.70	–
1991. 7. 1	119.12	39.03	158.15	59.38	126.70	52.51	126.70	126.70		126.70	35.84	–
1992. 7. 1	122.46	50.87	173.33	59.38	113.47	52.08	105.46	105.46		105.46	20.66	-
1994. 11. 1	125.72	50.87	176.59	59.38	110.24	51.98	–	106.47		40.62	23.37	-
1995. 8. 1	125.35	61.00	186.35	59.38	110.24	51.98	–	106.47		40.62	23.37	-
1997. 3. 25	155.43	59.43	214.83	58.38	109.24	50.98	–	105.47		40.62	22.37	-
12. 2	216.92	59.40	276.32	58.38	109.24	50.98	–	105.47		40.62	22.37	-
1998. 1. 24	254.56	59.40	313.96	58.38	109.24	50.98	–	105.47		40.62	22.37	-
8. 1	222.32	91.64	313.96	58.38	109.24	50.98	61.85	105.47		–	40.62	22.37
10. 1	203.18	91.64	294.82	58.38	109.24	50.98	61.85	105.47	61.85	40.62	22.37	22.37
1999. 1. 1	195.97	91.64	287.61	58.38	109.24	50.98	61.85	105.47		61.85	40.62	22.37
4. 1	175.68	91.64	267.32	58.38	109.24	50.98	61.85	105.47	61.85	40.62	22.37	–
10. 1	201.10	88.52	289.62	58.38	109.24	50.98	61.85	105.47	61.85	40.62	22.37	–
2000. 1. 1	221.60	88.52	310.12	58.38	109.24	50.98	61.85	105.47	–	40.62	22.37	–
5. 1	251.38	88.52	339.90	53.49	105.21	46.95	57.82	101.44	57.82	36.59	18.34	–
9. 1	251.38	88.71	340.09	53.49	105.21	46.95	57.82	101.44	57.82	36.59	18.34	–
10. 1	276.16	88.71	364.87	53.49	105.21	46.95	57.82	101.44	57.82	36.59	18.34	–
2001. 1. 1	314.94	84.88	399.82	53.49	105.21	46.95	57.82	101.44	57.82	36.59	18.34	107.35
4. 1	335.08	84.88	419.96	45.03	42.38	43.72	54.90	98.52	54.90	33.67	15.42	106.33
2002. 1. 1	276.41	78.08	354.49	43.09	35.89	41.34	52.90	96.52	52.90	31.67	15.42	106.33
11. 1	294.41	78.08	372.49	43.09	35.89	43.34	52.90	96.52	52.90	31.67	15.42	106.33
2003. 1. 1	305.08	71.84	376.92	43.09	35.89	43.34	52.90	96.52	52.90	31.67	15.42	106.33
3. 1	325.88	74.35	400.23	43.09	35.89	41.34	52.90	96.52	52.90	31.67	15.42	106.33
7. 1	317.83	74.35	392.18	43.09	35.89	41.34	52.90	96.52	52.90	31.67	15.42	106.33
9. 1	299.71	74.35	374.06	43.09	35.89	41.34	52.90	96.52	52.90	31.67	15.42	106.33

주 : 1) 소비자 가격은 서울시 기준
자료 : 한국도시가스협회(2012). "도시가스사업편람".

7 Town Gas Prices

Unit : Won/㎥

소비자가격[1](A+B) Retail Prices									
평 균 Average	가정용 Residential		업무용 Office	일반용 Commercial		냉방용 (5~9월) Space Cooling	산업용 Industrial	수송용 Transportation	
	취 사 Cooking	난 방 Space Heating	난 방 Space Heating	영업용1 Commercial1	영업용2 Commercial2				
282.73	310.00	265.95	265.95	310.00		265.95	265.95	–	1988. 6. 1
271.00	298.27	254.22	254.22	298.27		298.27	254.22	–	12. 1
265.05	292.32	292.32	248.27	248.27		248.27	248.27	–	1989. 1. 1
234.40	284.85	284.85	220.69	220.69		220.69	211.95	–	6. 1
220.20	284.85	210.66	284.85	284.85		284.85	204.22	–	1990. 5. 1
217.53	284.85	210.66	284.85	284.85		179.64	193.99	–	1991. 7. 1
232.71	295.47	225.41	304.79	304.79		179.64	193.99	–	1992. 7. 1
235.97	299.61	228.57	–	309.06		182.54	196.70	–	1994. 11. 1
245.73	301.90	243.64	–	309.06		165.97	196.70	–	1995. 8. 1
273.21	333.68	275.42	–	322.30		165.97	209.94	–	1997. 3. 25
334.70	402.76	344.50	–	391.38		165.97	256.06	–	12. 2
372.34	441.13	382.87	–	492.75		165.97	294.43	–	1998. 1. 24
372.34	439.32	381.06	391.93	387.75		202.21	287.29	–	8. 1
353.20	420.18	361.92	372.79	368.61	324.99	202.21	268.15	–	10. 1
345.99	412.97	354.71	365.58	361.40	317.78	202.21	260.94	–	1999. 1. 1
325.70	392.68	334.42	345.29	341.11	297.49	202.21	240.65	–	4. 1
348.00	418.10	359.84	370.71	366.53	322.91	202.21	250.59	–	10. 1
368.50	438.60	380.34	391.21	387.03	343.41	202.21	271.09	–	2000. 1. 1
393.39	464.35	406.09	416.96	412.78	369.16	198.18	296.84	–	5. 1
393.58	470.34	412.08	422.95	406.45	362.83	198.18	296.84	–	9. 1
418.36	495.12	436.86	447.73	431.23	387.61	198.18	321.62	–	10. 1
453.31	530.01	471.75	482.62	466.12	422.50	198.18	356.51	442.52	2001. 1. 1
464.99	487.32	488.66	499.84	483.34	439.72	195.26	373.73	461.64	4. 1
397.58	419.51	424.96	436.52	418.62	375.00	232.72	320.03	407.94	2002. 1. 1
415.58	437.51	442.96	454.52	436.62	393.00	232.72	338.03	425.94	11. 1
420.01	441.79	447.24	458.80	441.46	397.84	232.72	349.01	436.92	2003. 1. 1
443.32	465.95	471.40	482.96	463.51	419.89	232.72	370.81	485.72	3. 1
135.27	457.90	463.35	474.91	455.46	411.84	232.72	362.76	450.67	7. 1
417.15	439.78	445.23	456.79	437.34	393.72	232.72	344.64	432.55	9. 1

Note : 1) Retail prices in Seoul.
Source : Korea City Gas Association(2012). Yearbook.

7 도시가스 가격(계속)

단위 : 원/㎥

	한국가스공사 공급 가격(A) KOGAS Price			도시가스사 공급 비용(B) Town Gas Suppliers' Margin								
	원료비 ⓐ Material Cost	공급비용 ⓑ Other Cost	공급가격 ⓐ+ⓑ Sales Price	가정용 Residential			업무용 Office	일반용 Commercial		냉방용 (5~9월) Space Cooling	산업용 Industrial	수송용 Transportation
				평 균 Average	취 사 Cooking	난 방 Space Heating	난 방 Space Heating	영업용1 Commercial1	영업용2 Commercial2			
2004. 1. 1	321.56	72.52	394.08	43.09	35.89	41.34	52.90	96.52		52.90	31.67	15.42
9. 1	348.96	72.52	421.48	43.09	35.89	41.34	52.90	96.52		52.90	31.67	15.42
11. 1	377.86	72.52	450.38	43.09	35.89	41.34	52.90	96.52		52.90	31.67	15.42
2005. 1. 1	368.84	66.98	435.82	43.09	35.89	41.34	52.90	96.52		52.90	31.67	15.42
3. 1	329.26	66.03	395.29	43.09	35.89	41.34	52.90	96.52		52.90	31.67	15.42
5. 1	348.02	66.03	414.05	43.09	35.89	41.34	52.90	96.52		52.90	31.67	15.42
6. 1	348.02	59.35	407.37	43.09	35.89	41.34	52.90	96.52		52.90	31.67	15.42
7. 1	361.10	59.35	420.45	43.09	35.89	41.34	52.90	96.52		52.90	31.67	15.42
11. 1	385.00	59.35	444.35	43.09	35.89	41.34	52.90	96.52		52.90	31.67	15.42
2006. 1. 1	414.46	60.85	475.31	44.58	35.89	41.34	52.90	96.52		52.90	31.67	15.42
7. 1	454.33	60.85	515.18	47.82	39.13	44.58	56.14	99.76		56.14	34.91	18.66
9. 1	502.73	60.85	563.58	47.82	39.13	44.58	56.14	99.76		56.14	34.91	18.66
11. 1	461.68	60.85	522.53	47.82	39.13	44.58	56.14	99.76		56.14	34.91	18.66
2007. 1. 1	442.35	59.45	501.80	47.82	39.13	44.58	56.14	99.76	56.14	34.91	18.66	108.02
3. 1	428.29	59.45	487.74	47.82	39.13	44.58	56.14	99.76		56.14	34.91	18.66
5. 1	451.00	59.45	510.45	47.82	39.13	44.58	56.14	99.76	56.14	34.91	18.66	108.02
7. 1	467.47	59.45	526.92	47.82	39.13	44.58	56.14	99.76	56.14	34.91	18.66	108.02
9. 1	507.94	59.45	567.39	47.82	39.13	44.85	56.14	99.76	56.14	34.91	18.66	113.02
11. 1	524.10	59.45	583.55	47.82	39.13	44.85	56.14	99.76	56.14	34.91	18.66	113.02
2008. 1. 1	504.08	63.10	567.18	47.82	39.13	44.85	56.14	99.76	56.14	34.91	18.66	113.02
11. 15	546.08	63.10	609.18	47.82	39.13	44.85	56.14	99.76	56.14	34.91	18.66	113.02
2009. 6. 27	597.96	59.43	657.39	50.33	41.64	47.09	58.65	102.27	58.65	37.42	21.17	115.53
2010. 9. 1	624.61	67.81	692.42	48.63	40.20	45.65	57.21	100.83	57.21	35.98	19.73	115.53
11. 1	588.50	67.81	656.31	48.63	40.20	45.65	57.21	100.83	57.21	35.98	19.73	112.09
2011. 5. 1	673.65	53.00	726.65	48.63	40.20	45.65	57.21	100.83	57.21	35.98	19.73	112.09
10. 10	715.06	53.00	768.06	47.72	39.86	45.31	56.87	100.49	56.87	35.64	19.73	111.75

주 : 1) 소비자 가격은 서울시 기준
자료 : 한국도시가스협회(2012). "도시가스사업편람".

7 Town Gas Prices(Continued)

Unit : Won/㎥

소비자가격[1](A+B) Retail Prices									
평 균 Average	가정용 Residential		업무용 Office	일반용 Commercial		냉방용 (5~9월) Space Cooling	산업용 Industrial	수송용 Transportation	
	취 사 Cooking	난 방 Space Heating	난 방 Space Heating	영업용1 Commercial1	영업용2 Commercial2				
437.17	460.00	465.45	477.01	458.34	414.41	259.54	365.99	453.90	2004. 1. 1
464.57	487.40	492.85	504.41	485.43	441.81	259.54	393.39	481.30	9. 1
493.47	516.30	521.75	533.31	514.33	470.71	259.54	422.29	510.20	11. 1
478.91	500.29	505.74	517.30	503.30	459.68	274.26	410.84	500.44	2005. 1. 1
438.38	459.76	465.21	476.77	462.77	419.15	274.26	370.31	459.91	3. 1
457.14	478.52	483.97	495.53	481.53	437.91	274.26	389.07	478.67	5. 1
450.46	471.84	477.29	488.85	474.85	431.23	274.26	382.39	471.99	6. 1
463.54	484.92	490.37	501.93	487.93	444.31	274.26	395.47	487.07	7. 1
487.44	508.82	514.27	525.83	511.83	468.21	274.26	419.37	508.97	11. 1
519.89	537.92	543.37	554.93	545.99	502.37	329.04	454.72	544.32	2006. 1. 1
563.00	581.03	586.48	598.04	589.10	545.48	332.28	497.83	584.19	7. 1
611.40	629.43	634.88	646.44	637.50	593.88	332.28	546.23	632.59	9. 1
570.35	588.38	593.83	605.39	596.45	552.83	332.28	505.18	591.54	11. 1
549.62	571.13	576.58	588.14	580.64	537.02	363.79	481.60	567.96	2007. 1. 1
535.56	557.07	562.52	574.08	566.58	522.96	363.79	467.54	553.90	3. 1
558.27	579.78	585.23	596.79	589.29	545.67	363.79	490.25	576.61	5. 1
574.74	596.25	601.70	613.26	605.76	562.14	363.79	506.72	593.08	7. 1
615.21	636.72	642.17	653.73	646.23	602.61	363.79	547.19	638.55	9. 1
631.37	652.88	658.33	669.89	662.39	618.77	363.79	563.35	654.71	11. 1
615.00	640.68	646.13	657.69	645.68	602.06	400.19	545.29	636.65	2008. 1. 1
657.00	671.68	677.13	710.69	698.68	655.06	400.19	598.29	689.65	11. 15
707.72	708.88	714.33	778.28	763.49	719.87	433.81	659.95	751.31	2009. 6. 27
741.05	749.94	755.39	816.92	795.71	752.09	484.45	684.14	773.50	2010. 9. 1
704.94	713.83	719.28	780.81	759.60	715.98	484.45	647.05	737.39	11. 1
775.28	785.77	791.22	833.08	829.13	785.51	521.23	829.75	820.51	2011. 5. 1
815.78	826.84	832.29	874.15	870.20	826.58	535.45	771.16	861.58	10. 10

Note : 1) Retail prices in Seoul.
Source : Korea City Gas Association(2012), "Yearbook"

8 신재생에너지 생산량(고유단위)

	'02	'03	'04	'05	'06
태양열(toe)	34,777	32,914	36,143	34,729	33,018
태양광(MWh)	7,044	7,752	9,872	14,399	31,022
사업용(MWh)	–	–	13	595	5,666
자가용(MWh)	7,044	7,752	9,859	13,804	25,356
바이오					
바이오가스(전기–사업용:MWh)	–	–	–	–	–
바이오가스(전기–자가용:MWh)	–	–	–	–	–
바이오가스(열:천증기톤,Gcal)[1]	750	890	871	812	773,903
매립지가스(전기:MWh)	70,783	100,193	146,927	129,595	154,521
매립지가스(열:Gcal)	102,081	130,198	118,577	102,292	152,015
바이오디젤(kL)	918	1,845	5,900	14,566	57,985
우드칩(Gcal)	–	–	–	–	55,055
성형탄(toe)	47,596	43,319	34,000	32,298	34,170
임산연료(Gcal)	· ·	· ·	· ·	491,660	502,379
목재펠릿(Gcal)	–	–	–	–	–
폐목재(천증기톤)	–	–	–	–	–
풍력(MWh)	14,881	24,865	47,442	129,888	238,911
사업용(MWh)	14,757	22,749	38,103	125,291	234,047
자가용(MWh)	124	2,116	9,339	4,597	4,864
수력(MWh)	110,579	4,902,346	4,329,362	3,674,015	3,468,233
사업용(MWh)	110,469	4,902,236	4,329,339	3,673,300	3,467,538
자가용(MWh)	110	110	23	715	695
연료전지(MWh)	–	–	–	2,103	6,681
사업용(MWh)	–	–	–	–	311
자가용(MWh)	–	–	–	2,103	6,370
폐기물					
폐가스(천증기톤)	24,763	26,481	27,450	32,191	33,596
산업폐기물(천증기톤)	8,337	10,147	11,249	10,956	12,450
생활폐기물(천증기톤)	194	287	609	522	627
대형도시쓰레기(Tcal)	3,958	4,166	4,374	4,771	5,049
시멘트킬른보조연료(Tcal)	1,979	2,759	3,997	3,351	3,715
RDF/RPF/TDF(Tcal)	–	–	–	–	370
정제연료유(Tcal)	2,586	2,598	2,691	3,028	3,212
폐목재(천증기톤)	1,589	1,804	1,639	4,392	4,036
지열(toe)	122	393	1,355	2,558	6,208
해양(MWh)	–	–	–	–	–

주 : 1) 바이오가스는 '05년까지는 천증기톤', 06년부터는 Gcal
자료 : 에너지관리공단(KEMCO)

8 Production of New & Renewable Energy(Orignal Unit)

'07	'08	'09	'10	'11	
29,375	28,036	30,669	29,257	27,435	Solar Thermal(toe)
71,279	284,315	566,191	772,801	917,197	Solar PVs
25,722	216,314	469,994	637,359	735,327	Business(MWh)
45,557	68,002	96,197	135,442	181,870	Private(MWh)
					Bio Energy
–	3,363	6,814	9,873	20,263	Bio Gas(MWh)
–	–	–	7,528	24,597	Bio Gas(MWh)
815,374	446,633	493,996	766,009	815,388	Bio Gas(MWh)(1,000stemTon'.Gcal)
307,299	412,996	448,728	399,312	440,814	LFG(MWh)
424,685	311,963	318,253	291,378	294,452	LFG(Gcal)
105,705	196,289	280,872	394,279	317,330	Bio-Diesel(kl)
57,420	133,200	200,750	1,322,303	1,630,221	Wood Briquet(toe)
35,267	29,186	24,102	23,053	24,591	Fire Wood(Gcal)
434,113	412,359	493,085	234,189	236,649	Wood Chip(Gcal)
–	–	535,773	237,658	509,950	Wood Peller(Gcal)
–	–	–	–	2,776	Wood waste(1,000Steam ton)
375,641	436,034	685,353	816,950	862,884	Wind
370,601	430,950	680,228	811,772	857,646	Business(MWh)
5,040	5,084	5,125	5,179	5,238	Private(MWh)
3,632,089	3,070,457	2,821,530	3,685,090	4,490,107	Hydros
3,631,650	3,070,156	2,821,157	3,684,075	4,488,929	Business(MWh)
439	302	373	1,015	1,178	Private(MWh)
8,522	20,310	89,270	196,960	294,621	Fuel Cells(MWh)
1,960	13,432	81,759	188,072	282,463	Business(MWh)
6,562	6,878	7,511	8,888	12,158	Private(MWh)
					Wastes
35,065	36,536	37,267	39,236	40,356	Waste Gas(1,000stemTon)
14,768	14,333	14,890	15,804	16,200	Industrial Wastes(1,000stemTon)
652	818	1,106	1,751	3,423	Solid Bio(1,000stemTon)
6,078	6,384	6,605	7,177	7,533	Living Wates(1,000stemTon)
3,756	5,681	5,432	6,181	6,814	Municipal Solid Wates(Tcal)
430	606	454	933	2,202	Cement Kiln Fuel(Tcal)
3,468	3,069	2,604	2,275	2,338	Refinery Fuel Oil(Tcal)
4,173	3,870	3,199	2,685	–	RDF/RPF/TDA(Tcal)
11,114	15,726	22,126	33,449	47,833	Geochermal(toe)
–	–	–	1,039	52,307	Tidal(MWh)

9 신재생에너지 생산량(열량)

단위 : toe

	'02	'03	'04	'05	'06
신재생에너지합계(toe)	2,917,330	4,437,428	4,582,407	4,879,211	5,225,192
태양열	34,777	32,914	36,143	34,729	33,018
태양광	1,761	1,938	2,468	3,600	7,756
사업용	–	–	3	149	1,417
자가용	1,761	1,938	2,465	3,451	6,339
바이오	116,790	131,068	134,966	181,275	274,482
바이오가스(전기-사업용)	–	–	–	–	–
바이오가스(전기-자가용)	–	–	–	–	–
바이오가스(열)	40,446	47,984	46,949	43,782	77,390
매립지가스(전기)	17,695	25,048	36,732	32,399	38,630
매립지가스(열)	10,208	13,020	11,858	10,229	15,201
바이오디젤	845	1,697	5,428	13,401	53,346
우드칩	–	–	–	–	5,505
성형탄	47,596	43,319	33,999	32,298	34,170
임산연료	· ·	· ·	· ·	49,166	50,238
목재펠릿	–	–	–	–	–
폐목재[1]	–	–	–	–	–
풍력	3,720	6,216	11,861	32,472	59,728
사업용	3,689	5,687	9,526	31,323	58,512
자가용	31	529	2,335	1,149	1,216
수력[2]	27,645	1,225,587	1,082,341	918,504	867,058
사업용	27,617	1,225,559	1,082,335	918,325	866,884
자가용	28	28	6	179	174
연료전지	–	–	–	526	1,670
사업용	–	–	–	–	78
자가용	–	–	–	526	1,593
폐기물	2,732,515	3,039,312	3,313,273	3,705,547	3,975,272
폐가스	1,334,720	1,427,319	1,479,555	1,735,080	1,810,812
산업폐기물	449,390	546,921	606,336	590,546	671,060
생활폐기물	10,482	15,484	32,832	28,112	33,794
대형도시쓰레기	395,801	416,629	437,447	477,118	504,940
시멘트킬른보조연료	197,855	275,895	399,672	335,135	371,474
RDF/RPF/TDF[3]	–	–	–	–	36,980
정제연료유	258,611	259,811	269,065	302,830	321,222
폐목재1)	85,656	97,253	88,366	–	
지열	122	393	1,355	2,558	6,208
해양	–	–	–	–	–

주 : 1) 2011년부터 폐목재는 폐기물에서 바이오로 분류 변경
2) 2003년부터 수력에 대수력(10MW 초과) 포함
3) 2011년부터 TDF추가
자료 : 에너지관리공단(KEMCO)

9 Production of New & Renewable Energy(TOE)

Unit : toe

'07	'08	'09	'10	'11	
5,608,776	5,858,481	6,086,249	6,856,284	7,582,846	Total
29,375	28,036	30,669	29,257	27,435	Solar Thermal
15,325	61,128	121,731	166,152	197,198	Solar PVs
5,530	46,507	101,049	137,032	158,095	Business
9,795	14,620	20,682	29,120	39,102	Private
370,159	426,760	580,419	754,623	963,363	Bio Energy
–	723	1,465	2,123	4,357	Bio Gas(Electricity)
–	–	–	1,619	5,288	Bio Gas(Electricity)
81,537	44,663	49,400	76,601	81,539	Bio Gas(Heat)
66,069	88,794	96,477	85,852	94,775	LFG(Electricity)
42,469	31,196	31,825	29,138	29,445	LFG(Heat)
95,663	177,642	254,189	356,822	336,054	Bio-Diesel
5,742	13,320	20,075	132,230	163,022	Wood Briquet
35,267	29,186	24,102	23,053	24,591	Fire Wood
43,411	41,236	49,309	23,419	23,665	Wood Chip
–	–	53,577	23,766	50,995	Wood Pellet
–	–	–	–	149,632	Wood Waste
80,763	93,747	147,351	175,644	185,520	Wind
79,679	92,654	146,249	174,531	184,394	Business
1,084	1,093	1,102	1,113	1,126	Private
780,899	660,148	606,629	792,294	965,373	Hydros
780,805	660,083	606,549	792,075	965,120	Business
94	65	80	218	253	Private
1,832	4,367	19,193	42,346	63,344	Fuel Cells
421	2,888	17,578	40,436	60,730	Business
1,411	1,479	1,615	1,911	2,614	Private
4,319,309	4,568,568	4,558,131	4,862,296	5,121,534	Wastes
1,890,017	1,969,304	2,015,279	2,114,825	2,175,167	Waste Gas
796,016	772,544	802,560	851,834	873,206	Industrial Wastes
35,127	44,108	58,455	94,406	184,506	Wood waste
607,833	638,447	660,511	717,671	753,252	Living Wastes
375,622	568,110	543,179	618,082	681,415	Municipal Solid Wastes
42,984	60,584	45,393	93,275	220,171	Cement Kiln Fuel
346,792	306,861	260,354	227,497	233,816	Refinery Fuel Oil(Tcal)
224,920	208,610	172,400	144,706	–	RDF/RPF/TDF[3)]
11,114	15,726	22,126	33,449	47,833	Geothermal
–	–	–	223	11,246	Tidal

10 신재생에너지 보급 용량

	'02	'03	'04	'05	'06
태양열(㎡)[7]	11,215	15,135	15,034	28,310	24,314
태양광(kW)[7]	475	563	2,553	4,990	22,322
사업용(kW)	–	–	238	1,224	9,071
자가용(kW)	475	563	2,315	3,766	13,251
바이오					
바이오가스(전기–사업용:kW)[7]	–	–	–	–	–
바이오가스(전기–자가용:kW)[7]	–	–	–	–	–
바이오가스(열:ton/h)[5]	123	8	21	15	24
매립지가스(전기:kW)[7]	3,000	17,020	1,000	2,773	50,000
매립지가스(열:N㎥)[7]	2,520	–	–	850	7,800
바이오디젤(kℓ/y)[1]	6,000	106,000	107,500	191,403	333,000
우드칩(ton/h)[6]	–	–	–	–	54
성형탄(ton)[2), 3)]	113,323	103,140	80,952	76,900	81,357
임산연료(ton)[2]	· ·	· ·	· ·	175,593	179,421
목재펠릿(천kcal/h)[7]	–	–	–	–	–
폐목재(ton/h)[5]	55	15	10	75	1
풍력(kW)[7]	4,757	5,467	49,903	30,664	78,941
사업용(kW)	3,750	5,460	49,460	30,550	78,750
자가용(kW)	1,007	7	443	114	191
수력(kW)[4), 7)]	2,249	1,900	2,390	4,913	5,010
사업용(kW)	2,214	1,900	2,390	4,774	5,010
자가용(kW)	35	–	–	139	–
연료전지(kW)[7]	–	–	–	756	270
사업용(kW)	–	–	–	–	250
자가용(kW)	–	–	–	756	20
폐기물					
폐가스(ton/h)[5]	89	494	64	14	57
산업폐기물(ton/h)[5]	92	342	181	329	441
생활폐기물(ton/h)[5]	20	12	27	123	18
대형도시쓰레기(ton/d)[6]	9,290	10,090	10,160	11,310	11,510
시멘트킬른보조연료(ton)[2]	256,572	360,647	522,447	438,085	485,586
RDF/RPF/TDF(ton)[2]	–	–	–	–	92,235
정제연료유(kL)[2]	261,223	262,435	271,783	305,889	324,467
지열(kW)[7]	725	2,345	6,188	8,159	35,023
해양(kW)[7]	–	–	–	–	–

주 : 1) 바이오디젤 용량은 해당연도 기준 생산능력을 의미함.
2) 성형탄, 임산연료, 시멘트킬른보조연료, RDF/RPF/TDF, 정제연료유는 해당 연도의 연료 소비량 또는 생산량(판매량)을 의미함.
3) 성형탄 실적은 해당연도의 국내 생산량 및 외국 수입량을 의미함.
4) 수력에는 대수력(10MW 초과)을 포함.
5) 바이오가스(열), 폐목재, 폐가스, 산업폐기물, 생활폐기물은 각 연도별로 설치된 보일러 중 가동설비를 의미함.
6) 우드칩, 대형도시쓰레기 용량은 해당연도 기준 가동 중인 모든 용량을 의미함.
7) 태양열, 태양광, 바이오가스(전기), 매립지가스, 목재펠릿, 풍력, 수력, 연료전지, 지열, 해양은 각 연도별 설치용량을 의미함.
자료 : 에너지관리공단(KEMCO)

10 Capacity of New & Renewable Energy

'07	'08	'09	'10	'11	
14,525	51,552	96,951	69,805	54,732	Solar Thermal(㎥)
45,347	275,665	166,838	126,645	78,818	Solar PVs
28,842	259,110	142,657	92,350	42,983	Business(kW)
16,505	16,555	24,181	34,295	35,835	Private(kW)
					Bio Energy
–	3,036	–	1,065	–	Bio Gas(kW)
–	–	–	5,155	120	Bio Gas(kW)
14	19	94	17	10	Bio Gas(ton/h)
–	2,820	200	2,410	–	LFG(kW)
–	–	–	–	–	LFG(N㎥/h)
507,700	743,207	1,142,900	1,104,400	1,204,400	Bio-Diesel(kl/y)
54	54	54	372	392	Wood Briquet(ton)
83,969	69,489	57,385	54,888	58,551	Fire Wood(ton)
155,041	147,271	159,918	69,344	69,372	Wood Chip(ton)
–	–	72,894	177,556	192,916	Wood Peller(1000kcal)
15	34	115	75	19	Wood Waste(ton/h)
18,420	108,020	47,276	30,936	26,630	Wind
18,400	108,000	47,250	30,900	26,598	Business(kW)
20	20	26	36	32	Private(kW)
8,720	5,680	13,778	6,390	62,320	Hydros
8,720	5,680	13,778	5,670	62,260	Business(kW)
–	–	–	720	60	Private(kW)
25	7,851	14,501	14,230	24,956	Fuel Cells(kW)
–	7,800	14,400	14,000	24,400	Business(kW)
25	51	101	230	556	Private(kW)
					Wastes
253	564	52	494	11	Waste Gas(ton/h)
312	395	240	111	290	Industrial Wastes(ton/h)
63	22	93	158	45	Solid Bios(ton/h)
12,410	12,410	12,590	12,430	13,770	Living Wastes(ton/h)
491,009	742,628	710,038	807,950	1,127,624	Municipal Solid Wastes(ton/d)
110,058	148,453	111,022	162,144	332,306	RDF/RPF/TDF(ton)
353,325	309,961	280,487	273,087	273,579	Refinery Fuel Oil(kl)
20,528	31,613	39,838	89,226	73,515	Geothermal(kW)
–	–	–	1,000	254,000	Tidal(kW)

Ⅳ. 석　탄

Coal

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1 무연탄(분탄) 수급

단위 : 천 톤

	공 급 Supply				수		
	합 계 Total	전년재고[1] Former Stocks	국내생산 Domestic Production	수 입 Import	합 계 Total	내	
						소 계 Sub-Total	산 업 Industry
1981	29,233	5,075	19,865	4,293	21,414	21,414(3,482)	787
1982	30,228	7,820	20,116	2,292	20,865	20,865(1,718)	492
1983	30,037	9,363	19,861	813	21,695	21,695(1,069)	518
1984	30,541	8,367	21,370	804	24,256	24,256(2,113)	436
1985	31,765	6,889	22,543	2,333	25,806	25,806(3,095)	353
1986	35,098	6,931	24,253	3,914	27,390	27,390(3,716)	277
1987	35,922	8,866	24,274	2,782	26,843	26,843(3,151)	206
1988	36,415	10,450	24,295	1,670	26,331	26,331(2,745)	209
1989	32,846	11,134	20,785	927	23,493	23,493(2,038)	214
1990	28,992	10,817	17,217	958	21,417	21,417(1,615)	171
1991	25,453	9,266	15,058	1,129	17,369	17,369(1,431)	115
1992	20,802	8,432	11,970	400	13,217	13,217(907)	63
1993	17,180	7,613	9,443	124	10,163	10,163(414)	54
1994	14,648	6,978	7,438	232	6,925	6925	49
1995	13,977	8,111	5,720	146	5,485	5485	59
1996	13,439	8,461	4,951	27	4,503	4,503(97)	28
1997	13,489	8,975	4,514	–	3,723	3,723(64)	29
1998	14,110	9,749	4,361	–	3,842	3,842(30)	162
1999	14,590	10,393	4,197	–	3,853	3,853(41)	184
2000	14,933	10,783	4,150	–	4,159	4159	117
2001	14,602	10,785	3,817	–	4,026	4026	107
2002	13,909	10,591	3,318	–	3,808	3808	75
2003	13,470	10,172	3,298	–	3,941	3,941(17)	40
2004	12,780	9,589	3,191	–	3,886	3,886(15)	145
2005	11,855	9,023	2,832	–	4,467	4,467(51)	103
2006	10,267	7,443	2,824	–	4,716	4,716(103)	33
2007	8,485	5,599	2,886	–	4,254	4,254(219)	7
2008	7,057	4,274	2,773	10	4,260	4,260(126)	11
2009	5,535	2,826	2,519	190	3,309	3,309(195)	8
2010	4,551	2,297	2,084	170	2,698	2,698(190)	–
2011	4,085	1,901	2,084	100	2,365	2,365(126)	–

주 : 1) 이월수치에 기타물량 포함.
2) ( )내 숫자는 수입분탄 물량임.
3) 1997년 이후 수입된 무연탄은 전량 산업부문에서 소비
자료 : 대한석탄협회

1 Anthracite Demand and Supply

Unit : Thousand ton

요 Demand					금년 재고 Ending Stocks	
수 Domestic				수 출 Export		
수 송 Transportation	가정 및 상업 Residential & Commercial	공 공 Public	발 전 Electricity Generation			
4	18,543(3,036)	202	1,878(446)	–	7,820(2,102)	1981
4	17,887(1,558)	156	2,327(160)	–	9,363(2,676)	1982
5	18,985(1,067)	118	2,074(32)	–	8,367(2,415)	1983
2	21,418(2,113)	151	2,251	–	6,387(1,208)	1984
–	23,567(3,031)	108	1,778(64)	–	6,426(912)	1985
–	24,712(3,559)	116	2,285(157)	–	8,170(1,746)	1986
–	24,103(3,151)	90	2,444	–	9,595(2,056)	1987
–	23,616(2,745)	99	2,407	–	10,774(1,964)	1988
–	20,749(2,038)	92	2,438	–	10,048(1,716)	1989
–	19,217(1,615)	46	1,983	–	8,013(1,499)	1990
–	15,184(1,334)	–	2,070(97)	–	8,272(1,413)	1991
–	11,189(825)	–	1,945(82)	–	7,725(1,019)	1992
–	7,837(344)	–	2,272(70)	–	7,107	1993
–	4,684(67)	–	2,192(41)	–	7,723	1994
–	3,005(18)	–	2,421(100)	–	8,492	1995
–	1,961(4)	–	2,514(93)	–	8,937(1,039)	1996
–	1,389	–	2,305(64)	–	9,720(976)	1997
–	1,229	–	2,451(30)	–	10,269(926)	1998
–	1,117	–	2,552(41)	–	10,737(874)	1999
–	1,192	–	2,850	–	10,774(874)	2000
–	1,230	–	2,689	–	10,576(876)	2001
–	1,175	–	2,558	–	10,101(819)	2002
–	1,191(17)	–	2,710	–	9,527(799)	2003
–	1,385(15)	–	2,356	–	8,894(672)	2004
–	2,010(51)	–	2,354	–	7,388(549)	2005
–	2,327(103)	–	2,356	–	5,551(489)	2006
–	2,091(219)	–	2,156	–	4,231(278)	2007
–	2,289(126)	–	1,960	–	2,797(120)	2008
–	1,941(195)	–	1,360	–	2,226(104)	2009
–	1,859(190)	–	839	–	1,853(74)	2010
–	1,822(126)	–	543	–	1,720(57)	2011

Notes : 1) Including other supply.
2) The figures in parenthesis denoteimported quantity
Source : Korea Coal Association

2 계절별 무연탄(분탄) 소비

단위 : 천 톤

	합 계 Total			성 수 기 (A) October-March		
	합 계 Total	민 수 Residential & Commercial	산업 및 발전용 Industrial & Generation	소 계 Sob-Total	민 수 Residential & Commercial	산업 및 발전용 Industrial & Generation
1981	21,414	18,543	2,871	13,692	12,350	1,343
1982	20,865	17,887	2,978	13,241	11,856	1,385
1983	21,695	18,985	2,710	15,438	13,969	1,469
1984	24,256	21,418	2,838	17,302	15,995	1,307
1985	25,806	23,567	2,239	18,691	17,675	1,016
1986	27,390	24,712	2,678	19,207	18,043	1,164
1987	26,843	24,103	2,740	18,611	17,251	1,360
1988	26,331	23,616	2,715	19,021	17,703	1,318
1989	23,493	20,749	2,744	17,161	15,818	1,343
1990	21,417	19,217	2,200	14,957	13,926	1,031
1991	17,369	15,184	2,185	12,197	11,140	1,057
1992	13,217	11,189	2,028	8,917	7,871	1,046
1993	10,163	7,837	2,326	6,684	5,520	1,164
1994	6,925	4,684	2,241	4,460	3,347	1,113
1995	5,485	3,005	2,480	3,202	2,028	1,174
1996	4,503	1,961	2,542	2,553	1,384	1,169
1997	3,723	1,389	2,334	2,144	978	1,166
1998	3,842	1,229	2,613	2,259	908	1,351
1999	3,853	1,117	2,736	2,112	840	1,272
2000	4,159	1,192	2,967	2,285	885	1,400
2001	4,026	1,230	2,796	2,410	934	1,476
2002	3,808	1,175	2,633	2,306	916	1,390
2003	3,941	1,191	2,750	2,290	941	1,349
2004	3,886	1,385	2,501	2,280	1,108	1,172
2005	4,467	2,010	2,457	2,707	1,552	1,155
2006	4,716	2,327	2,389	2,806	1,647	1,159
2007	4,254	2,091	2,160	2,859	1,800	1,059
2008	4,260	2,289	1,971	2,931	1,944	987
2009	3,309	1,941	1,368	2,205	1,506	699
2010	2,698	1,859	839	1,850	1,405	445
2011	2,365	1,822	543	1,682	1,424	258

자료 : 대한석탄협회

2 Anthracite Consumption by Season

Unit : Thousand ton

비 수 기 (B) April-September			구 성 비 (%) Composition Ratio			
소 계 Sub-Total	민 수 Residential & Commercial	산업 및 발전용 Industrial & Generation	민 수 Residential & Commercial		산업 및 발전용 Industrial & Generation	
			A	B	A	B
7,721	6,193	1,528	66.6	33.4	46.8	53.2
7,624	6,031	1,593	66.3	33.7	46.5	53.5
6,257	5,016	1,241	73.6	26.4	54.2	45.8
6,954	5,423	1,531	74.7	25.3	46.1	53.9
7,115	5,892	1,223	75.0	25.0	45.4	54.6
8,183	6,669	1,514	73.0	27.0	43.5	56.5
8,232	6,852	1,380	71.6	28.4	49.6	50.4
7,310	5,913	1,397	75.0	25.0	48.5	51.5
6,332	4,931	1,401	76.2	23.8	48.9	51.1
6,460	5,291	1,169	72.5	27.5	46.9	53.1
5,172	4,044	1,128	73.4	26.6.	48.4	51.6
4,300	3,320	980	70.3	29.7	51.6	48.4
3,479	2,317	1,162	70.4	29.6	50.0	50.0
2,464	1,339	1,127	71.4	28.6	50.0	50.0
2,283	979	1,306	67.4	32.6	47.3	52.7
1,949	576	1,373	70.6	29.4	46.0	54.0
1,579	411	1,168	70.4	29.6	50.0	50.0
1,583	321	1,262	73.9	26.1	51.7	48.3
1,741	276	1,465	75.3	24.7	46.5	53.5
1,874	308	1,566	74.2	25.8	47.2	52.8
1,616	296	1,320	75.9	24.1	52.8	47.2
1,502	259	1,243	78.0	22.0	52.8	47.2
1,651	250	1,401	79.0	21.0	49.1	50.9
1,606	277	1,329	80.0	20.0	46.9	53.1
1,760	458	1,302	77.2	22.8	47.0	53.0
1,910	680	1,230	70.8	29.2	48.5	51.5
1,395	291	1,104	86.1	13.9	48.9	51.1
1,329	345	984	84.9	15.1	50.0	50.0
1,104	435	669	77.6	22.4	51.1	48.9
848	454	394	75.9	24.1	54.1	45.9
683	398	285	84.7	15.3	58.3	41.7

Source : Korea Coal Association

3 지역별 민수용 무연탄(분탄) 소비

단위 : 천 톤

	합 계 Total	서 울 Seoul	부 산 Busan	대 구 Daegu	인 천 Inchun	광 주 Gwangju	대 전 Taejeon	경 기 Gyeonggi	강 원 Gangwon
1981	18,543	7,429	1,968	1,410	844	–	–	1,033	797
1982	17,887	6,808	1,801	1,273	699	–	–	1,068	762
1983	18,985	7,051	1,869	1,329	644	–	–	1,133	799
1984	21,418	8,212	2,007	1,427	781	–	–	1,356	903
1985	23,657	8,766	2,077	1,459	855	–	–	1,604	961
1986	24,712	9,108	2,081	1,496	970	813	–	1,705	1,013
1987	24,103	8,728	1,981	1,449	1,080	818	–	1,574	980
1988	23,616	8,232	1,915	1,425	1,177	776	631	1,485	1,000
1989	20,749	6,792	1,693	1,261	960	781	553	4,323	959
1990	19,217	6,202	1,440	1,142	802	790	545	1,331	919
1991	15,184	4,792	1,172	933	494	664	447	1,020	770
1992	11,189	3,444	851	686	327	500	359	710	627
1993	7,837	2,339	576	477	227	370	259	460	470
1994	4,684	1,332	324	272	132	218	160	280	322
1995	3,005	781	193	160	83	110	87	222	263
1996	1,961	453	108	91	54	88	57	178	203
1997	1,389	292	54	59	29	63	48	160	162
1998	1,229	255	37	42	19	56	44	147	154
1999	1,117	218	38	39	17	49	34	124	144
2000	1,192	226	38	37	6	48	43	132	159
2001	1,230	223	40	34	–	51	59	134	180
2002	1,175	193	41	33	–	46	46	141	175
2003	1,191	180	40	41	–	44	51	126	169
2004	1,385	209	41	73	–	48	53	125	182
2005	2,010	310	52	124	–	66	74	207	233
2006	2,327	320	59	159	–	78	104	185	268
2007	2,091	298	52	148	–	69	94	158	261
2008	2,289	297	52	169	–	84	116	176	299
2009	1,941	259	46	134	–	86	106	148	272
2010	1,859	248	38	126	–	78	107	128	258
2011	1,822	247	34	117	–	74	103	121	245

주 : 광역시 이전 지역(인천, 대구, 광주, 대전)은 경기, 경북, 전남, 충남지역에 포함.
자료 : 대한석탄협회

3 Anthracite Consumption in Residential and Commercial Sector by Region

Unit : Thousand ton

충 북 Chungbuk	충 남 Chungnam	전 북 Jeonbuk	전 남 Jeonnam	경 북 Gyeongbuk	경 남 Gyeongnam	제 주 Jeju	통계오차 Statistical differences	
619	958	691	1,035	964	1,194	87	-486	1981
552	915	681	993	915	1,173	94	153	1982
610	966	708	1,140	980	1,245	92	419	1983
753	1,172	822	1,312	1,091	1,348	106	128	1984
832	1,307	957	1,485	1,202	1,478	116	557	1985
902	1,453	1,020	759	1,293	1,512	125	462	1986
826	1,471	1,045	746	1,302	1,454	128	516	1987
833	915	996	706	1,291	1,421	122	654	1988
739	864	936	636	1,178	1,271	108	695	1989
694	915	925	718	1,132	1,121	103	438	1990
586	840	767	577	963	885	86	188	1991
479	673	528	413	776	632	64	120	1992
353	445	418	304	575	427	47	90	1993
244	261	281	202	394	234	28	-	1994
148	170	184	137	311	138	18	-	1995
97	105	116	97	216	87	10	-	1996
82	72	79	71	156	57	7	-	1997
77	71	71	65	142	43	6	-	1998
93	61	67	54	135	39	5	-	1999
126	59	60	53	164	37	4	-	2000
140	44	54	43	191	34	3	-	2001
148	42	44	38	194	31	3	-	2002
170	48	44	33	211	32	2	-	2003
202	67	57	32	260	34	2	-	2004
293	105	68	44	382	52	-	-	2005
342	148	82	54	459	69	-	-	2006
287	119	72	51	420	62	-	-	2007
299	129	79	49	469	71	-	-	2008
252	104	68	18	390	58	-	-	2009
256	100	65	15	392	48	-	-	2010
256	96	60	16	412	41	-	-	2011

Source : Korea Coal Association

4 무연탄 수입 Anthracite Imports

	물 량 Quantity	금 액 Amounts	단 가 Price	지 역 별 Region			
				아 시 아 Asia	아메리카 America	아프리카 Africa	기 타 Others
	1,000 ton	mil.USD	USD/ton	1,000 ton			
1981	4,263	295	69.2	1,640	1,382	1,241	–
1982	2,322	146	62.9	1,248	552	522	–
1983	813	51	62.7	453	360	–	–
1984	804	44	54.7	481	266	57	–
1985	2,333	117	50.2	1,290	552	398	93
1986	3,914	189	48.3	1,832	817	1,159	106
1987	2,782	121	43.5	1,418	651	573	140
1988	1,656	72	43.5	1,083	293	214	66
1989	742	32	43.1	711	31	–	–
1990	798	35	43.9	762	36	–	–
1991	1,012	42	41.5	1,012	–	–	–
1992	301	13	43.2	301	–	–	–
1993	26	1	38.5	26	–	–	–
1994	72	3	41.7	72	–	–	–
1995	723	35	48.4	–	–	–	–
1996	875	46	52.6	–	–	–	–
1997	722	35	48.5	–	–	–	–
1998	789	36	45.4	–	–	–	–
1999	1,139	46	40.5	–	–	–	–
2000	2,038	72	35.6	–	–	–	–
2001	3,110	118	38.0	–	–	–	–
2002	3,879	148	38.3	–	–	–	–
2003	4,640	177	38.1	3,629	–	–	1,011
2004	4,251	233	54.8	–	–	–	–
2005	4,567	429	94.0	3,119	104	–	1,344
2006	5,113	407	79.5	3,167	408	–	1,538
2007	5,444	447	82.2	3,491	52	–	1,901
2008	5,955	991	166.4	4,252	–	0	1,703
2009	6,468	672	103.9	4,168	–	16	2,284
2010	7,406	1,016	137.1	4,603	–	0	2,803
2011	8,816	1,774	201.2	4,295	261	–	4,260

자료 : 한국무역협회

5 무연탄 재고 Anthracite Stocks

단위 : 천 톤 Unit : Thousand ton

	합 계 Total	연 탄 공 장 Briquette Factory	정 부 비 축 Government	탄 광 Mine	입 항 지 Port
1995	8,492	1,747	4,058	2,156	531
1996	8,937	1,292	5,033	2,149	463
1997	9,720	1,064	6,038	2,218	400
1998	10,269	939	7,024	1,955	351
1999	10,737	701	7,801	1,936	299
2000	10,774	538	8,111	1,829	296
2001	10,576	581	8,111	1,592	292
2002	10,101	402	8,111	1,344	244
2003	9,527	400	8,061	825	241
2004	8,894	304	8,061	401	128
2005	7,388	201	6,943	227	17
2006	5,551	620	4,671	260	–
2007	4,231	529	3,445	257	–
2008	2,797	607	2,026	164	–
2009	2,226	537	1,596	93	–
2010	1,853	479	1,308	66	–
2011	1,720	514	1,142	64	–

자료 : 대한석탄협회

6 생산규모별 국내 탄광 현황 Number of Anthracite Mines by Production Size

단위 : 개 Unit : Each

	합 계 Total	5만톤 이하 50,000 M/T Under	5~10만톤	10~30만톤	30~50만톤	50만톤 이상 500,000 M/T Over
1995	27	15	3	2	1	6
1996	11	1	1	2	1	6
1997	11	1	1	2	2	5
1998	12	2	1	2	2	5
1999	11	1	1	2	2	5
2000	12	2	1	3	1	5
2001	13	3	1	3	1	5
2002	10	1	1	3	1	4
2003	9	1	2	2	1	3
2004	11	2	1	3	1	4
2005	8	–	2	2	–	4
2006	7	–	1	2	–	4
2007	7	–	1	2	–	4
2008	7	–	1	2	–	4
2009	6	1	–	1	–	4
2010	5	–	–	1	–	4
2011	5	–	–	1	–	4

자료 : 대한석탄협회

7 탄전별 무연탄 매장량 Anthracite Reserves by Coal Field

단위 : 천 톤 Unit : Thousand ton

탄 전 Coal Field	매 장 량		가 채 매 장 량 Recoverable Coal Reserves		
	Reserves	점유율(%) Share	합 계 Total	가 채 량 Recoverable Reserves	잠재가채량 Potential Recoverable
합 계 Total	**1,352,601**	**100.0**	**562,620**	**322,106**	**240,514**
	(657,096)		**(373,085)**	**(213,981)**	**(159,104)**
삼 척 탄 전 Samch k	471,671	34.9	219,555	145,384	74,171
	(233,532)		(141,711)	(88,985)	(52,726)
정 선 탄 전 Ch ngs n	450,950	33.3	97,968	44,869	53,099
	(88,170)		(36,866)	(18,886)	(17,980)
충 남 탄 전 Chungnam	116,293	8.6	53,898	29,902	23,996
	(105,668)		(48,718)	(27,111)	(21,607)
문 경 탄 전 Mun-gy ng	69,928	5.2	43,986	25,406	18,580
	(68,391)		(42,911)	(24,976)	(17,935)
강 릉 탄 전 Kangnung	63,764	4.7	43,411	20,864	22,547
	(59,181)		(40,218)	(19,548)	(20,670)
단 양 탄 전 Tanyang	62,067	4.6	30,893	15,839	15,054
	(41,536)		(20,989)	(11,674)	(9,315)
호 남 탄 전 Honam	89,448	6.6	53,544	28,910	24,634
	(33,119)		(22,983)	(12,152)	(10,831)
보 은 탄 전 poun	24,144	1.8	16,368	9,274	7,094
	(24,144)		(16,368)	(9,274)	(7,094)
기 타 탄 전 Others	4,336	0.3	2,998	1,659	1,339
	(3,355)		(2,322)	(1,376)	(946)

주 : 2008년 기준이며, ( )는 합리화된 광산임.
자료 : 대한석탄협회

8 석탄광 종업원 수 및 생산성(O.M.S) Coal Mining Employees and Output per man shift

	대한석탄공사 DHCC		민 영 Private		합 계 Total	
	종업원 수 Emplyees	생 산 성 O.M.S	종업원 수 Emplyees	생 산 성 O.M.S	종업원 수 Emplyees	생 산 성 O.M.S
	명(person)	톤(ton)	명(person)	톤(ton)	명(person)	톤(ton)
1981	15,800	1.02	44,502	1.25	60,302	1.21
1982	16,707	1.07	45,603	1.18	62,310	1.15
1983	15,358	1.10	44,565	1.22	59,923	1.19
1984	14,952	1.15	48,666	1.24	63,618	1.22
1985	14,992	1.18	52,114	1.23	67,136	1.22
1986	12,134	1.21	53,727	1.27	68,861	1.26
1987	15,341	1.20	53,150	1.28	68,491	1.26
1988	14,260	1.25	47,999	1.38	62,259	1.35
1989	12,880	1.33	35,054	1.50	47,934	1.46
1990	10,679	1.33	27,422	1.65	38,101	1.56
1991	10,450	1.40	22,111	1.76	32,561	1.65
1992	9,500	1.33	16,512	1.78	26,021	1.61
1993	7,949	1.29	11,512	1.83	19,461	1.61
1994	6,370	1.32	8,555	1.86	14,925	1.63
1995	5,434	1.24	6,301	1.99	11,735	1.65
1996	5,031	1.20	5,694	2.01	10,725	1.62
1997	4,556	1.24	5,167	2.03	9,723	1.66
1998	3,790	1.28	4,786	2.10	8,576	1.71
1999	3,706	1.37	4,508	2.18	8,214	1.80
2000	3,768	1.38	4,439	2.23	8,207	1.81
2001	3,543	1.29	3,626	2.22	7,169	1.77
2002	3,232	1.23	3,392	2.29	6,624	1.75
2003	3,255	1.30	3,347	2.67	6,602	1.77
2004	3,268	1.35	2,590	2.29	5,876	1.81
2005	3,351	1.47	2,385	2.62	5,736	1.96
2006	3,553	1.51	2,387	2.71	5,940	1.99
2007	3,464	1.67	2,333	2.70	5,797	2.08
2008	3,115	1.72	1,872	2.89	4,987	2.17
2009	2,754	1.95	1,708	2.79	4,462	2.26
2010	2,668	1.82	1,382	2.86	4,050	2.18
2011	2,378	1.89	1,390	2.99	3,768	2.30

자료 : 대한석탄협회

9 유연탄 수급 Bituminous Demand and Supply

단위 : 천 톤 Unit : Thousand ton

	수 입 Import	수 요 Demand			
		합 계 Total	발 전 Electricity	제 철 Iron & Steel	시멘트 및 기타 Cement & Others
1981	7,245	7,434	–	5,941	1,493
1982	9,039	8,504	–	6,033	2,471
1983	10,151	9,633	546	6,199	2,889
1984	12,194	12,745	3,342	6,888	2,514
1985	17,131	14,697	5,140	6,959	2,598
1986	16,437	15,290	5,363	6,995	2,932
1987	17,834	16,218	4,442	8,348	3,428
1988	21,913	19,274	5,579	9,722	3,973
1989	23,500	20,468	5,227	11,167	4,074
1990	22,848	21,876	5,723	11,735	4,418
1991	27,906	24,835	5,776	13,951	5,108
1992	29,208	26,217	6,322	14,375	5,520
1993	35,157	31,551	9,008	15,972	6,571
1994	38,710	35,111	12,376	15,750	6,985
1995	43,166	38,089	14,229	16,305	7,555
1996	45,924	44,908	18,948	17,362	8,598
1997	49,312	49,712	22,715	18,178	8,819
1998	50,566	51,262	25,682	18,330	7,250
1999	51,101	54,137	28,297	18,442	7,399
2000	59,601	60,329	33,305	19,415	7,609
2001	61,857	63,686	36,601	19,315	7,770
2002	64,640	68,264	40,143	20,097	8,024
2003	65,318	70,540	41,631	20,509	8,400
2004	72,103	73,978	45,512	20,838	7,628
2005	69,330	75,788	47,852	20,810	7,126
2006	70,888	77,998	50,199	20,731	7,068
2007	79,355	84,430	55,487	21,519	7,424
2008	90,470	93,983	62,791	23,568	7,624
2009	92,952	98,602	71,092	20,734	6,776
2010	106,096	110,926	76,674	27,210	7,042
2011	116,118	119,678	80,393	31,762	7,523

자료 : 대한석탄협회

10 유연탄 수입 Bituminous Imports

	합 계 Total		제 철 Iron & Steel		연 료 Steam	
	물 량 Quantity	금 액 Amount	물 량 Quantity	금 액 Amount	물 량 Quantity	금 액 Amount
	1,000 ton	mil.USD	1,000 ton	mil.USD	1,000 ton	mil.USD
1981	7,245	483.8	5,825	379.1	1,421	104.7
1982	9,039	600.9	6,439	437.3	2,600	163.6
1983	10,151	588.4	6,394	413.3	3,757	175.1
1984	12,194	663.4	6,321	400.2	5,873	263.2
1985	17,131	890.1	8,125	492.8	9,006	397.2
1986	16,437	797.7	6,575	382.0	9,862	415.7
1987	17,834	817.2	9,247	501.1	8,587	316.2
1988	21,913	1,021.2	11,237	599.8	10,676	421.3
1989	23,500	1,212.1	11,651	663.9	11,849	548.2
1990	22,847	1,216.9	11,287	664.9	11,560	552.0
1991	27,906	1,514.4	15,572	929.1	12,334	585.3
1992	29,654	1,546.9	16,381	938.4	13,273	608.5
1993	35,157	1,670.4	17,321	943.9	17,837	726.5
1994	38,710	1,718.4	16,902	860.2	21,808	858.2
1995	43,166	2,018.8	17,151	919.6	26,015	1,099.2
1996	45,924	2,301.4	18,226	1,028.6	27,698	1,272.8
1997	49,314	2,328.8	17,395	977.7	31,919	1,351.1
1998	50,566	2,146.5	17,979	941.5	32,587	1,205.0
1999	51,101	1,866.8	17,227	780.4	33,874	1,086.6
2000	59,601	2,033.0	19,575	830.2	40,026	1,202.8
2001	61,857	2,157.4	17,899	771.3	43,958	1,386.1
2002	64,640	2,254.3	17,660	805.6	46,980	1,448.7
2003	65,318	2,266.1	17,676	818.7	47,642	1,447.4
2004	72,103	3,891.4	18,954	1,300.1	53,149	2,591.3
2005	69,330	4,803.1	16,975	1,865.2	52,355	2,937.9
2006	70,888	4,699.8	16,466	1,857.2	54,422	2,842.6
2007	79,355	5,674.8	18,385	1,909.3	60,970	3,765.5
2008	90,470	11,155.6	20,912	2,601.2	69,558	8,554.4
2009	92,952	8,996.9	19,553	–	73,399	–
2010	106,096	11,425.2	24,328	–	81,768	–
2011	116,118	16,043.8	26,157	–	89,961	–

Source : Korea Coal Association

11 연탄 공장 현황 Number of Briquette Factories

	2003	2004	2005	2006	2007	2008	2009	2010	2011
합 계 Total	88	64	60	55	60	52	50	49	51
서 울 Seoul	3	3	3	2	3	2	2	2	2
부 산 Pusan	2	2	3	2	3	1	1	1	1
대 구 Taegu	4	4	4	4	4	3	3	3	3
광 주 Kwangju	1	1	1	1	1	1	1	1	1
대 전 Taechun	3	3	3	3	3	3	3	3	3
경 기 Kyunggi	22	2	2	2	2	2	2	2	2
강 원 Kaung-won	12	11	11	10	11	11	11	11	11
충 북 Chungbuk	5	5	5	5	5	5	5	5	6
충 남 Chungnam	5	5	3	3	3	3	3	3	3
전 북 Chunbuk	7	7	4	4	4	2	2	2	2
전 남 Chunnam	6	6	6	6	6	4	2	2	2
경 북 Kyungbuk	14	13	13	13	13	13	13	13	14
경 남 Kyungnam	3	2	2	2	2	2	2	1	1
제 주 Cheju	1	–	–	–	–	–	–	–	–

자료 : 대한석탄협회

12 연탄 가격 추이 Trend of Briquette Price

	공 장 도 Plant Gate Price		판 매 소 도 Seller's Gate Price		가 정 도 House Gate Price	
	가격 price	인상율 Increasing	가격 price	인상율 Increasing	가격 price	인상율 Increasing
	원(Won)	%	원(Won)	%	원(Won)	%
1976. 5. 14	29.20	3.5	32.20	3.2	36.00	2.9
1977. 2. 4	37.70	29.1	41.00	27.3	45.00	25.0
12. 18	49.50	31.3	54.50	32.9	60.00	33.3
1979. 4. 16	70.00	41.4	80.00	46.8	85.00	41.7
1980. 5. 4	96.50	37.9	109.00	13.6	115.00	35.3
1981. 4. 19	116.50	20.7	131.00	20.2	138.00	20.0
8. 14	131.00	12.4	145.50	11.1	153.00	10.9
1982. 7. 1	135.00	3.1	150.00	3.1	158.00	3.3
1983. 5. 13	135.00	–	150.00	–	158.00	–
1984. 5. 17	135.00	–	150.00	–	158.00	5.1
1985. 4. 14	140.00	3.7	151.00	0.7	166.00	3.0
9. 5	145.00	3.6	156.00	3.3	171.00	4.1
1986. 5. 5	151.00	4.1	168.00	7.7	178.00	–
1987. 4. 4	160.00	6.0	177.00	5.4	187.00	5.1
1988. 5. 10	167.25	4.5	185.00	4.5	195.00	4.3
1989. 6. 3	167.25	–	185.00	4.5	195.00	–
1990. 9. 6	167.25	–	185.00	–	200.00	2.6
1991. 10. 2	167.25	–	시·도지사결정	–	시·도지사결정	–
1992. 7. 15	167.25	–	〃	–	〃	–
1993. 7. 10	167.25	–	〃	–	〃	–
1994. 12. 19	167.25	–	〃	–	〃	–
1995. 1. 1	167.25	–	〃	–	〃	–
1996. 9. 5	167.25	–	〃	–	〃	–
1997. 9. 1	167.25	–	〃	–	〃	–
1998. 10. 1	167.25	–	〃	–	〃	–
1999. 11. 1	167.25	–	〃	–	〃	–
2000. 11. 1	167.25	–	〃	–	〃	–
2001. 9. 1	167.25	–	〃	–	〃	–
2003. 3. 1	184.00	10.0	201.75	9.1	〃	–
2003. 12. 1	184.00	–	201.75	–	〃	–
2004. 12. 1	184.00	–	201.75	–	〃	–
2005. 9. 1	184.00	–	201.75	–	〃	–
2007. 4. 1	221.00	20.0	238.75	18.3	〃	–
2008. 4. 1	287.25	30.0	305.00	27.7	〃	–
2009. 11. 1	373.50	30.0	391.50	28.4	〃	–
2011. 8. 1	373.50	동결	391.25	동결	〃	–

주 : 서울시 3.6㎏ 연탄가격 기준
자료 : 대한석탄협회

13 석탄광 재해 현황

	생산량 Production	종업원수 Employee	연가동인원 Men shift per year	재해자 수 Number of person			
				합 계 Total	사 망 Death	중 상 Severe injury	경 상 Slight injury
	1,000 M/T	명(persons)	1,000명 (1,000 persons)	명(persons)			
1981	19,865	60,302	18,694	6,157	194	2,599	3,364
1982	20,116	62,310	19,316	5,413	167	2,348	2,898
1983	19,861	58,959	18,277	5,066	164	2,281	2,621
1984	21,370	61,812	18,966	5,549	170	2,344	3,035
1985	22,543	64,745	20,071	5,925	181	2,418	3,326
1986	24,253	68,861	19,329	6,182	167	2,648	3,367
1987	24,273	71,947	19,726	5,909	174	2,583	3,152
1988	24,295	62,259	17,642	5,696	159	2,581	2,956
1989	20,785	47,934	14,085	4,953	111	2,218	2,624
1990	17,217	38,101	11,137	3,773	108	1,878	1,787
1991	15,058	32,561	8,665	2,483	74	1,545	1,224
1992	11,970	26,021	7,357	1,916	74	984	858
1993	9,443	19,461	5,456	1,331	57	557	717
1994	7,438	14,925	4,476	786	46	426	314
1995	5,720	11,735	3,481	423	17	274	132
1996	4,951	10,889	3,048	265	27	172	66
1997	4,512	9,543	2,850	235	15	142	78
1998	4,361	8,430	2,564	153	6	108	39
1999	4,197	8,214	2,330	112	9	60	45
2000	4,150	8,207	2,271	107	6	42	59
2001	3,817	7,812	2,152	99	14	34	51
2002	3,318	6,872	1,896	70	14	20	36
2003	3,298	6,636	1,858	62	7	20	35
2004	3,191	6,570	1,759	48	5	11	32
2005	2,832	5,736	1,447	22	3	7	12
2006	2,824	5,888	1,422	31	–	8	23
2007	2,886	5,843	1,385	43	3	14	26
2008	2,773	5,301	1,275	36	4	11	21
2009	2,519	4,462	1,112	15	4	4	7
2010	2,084	4,050	995	13	1	4	8
2011	2,084	3,768	905	11	2	4	5

자료 : 대한석탄협회

13 Coal Mining Accidents

백만인당 재해자 수 Accidents per million Men shifts				백만톤당 재해자 수 Accidents per million tonnes of product				
합 계 Total	사 망 Death	중 상 Severe injury	경 상 Slight injury	합 계 Total	사 망 Death	중 상 Severe injury	경 상 Slight injury	
명(persons)								
332.1	10.5	140.2	181.5	309.9	9.8	130.8	169.3	1981
283.7	8.8	123.1	151.9	269.1	8.3	116.7	144.1	1982
277.1	8.9	124.8	143.4	254.9	8.2	114.8	131.9	1983
292.6	9	123.6	160	259.7	8	109.7	142	1984
295.2	9	120.5	165.7	262.8	8	107.3	147.5	1985
319.8	8.6	137	174.2	254.9	6.9	109.2	138.8	1986
299.6	8.8	130.9	159.8	243.4	7.1	106.4	129.9	1987
322.9	9	146.3	167.6	234.4	6.5	106.2	121.7	1988
351.7	7.9	157.5	186.3	238.3	5.3	106.7	126.3	1989
338.8	9.7	168.6	160.5	219.1	6.3	109.1	103.7	1990
328.1	8.5	178.3	141.2	188.8	4.9	102.6	81.2	1991
260.4	10.1	133.8	116.6	160.1	6.2	82.2	71.7	1992
244	10.4	102.1	131.4	140.9	6	59	75.9	1993
175.6	10.3	95.2	70.2	105.7	6.2	57.3	42.2	1994
125.1	4.9	78.7	37.9	74	3	47.9	23.1	1995
86.4	8.8	56.1	21.5	53.5	5.5	34.7	13.3	1996
82.5	5.3	49.8	27.4	52.1	3.3	31.5	17.3	1997
59.7	2.3	42.1	15.2	35.1	1.4	24.8	8.9	1998
48.9	3.9	25.8	19.3	27.2	2.1	14.3	10.8	1999
47.1	2.6	18.5	26	25.7	1.4	10.1	14.2	2000
46	6.5	15.8	23.7	25.9	3.7	8.9	13.3	2001
36.9	7.4	10.5	19	21.1	4.2	6	10.9	2002
33.4	3.8	10.8	18.8	18.8	2.1	6.1	10.6	2003
27.3	2.8	6.3	18.2	15	1.6	3.4	10	2004
15.2	2.1	4.8	8.3	7.8	1.1	2.5	4.2	2005
21.8	–	5.6	16.2	11	–	2.8	8.2	2006
31	2.1	10.1	18.8	14.9	1	4.9	9	2007
28.2	3.1	8.6	16.5	13	1.4	4	7.6	2008
13.5	3.6	3.6	6.3	6	1.6	1.6	2.8	2009
13.6	1	4.2	8.4	6.2	0.5	1.9	3.8	2010
12.1	2.2	4.4	5.5	5.3	1	1.9	2.4	2011

Scurce : korea Coal Association

14 연탄 사용 가구 수 Number of Household Using Briquette

단위 : 천 가구 Unit : Thousand house

	추계가구[1]	연탄사용가구[2]	점 유 율(%)
1989	11,175	7,957	71.2
1990	11,355	7,180	63.2
1991	11,272	7,144	63.4
1992	11,755	6,162	52.4
1993	12,186	3,997	32.8
1994	13,103	2,379	18.2
1995	12,958	1,412	10.9
1996	14,242	832	5.8
1997	14,844	588	4.0
1998	14,852	353	2.4
1999	15,115	316	2.1
2000	14,391	241	1.7
2001	14,834	223	1.5
2002	15,064	191	1.3
2003	15,298	157	1.0
2004	15,539	185	1.2
2005	15,988	201	1.3
2006	17,488	208	1.2
2007	16,417	287	1.7
2008	16,673	204	1.2
2009	16,917	174	1.0
2010	17,334	174	1.0
2011	17,687	159	0.9

자료 : 1) 통계청 2) 각 시도

15 석탄 및 연탄가격 Coal and Briquette Price

1. 석탄 및 연탄지원 단가

단위 : 천톤

구 분	석 탄(원/톤)				연 탄(제조사)(원/장)				
	'08	'09	'10	'11	'07	'08	'09	'0	'11
• 생산원가	156,300	143,692	147,045	160,074	426.25 (395.50)	490.25 (438.28)	533.25 (504.98)	– (564.75)	578.75 (645.75)
• 판매가격 – 인상전 – 인상후	 106,992 123,713	 121,425 130,107	 128,746 –	 124,713 143,420	 184.00 221.00	 221.00 287.25	 287.25 373.50	 373.50 –	 373.50 –
• 지원단가 – 인상전 – 인상후	 49,308 32,587	 22,267 13,585	 18,299 –	 35,361 16,654	 211.50 205.25	 217.25 203.00	 217.50 159.75	 191.25 –	 205.25 272.25
• 지원율(%) – 인상전 – 인상후	 3155 20.85	 15.50 9.45	 12.44 –	 22.09 10.40	 53.48 48.15	 49.57 41.41	 43.07 29.96	 33.86 –	 35.46 42.16

• (연탄)생산원가 = 판매(공장도)가격 + (제조비)지원단가
• 연탄 생산원가에서 괄호 안은 인상 전 원가기준, 연탄가격은 '03.3.1, '07.4.1, '08.4.1, '09.11.1 인상

2. 석탄 및 연탄가격 인상추이

구 분	'89~'95	'97	'98	'99	'00~'01	'02	'03	'04	'05	'06	'07	'08	'09	'10	'11
석 탄	동결	10%	15%	15%	동결	5%	5%	7.5%	10%	10%	10%	15.5%	7.15%	동결	15.0%
연 탄 (가격)	'89 ~ '02년까지 동결(167.25)						10% [184]	동결(184.00)			20% [221.00]	30% [287.25]	30% [373.50]	30% [373.50]	동결

• 연탄(공정도)가격은 '09. 11. 1부터 30% 인상, [ ]안은 인상 후 연탄(공장도)가격(원/장)

3. 연탄제조용 및 발전용 무연탄 최고판매가격

단위 : 원/톤

등 급	열 량(kcal/kg)	최고판매가격
1급	5,200~5,399	자율가격
2급	5,000~5,199	〃
3급	4,800~4,999	153,600
4급	4,600~4,799	147,920
5급	4,400~4,599	142,230
6급	4,200~4,399	136,560
7급	4,000~4,199	자율가격
8급	3,750~3,999	〃
9급	3,500~3,749	〃
급외1	3,250~3,499	〃
급외2	3,000~3,249	〃

• 발전용탄중 2급이상은 3급탄의 중위열량(kcal/kg)당 단가로 각 등급별 중위열량을 곱한 금액을 기준으로 한다.
(자료 : 무연탄 및 연탄의 최고판매가격 지정에 관한 고시, '11.8.1)

4. 연탄 판매가격 (1호탄(3.6kg) 기준) : 전국 단일가격

단위 : 원/장

2008. 4. 1 ~ 2009. 10. 31		2009. 11. 1부터	
공장도 가격	판매소(소매점) 가격	공장도 가격	판매소(소매점) 가격
287.25	305.00	373.50	391.25

• 판매소 가격에는 판매소까지의 수송비 개당 12.75원(상·하차비 포함)과 판매소 수수료 개당 5원 포함
• 소비자가격 = 판매소(소매점) 가격(공장도가격 + 판매수수료 + 운반비) + 배달료(자율화)

5. 연탄 가격구조

단위 : 원/장

정부보조금				소비자(가정도) 가격					합계 (A+B)
원 탄 (석탄)	연 탄 제조비	연 탄 수송비	계 (A)	공장도 가 격	판 매 수수료	운반비	배달료	계 (B)	
59.95	272.25	24.75	356.95 (42.2%)	373.50	5.00	12.75	98.25 (자율화)	489.50 (67.7%)	846.45 (100%)
				판매소(소매점) 가격					
				391.25					

* 석탄가격인상('09.11.1) 이후 기준
* A+B는 정부보조금 없을시 정상소비자가격
* 상기 배달료는 서울 평지 기준으로 배달 지역에 따라 배달료는 상이할 수 있음

6. 연탄 품질기준

구분 / 단위	지 름 (mm)	높 이 (mm)	무 게 (kg)	발열량 (kcal/kg)	공수
1호	150	142	3.6	4,4000이상	22(일반가정용)
2호	158	152	4.5	〃	25
3호	162	155	4.8	〃	25
4호	157	161	4.9	〃	19
5호	215	142	7.5	〃	31

V. 전 력

Electricity

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18. 현행 전기요금표
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1 전력 주요 지표

	단 위 Unit	1981	1985	1990	1995	2000	2002	2003
발전설비	kW	11,029,344	17,639,982	24,055,893	35,355,785	53,684,913	59,614,102	60,719,720
한전, 자회사	〃	9,130,580	15,013,903	19,782,833	30,561,633	44,566,083	49,560,683	50,432,383
타사	〃	704,800	1,122,800	1,238,290	1,622,240	3,884,634	4,240,164	4,240,779
집단 및 대체	〃	–	–	–	–	–	–	1,379,515
상용자가	〃	1,193,964	1,503,279	3,034,770	3,171,912	5,234,196	5,813,255	4,667,043
총발전량	MWh	44,088,303	62,667,201	118,460,795	203,546,465	290,442,948	332,020,947	347,756,209
한전, 자회사	〃	37,428,005	56,179,998	103,184,998	179,073,203	256,841,584	292,182,776	306,866,082
타사	〃	2,778,660	1,754,007	4,206,029	4,032,626	4,836,511	9,850,632	10,706,909
집단 및 대체	〃	–	–	–	–	–	–	–
상용자가	〃	3,881,638	4,733,196	11,067,768	20,440,636	28,764,853	29,987,539	30,183,218
					(1554996)	(4,721,413)	(4,440,656)	(4,878,706)
소내소비전력량	〃	2,102,514	3,422,742	5,394,570	8,298,749	12,328,447	13,728,064	14,225,808
소내소비율	%	5.23	5.91	5.02	4.53	4.71	4.55	4.48
양수용전력량	MWh	153,950	676,358	2,272,202	3,668,783	2,117,789	2,687,557	2,581,202
송전단전력량	〃	37,950,201	53,908,278	100,002,741	172,693,293	251,953,275	290,058,444	305,644,685
송배전손실량	〃	2,252,746	3,176,183	5,619,450	9,422,999	11,871,191	12,994,484	13,539,237
송배전손실율	%	6.66	5.89	5.62	5.46	4.71	4.48	4.43
판매전력량	MWh	35,424,455	50,732,095	94,383,292	163,270,294	239,535,486	278,451,371	293,599,230
수요성장율	%	8.22	7.82	14.80	11.40	11.80	8.00	5.40
최대전력	kW	6,144,194	9,348,942	17,251,683	29,878,000	41,007,164	45,773,000	47,385,000
평균전력	〃	48,589,802	6,621,847	12,291,040	21,080,003	30,327,813	34,985,624	36,809,554
부하율[1]	%	74.7	70.8	71.2	70.6	74.0	76.4	77.7
이용율	%	46.7	43.5	58.4	66.3	62.2	65.7	65.9
판매단가	원/kWh	64.31	67.92	52.94	61.28	74.65	73.88	74.68
수용가수	호 수	5,682,341	6,931,167	9,315,211	12,771,338	14,975,793	16,490,026	16,775,526
인구1인당전력생산량[2]	kWh/명	1,038	1,422	2,516	4,117	5,635	6,433	6,728
					(4,538)	(6,144)	(6,969)	(7,256)
인구1인당전력소비량	kWh/명	915	1,243	2,202	3,640	5,067	5,845	6,126

주 : 1) 최대전력에 대한 평균전력의 비를 백분율로 나타낸 것
2) (　　) 내는 상용발전 자체 소비량 포함분임
자료 : www.kepco.co.kr (한국전력통계)

1 Major Indicators of Electricity

2004	2005	2006	2007	2008	2009	2010	2011	
64,552,574	67,075,240	69,833,742	73,123,950	76,580,350	77,692,749	79,983,793	83,310,472	Generating Facilities
53,906,843	55,956,412	58,141,662	60,268,657	63,529,309	63,962,317	65,559,674	67,002,722	KEPCO & Subsidiaries
4,564,883	4,764,663	5,850,658	6,244,372	6,773,416	6,761,099	6,702,810	12,339,145	Other Co.
1,489,405	1,537,122	1,621,922	1,755,159	2,187,967	2,746,562	3,815,704	4,481,884	District & Alternative
4,591,443	4,817,043	4,319,500	4,855,762	4,089,658	4,222,771	3,905,605	3,968,605	Non-Utility in Common Use
368,033,552	389,479,512	402,988,942	425,407,289	442,610,958	452,447,461	495,744,722	518,110,529	Gross Generation
327,191,187	349,758,383	362,446,663	380,201,047	394,929,871	406,779,556	435,384,165	443,409,223	KEPCO & Subsidiaries
10,608,606	11,448,962	15,247,398	18,177,427	20,295,131	18,350,447	25,875,553	52,670,709	Other Co.
3,902,721	3,162,645	3,107,954	3,915,964	6,427,847	7,617,607	12,558,291	20,021,454	District & Alternative
26,331,038	25,109,522	22,186,927	23,112,851	20,958,109	19,699,851	21,926,713	22,030,597	Non-Utility in Common Use
(445,453)	(269,341)	(373,693)	(830,063)	(729,277)	(856,135)	(842,196)	(813,434)	
15,268,295	16,451,551	15,811,741	16,614,307	17,374,100	18,258,121	19,371,717	19,689,178	Auxiliary Use
4.52	4.56	4.19	4.17	4.19	4.30	4.20	4.14	Aux. Use Factor
1,994,428	1,980,383	2,315,002	1,816,953	3,242,816	3,712,816	3,662,630	4,256,763	Pumping Storage
324,885,244	346,207,397	363,053,966	384,693,240	401,726,293	411,631,124	451,432,993	472,650,336	Net Generation
14,490,446	15,614,768	14,587,227	15,345,161	16,106,376	16,769,741	18,034,237	17,430,383	T & D Losses
4.46	4.51	4.02	3.99	4.01	4.07	3.99	3.69	Loss Factor(T & D)
312,095,586	332,412,828	348,719,371	368,605,433	385,070,137	394,474,637	434,160,228	455,070,261	Power Sold
6.30	6.50	4.90	5.70	4.50	2.40	10.10	4.80	Growth Rate
51,264,000	54,631,000	58,994,000	62,285,000	62,794,000	66,797,000	71,308,000	73,137,000	Peak Load
39,057,987	41,625,494	43,513,780	46,018,779	48,082,323	49,498,144	54,184,955	56,722,987	Average Load
76.2	76.2	73.8	73.9	76.6	74.1	75.9	77.6	Load Factor
66.5	67.5	66.9	67.9	67.7	67.8	73.3	73.9	Plant Factor
74.58	74.46	76.43	77.85	78.76	83.59	86.12	89.32	Average Revenues per KWh Sold
17,061,591	17,329,494	17,624,836	18,038,810	18,419,048	18,727,411	19,229,450	19,814,866	Customers
7,116	7,550	7,893	8,319	8,689	8,895	9,172	9,982	Generation per Capita
(7,654)	(8,605)	(8,173)	(8,779)	(9,106)	(9,282)	(10,160)	(10,408)	
6,491	6,883	7,191	7,607	7,922	8,092	8,883	9,142	Consumption per Capcta

Note : 1) The ratio as a percentage of average power for maximum power
2) Figures in ( ) include non-utility generation self_consumption in common use
Source : www.kepco.co.kr (Statistics of elctric power in Korea)

2 발전 설비

단위 : kW

	합 계 Total		수 력 Hydro		원자력 Nuclear		집 단 District Energy		대 체 Alternative Energy		화 력 Thermal	
		%		%		%		%		%		%
1981	9,835,380	100.0	1,201,730	12	587,000	6.0	–	–	–	–	8,046,650	81.8
1982	10,304,063	100.0	1,201,730	12	1,265,683	12.3	–	–	–	–	7,836,650	76.1
1983	13,115,263	100.0	1,201,730	9	1,915,683	14.6	–	–	–	–	9,997,850	76.2
1984	14,190,263	100.0	1,201,730	9	1,915,683	13.5	–	–	–	–	11,072,850	78.0
1985	16,136,703	100.0	2,223,170	14	2,865,683	17.8	–	–	–	–	11,047,850	68.4
1986	18,060,083	100.0	2,224,550	12	4,765,683	26.4	–	–	–	–	11,069,850	61.3
1987	19,020,503	100.0	2,232,270	12	5,715,683	30.1	–	–	–	–	11,072,550	58.2
1988	19,944,123	100.0	2,235,740	11	6,665,683	33.4	–	–	–	–	11,042,701	55.4
1989	20,997,043	100.0	2,338,660	11	7,615,683	36.3	–	–	–	–	11,042,700	52.6
1990	21,021,123	100.0	2,340,040	11	7,615,683	36.2	–	–	–	–	11,065,400	52.6
1991	21,110,623	100.0	2,444,540	12	7,615,683	36.1	–	–	–	–	11,050,400	52.3
1992	24,120,073	100.0	2,497,790	10	7,615,683	31.6	–	–	–	–	14,006,600	58.1
1993	27,653,693	100.0	2,503,710	9	7,615,683	27.5	–	–	–	–	17,534,300	63.4
1994	28,749,573	100.0	2,492,590	9	7,615,683	26.5	–	–	–	–	18,641,300	64.8
1995	32,183,873	100.0	3,093,390	10	8,615,683	26.8	–	–	–	–	20,474,800	63.6
1996	35,715,433	100.0	3,094,450	9	9,615,683	26.9	–	–	–	–	23,005,300	64.4
1997	41,041,778	100.0	3,114,595	8	10,315,683	25.1	–	–	–	–	27,611,500	67.3
1998	43,405,841	100.0	3,131,208	7	12,015,683	27.7	–	–	–	–	28,258,950	65.1
1999	46,977,697	100.0	3,147,564	7	13,715,683	29.2	–	–	–	–	30,114,450	64.1
2000	48,450,717	100.0	3,148,664	7	13,715,683	28.3	–	–	–	–	31,586,370	65.2
2001	50,858,647	100.0	3,875,764	8	13,715,683	27.0	–	–	–	–	33,267,200	65.4
2002	53,800,847	100.0	3,875,764	7	15,715,683	29.2	–	–	–	–	34,209,400	63.6
2003	56,052,677	100.0	3,876,779	7	15,715,683	28.0	1,296,200	2.3	83,315	0.2	35,080,700	62.6
2004	59,961,131	100.0	3,879,313	7	16,715,683	27.9	1,381,500	2.3	107,905	0.2	37,876,730	63.1
2005	62,258,197	100.0	3,882,813	6	17,715,683	28.4	1,381,500	2.2	155,622	0.2	39,278,201	63.0
2006	65,514,242	100.0	5,484,858	8	17,715,683	27.0	1,381,500	2.1	240,422	0.4	40,691,779	62.1
2007	68,268,188	100.0	5,492,087	8	17,715,683	26.0	892,750	2.0	862,409	0.5	43,305,259	63.5
2008	72,490,692	100.0	5,505,137	8	17,715,683	24.4	1,459,630	2.0	728,337	1.0	47,081,905	65.0
2009	73,469,978	100.0	5,514,572	8	17,715,683	24.1	1,610,210	2.2	1,136,352	1.6	47,493,161	64.6
2010	76,078,188	100.0	5,524,540	7	17,715,683	23.3	2,066,724	2.7	1,748,980	2.3	49,022,261	64.4
2011	79,341,867	100.0	6,418,389	8	18,715,683	23.6	2,623,224	3.3	1,858,660	2.3	49,725,911	62.7

주 : 1) 상용자가 제외
2) 2001. 4. 2. 발전부문 분리
자료 : www.kepco.co.kr (한국전력통계)

2 Generating Facilities

Unit : kW

화 력 구 분 Thermal										
석탄혼소 Coal Mix	%	석유화력 Oil Thermal	%	LNG		복합화력 Combined Cycle	%	내 연 력 Internal Combustion	%	
750	7.4	6,087,300	61.9	–	–	920,000	9.4	314,350	3.2	1981
650,000	6.3	6,072,300	58.9	–	–	920,000	8.9	194,350	1.9	1982
2,110,000	16.1	6,772,300	51.6	–	–	920,000	7.0	195,550	1.5	1983
3,170,000	22.3	6,772,300	47.8	–	–	920,000	6.5	210,550	1.5	1984
3,700,000	22.9	6,212,300	38.5	–	–	920,000	5.7	215,550	1.3	1985
3,700,000	20.5	3,662,300	20.3	2,550,000	14.1	920,000	5.1	237,550	1.3	1986
3,700,000	19.5	3,662,300	19.2	2,550,000	13.4	920,000	4.8	240,250	1.3	1987
3,700,000	18.5	3,662,300	18.4	2,550,000	12.8	895,000	4.5	235,400	1.2	1988
3,700,000	17.6	3,662,300	17.4	2,550,000	12.1	840,000	4.0	290,400	1.4	1989
3,700,000	17.6	3,662,300	17.4	2,550,000	12.1	840,000	4.0	213,100	1.0	1990
3,700,000	17.5	3,662,300	17.3	2,550,000	12.1	760,000	3.6	378,100	1.8	1991
3,700,000	15.3	3,662,300	15.2	2,550,000	10.6	3,706,200	15.4	388,100	1.6	1992
5,760,000	20.8	4,424,800	14.8	1,787,500	6.5	5,172,550	18.7	389,450	1.4	1993
6,820,000	23.7	5,824,800	19.1	387,500	1.3	5,333,550	18.6	275,450	0.9	1994
7,820,000	24.3	4,674,800	13.5	1,537,500	4.8	6,183,550	19.2	258,950	0.8	1995
7,820,000	21.9	4,664,800	12.2	1,537,500	4.3	8,718,550	24.4	264,450	0.7	1996
10,200,000	24.9	4,340,000	10.8	1,537,500	3.7	11,268,550	27.5	265,450	0.6	1997
11,331,000	26.1	4,340,000	10.0	1,537,500	3.5	10,785,000	24.9	265,450	0.6	1998
13,031,000	27.7	4,340,000	9.2	1,537,500	3.3	10,935,000	23.3	270,950	0.6	1999
14,031,000	29.0	4,490,000	9.3	1,537,500	3.2	11,256,920	23.2	270,950	0.5	2000
15,531,000	30.5	4,490,000	8.8	1,537,500	3.1	11,435,750	22.5	272,950	0.5	2001
15,931,000	29.6	4,280,000	8.0	1,537,500	2.9	12,185,750	22.6	275,150	0.5	2002
15,931,000	28.4	4,280,000	7.6	1,537,500	2.8	13,085,750	23.3	246,450	0.5	2003
17,465,000	29.1	4,308,600	7.2	1,537,500	2.5	14,313,350	23.9	252,280	0.4	2004
17,965,000	29.1	4,308,600	6.9	1,537,500	2.5	15,014,789	24.1	296,690	0.4	2005
18,465,000	28.2	4,388,600	6.7	1,537,500	2.3	16,003,989	24.4	296,690	0.5	2006
20,465,000	30.0	4,488,600	6.6	1,537,500	2.3	16,510,989	24.2	303,170	0.4	2007
23,705,001	32.7	4,488,600	6.2	1,537,500	2.1	17,043,989	23.5	306,815	0.4	2008
24,205,000	32.9	4,478,600	6.1	887,500	1.2	17,574,961	23.9	347,100	0.5	2009
24,205,000	31.8	4,478,600	5.9	887,500	1.2	19,100,161	25.1	351,000	0.4	2010
24,205,000	30.5	4,478,600	5.6	887,500	1.1	19,799,361	25.0	355,450	0.4	2011

Note : 1) Excludes Non-utility in Common use
2) On Apr. 2, 2001, KEPCO's power generation division was divided into 6 generation subsidiary companies and a Power Exchange

3 설비별 발전 전력량

단위 : GWh

	합 계 Total		수 력 Hydro		원자력 Nuclear		집 단 District Energy		대 체 Alternative Energy		화 력 Thermal	
		%		%		%		%		%		%
1981	40,207	100.0	2,709	6.7	2,897	7.2	–	–	–	–	34,601	86.1
1982	43,122	100.0	2,005	4.6	3,777	8.8	–	–	–	–	37,340	86.6
1983	48,850	100.0	2,723	5.6	8,965	18.3	–	–	–	–	37,163	76.1
1984	53,808	100.0	2,399	4.5	11,792	21.9	–	–	–	–	39,617	73.6
1985	58,007	100.0	3,659	6.3	16,745	28.9	–	–	–	–	37,603	64.8
1986	64,695	100.0	4,019	6.2	28,311	43.8	–	–	–	–	32,364	50.0
1987	73,992	100.0	5,344	7.2	39,314	53.1	–	–	–	–	39,333	39.6
1988	85,462	100.0	3,566	4.2	40,101	46.9	–	–	–	–	41,795	48.9
1989	94,472	100.0	4,558	4.8	47,365	50.1	–	–	–	–	42,549	45.0
1990	107,670	100.0	6,361	5.9	52,887	49.1	–	–	–	–	48,422	45.0
1991	118,619	100.0	5,051	4.3	56,311	47.2	–	–	–	–	57,257	48.3
1992	130,963	100.0	4,863	3.7	56,530	43.2	–	–	–	–	69,570	53.1
1993	144,437	100.0	6,006	4.2	58,138	40.3	–	–	–	–	80,293	55.6
1994	164,993	100.0	4,098	2.5	58,651	35.5	–	–	–	–	102,244	62.0
1995	184,661	100.0	5,478	3.0	67,029	36.3	–	–	–	–	112,154	60.7
1996	205,494	100.0	5,201	2.5	73,924	36.0	–	–	–	–	126,369	61.5
1997	224,445	100.0	5,404	2.4	77,086	34.3	–	–	–	–	141,955	63.2
1998	215,300	100.0	6,099	2.8	89,689	41.7	–	–	–	–	119,512	55.5
1999	239,325	100.0	6,066	2.5	103,064	43.1	–	–	–	–	130,195	54.4
2000	266,400	100.0	5,610	2.1	108,964	40.9	–	–	–	–	151,826	57.0
2001	285,224	100.0	4,151	1.5	112,133	39.3	–	–	–	–	168,940	59.2
2002	306,474	100.0	5,311	1.7	119,103	38.9	–	–	–	–	182,060	59.4
2003	322,452	100.0	6,887	2.1	129,672	40.2	–	–	–	–	185,893	57.7
2004	342,148	100.0	5,861	1.7	130,715	38.2	3,553	1.0	350	0.1	201,669	58.9
2005	364,639	100.0	5,189	1.4	146,779	40.3	2,759	0.7	404	0.1	209,508	57.5
2006	381,181	100.0	5,219	1.4	148,749	39.0	2,597	0.7	511	0.1	224,105	58.8
2007	403,125	100.0	5,042	1.3	142,937	35.5	3,084	0.8	829	0.2	251,230	62.3
2008	422,355	100.0	5,563	1.3	150,958	35.7	5,336	1.3	1,090	0.3	259,407	61.4
2009	433,604	100.0	5,641	1.3	147,771	34.1	5,827	1.3	1,791	0.4	272,574	62.9
2010	474,660	100.0	6,472	1.4	148,596	31.3	8,080	1.7	3,984	0.8	307,034	64.7
2011	496,893	100.0	7,831	1.6	154,723	31.1	12,429	2.5	7,592	1.5	313,505	63.1

주 : 1981년 이후 화력합계에 한전구입전력량 포함
자료 : www.kepco.co.kr (한국전력통계)

3 Electricity Generation by Facility

Unit : GWh

화 력 구 분 Thermal										
석탄혼소 Coal Mix		석유화력 Oil Thermal		천연가스 LNG		복합화력 Combined Cycle		내연력 Internal Combustion		
	%		%		%		%		%	
4,260	10.6	30,045	74.7	–	–	258	0.6	38	0.1	1981
4,488	10.4	32,473	75.3	–	–	332	0.8	45	0.1	1982
6,799	13.9	30,098	61.6	–	–	214	4.5	42	0.1	1983
16,159	30.0	23,301	43.3	–	–	99	0.2	41	0.1	1984
20,027	34.5	17,384	30.0	–	–	58	0.1	61	0.1	1985
19,927	30.8	12,180	18.8	–	–	53	0.1	122	0.2	1986
17,221	23.3	2,235	3.0	9,471	12.8	66	0.1	171	0.2	1987
21,644	25.3	8,608	10.1	10,892	12.7	172	0.2	210	0.2	1988
21,147	22.4	10,918	11.6	9,689	10.3	221	0.2	253	0.3	1989
22,445	20.8	12,878	12.0	11,775	10.9	619	0.6	429	0.4	1990
23,221	19.6	19,741	16.6	12,427	10.5	785	0.7	472	0.4	1991
25,466	19.4	22,572	17.2	14,077	10.7	5,464	4.2	574	0.4	1992
34,490	23.9	24,678	17.1	9,738	6.7	9,188	6.4	640	0.4	1993
45,126	27.4	36,812	22.3	1,869	1.1	16,047	9.7	789	0.5	1994
51,565	27.9	28,739	15.6	8,948	4.8	20,521	11.1	825	0.5	1995
59,650	29.0	29,067	14.1	8,229	4.0	26,943	13.1	772	0.4	1996
69,729	31.1	24,408	12.2	7,661	3.4	34,424	15.3	718	0.3	1997
77,662	36.1	9,943	4.6	1,437	0.6	26,505	12.3	575	0.3	1998
83,604	34.9	11,524	4.8	1,345	0.6	28,675	12.0	382	0.2	1999
99,427	37.3	18,888	7.1	1,632	0.6	26,863	10.1	294	0.1	2000
112,257	39.4	21,622	7.6	1,557	0.5	29,033	10.2	325	0.1	2001
119,665	39.0	17,493	5.7	1,771	0.6	38,337	12.5	353	0.1	2002
121,931	37.8	16,664	5.2	1,674	0.5	40,375	12.5	370	0.1	2003
128,547	37.6	16,084	4.7	733	0.2	55,452	16.2	407	0.1	2004
135,161	37.1	15,529	4.2	786	0.3	57,457	15.8	575	0.1	2005
140,725	36.9	14,307	3.8	1,258	0.3	67,138	17.6	677	0.2	2006
156,517	38.8	15,703	3.9	2,027	0.5	76,405	19.0	578	0.1	2007
174,886	41.4	7,981	1.9	1,518	0.4	74,519	17.6	503	0.1	2008
194,659	44.9	11,970	2.8	762	0.2	64,486	14.9	697	0.1	2009
199,131	41.9	10,874	2.3	2,287	0.5	94,012	19.8	730	0.2	2010
199,516	40.2	9,456	1.9	2,233	0.4	101,479	20.4	821	0.2	2011

Note : The total of thermal power includes the purchased power since 1981
Source : www.kepco.co.kr (Statistics of elctric power in Korea)

4 발전소별 설비(계속)

단위 : kW

	1994	1995	1996	1997	1998	1999	2000	2002
합 계	28,749,573	32,183,873	35,715,433	41,041,778	43,405,841	46,977,697	48,450,717	53,800,847
한전자회사 수력	1,495,950	2,095,950	2,095,950	2,115,950	2,115,950	2,135,950	2,135,950	2,836,350
화 천	108,000	108,000	108,000	108,000	108,000	108,000	108,000	108,000
춘 천	57,600	57,600	57,600	57,600	57,600	57,600	57,600	57,600
안 흥(소수력)	450	450	450	450	450	450	450	450
청 평	79,600	79,600	79,600	79,600	79,600	79,600	79,600	79,600
의 암	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000
팔 당	80,000	80,000	80,000	100,000	100,000	120,000	120,000	120,000
섬 진 강	34,800	34,800	34,800	34,800	34,800	34,800	34,800	34,800
보 성 강(소수력)	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500
괴 산(소수력)	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600
추 산(도 서)	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400
산 청(소수력)	–	–	–	–	–	–	–	400
무 주(소수력)	–	–	–	–	–	–	–	–
양 양(소수력)	–	–	–	–	–	–	–	–
강 릉	82,000	82,000	82,000	82,000	82,000	82,000	82,000	82,000
무 주 양 수	–	600,000	600,000	600,000	600,000	600,000	600,000	600,000
청 평 양 수	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000
삼 랑 진 양 수	600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000
산 청 양 수	–	–	–	–	–	–	–	700,000
양 양 양 수	–	–	–	–	–	–	–	–
청 송 양 수	–	–	–	–	–	–	–	–
삼천포해양(소수력)	–	–	–	–	–	–	–	–
섬 진 강(소수력)	–	–	–	–	–	–	–	–
태 안(소수력)	–	–	–	–	–	–	–	–
보 령(소수력)	–	–	–	–	–	–	–	–
영흥해양(소수력)	–	–	–	–	–	–	–	–
당진 화력(소수력)	–	–	–	–	–	–	–	–
행 원(소수력)	–	–	–	–	–	–	–	–

주 : 발전소 설비중 집단에너지와 대체 에너지는 제외
자료 : www.kepco.co.kr (한국전력통계)

4 Trend of Generating Facilities by Plant(Continued)

Unit : kW

2003	2004	2005	2006	2007	2008	2009	2010	2011	
56,052,677	59,961,131	62,258,197	65,514,242	68,268,188	72,490,691	73,469,978	76,078,188	79,341,867	Total
2,836,750	2,836,780	2,838,180	4,438,180	4,440,445	4,450,485	4,457,260	4,462,317	5,329,852	Total of KEPCO Sub. Hydro
108,000	108,000	108,000	108,000	108,000	108,000	108,000	108,000	108,000	Hwacheon
57,600	57,600	57,600	57,600	57,600	59,940	59,940	59,940	62,280	Chuncheon
450	480	480	480	480	480	480	480	480	Anheung(Small Hydro)
79,600	79,600	79,600	79,600	79,600	79,600	79,600	79,600	139,600	Cheongpyong
45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	Ulam
120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000	Paldang
34,800	34,800	34,800	34,800	28,800	28,800	28,800	28,800	28,800	Seomjingang
4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500	Boseonggang(Small Hydro)
2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	Goesan(Small Hydro)
1,400	1,400	1,400	1,400	700	700	700	700	700	Chusan (Island Small Hydro)
400	400	400	400	400	400	400	400	995	Sangchong(Small Hydro)
400	400	400	400	400	400	400	400	400	Muju(Small Hydro)
–	–	1,400	1,400	1,400	1,400	1,400	1,400	1,400	Yangyang(Small Hydro)
82,000	82,000	82,000	82,000	82,000	82,000	82,000	82,000	82,000	Gangneung
600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	Muju(Pumping)
400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	Cheongpyong(Pumping)
600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	Samrangjin(Pumping)
700,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	Sanchong(Pumping)
–	–	–	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	Yangyang(Pumping)
–	–	–	600,000	600,000	600,000	600,000	600,000	600,000	Cheongsong(Pumping)
–	–	–	–	2,965	2,965	4,740	4,740	4,740	Samcheonpo(Small Hydro)
–	–	–	–	6,000	6,000	6,000	6,000	6,000	Seomjingang(Small Hydro)
–	–	–	–	–	2,200	2,200	2,200	2,200	Taean(Small Hydro)
–	–	–	–	–	2,500	7,500	7,500	7,500	Boryeang(Small Hydro)
–	–	–	–	–	3,000	3,000	3,000	7,599	Yeongheung(Small Hydro)
–	–	–	–	–	–	–	4,998	4,998	Dangjin(Small Hydro)
–	–	–	–	–	–	–	60	60	Hangwon(Small Hydro)

Note : District & Alternative energy are excluded from generating facilities by plant.
Source : www.kepco.co.kr (Statistics of electric power in Korea)

4 발전소별 설비(계속)

단위 : kW

	1994	1995	1996	1997	1998	1999	2000	2002
타 사 수 력	996,640	997,440	998,500	998,645	1,015,258	1,011,614	1,012,714	1,039,414
소 양 강 (수자원)	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000
대 청 (〃)	90,000	90,000	90,000	90,000	90,000	90,000	90,000	90,000
충 주 (〃)	412,000	412,000	412,000	412,000	412,000	412,000	412,000	412,000
합 천 (〃)	101,200	101,200	101,200	101,200	101,200	101,200	101,200	101,200
주 암 (〃)	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500
임 하 (〃)	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
안 동 (〃)	90,000	90,000	90,000	90,000	90,000	90,000	90,000	90,000
남 강 (〃)	–	–	–	–	14,000	14,000	14,000	14,000
용 담 (〃)	–	–	–	–	–	–	–	24,400
연 천 (소수력)	6,000	6,000	6,000	6,000	6,000	–	–	–
포 천 (〃)	880	880	880	880	2,970	2,970	2,970	2,970
임 기 (〃)	1,100	1,100	1,100	1,100	1,100	1,100	1,200	1,200
방 우 리 (〃)	2,120	2,120	2,120	2,120	2,120	2,120	2,120	2,120
정 읍 (〃)	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
소 천 (〃)	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400
덕 송 (〃)	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
한 석 (〃)	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100
영 월 (〃)	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800
금 강 (〃)	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350
봉 화 (〃)	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
산 내 (〃)	820	820	820	820	820	820	820	820
광 천 (〃)	450	450	450	450	450	450	450	450
대 아 (〃)	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000
봉 정 (〃)	1,920	1,920	1,920	1,920	1,920	1,920	1,920	1,920
경 천 (〃)	–	800	800	800	800	800	800	800
반 변 (〃)	–	–	1,060	1,060	1,060	1,060	1,060	1,060
보 령 (〃)	–	–	–	145	145	701	701	701
부 안 (〃)	–	–	–	–	193	193	193	193
운 문 (〃)	–	–	–	–	330	330	330	330

4 Trend of Generating Facilities by Plant(Continued)

Unit : kW

2003	2004	2005	2006	2007	2008	2009	2010	2011	
1,040,029	1,042,533	1,044,633	1,046,678	1,051,642	1,054,652	1,057,312	1,062,222	1,088,537	Total of Other co. Hydro
200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	Soyanggang (kwater)
90,000	90,000	90,000	90,000	90,000	90,000	90,000	90,000	90,000	Daecheong (〃)
412,000	412,000	412,000	412,000	412,000	412,000	412,000	412,000	412,000	Chungju (〃)
101,200	101,200	101,200	101,200	100,000	100,000	100,000	100,000	100,000	Hapcheon (〃)
22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	Juam (〃)
50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	Imha (〃)
90,000	90,000	90,000	90,000	90,000	90,000	90,000	90,000	90,000	Andong (〃)
14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	Namgang (〃)
24,400	22,100	22,100	22,100	22,100	22,100	22,100	22,100	22,100	Yongdam (〃)
–	–	–	–	–	–	–	–	–	Yoncheon (Small hydro)
1,485	1,485	1,485	1,485	1,485	1,485	1,485	1,485	1,485	Pocheon (〃)
1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	Imgi (〃)
2,120	2,120	2,120	2,120	2,120	2,120	2,120	2,120	2,120	Banguri (〃)
2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	Jeongeup (〃)
2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	Socheon (〃)
2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	Ducksong (〃)
2,100	2,214	2,214	2,214	2,214	2,214	2,214	2,214	2,214	Hansuk (Small hydro)
2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	–	Youngwol (〃)
1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	Geumgang (〃)
2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	Bonghwa (〃)
820	820	820	820	820	820	820	820	820	Sannae (〃)
450	450	450	450	450	450	450	450	450	Gwangcheon (〃)
3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	Daea (〃)
1,920	1,920	1,920	1,920	1,920	1,920	1,920	1,920	1,920	Bongjeong (〃)
800	800	800	800	800	800	800	800	800	Gyeongcheon (〃)
1,060	1,060	1,060	1,060	1,060	1,060	1,060	1,060	1,060	Banbyeun (〃)
701	701	701	701	701	701	701	701	701	Boryeong (〃)
193	193	193	193	193	193	193	193	193	Buan (〃)
330	330	330	330	330	330	330	330	330	Unmun (〃)

4 발전소별 설비(계속)

단위 : kW

	1994	1995	1996	1997	1998	1999	2000	2002
성주(소수력)	–	–	–	–	–	1,800	1,800	1,800
횡성(〃)	–	–	–	–	–	–	1,000	1,000
영천(〃)	–	–	–	–	–	–	–	1,000
밀양(〃)	–	–	–	–	–	–	–	1,300
안동(〃)	–	–	–	–	–	–	–	–
천상(〃)	–	–	–	–	–	–	–	–
용담(〃)	–	–	–	–	–	–	–	–
성남(〃)	–	–	–	–	–	–	–	–
동화(〃)	–	–	–	–	–	–	–	–
대곡(〃)	–	–	–	–	–	–	–	–
장흥댐(〃)	–	–	–	–	–	–	–	–
장성(〃)	–	–	–	–	–	–	–	–
하동호(〃)	–	–	–	–	–	–	–	–
달방(〃)	–	–	–	–	–	–	–	–
합천(〃)	–	–	–	–	–	–	–	–
주암(〃)	–	–	–	–	–	–	–	–
담양(〃)	–	–	–	–	–	–	–	–
백곡(〃)	–	–	–	–	–	–	–	–
원정수(〃)	–	–	–	–	–	–	–	–
고문(〃)	–	–	–	–	–	–	–	–
홍익동진(〃)	–	–	–	–	–	–	–	–
대청댐(〃)	–	–	–	–	–	–	–	–
율현(〃)	–	–	–	–	–	–	–	–
성남2(〃)	–	–	–	–	–	–	–	–
경천지구(〃)	–	–	–	–	–	–	–	–
한국해양(〃)	–	–	–	–	–	–	–	–
대한보령(〃)	–	–	–	–	–	–	–	–
고산(〃)	–	–	–	–	–	–	–	–
경천#2(〃)	–	–	–	–	–	–	–	–
인제서리보(〃)	–	–	–	–	–	–	–	–
탑정(〃)	–	–	–	–	–	–	–	–
농어촌공사(〃)	–	–	–	–	–	–	–	–
군위(〃)	–	–	–	–	–	–	–	–

4 Trend of Generating Facilities by Plant(Continued)

Unit : kW

2003	2004	2005	2006	2007	2008	2009	2010	2011	
1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	Seongju (Small hydro)
1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	Hoengseong (〃)
1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	Yeongcheon (〃)
1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	Milyang (〃)
1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	Andong (〃)
–	250	250	250	250	250	250	250	250	Chunsang (〃)
–	4,100	4,100	4,100	4,100	4,100	4,100	4,100	4,100	Yongdam (〃)
–	340	340	340	340	340	340	340	340	Sungnam (〃)
–	–	1,000	1,000	1,000	1,000	1,000	1,000	1,000	Donghwa (〃)
–	–	300	300	300	300	300	300	300	Daegok (〃)
–	–	800	800	800	800	800	800	800	Janghengdam (〃)
–	–	–	1,220	1,220	1,220	1,220	1,220	1,220	Jangseong (〃)
–	–	–	825	825	825	825	825	825	Hadongho (〃)
–	–	–	–	170	170	170	170	170	Dalbang (〃)
–	–	–	–	1,200	1,200	1,200	1,200	1,200	Hapcheon (〃)
–	–	–	–	990	990	990	990	990	Juam (〃)
–	–	–	–	1,274	1,274	1,274	1,274	1,274	Damyang (〃)
–	–	–	–	430	430	430	430	430	Baegok (〃)
–	–	–	–	600	600	600	600	600	Wonjeangsu (〃)
–	–	–	–	1,500	1,500	1,500	1,500	1,500	Gomun (〃)
–	–	–	–	–	850	850	850	850	Hongikdongjin (〃)
–	–	–	–	–	800	800	800	800	Daecheongdam (〃)
–	–	–	–	–	560	560	560	560	Yulhyeon (〃)
–	–	–	–	–	360	360	360	360	Seongnam (〃)
–	–	–	–	–	440	440	440	440	Kyeongcheon (〃)
–	–	–	–	–	–	1,000	1,000	1,000	Hankukheayang (〃)
–	–	–	–	–	–	1,100	1,100	1,100	Daehanboryeong (〃)
–	–	–	–	–	–	560	560	560	Gosan (〃)
–	–	–	–	–	–	–	2,100	2,100	Kyeongcheon#2 (〃)
–	–	–	–	–	–	–	1,500	1,500	Seolibo (〃)
–	–	–	–	–	–	–	320	320	Tapjeong (〃)
–	–	–	–	–	–	–	490	490	Rural Community (〃)
–	–	–	–	–	–	–	500	500	Gunwi (〃)

4 발전소별 설비(계속)

단위 : kW

		1994	1995	1996	1997	1998	1999	2000	2002
기 력		13,032,300	14,032,300	14,022,300	16,077,500	17,208,500	18,908,500	20,058,500	21,748,500
영월	#1, 2	100,000	100,000	100,000	100,000	100,000	100,000	100,000	–
영동	#1	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000
	#2	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000
군산	#1, 2	75,000	75,000	75,000	75,000	66,000	66,000	66,000	66,000
서천	#1, 2	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000
동해	#1	–	–	–	–	200,000	200,000	200,000	200,000
	#2	–	–	–	–	–	200,000	200,000	200,000
호남	#1, 2	560,000	560,000	560,000	560,000	500,000	500,000	500,000	500,000
삼천포	#1, 2	1,120,000	1,120,000	1,120,000	1,120,000	1,120,000	1,120,000	1,120,000	1,120,000
	#3, 4	1,120,000	1,120,000	1,120,000	1,120,000	1,120,000	1,120,000	1,120,000	1,120,000
	#5, 6	–	–	–	500,000	1,000,000	1,000,000	1,000,000	1,000,000
영흥	#1, 2	–	–	–	–	–	–	–	–
	#3, 4	–	–	–	–	–	–	–	–
보령	#1, 2	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
	#3~6	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
태안	#1~8	–	1,000,000	1,000,000	2,000,000	2,000,000	2,000,000	2,000,000	3,000,000
하동	#1~3	–	–	–	1,000,000	1,500,000	1,500,000	1,500,000	1,500,000
	#4~7	–	–	–	–	–	500,000	1,000,000	1,500,000
당진	#1~8	–	–	–	–	–	1,000,000	1,500,000	2,000,000
부산	#3, 4	210,000	210,000	210,000	210,000	210,000	210,000	210,000	–
영남	#1, 2	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000
울산	#1~3	600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000
	#4~6	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000
여수	#1	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000
	#2	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000
평택	#1~4	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000
남제주	#3(도서)	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
제주	#1(도서)	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
제주	#2,3(도서)	–	–	–	–	–	–	150,000	150,000
서울	#4	137,500	137,500	137,500	137,500	137,500	137,500	137,500	137,500
	#5	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000
인천	#1, 2	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000
	#3, 4	650,000	650,000	650,000	650,000	650,000	650,000	650,000	650,000

4 Trend of Generating Facilities by Plant(Continued)

Unit : kW

2003	2004	2005	2006	2007	2008	2009	2010	2011		
21,748,500	23,311,100	23,811,100	24,391,100	26,491,100	29,731,100	29,571,100	29,571,100	29,571,100	Total of steam	
–	–	–	–	–	–	–	–	–	Youngwol	#1, 2
125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	Yongdong	#1
200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000		#2
66,000	–	–	–	–	–	–	–	–	Kunsan	#1, 2
400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	Seocheon	#1, 2
200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	Donghae	#1
200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000		#2
500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	Honam	#1, 2
1,120,000	1,120,000	1,120,000	1,120,000	1,120,000	1,120,000	1,120,000	1,120,000	1,120,000	Samchonpo	#1, 2
1,120,000	1,120,000	1,120,000	1,120,000	1,120,000	1,120,000	1,120,000	1,120,000	1,120,000		#3, 4
1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000		#5, 6
–	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	Yongheng	#1, 2
–	–	–	–	–	1,740,000	1,740,000	1,740,000	1,740,000		#3, 4
1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	Boryeong	#1, 2
2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	3,000,000	3,000,000	3,000,000	3,000,000		#3~6
3,000,000	3,000,000	3,000,000	3,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	Taean	#1~8
1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	Hadong	#1~3
1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	2,000,000	2,000,000	2,000,000	2,500,000		#4~7
2,000,000	2,000,000	2,500,000	3,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	Dangjin	#1~8
–	–	–	–	–	–	–	–	–	Busan	#3, 4
400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	Youngnam	#1, 2
600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	Ulsan	#1~3
1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000		#4~6
200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	Yosu	#1
300,000	328,600	328,600	328,600	328,600	328,600	328,600	328,600	328,600		#2
1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	Pyongtaek	#1~4
20,000	20,000	20,000	100,000	200,000	200,000	200,000	200,000	200,000	Namjeju	#3 (Island)
10,000	10,000	10,000	10,000	10,000	10,000	–	–	–	Jeju	#1 (Island)
150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	Jeju	#2,3 (Island)
137,500	137,500	137,500	137,500	137,500	137,500	137,500	137,500	137,500	Seoul	#4
250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000		#5
500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	Incheon	#1, 2
650,000	650,000	650,000	650,000	650,000	650,000	–	–	–		#3, 4

4 발전소별 설비(계속)

단위 : kW

	1994	1995	1996	1997	1998	1999	2000	2002
내 연 력	**275,450**	**258,950**	**264,450**	**265,450**	**265,450**	**270,950**	**270,950**	**275,150**
한 림 D/P	17,000	–	–	–	–	–	–	–
울 릉 도 D/P	5,000	5,000	8,000	8,000	8,000	8,000	8,000	9,500
제 주 D/P	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000
제 주 G/T	165,000	165,000	165,000	165,000	165,000	165,000	165,000	165,000
남 제 주 D/P	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000
제주내연 D/P	–	–	–	–	–	–	–	–
흑 산 도 D/P	2,000	2,000	3,500	3,500	3,500	3,500	3,500	3,500
추 자 도 D/P	1,200	1,700	1,700	1,700	1,700	2,700	2,700	2,700
거 문 도 D/P	1,800	1,800	1,800	2,300	2,300	2,300	2,300	2,500
덕 적 도 D/P	900	900	900	1,400	1,400	1,400	1,400	1,900
위 도 D/P	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,850
조 도 D/P	1,200	1,200	2,200	2,200	2,200	2,200	2,200	2,200
백 령 도 D/P	–	–	–	–	–	4,500	4,500	6,000
대 청 도 D/P	–	–	–	–	–	–	–	–
소 청 도 D/P	–	–	–	–	–	–	–	–
연 평 도 D/P	–	–	–	–	–	–	–	–
자 월 도 D/P	–	–	–	–	–	–	–	–
홍 도 D/P	–	–	–	–	–	–	–	–
비 양 도 D/P	–	–	–	–	–	–	–	–
덕 우 도 D/P	–	–	–	–	–	–	–	–
여 서 도 D/P	–	–	–	–	–	–	–	–
가 파 도 D/P	–	–	–	–	–	–	–	–
신 시 도 D/P	–	–	–	–	–	–	–	–
비 안 도 D/P	–	–	–	–	–	–	–	–
연 도 D/P	–	–	–	–	–	–	–	–
승 봉 도 D/P	–	–	–	–	–	–	–	–
풍 도 D/P	–	–	–	–	–	–	–	–
가 의 도 D/P	–	–	–	–	–	–	–	–
삽 시 도 D/P	–	–	–	–	–	–	–	–
외 연 도 D/P	–	–	–	–	–	–	–	–

4 Trend of Generating Facilities by Plant(Continued)

Unit : kW

2003	2004	2005	2006	2007	2008	2009	2010	2011	
246,450	252,280	296,690	296,690	303,170	306,710	347,100	351,000	355,450	Total of internal combustion
–	–	–	–	–	–	–	–	–	Hallim D/P
9,500	9,500	9,500	9,500	9,500	9,500	9,500	9,500	9,500	Ulleungdo D/P
–	–	–	–	–	–	–	–	–	Jeju D/P
165,000	165,000	165,000	165,000	165,000	165,000	165,000	165,000	165,000	Jeju G/T
40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	Namjeju D/P
–	–	40,000	40,000	40,000	40,000	80,000	80,000	80,000	Jeju D/P
3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	Heuksando D/P
2,700	2,700	2,700	2,700	4,400	4,400	4,400	4,400	4,400	Chujado D/P
2,500	2,500	2,500	2,500	3,500	3,500	3,500	3,500	3,500	Geomundo D/P
1,900	1,900	2,900	2,900	2,900	2,900	2,900	2,900	2,900	Duckjuckdo D/P
3,850	3,850	3,850	3,850	2,850	2,850	2,850	2,850	2,850	Wido D/P
2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	Jodo D/P
9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	Baekryeongdo D/P
1,350	1,350	1,350	1,350	1,850	1,850	1,850	1,850	1,850	Daecheongdo D/P
300	300	300	300	550	550	700	2,650	2,650	Socheongdo D/P
1,350	1,350	3,350	3,350	3,350	3,350	3,350	3,350	3,350	Yeonpyeongdo D/P
450	950	950	950	950	950	950	1,650	1,650	Gawoldo D/P
750	750	750	750	1,250	1,250	1,250	2,350	2,350	Hongdo D/P
240	240	240	240	240	240	240	240	240	Biyando D/P
390	390	390	390	390	390	390	390	390	Deokwoodo D/P
240	240	240	240	240	240	240	240	240	Yeoseodo D/P
450	450	450	450	450	450	450	450	450	Gapado D/P
300	300	300	300	300	300	300	300	–	Sinsido D/P
240	240	240	240	240	240	240	240	240	Biando D/P
240	240	240	240	240	240	240	240	240	Yeondo D/P
–	950	950	950	950	950	950	950	950	Seungbongdo D/P
–	240	240	240	240	240	240	240	240	Pungdo D/P
–	240	240	240	240	240	240	240	240	Gauido D/P
–	450	450	450	900	900	900	900	900	Sabsido D/P
–	300	300	300	600	600	600	750	750	Yoiyeondo D/P

4 발전소별 설비(계속)

단위 : kW

	1994	1995	1996	1997	1998	1999	2000	2002
어 청 도 D/P	–	–	–	–	–	–	–	–
개 야 도 D/P	–	–	–	–	–	–	–	–
장 자 도 D/P	–	–	–	–	–	–	–	–
가 거 도 D/P	–	–	–		–	–	–	–
대 모 도 D/P	–	–	–	–	–	–	–	–
여 자 도 D/P	–	–	–	–	–	–	–	–
추 도 D/P	–	–	–	–	–	–	–	–
어 의 도 D/P	–	–	–	–	–	–	–	–
수 우 도 D/P	–	–	–	–	–	–	–	–
매 물 도 D/P	–	–	–	–	–	–	–	–
장 고 도 D/P	–	–	–	–	–	–	–	–
고 대 도 D/P	–	–	–	–	–	–	–	–
문 갑 도 D/P	–	–	–	–	–	–	–	–
성 남 도 D/P	–	–	–	–	–	–	–	–
독 거 도 D/P	–	–	–	–	–	–	–	–
호 도 D/P	–	–	–	–	–	–	–	–
녹 도 D/P	–	–	–	–	–	–	–	–
낙 월 도 D/P	–	–	–	–	–	–	–	–
송 이 도 D/P	–	–	–	–	–	–	–	–
구 자 도 D/P	–	–	–	–	–	–	–	–
슬 도 D/P	–	–	–	–	–	–	–	–
시 산 도 D/P	–	–	–	–	–	–	–	–
득 량 도 D/P	–	–	–	–	–	–	–	–
어 롱 도 D/P	–	–	–	–	–	–	–	–
복 합 화 력	**5,333,550**	**6,183,550**	**8,718,550**	**11,268,550**	**10,785,000**	**10,935,000**	**11,256,920**	**12,185,750**
평 택 C/C	512,600	512,600	512,600	512,600	480,000	480,000	480,000	480,000
일 산 C/C	631,000	831,000	931,000	931,000	900,000	900,000	900,000	900,000
울 산 C/C	160,000	250,000	850,000	1,150,000	1,200,000	1,200,000	1,200,000	1,200,000
분 당 C/C	598,550	823,550	823,550	938,550	900,000	900,000	900,000	900,000
서 인 천 C/C	1,880,000	1,880,000	1,880,000	1,880,000	1,800,000	1,800,000	1,800,000	1,800,000

4 Trend of Generating Facilities by Plant(Continued)

Unit : kW

2003	2004	2005	2006	2007	2008	2009	2010	2011	
–	450	450	450	900	900	900	900	900	Yeocheongdo D/P
–	750	750	750	1,500	1,500	1,500	1,500	1,500	Gaeyado D/P
–	750	750	750	1,250	1,250	1,250	1,250	–	Jangjado D/P
–	450	450	450	750	750	750	750	750	Gageodo D/P
–	750	750	750	750	750	750	750	750	Deamodo D/P
–	–	450	450	450	450	450	450	450	Yogado D/P
–	–	240	240	240	240	240	240	240	Chudo D/P
–	–	240	240	240	240	240	240	240	Eoeudo D/P
–	–	240	240	240	240	240	240	240	Suwoodo D/P
–	–	240	240	240	240	240	240	240	Maemuldo D/P
–	–	–	–	240	240	240	240	240	Janggodo D/P
–	–	–	–	300	300	300	300	300	Godaedo D/P
–	–	–	–	240	240	240	240	240	Mungabdo D/P
–	–	–	–	–	240	240	240	240	Seongnamdo D/P
–	–	–	–	–	240	240	240	240	Doggeodo D/P
–	–	–	–	–	300	300	300	300	Hodo D/P
–	–	–	–	–	240	240	240	240	Nokdo D/P
–	–	–	–	–	750	750	750	750	Nakwoldo D/P
–	–	–	–	–	240	240	240	240	Songido D/P
–	–	–	–	–	240	240	240	240	Gujado D/P
–	–	–	–	–	240	240	240	240	Seuldo D/P
–	–	–	–	–	750	750	750	750	Sisando D/P
–	–	–	–	–	300	300	300	300	Deukryangdo D/P
–	–	–	–	–	–	240	240	240	Eoryongdo D/P
13,085,750	14,313,350	15,014,789	16,003,989	16,510,989	17,043,989	17,574,961	19,100,161	19,799,361	Total of combined cycle
480,000	480,000	480,000	480,000	480,000	480,000	480,000	480,000	480,000	Pyongtaek C/C
900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	Ilsan C/C
1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	Ulsan C/C
900,000	900,000	900,000	900,000	900,000	900,000	922,064	922,064	922,064	Bundang C/C
1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	Seoincheon C/C

4 발전소별 설비(계속)

단위 : kW

	1994	1995	1996	1997	1998	1999	2000	2002
신 인 천 C/C	–	–	1,200,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000
영 월 C / C	300,000	300,000	300,000	300,000	–	–	–	–
부 산 C / C	–	–	–	–	–	–	–	–
군 산 C / C	300,000	300,000	300,000	300,000	–	–	–	–
한 림 C / C	–	35,000	70,000	105,000	105,000	105,000	105,000	105,000
보 령 C / C	–	–	–	900,000	1,200,000	1,200,000	1,200,000	1,800,000
인 천 C / C	–	–	–	–	–	–	–	–
GS안양 C/C(타사)	478,400	478,400	478,400	478,400	450,000	450,000	450,000	450,000
GS부천 C/C(타사)	473,000	473,000	473,000	473,000	450,000	450,000	450,000	450,000
포스코파워(타사)	–	300,000	900,000	1,500,000	1,500,000	1,650,000	1,650,000	1,800,000
GSEPS부곡#1(타사)	–	–	–	–	–	–	321,920	500,750
GSEPS부곡#2(타사)	–	–	–	–	–	–	–	–
율 촌 C / C	–	–	–	–	–	–	–	–
광 양 복 합(타사)	–	–	–	–	–	–	–	–
현 대 대 산(타사)	–	–	–	–	–	–	–	–
한 전 자 회 사 대 체	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
한 경 풍 력	–	–	–	–	–	–	–	–
삼 천 포 태 양 광	–	–	–	–	–	–	–	–
태 안 태 양 광	–	–	–	–	–	–	–	–
양 양 풍 력	–	–	–	–	–	–	–	–
동해화력태양광	–	–	–	–	–	–	–	–
영 흥 태 양 광	–	–	–	–	–	–	–	–
분 당 연 료 전 지	–	–	–	–	–	–	–	–
영광쏠라파크 #1~2	–	–	–	–	–	–	–	–
삼량진태양광 #1~2	–	–	–	–	–	–	–	–
서 천 태 양 광	–	–	–	–	–	–	–	–
고 리 풍 력	–	–	–	–	–	–	–	–
보 령 태 양 광	–	–	–	–	–	–	–	–
제주화력태양광	–	–	–	–	–	–	–	–
보령화력연료전지	–	–	–	–	–	–	–	–

4 Trend of Generating Facilities by Plant(Continued)

Unit : kW

2003	2004	2005	2006	2007	2008	2009	2010	2011	
1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	Shinincheon C/C
–	–	–	–	–	–	–	848,000	848,000	Youngwol C/C
900,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	Busan C/C
–	–	–	–	–	–	–	718,400	718,400	Kunsan C/C
105,000	105,000	105,000	105,000	105,000	105,000	105,000	105,000	105,000	Hallim C/C
1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,350,000	Boryeong C/C
–	–	503,539	503,539	503,539	503,539	1,012,447	1,012,447	1,012,447	Incheon C/C
450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	Anyang C/C (Other co.)
450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	Bucheon C/C (〃)
1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	2,949,200	POSCO Power (〃)
500,750	500,750	500,750	500,750	500,750	500,750	500,750	500,750	500,750	GS Bugog#1 (〃)
–	–	–	–	–	533,000	533,000	533,000	533,000	GS Bugog#2 (〃)
–	327,600	525,500	525,500	525,500	525,500	525,500	525,500	525,500	Yulchon C/C (〃)
–	–	–	989,200	989,200	989,200	989,200	989,200	989,200	Gwangyang (〃)
–	–	–	–	507,000	507,000	507,000	465,800	465,800	Hyundaedaesan (〃)
–	**6,000**	**6,220**	**11,470**	**29,720**	**36,792**	**51,663**	**73,662**	**91,012**	**Total of KEPCO sub.**
–	6,000	6,000	6,000	21,000	21,000	21,000	21,000	21,000	Hankyung-wind power
–	–	100	100	100	100	100	1,090	1,090	Samcheonpo Solar
–	–	120	120	120	120	120	120	120	Taean Solar
–	–	–	3,000	3,000	3,000	3,000	3,000	3,000	Yangyang-wind power
–	–	–	1,000	1,000	1,000	1,000	1,000	1,000	Donghae thermal Solar
–	–	–	1,000	1,000	1,000	1,000	1,000	1,000	Youngheung Solar
–	–	–	250	250	250	250	250	300	Bundang fuel cell
–	–	–	–	1,250	3,000	3,000	3,000	3,000	Younggwang solar park #1~2
–	–	–	–	2,000	3,000	3,000	3,000	3,000	Samlangjin solar #1~2
–	–	–	–	–	1,200	1,230	1,230	1,230	Seocheon Solar
–	–	–	–	–	750	750	750	750	Kori-wind Power
–	–	–	–	–	525	571	571	571	Boryeong Solar
–	–	–	–	–	50	50	50	50	Jeju Solar
–	–	–	–	–	300	300	300	300	Boryeong fuel cell

4 발전소별 설비(계속)

단위 : kW

	1994	1995	1996	1997	1998	1999	2000	2002
부산복합태양광	–	–	–	–	–	–	–	–
하동화력태양광	–	–	–	–	–	–	–	–
내병도태양광	–	–	–	–	–	–	–	–
늘옥도태양광	–	–	–	–	–	–	–	–
성 산 풍 력	–	–	–	–	–	–	–	–
영월태양광	–	–	–	–	–	–	–	–
행원소수력태양광	–	–	–	–	–	–	–	–
당진태양광	–	–	–	–	–	–	–	–
일산연료전지	–	–	–	–	–	–	–	–
당사도태양광	–	–	–	–	–	–	–	–
황제도태양광	–	–	–	–	–	–	–	–
육도태양광	–	–	–	–	–	–	–	–
고사도태양광	–	–	–	–	–	–	–	–
율도태양광	–	–	–	–	–	–	–	–
평사도태양광	–	–	–	–	–	–	–	–
예천양수태양광	–	–	–	–	–	–	–	–
영 흥 풍 력	–	–	–	–	–	–	–	–
원 자 력	**7,615,683**	**8,615,683**	**9,615,683**	**10,315,683**	**12,015,683**	**13,715,683**	**13,715,683**	**15,715,683**
고 리 #1	587,000	587,000	587,000	587,000	587,000	587,000	587,000	587,000
#2	650,000	650,000	650,000	650,000	650,000	650,000	650,000	650,000
#3	950,000	950,000	950,000	950,000	950,000	950,000	950,000	950,000
#4	950,000	950,000	950,000	950,000	950,000	950,000	950,000	950,000
월 성 #1	678,683	678,683	678,683	678,683	678,683	678,683	678,683	678,683
#2	–	–	–	700,000	700,000	700,000	700,000	700,000
#3	–	–	–	–	700,000	700,000	700,000	700,000
#4	–	–	–	–	–	700,000	700,000	700,000
영 광 #1~2	1,900,000	1,900,000	1,900,000	1,900,000	1,900,000	1,900,000	1,900,000	1,900,000
#3	–	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
#4	–	–	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
#5~6	–	–	–	–	–	–	–	2,000,000

4 Trend of Generating Facilities by Plant(Continued)

Unit : kW

2003	2004	2005	2006	2007	2008	2009	2010	2011	
–	–	–	–	–	392	392	392	392	Busan c/c Solar
–	–	–	–	–	1,000	1,000	3,500	3,500	Hadong Solar
–	–	–	–	–	60	60	60	60	Naebyeang Solar
–	–	–	–	–	45	45	45	45	Nulokdo Solar
–	–	–	–	–	–	12,000	20,000	20,000	Seongsan Wind
–	–	–	–	–	–	55	55	55	Yeongwol Solar
–	–	–	–	–	–	–	6	6	Haengwon Solar
–	–	–	–	–	–	–	1,003	1,003	Dangjin Solar
–	–	–	–	–	–	2,400	2,400	5,200	Lisan fuel cell
–	–	–	–	–	–	60	60	60	Dangsado Solar
–	–	–	–	–	–	60	60	60	Hwangjedo Solar
–	–	–	–	–	–	95	95	95	Yukdo Solar
–	–	–	–	–	–	45	45	45	Gosado Solar
–	–	–	–	–	–	35	35	35	Yuldo Solar
–	–	–	–	–	–	45	45	45	Pyeongsado Solar
–	–	–	–	–	–	–	2,000	2,000	Yeoicheon Solar
–	–	–	–	–	–	–	7,500	22,000	Yeongheung Wind
15,715,683	16,715,683	17,715,683	17,715,683	17,715,683	17,715,683	17,715,683	17,715,683	18,715,683	Total of nuclear
587,000	587,000	587,000	587,000	587,000	587,000	587,000	587,000	587,000	Kori #1
650,000	650,000	650,000	650,000	650,000	650,000	650,000	650,000	650,000	#2
950,000	950,000	950,000	950,000	950,000	950,000	950,000	950,000	950,000	#3
950,000	950,000	950,000	950,000	950,000	950,000	950,000	950,000	950,000	#4
678,683	678,683	678,683	678,683	678,683	678,683	678,683	678,683	678,683	Wolsong #1
700,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	#2
700,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	#3
700,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	#4
1,900,000	1,900,000	1,900,000	1,900,000	1,900,000	1,900,000	1,900,000	1,900,000	1,900,000	Yonggwang #1~2
1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	#3
1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	#4
2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	#5~6

4 발전소별 설비(계속)

단위 : kW

	1994	1995	1996	1997	1998	1999	2000	2002
울 진 #1	950,000	950,000	950,000	950,000	950,000	950,000	950,000	950,000
#2	950,000	950,000	950,000	950,000	950,000	950,000	950,000	950,000
#3	–	–	–	–	1,000,000	1,000,000	1,000,000	1,000,000
#4	–	–	–	–	–	1,000,000	1,000,000	1,000,000
#5	–	–	–	–	–	–	–	–
#6	–	–	–	–	–	–	–	–
집단 및 대체 에너지	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**

4 Trend of Generating Facilities by Plant(Continued)

Unit : kW

2003	2004	2005	2006	2007	2008	2009	2010	2011	
950,000	950,000	950,000	950,000	950,000	950,000	950,000	950,000	950,000	Ulchin #1
950,000	950,000	950,000	950,000	950,000	950,000	950,000	950,000	950,000	#2
1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	#3
1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	#4
–	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	#5
–	–	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	#6
1,379,515	1,483,405	1,530,902	1,610,452	1,725,439	2,151,280	2,694,899	3,742,042	4,384,310	District & Alternative energy(other co.)

5 에너지원별 발전 전력량

단위 : GWh

	합 계 Total		수 력 Hydro		원 자 력 Nuclear		집 단 District Energy		대 체 Alternative Energy		소 계 Sub-Total	
		%		%		%		%		%		%
1981	40,207	100.0	2,709	6.7	2,897	7.2	–	–	–	–	34,601	86.1
1982	43,122	100.0	2,005	4.6	3,777	8.8	–	–	–	–	37,340	86.6
1983	48,850	100.0	2,723	5.6	8,965	18.3	–	–	–	–	37,162	76.1
1984	53,808	100.0	2,399	4.5	11,792	21.9	–	–	–	–	39,617	73.6
1985	58,007	100.0	3,659	6.3	16,745	28.9	–	–	–	–	37,603	64.8
1986	64,695	100.0	4,019	6.2	28,311	43.8	–	–	–	–	32,364	50.0
1987	73,992	100.0	5,344	7.2	39,314	53.1	–	–	–	–	29,333	39.6
1988	85,462	100.0	3,566	4.2	40,101	46.9	–	–	–	–	41,795	48.9
1989	94,472	100.0	4,558	4.8	47,365	50.1	–	–	–	–	42,549	45.0
1990	107,670	100.0	6,361	5.9	52,887	49.1	–	–	–	–	48,422	45.0
1991	118,619	100.0	5,051	4.2	56,311	47.5	–	–	–	–	57,257	48.3
1992	130,963	100.0	4,863	3.7	56,530	43.2	–	–	–	–	69,570	53.1
1993	144,437	100.0	6,006	4.2	58,138	40.2	–	–	–	–	80,293	55.6
1994	164,993	100.0	4,098	2.5	58,651	35.5	–	–	–	–	102,244	62.0
1995	184,661	100.0	5,478	3.0	67,029	36.3	–	–	–	–	112,154	60.7
1996	205,494	100.0	5,201	2.5	73,924	36.0	–	–	–	–	126,368	61.5
1997	224,445	100.0	5,404	2.4	77,086	34.3	–	–	–	–	141,955	63.2
1998	215,300	100.0	6,099	2.8	89,689	41.7	–	–	–	–	119,512	55.5
1999	239,325	100.0	6,066	2.5	103,064	43.1	–	–	–	–	130,195	54.4
2000	266,400	100.0	5,610	2.1	108,964	40.9	–	–	–	–	151,826	57.0
2001	285,224	100.0	4,151	1.5	112,133	39.3	–	–	–	–	168,940	59.2
2002	306,474	100.0	5,311	1.7	119,103	38.9	–	–	–	–	182,060	59.4
2003	322,452	100.0	6,887	2.1	129,672	40.2	–	–	–	–	185,893	57.6
2004	342,148	100.0	5,861	1.7	130,715	38.2	3,553	1.0	350	0.1	201,669	58.9
2005	364,639	100.0	5,189	1.4	146,779	40.3	2,759	0.7	404	0.1	209,508	57.5
2006	381,181	100.0	5,219	1.4	148,749	39.0	2,597	0.7	511	0.1	224,105	58.8
2007	403,125	100.0	5,042	1.3	142,937	35.5	3,085	0.7	829	0.2	251,232	62.3
2008	422,355	100.0	5,561	1.3	150,958	35.7	5,336	1.3	1,090	0.3	259,410	61.4
2009	433,604	100.0	5,641	1.3	147,771	34.1	5,827	1.3	1,791	0.4	272,574	62.9
2010	474,660	100.0	6,472	1.4	148,596	31.3	8,080	1.7	3,984	0.9	307,034	64.7
2011	496,893	100.0	7,831	1.6	154,723	31.1	12,429	2.5	7,592	1.5	314,318	63.3

주 : 대체는 (소)수력 발전량 불포함
자료 : www.kepco.co.kr (전력통계속보)

5 Electricity Generation by Energy Source

Unit : GWh

화 력 Thermal								
석 탄 Coal		중 유 Heavy Oil		경 유 Diesel		LNG		
	%		%		%		%	
2,530	6.3	31,772	79.0	299	0.8	–	–	1981
2,612	6.1	34,358	79.7	370	0.8	–	–	1982
4,289	8.8	32,497	66.5	376	0.8	–	–	1983
13,383	24.9	25,748	47.8	486	0.9	–	–	1984
17,639	30.4	19,646	33.9	318	0.6	–	–	1985
18,220	28.2	13,604	21.0	291	0.4	250	0.4	1986
15,856	21.5	4,822	6.5	265	0.4	8,391	11.3	1987
19,840	23.2	11,222	13.1	301	0.4	10,432	12.2	1988
18,777	19.9	14,241	15.1	399	0.4	9,132	9.7	1989
19,961	18.5	17,928	16.7	928	0.9	9,604	8.9	1990
20,140	17.0	26,158	22.1	1,024	0.9	9,935	8.4	1991
22,072	16.8	33,001	25.2	2,310	1.8	12,187	9.3	1992
30,917	21.4	33,718	23.4	1,170	0.8	14,488	10.0	1993
41,835	25.4	38,781	23.5	1,582	1.0	20,046	12.1	1994
48,813	26.4	38,739	21.0	3,306	1.8	21,296	11.5	1995
56,881	27.6	35,699	17.4	6,737	3.3	27,050	13.2	1996
67,190	29.9	36,620	16.3	6,323	0.9	31,823	14.2	1997
75,498	35.1	16,430	7.6	1,282	0.6	26,302	12.2	1998
81,544	34.0	17,365	7.3	1,162	0.5	30,124	12.6	1999
97,538	36.6	25,485	9.6	657	0.2	28,146	10.6	2000
110,333	38.7	27,770	9.7	386	0.1	30,451	10.7	2001
118,022	38.5	23,940	7.8	1,155	0.4	38,943	12.7	2002
120,276	37.3	23,656	7.3	2,870	0.9	39,090	12.1	2003
127,158	37.1	18,042	5.3	470	0.1	55,999	16.4	2004
133,659	36.7	17,318	4.8	413	0.1	58,118	15.9	2005
139,205	36.5	15,999	4.2	599	0.2	68,302	17.9	2006
154,674	38.4	17,689	4.4	443	0.1	78,427	19.4	2007
173,508	41.1	9,700	2.3	393	0.1	75,809	17.9	2008
193,217	44.6	13,670	3.1	413	0.1	65,274	15.1	2009
197,916	41.6	12,405	2.6	473	0.1	96,734	20.4	2010
200,124	40.3	12,040	2.4	452	0.1	101,702	20.5	2011

Note : Alternative energy is not including power generation of (small) hydro
Source : www.kepco.co.kr (The Monthly Report on Major Electric Power Statistics)

6 발전 연료 소비량

	합 계 Total		석 탄					
			소 계 Sub-Total			무 연 탄 Anthracite		
	1,000 TOE	점유율(%) Ratio	소비량(M/T) Consumption	1,000 TOE	점유율(%) Ratio	소비량(M/T) Consumption	1,000 TOE	점유율(%) Ratio
1981	9,579	100.0	1,721,997	703	7.3	1,721,997	703	7.3
1982	10,189	100.0	1,856,603	720	7.1	1,856,603	720	7.1
1983	11,568	100.0	2,622,818	1,114	9.6	2,077,163	776	9.6
1984	12,735	100.0	6,196,200	3,162	24.8	2,480,996	876	6.9
1985	13,828	100.0	7,921,198	4,151	30.0	2,274,029	774	5.6
1986	15,627	100.0	7,941,931	4,271	27.3	1,896,261	649	4.1
1987	18,096	100.0	7,205,920	3,739	20.7	2,173,164	727	4.0
1988	20,701	100.0	8,969,282	4,654	22.5	2,597,736	885	4.3
1989	22,897	100.0	8,280,161	4,372	19.1	2,367,043	819	3.6
1990	26,055	100.0	8,529,283	4,603	17.7	2,013,268	704	2.7
1991	28,582	100.0	8,538,869	4,638	16.2	1,977,676	690	2.4
1992	31,362	100.0	9,217,102	5,106	16.3	2,008,494	790	2.5
1993	34,253	100.0	12,543,851	7,098	20.7	2,283,630	944	2.7
1994	38,525	100.0	16,147,950	9,468	24.6	2,179,638	952	2.5
1995	43,272	100.0	18,631,970	11,021	25.5	2,429,275	1,102	2.6
1996	47,971	100.0	21,461,439	12,745	26.6	2,513,738	1,155	2.4
1997	52,221	100.0	25,011,742	14,979	28.7	2,304,699	1,066	2.0
1998	49,486	100.0	28,206,782	16,749	33.8	2,527,301	1,174	2.3
1999	54,863	100.0	30,812,524	18,089	33.0	2,596,945	1,202	2.2
2000	60,993	100.0	36,216,533	21,504	35.2	2,848,015	1,293	2.1
2001	65,147	100.0	40,794,652	24,310	37.3	2,875,286	1,312	2.0
2002	69,606	100.0	43,061,763	25,960	37.3	2,750,542	1,261	1.8
2003	73,411	100.0	44,457,391	26,560	36.2	2,879,676	1,331	1.8
2004	76,974	100.0	47,926,692	27,971	36.3	2,411,721	1,131	1.5
2005	82,513	100.0	50,296,834	29,394	35.6	2,359,492	1,092	1.3
2006	85,104	100.0	52,603,606	30,561	35.9	2,345,136	1,069	1.2
2007	83,860	100.0	58,342,192	33,935	40.5	2,392,411	1,087	1.3
2008	87,480	100.0	65,772,104	37,991	43.4	2,534,021	1,205	1.4
2009	89,528	100.0	73,719,646	42,155	47.1	2,690,328	1,235	1.4
2010	96,512	100.0	78,807,044	43,513	45.1	2,404,050	1,071	1.1
2011	99,268	100.0	81,512,968	44,168	44.5	1,658,801	783	0.8

주 : 원자력, 수력은 발전량 기준임
자료 : www.kepco.co.kr (한국전력통계)

6 Fuel Consumption for Generation

Coal			석 유 Petroleum						
유 연 탄 Bituminous Coal			소 계 Sub-Total			중 유 Heavy Oil			
소비량(M/T) Consumption	1,000 TOE	점유율(%) Ratio	소비량(㎘) Consumption	1,000 TOE	점유율(%) Ratio	방카C유(㎘) Bunker-C	1,000 TOE	점유율(%) Ratio	
–	–	–	7,596,508	7,475	78.0	7,092,164	6,994	73.0	1981
–	–	–	8,140,409	8,042	78.8	7,425,802	7,327	71.9	1982
545,655	338	2.9	7,632,873	7,531	65.1	6,926,560	6,841	59.2	1983
3,715,204	2,286	18.0	6,114,016	6,025	47.3	5,460,617	5,391	42.3	1984
5,647,169	3,376	24.0	4,639,173	4,576	33.1	4,349,166	4,296	31.1	1985
6,045,670	3,621	23.2	3,267,275	3,216	20.6	2,869,139	2,828	18.1	1986
5,032,756	3,012	16.6	1,247,497	1,220	6.7.	7 929,195	913	5.0	1987
6,371,546	3,769	18.2	2,736,533	2,687	13.0	2,124,308	2,091	10.1	1988
5,913,118	3,553	15.5	3,458,676	3,398	14.8	2,846,370	2,804	12.2	1989
6,516,015	3,899	15.0	4,482,279	4,398	16.9	3,643,426	3,592	13.8	1990
6,561,193	3,948	13.8	6,386,732	6,280	22.0	4,895,177	4,831	16.9	1991
7,208,608	4,316	13.8	8,166,462	8,004	25.5	5,517,119	5,442	17.4	1992
10,260,221	6,154	18.0	7,961,710	7,828	22.9	5,611,726	5,534	16.2	1993
13,968,312	8,516	22.1	9,184,676	9,016	23.4	6,509,197	6,415	16.7	1994
16,202,695	9,919	22.9	9,686,754	9,465	21.9	6,467,208	6,369	14.7	1995
18,947,701	11,590	24.2	9,807,908	9,416	19.6	6,095,098	5,913	12.3	1996
22,707,042	13,913	26.7	9,880,476	9,604	18.4	5,513,752	5,422	10.3	1997
25,679,481	15,575	31.5	3,404,219	3,320	6.7	2,276,328	2,235	4.5	1998
28,215,579	16,887	30.8	3,348,422	3,268	6.0	2,730,231	2,685	4.9	1999
33,368,518	20,211	33.1	5,086,067	4,993	8.2	4,297,082	4,231	6.9	2000
37,919,366	22,998	35.3	5,604,382	5,539	8.5	4,926,551	4,877	7.5	2001
40,311,221	24,699	35.5	4,804,957	4,751	6.8	4,455,276	4,429	6.4	2002
41,577,715	25,229	34.4	5,054,789	4,912	6.7	4,267,870	4,189	5.7	2003
45,514,971	26,840	34.8	4,339,836	4,162	5.4	3,681,635	3,538	4.6	2004
47,937,342	28,302	34.3	4,167,583	4,005	4.8	3,578,026	3,445	4.2	2005
50,258,470	29,492	34.7	3,789,478	3,735	4.4	3,547,138	3,511	4.1	2006
55,949,781	32,848	39.2	4,018,927	3,995	4.8	3,899,079	3,888	4.6	2007
63,238,083	36,786	42.1	2,141,528	2,122	2.4	2,034,572	2,027	2.3	2008
71,029,318	40,920	45.7	3,055,850	3,024	3.4	2,943,672	2,926	3.3	2009
76,402,994	42,442	44.0	2,824,346	2,804	2.9	2,693,701	2,687	2.8	2010
79,854,167	43,385	43.7	2,174,197	2,158	2.2	2,050,365	2,050	2.1	2011

Note : Nuclear and Hydro are based on generation
Source : www.kepco.co.kr (Statistics of elctric power in Korea)

6 발전 연료 소비량(계속)

	석 유 Petroleum							
	중 유 Heavy Oil			경 유 Diesel			납 Naphtha	
	기타중유 Other	1,000 TOE	점유율 Ratio	소비량 Consumption	1,000 TOE	점유율 Ratio	소비량 Consumption	1,000 TOE
	kℓ	1,000 toe	%	kℓ	1,000 toe	%	kℓ	1,000 toe
1981	416,985	411	4.3	77,358	70	0.7	–	–
1982	617,647	609	6.0	97,439	88	0.9	3,221[1)]	3
1983	599,530	592	5.1	106,783	97	0.8	2,098[1)]	2
1984	518,905	512	4.0	134,494	121	1.0	–	–
1985	202,827	200	1.4	87,180	80	0.6	–	–
1986	320,265	316	2.0	77,870	72	0.5	1,306[2)]	1
1987	243,076	239	1.3	75,226	68	0.4	–	–
1988	525,150	517	2.5	87,075	79	0.4	–	–
1989	499,474	492	2.1	112,832	102	0.4	–	–
1990	582,788	575	2.2	256,065	231	0.9	–	–
1991	1,216,759	1,201	4.2	274,796	248	0.9	–	–
1992	2,026,861	1,999	6.4	622,482	563	1.8	–	–
1993	2,023,813	1,996	5.8	326,171	298	0.9	–	–
1994	2,237,542	2,205	5.7	437,937	396	1.0	–	–
1995	2,286,132	2,251	5.2	933,414	845	2.0	–	–
1996	2,100,710	2,038	4.2	1,612,100	1465	3.1	–	–
1997	2,795,692	2,749	5.2	1,571,032	1433	2.9	–	–
1998	822,384	807	1.6	305,507	278	0.6	–	–
1999	292,767	288	0.5	325,424	295	0.6	–	–
2000	597,913	589	1.0	191,073	173	0.3	–	–
2001	570,701	565	0.9	107,130	97	0.1	–	–
2002	72,649	72	0.1	277,032	250	0.3	–	–
2003	148,614	146	0.2	638,305	577	0.8	–	–
2004	518,815	499	0.6	139,386	125	0.2	–	–
2005	472,999	455	0.5	116,558	105	0.1	–	–
2006	86,265	85	0.1	156,075	139	0.2	–	–
2007	–	–	–	119,848	107	0.1	–	–
2008	28	0	0.0	106,928	94	0.1	–	–
2009	–	–	–	112,178	98	0.1	–	–
2010	16958	17	0.0	113,687	100	0.1	–	–
2011	–	–	–	123,832	109	0.1	–	–

주 : 1) 코크스 소비실적
2) C.O.M 소비실적

6 Fuel Consumption for Generation(Continued)

사	L N G			원 자 력 Nuclear		수 력 Hydro		
점유율 Ratio	소비량 Consumption	1,000 TOE	점유율 Ratio	1,000 TOE	점유율 Ratio	1,000 TOE	점유율 Ratio	
%	ton	1,000 toe	%	1,000 toe	%	1,000 toe	%	
–	–	–	–	724	7.6	677	7.1	1981
–	–	–	–	944	9.3	501	4.9	1982
–	–	–	–	2,241	19.4	681	5.9	1983
–	–	–	–	2,948	23.2	600	4.7	1984
–	–	–	–	4,186	30.3	915	6.6	1985
–	44,649	58	0.4	7,078	45.3	1,005	6.4	1986
–	1,525,409	1,972	10.9	9,829	54.3	1,336	7.4	1987
–	1,888,394	2,445	11.8	10,025	48.4	892	4.3	1988
–	1,648,197	2,146	9.4	11,841	51.7	1,139	5.0	1989
–	1,718,700	2,242	8.6	13,222	50.7	1,590	6.1	1990
–	1,779,890	2,323	8.1	14,078	49.3	1,263	4.4	1991
–	2,224,518	2,903	9.3	14,133	45.1	1,216	3.9	1992
–	2,517,921	3,290	9.6	14,535	42.4	1,502	4.4	1993
–	3,329,257	4,354	11.3	14,663	38.1	1,024	2.6	1994
–	3,562,048	4,659	10.8	16,757	38.7	1,370	3.2	1995
–	4,622,368	6,029	12.6	18,481	38.5	1,300	2.7	1996
–	5,376,576	7,015	13.4	19,272	36.9	1,351	2.6	1997
–	4,189,314	5,470	11.1	22,422	45.3	1,525	3.1	1998
–	4,766,708	6,223	11.3	25,766	47.0	1,517	2.7	1999
–	4,491,013	5,852	9.6	27,241	44.7	1,403	2.3	2000
–	4,780,221	6,227	9.6	28,033	43.0	1,038	1.6	2001
–	5,983,120	7,792	11.2	29,776	42.8	1,327	1.9	2002
–	5,995,742	7,802	10.6	32,415	44.2	1,722	2.3	2003
–	8,220,852	10,697	13.9	32,679	42.5	1,465	1.9	2004
–	8,537,926	11,122	13.5	36,695	44.5	1,297	1.6	2005
–	9,466,086	12,316	14.5	37,187	43.7	1,305	1.5	2006
–	10,828,751	14,114	16.8	30,732	36.6	1,084	1.3	2007
–	10,515,372	13,715	15.7	32,456	37.1	1,196	1.4	2008
–	8,596,732	11,365	12.7	31,771	35.5	1,213	1.4	2009
–	12,914,479	16,856	17.5	31,948	33.1	1,391	1.4	2010
–	13,609,052	17,993	18.1	33,265	33.5	1,684	1.7	2011

Note : 1) Cokes Consumption,
2) C.O.M(coal and oil mixture) Consumption

7 화력 발전소 열효율

단위 : %

	합 계 Total		한 전 Total of KEPCO		기 력				
					소 계 Sub-Total		무연탄 Anthracite		유
	발 전 단 Gross	송 전 단 Net	발 전 단 Gross	송 전 단 Net	발 전 단 Gross	송 전 단 Net	발 전 단 Gross	송 전 단 Net	발 전 단 Gross
1981	36.39	34.41	36.39	34.44	36.40	34.35	31.00	–	–
1982	36.73	34.85	36.73	34.88	36.74	34.89	31.22	–	–
1983	36.96	34.94	36.98	34.99	37.01	35.02	32.07	–	36.83
1984	37.07	35.00	37.08	35.02	37.11	35.05	32.38	–	38.08
1985	36.98	34.85	37.00	34.87	37.02	34.90	32.00	–	37.63
1986	36.80	34.66	36.80	34.67	36.82	34.69	31.72	–	37.67
1987	36.26	34.11	36.26	34.12	36.28	34.14	31.83	–	37.69
1988	36.68	34.62	36.67	34.63	36.70	34.65	31.63	–	37.93
1989	36.80	34.73	36.81	34.75	36.84	34.76	31.61	–	38.17
1990	36.99	34.95	37.02	34.98	37.07	35.01	32.19	–	38.22
1991	36.93	34.92	36.95	34.95	36.97	34.94	32.05	–	38.26
1992	36.73	34.86	36.74	34.86	36.93	34.94	31.92	–	38.15
1993	37.34	35.47	37.35	35.48	37.11	35.11	31.98	–	38.19
1994	38.16	36.42	38.20	36.46	37.52	35.63	32.02	–	38.61
1995	38.14	36.47	38.22	36.54	37.61	35.74	32.05	29.48	38.69
1996	38.21	36.60	38.37	36.77	37.79	35.97	32.77	30.20	38.94
1997	38.38	36.82	38.73	37.11	38.05	36.23	33.18	30.50	38.99
1998	39.45	37.81	39.48	37.81	38.41	36.57	33.47	30.58	39.17
1999	39.51	37.73	39.52	37.76	38.40	36.61	33.99	30.33	39.06
2000	39.45	37.64	39.45	37.63	38.59	36.60	34.48	30.91	39.25
2001	39.57	37.80	39.52	37.72	38.67	36.73	33.93	30.37	39.30
2002	39.96	38.26	39.87	38.12	38.78	36.86	34.66	31.11	39.30
2003	39.94	38.23	39.86	38.12	38.67	36.76	34.51	30.93	39.16
2004	40.66	38.96	40.62	38.88	38.82	36.83	34.74	30.80	39.25
2005	40.70	38.98	40.62	38.86	38.87	36.88	34.94	30.89	39.26
2006	40.97	39.30	40.83	39.11	38.90	36.96	34.59	31.41	39.31
2007	40.90	39.21	40.79	39.06	38.93	36.99	34.86	31.64	39.36
2008	40.84	39.14	40.67	38.93	39.10	37.14	35.26	32.19	39.45
2009	40.55	38.79	40.46	38.67	39.24	37.29	37.24	34.07	39.46
2010	40.83	39.14	40.67	38.94	38.91	36.95	34.71	31.75	39.33
2011	40.44	38.75	40.51	38.76	38.62	36.63	35.58	32.54	38.96

주 : 1987년부터 지역난방 열병합 포함 실적임.
자료 : www.kepco.co.kr (한국전력통계)

7 Trend of Thermal Plant Efficiency

Unit : %

Thermal									타 사		
연 탄 Bituminous Coal	중 유 Heavy Oil		가 스 L N G		복합화력 Combined Cycle		내연력 Internal-Combustion		Other Co.		
송 전 단 Net	발 전 단 Gross	송 전 단 Net	발 전 단 Gross	송 전 단 Net	발 전 단 Gross	송 전 단 Net	발 전 단 Gross	송 전 단 Net	발 전 단 Gross	송 전 단 Net	
–	37.38	35.49	–	–	36.69	34.71	31.27	28.24	36.34	33.86	1981
–	37.72	35.95	–	–	36.49	34.76	33.18	30.44	36.54	34.27	1982
–	38.08	36.26	–	–	33.14	31.30	33.12	31.21	36.38	33.96	1983
–	38.07	36.33	–	–	30.50	27.44	33.41	31.03	35.64	32.96	1984
–	38.21	36.47	–	–	28.84	24.05	34.66	33.00	35.44	31.87	1985
–	37.73	35.97	–	–	29.78	24.22	36.55	35.25	35.74	33.06	1986
–	35.72	33.41	36.64	35.20	27.91	24.05	37.76	36.43	36.10	33.36	1987
–	38.04	35.90	36.71	35.23	32.06	29.86	36.41	35.25	36.69	34.38	1988
–	38.25	36.09	36.65	35.13	33.80	31.72	35.86	34.87	36.49	34.32	1989
–	37.90	35.66	37.01	35.55	36.03	34.82	33.30	32.45	36.29	34.13	1990
–	37.43	35.27	36.88	35.45	36.50	35.34	36.38	35.41	36.16	34.08	1991
–	37.36	35.23	37.16	35.78	34.61	33.75	38.53	37.49	36.63	34.84	1992
–	37.26	35.19	37.54	36.30	39.30	38.29	36.87	35.96	36.62	34.74	1993
–	37.62	35.75	35.45	34.13	42.35	41.38	32.00	31.34	36.61	34.81	1994
36.91	37.66	35.75	36.94	35.35	41.46	40.60	29.97	29.38	35.29	33.77	1995
37.21	37.45	35.62	36.79	35.16	39.89	39.13	32.30	31.59	33.26	32.06	1996
37.25	37.73	35.90	36.12	34.43	41.39	40.50	33.67	32.87	31.73	31.14	1997
37.44	37.22	35.27	36.30	34.73	43.97	43.04	36.30	35.27	38.48	37.59	1998
37.34	37.35	35.32	36.07	34.48	44.09	43.19	34.60	33.57	38.69	37.53	1999
37.43	37.45	35.30	35.68	34.01	44.15	43.22	37.20	35.79	39.32	37.53	2000
37.51	37.71	35.64	35.42	33.68	45.07	44.15	39.87	38.33	41.01	40.14	2001
37.52	37.59	35.42	36.10	34.50	45.56	44.68	40.09	38.64	42.10	41.33	2002
37.40	37.58	35.36	36.37	34.67	45.71	44.80	39.74	38.19	41.75	40.96	2003
37.46	37.40	34.80	36.09	34.28	47.19	46.33	39.11	37.57	41.75	40.97	2004
37.41	37.55	35.22	36.45	34.56	47.13	46.26	40.03	38.19	42.44	41.55	2005
37.44	37.44	35.39	35.47	33.76	47.52	46.36	40.02	37.86	44.21	43.33	2006
37.49	37.25	35.16	35.55	33.91	46.45	45.47	40.67	38.31	43.01	42.11	2007
37.54	36.68	34.50	35.40	33.97	46.10	45.24	40.39	38.09	43.75	42.92	2008
37.56	37.60	35.77	35.27	33.99	46.74	45.63	41.08	38.78	42.49	41.67	2009
37.41	36.40	34.34	35.10	33.71	46.45	45.55	40.58	30.35	43.64	42.73	2010
37.04	35.83	33.59	34.92	33.55	47.30	46.40	41.14	39.01	39.43	38.68	2011

Note : Including decreased power due to collective supply works of heating from 1987.
Source : www.kepco.co.kr (Statistics of elctric power in Korea)

8 송배전 손실(계속)

	송전단전력량(A) Net Generation	송변전손실 Transmission & Substation Losses		배전 Distribution
		손실량(B) Losses	손실율(B/A) Loss rate	손실량(C) Losses
	MWh	MWh	%	MWh
1981	37,950,201	1,497,037	3.95	1,028,709
1982	40,554,656	1,618,593	3.99	1,056,437
1983	45,494,797	1,654,124	3.64	1,220,288
1984	50,237,757	1,876,982	3.73	1,309,638
1985	53,908,278	1,774,207	3.29	1,401,975
1986	59,818,134	1,971,711	3.30	1,536,899
1987	68,274,720	2,454,190	3.59	1,651,446
1988	78,855,492	2,688,533	3.41	1,849,233
1989	87,512,175	2,992,296	3.42	2,328,018
1990	100,002,741	3,241,555	3.24	2,377,894
1991	110,571,199	3,493,017	3.16	2,704,159
1992	122,308,820	4,104,765	3.36	2,960,077
1993	135,272,537	4,320,073	3.19	3,218,541
1994	155,218,428	4,912,238	3.16	3,765,691
1995	172,693,293	5,786,564	3.35	3,636,435
1996	192,882,960	6,297,934	3.27	4,114,653
1997	211,028,738	6,391,185	3.03	3,853,926
1998	203,430,303	6,542,246	3.22	3,417,718
1999	225,802,022	7,282,489	3.23	3,997,622
2000	251,953,275	7,492,964	2.97	4,378,227
2001	269,842,046	7,545,874	2.80	4,594,565
2002	290,058,444	7,908,462	2.73	5,086,021
2003	305,644,685	8,318,184	2.72	5,221,053
2004	324,885,244	8,865,825	2.73	5,624,621
2005	346,207,398	9,658,412	2.79	5,956,356
2006	363,053,968	6,793,719	1.87	7,793,508
2007	384,693,240	6,683,351	1.74	8,661,810
2008	401,726,293	7,479,407	1.86	8,626,969
2009	411,631,123	6,873,181	1.67	9,896,559
2010	451,432,992	7,288,944	1.61	10,745,293
2011	472,650,336	7,209,896	1.53	10,220,487

주 : 송전단은 양수전력량 제외분임
자료 : www.kepco.co.kr (한국전력통계)

8 Transmission and Distribution Losses(Continued)

손 실 Losses	판 매 량(D) Power Sold	총 손 실 Total Losses		
손실율((A-B)/C) Loss rate		손실량(A-D) Losses	손실율((A-D)/A) Loss rate	
%	MWh	MWh	%	
2.71	35,424,455	2,525,746	6.66	1981
2.61	37,879,626	2,675,030	6.60	1982
2.68	42,620,384	2,874,412	6.32	1983
2.61	47,051,137	3,186,620	6.34	1984
2.60	50,732,095	3,176,183	5.89	1985
2.57	56,309,525	3,508,609	5.87	1986
2.42	64,169,084	4,105,636	6.01	1987
2.34	74,317,726	4,537,766	5.75	1988
2.66	82,191,862	5,320,313	6.08	1989
2.38	94,383,292	5,619,450	5.62	1990
2.44	104,374,022	6,197,177	5.60	1991
2.42	155,243,978	7,064,842	5.78	1992
2.38	127,733,923	7,538,614	5.57	1993
2.43	146,540,499	8,677,929	5.59	1994
2.11	163,270,294	9,422,999	5.46	1995
2.13	182,470,373	10,412,587	5.40	1996
1.83	200,783,627	10,245,111	4.85	1997
1.68	193,470,338	9,959,965	4.90	1998
1.83	214,521,910	11,280,111	5.00	1999
1.79	240,082,085	11,871,191	4.71	2000
1.75	257,701,607	12,140,439	4.50	2001
1.80	277,063,960	12,994,484	4.48	2002
1.76	292,105,448	13,539,237	4.43	2003
1.78	310,394,798	14,490,446	4.46	2004
1.77	330,592,630	15,614,768	4.51	2005
2.19	348,466,741	14,587,227	4.02	2006
2.29	369,348,078	15,345,161	3.99	2007
2.19	385,619,917	16,106,376	4.01	2008
2.45	394,861,383	16,769,740	4.07	2009
2.42	433,398,756	18,034,236	3.99	2010
2.20	455,219,953	17,430,383	3.69	2011

Note : Net generation excludes pumping storage power

9 부문별 전력 소비량

단위 : GWh

	1981		1985		1990		1995		2000	
		%		%		%		%		%
합 계	**35,424**	**100.0**	**50,732**	**100.0**	**94,383**	**100.0**	**163,270**	**100.0**	**239,535**	**100.0**
주 택 용	5,934	16.8	96,325	19.0	17,735	18.8	28,303	17.3	37,102	15.5
공 공 용	1,310	3.7	1,882	3.7	3,291	3.5	5,109	3.1	8,663	3.6
서 비 스	3,422	9.7	5,795	11.4	13,097	13.8	31,815	19.5	59,473	24.8
전기사업자	43	0.1	248	0.5	96	0.1	279	0.1	296	0.1
수 도	1,280	3.6	1,745	3.4	2,589	2.7	4,013	2.5	4,526	1.9
상가및기타	2,099	5.9	3,802	7.5	10,412	11.0	27,523	16.9	54,651	22.8
수 송 (전 철)	462	1.3	724	1.4	1,012	1.1	1,607	1.0	2,037	0.9
산 업	24,296	68.5	32,698	64.5	59,248	62.8	96,436	59.1	132,260	55.2
농림어업	255	0.7	603	1.2	1,458	1.5	3,370	2.1	5,306	2.2
광 업	715	2.0	908	1.8	1,011	1.1	1,020	0.6	1,003	0.4
제 조 업	23,325	65.8	31,188	61.5	56,779	60.2	92,046	56.4	125,951	52.6
식 료 품	1,532	4.3	2,026	4.0	3,540	3.8	5,079	3.1	6,149	2.6
섬 유	4,854	13.7	6,391	12.6	9,505	10.0	12,286	7.5	15,497	6.5
제재·목재	347	1.0	346	0.7	623	0.7	786	0.5	1,137	0.5
제지·인쇄	1,590	4.5	–	4.0	3,877	4.1	6,236	3.8	8,843	3.7
석유·화학	4,518	12.8	–	11.3	10,922	11.6	18,904	11.6	26,898	11.2
요 업	2,642	7.5	3,499	6.9	5,633	6.0	9,325	5.7	8,981	3.7
1 차 금 속	4,945	14.0	6,085	12.0	10,064	10.7	16,101	9.9	23,751	9.9
기계·장비	2,666	7.5	4,819	9.5	12,091	12.8	22,317	13.7	33,346	13.9
기 타	231	0.7	248	0.5	525	0.6	1,012	0.6	1,349	0.6

자료 : www.kepco.co.kr (한국전력통계)

9 Electricity Consumption by Sector

Unit : GWh

2005		2007		2008		2009		2010		2011		
	%		%		%		%		%		%	
332,413	100.0	368,605	100.0	385,070	100.0	394,475	100.0	434,160	100.0	455,070	100.0	Total
50,873	15.3	54,174	14.7	56,228	14.6	57,596	14.6	61,194	14.1	61,564	13.5	Residential
13,741	4.1	15,579	4.2	16,577	4.3	17,932	4.5	19,872	4.6	20,539	4.5	Public
98,385	29.6	110,167	29.9	115,358	30.0	119,028	30.2	127,732	29.4	128,515	28.2	Service
2,138	0.6	2,245	0.6	2,143	0.6	2,012	0.5	2,227	0.5	1,958	0.4	Electricity
4,872	1.5	4,965	1.4	4,986	1.3	4,918	1.2	4,886	1.1	4,889	1.1	Water
91,375	27.5	102,957	27.9	108,229	28.1	112,099	28.4	120,619	27.8	121,668	26.7	Commercial & Others
2,601	0.8	2,433	0.7	2,277	0.6	2,174	0.6	2,191	0.5	2,247	0.5	Transportation (Electric Railway)
166,813	50.2	186,252	50.5	194,630	50.5	197,744	50.1	223,172	51.4	242,204	53.2	Industry
7,007	2.1	7,795	2.1	8,389	2.2	9,145	2.3	10,042	2.3	10,575	2.3	Agri.-Fishery
1,317	0.4	1,484	0.4	1,446	0.3	1,350	0.3	1,683	0.4	1,928	0.4	Mining
158,489	46.7	176,973	48.0	184,795	48.0	187,249	47.5	211,447	48.7	229,701	50.5	Total Manuf.
7,473	2.2	7,821	2.1	7,786	2.0	7,990	2.0	8,736	2.0	9,268	2.0	Food
13,019	3.9	12,017	3.3	11,717	3.0	11,543	2.9	12,362	2.8	12,779	2.8	Textile
1,499	0.5	1,558	0.4	1,585	0.4	1,589	0.4	1,754	0.4	1,780	0.4	Wood
9,681	2.9	9,802	2.7	9,791	2.6	9,611	2.4	10,019	2.3	10,301	2.3	Paper Print
33,994	10.2	36,568	9.9	38,990	10.1	40,064	10.2	43,213	10.0	48,142	10.6	Chemical
9,829	3.0	11,105	3.0	11,408	3.0	11,230	2.8	11,620	2.7	11,822	2.6	Ceramic
28,129	8.5	32,832	8.9	33,842	8.8	35,149	8.9	41,834	9.6	46,226	10.2	Basic Metal
52,727	15.9	62,984	17.1	67,376	17.5	67,894	17.2	79,490	18.3	86,902	19.1	Machinery Equipment
2,138	0.6	2,286	0.6	2,300	0.6	2,179	0.6	2,418	0.6	2,480	0.5	Other Manuf.

Source : www.kepco.co.kr (Statistics of elctric power in Korea)

10 종별 수용가 수 및 판매 전력량

	수용가수 Number of Customers				계약용량 Contracted Capacity
	합 계 Total	전 등 Lighting		동 력 Power	
		주택용 Residential	가로등 Street lighting		
	호(Customers)				(kW)
1981	5,682,341	5,375,418	26,989	279,934	11,455,619
1982	5,985,146	5,662,899	28,314	293,933	11,934,397
1983	6,341,630	5,965,558	30,650	345,422	12,728,928
1984	6,621,304	6,248,193	34,709	338,402	13,843,572
1985	6,931,167	6,513,423	39,830	377,914	14,838,997
1986	7,298,666	6,819,129	44,334	435,203	16,350,311
1987	7,659,359	7,107,465	51,874	500,020	18,510,279
1988	8,109,627	7,447,643	65,961	596,023	21,128,962
1989	8,702,520	7,925,818	82,665	694,037	23,603,072
1990	9,315,211	8,402,039	113,069	800,103	27,445,800
1991	10,052,770	8,968,169	136,526	948,075	26,546,208
1992	10,747,587	9,416,246	167,777	1,163,564	30,577,482
1993	11,499,368	9,910,793	208,618	1,379,957	35,151,208
1994	12,160,982	10,309,540	278,021	1,573,421	39,933,277
1995	12,771,338	10,476,145	343,619	1,951,574	44,896,631
1996	13,329,502	10,812,846	370,288	2,146,368	50,069,757
1997	13,913,351	11,128,407	399,374	2,385,570	54,137,261
1998	14,102,163	11,160,467	427,256	2,514,440	53,909,512
1999	14,379,369	11,269,741	458,636	2,650,992	57,653,769
2000	14,975,793	11,510,731	482,832	2,982,230	62,117,938
2001	15,618,745	11,904,058	523,086	3,191,601	67,522,271
2002	16,490,026	12,427,392	551,281	3,511,353	72,219,358
2003	16,775,526	12,704,193	576,513	3,494,820	–
2004	17,061,591	12,853,035	612,218	3,596,338	–
2005	17,329,494	12,980,980	660,624	3,687,890	–
2006	17,624,836	13,112,311	712,278	3,800,247	–
2007	18,038,810	13,268,224	821,139	3,535,473	–
2008	18,419,048	13,473,388	883,533	4,062,127	–
2009	18,727,411	13,618,389	985,102	4,123,920	–
2010	19,229,450	13,836,185	1,117,657	4,275,608	–
2011	19,814,866	14,103,454	1,271,913	4,439,499	–

주 : 동력은 일반용, 교육용, 산업용, 농사용을 포함
자료 : www.kepco.co.kr(전력통계속보)

10 Electricity Sold and Number of Customers by Tariff

판매전력량 Power Sold (MWh)					1인당 전력소비량 Consumption per Capita (kwh/년)	
합 계 Total	증 가 율 Growth Rate (%)	전 등 Lighting		동 력 Power		
		주택용 Residential	가로등 Street lighting			
35,424,455	8.2	5,577,038	67,547	29,779,870	915	1981
37,879,626	6.9	6,230,538	85,568	31,563,520	963	1982
42,620,384	12.5	7,355,577	101,509	35,163,298	1,068	1983
47,051,137	10.4	8,329,435	117,516	38,604,186	1,164	1984
50,732,095	7.8	9,180,700	160,097	41,391,298	1,243	1985
56,309,525	11.0	9,808,900	198,462	46,302,162	1,367	1986
64,169,084	14.0	10,886,765	246,938	53,035,381	1,543	1987
74,317,726	15.8	12,587,009	327,880	61,402,837	1,771	1988
82,191,862	10.6	14,475,818	422,308	67,313,736	1,939	1989
94,383,292	14.8	16,960,708	469,466	76,953,118	2,202	1990
104,374,022	10.6	18,614,385	508,743	85,250,896	2,412	1991
115,243,978	10.4	20,459,168	604,135	94,180,675	2,639	1992
127,733,923	10.8	21,854,842	820,746	105,058,335	2,899	1993
146,540,499	14.7	28,713,201	988,378	116,838,920	3,297	1994
163,270,294	11.4	30,303,131	1,108,064	131,859,099	3,640	1995
182,470,373	11.8	32,838,347	1,238,823	148,393,203	4,006	1996
200,783,627	10.0	35,101,434	1,381,925	164,300,268	4,366	1997
193,470,338	–3.6	35,352,823	1,419,829	156,697,686	4,167	1998
214,214,891	10.7	38,432,579	1,563,323	174,218,989	4,572	1999
239,535,486	11.8	44,968,217	1,759,253	192,808,016	5,067	2000
257,731,354	7.6	52,289,303	1,877,624	203,564,427	5,444	2001
278,451,371	8.0	58,469,488	2,075,944	217,905,939	5,845	2002
293,599,230	5.4	62,432,397	2,197,210	228,969,623	6,126	2003
312,095,586	6.3	65,489,683	2,367,077	244,238,826	6,491	2004
332,412,828	6.5	69,555,370	2,570,006	260,287,452	6,883	2005
348,719,371	4.9	72,729,897	2,687,040	273,302,434	7,191	2006
368,605,433	5.7	75,148,217	2,793,943	290,663,273	7,607	2007
385,070,137	4.5	77,268,502	2,847,245	304,954,390	7,922	2008
394,474,637	2.4	78,548,418	2,954,231	312,971,988	8,092	2009
434,160,228	10.1	82,889,658	3,081,490	348,189,080	8,883	2010
455,070,261	4.8	82,130,496	3,145,498	369,794,267	9,142	2011

Note : Power includes Public & Service, Educational, Industrial and Agricultural.
Source : www.kepco.co.kr (The Monthly Report on Major Electric Power Statistics)

11 지역별 수용가 수

단위 : 호

	합 계[1] Total	서 울 Seoul	부 산 Busan	인 천 Incheon	대 구 Daegu	광 주 Gwangju	대 전 Daejeon	울 산 Ulsan	경 기[2] Gyeonggi
1981	5,682,341	990,879	396,744	–	–	–	–	–	763,328
1982	5,985,146	1,068,990	425,802	–	–	–	–	–	831,866
1983	6,341,630	1,145,358	459,405	183,263	253,744	–	–	–	738,380
1984	6,621,304	1,213,212	492,515	206,910	269,816	–	–	–	788,010
1985	6,931,167	1,259,649	520,442	226,979	290,169	–	–	–	863,299
1986	7,298,666	1,342,557	549,211	246,681	309,141	–	–	–	959,669
1987	7,659,359	1,424,052	585,585	266,851	323,463	142,912	–	–	1,032,694
1988	8,109,627	1,489,835	625,406	299,938	346,296	164,246	–	–	1,125,343
1989	8,702,520	1,639,388	675,719	334,265	368,842	199,854	167,369	–	1,254,777
1990	9,315,211	1,770,712	713,862	381,098	390,717	216,450	176,065	–	1,392,777
1991	10,052,770	1,941,146	757,285	425,390	415,206	236,312	199,495	–	1,538,708
1992	10,747,587	2,088,448	812,701	452,350	437,575	259,521	223,958	–	1,656,005
1993	11,499,368	2,282,007	862,213	491,105	468,265	280,897	243,019	–	1,781,004
1994	12,160,982	2,384,055	925,589	524,633	499,091	313,360	260,105	–	1,914,773
1995	12,771,338	2,475,203	931,215	554,631	536,249	231,741	272,923	–	2,076,917
1996	13,329,502	2,562,005	988,174	624,680	600,402	344,918	285,437	–	2,145,396
1997	13,913,351	2,644,613	1,009,857	644,983	619,317	370,228	315,592	–	2,259,588
1998	14,102,163	2,677,494	1,020,617	650,902	631,034	367,181	316,585	–	2,319,637
1999	14,379,369	2,698,014	1,033,138	659,611	641,417	371,943	322,702	–	2,386,211
2000	14,975,793	2,723,669	1,049,126	685,359	664,243	374,421	334,325	281,441	2,496,014
2001	15,618,745	2,786,735	1,073,085	724,411	698,785	385,354	357,073	294,629	2,669,017
2002	16,490,026	2,899,136	1,104,808	782,931	734,517	402,934	387,741	309,300	2,869,292
2003	16,775,526	2,956,773	1,125,135	791,760	757,085	414,184	402,889	318,989	2,959,312
2004	17,061,591	2,977,662	1,134,704	793,050	766,034	417,432	410,397	324,666	3,037,348
2005	17,329,494	2,991,797	1,142,226	795,639	762,324	423,395	417,087	330,779	3,092,956
2006	17,624,836	3,004,520	1,144,447	799,902	765,031	430,007	422,353	335,854	3,159,117
2007	18,038,810	3,032,471	1,146,331	810,596	775,419	436,176	426,486	344,838	3,266,588
2008	18,419,048	3,036,105	1,147,170	823,213	785,574	443,834	432,523	353,728	3,364,828
2009	18,727,411	3,061,319	1,152,245	834,374	791,320	451,057	443,519	360,482	3,448,837
2010	19,229,450	3,127,242	1,168,269	862,705	800,585	462,672	465,250	372,924	3,547,389
2011	19,814,866	3,213,280	1,192,817	884,924	820,940	471,124	483,447	385,869	3,666,846

주 : 1) 2008년 이후 합계에 개성포함.
2) 1970~1982. 인천은 경기, 대구는 경북에 포함.
3) 1970~1986. 광주는 전남에 포함. 1970~1988. 대전은 충남에 포함.
자료 : www.kepco.co.kr (한국전력통계)

11 Number of Customers by Region

Unit : customers

강 원 Gangwon	충 북 Chungbuk	충 남[3] Chungnam	전 북 Jeonbuk	전 남[2] Jeonnam	경 북[1] Gyeongbuk	경 남 Gyeongnam	제 주 Jeju	
309,535	248,927	500,068	383,292	625,017	825,789	563,483	75,279	1981
320,671	258,265	520,503	397,197	642,489	854,507	586,835	78,021	1982
335,166	267,292	538,115	413,956	671,407	634,404	619,256	81,884	1983
348,994	265,993	546,853	421,872	685,795	644,813	649,259	87,262	1984
361,294	277,700	568,658	430,003	704,609	660,128	676,684	91,553	1985
375,248	290,107	584,862	442,523	721,072	676,106	736,990	94,499	1986
385,981	303,898	604,486	455,181	603,070	695,039	737,338	98,809	1987
401,446	320,399	631,416	471,424	614,611	729,775	784,635	104,857	1988
418,647	335,983	495,233	492,284	613,564	757,348	838,844	110,403	1989
433,639	357,162	523,487	504,258	633,153	797,699	905,669	118,463	1990
458,028	383,413	551,222	526,071	662,433	838,110	994,092	125,859	1991
472,668	413,099	572,417	550,825	695,520	887,910	1,087,311	137,279	1992
491,497	444,013	602,491	577,084	734,563	932,755	1,162,137	146,318	1993
516,574	473,360	634,181	600,284	765,911	972,791	1,221,100	155,175	1994
543,613	522,129	685,374	641,639	818,002	1,028,506	1,285,696	167,500	1995
563,441	534,930	705,031	642,202	829,920	1,010,690	1,315,572	176,704	1996
585,745	599,950	740,094	670,079	858,186	1,046,942	1,363,077	185,100	1997
600,194	572,056	757,591	675,238	867,812	1,067,153	1,388,080	190,589	1998
615,947	588,106	778,604	689,342	884,312	1,092,578	1,419,395	198,049	1999
648,109	632,774	818,080	766,004	927,447	1,179,324	1,188,615	206,842	2000
679,612	672,851	864,016	765,857	961,552	1,234,125	1,234,759	216,884	2001
707,824	710,595	915,748	850,377	1,004,440	1,296,355	1,285,153	228,875	2002
722,536	720,825	918,493	841,139	986,405	1,313,240	1,306,492	240,269	2003
741,187	735,903	942,950	851,423	998,130	1,345,213	1,336,161	249,331	2004
762,530	754,380	974,323	865,105	1,020,908	1,375,853	1,365,303	254,889	2005
786,952	774,536	1,005,607	886,495	1,036,400	1,416,085	1,396,399	261,131	2006
808,944	795,998	1,044,357	905,310	1,077,482	1,471,397	1,430,566	265,851	2007
832,089	820,888	1,076,938	926,633	1,016,823	1,524,494	1,472,953	217,002	2008
850,629	838,126	1,103,222	903,752	1,135,861	1,566,729	1,508,845	276,850	2009
868,928	865,909	1,141,204	943,598	1,160,472	1,607,210	1,551,878	282,977	2010
886,990	890,383	1,184,303	973,340	1,201,817	1,662,139	1,599,848	296,567	2011

Notes : 1) From 2008, includes Gaesung.
2) Incheon in 1970~1982 is included in Gyeonggi, Daegu in 1970~1982 is included in Gyeongbuk.
3) Kwangju in 1970~1986 is included in Chungnam, Daejeon in 1970~1988 is included in Chungnam.
Source : www.kepco.co.kr (Statistics of elctric power in Korea)

12 지역별 판매 전력량

단위 : MWh

	합 계 Total	서 울 Seoul	부 산 Busan	인 천 Incheon	대 구 Daegu	광 주 Gwangju	대 전 Daejeon	울 산 Ulsan	경 기[2] Gyeonggi
1981	35,424,455	6,492,486	3,323,730	–	–	–	–	–	6,210,420
1982	37,879,626	6,962,896	3,535,896	–	–	–	–	–	6,777,839
1983	42,620,384	7,859,263	3,990,744	2,787,713	2,386,400	–	–	–	5,251,406
1984	47,051,137	8,646,945	4,336,842	3,066,661	2,550,045	–	–	–	6,236,550
1985	50,732,095	9,280,092	4,519,559	3,242,433	2,616,406	–	–	–	7,061,470
1986	56,309,525	10,205,815	4,936,278	3,745,058	2,730,215	–	–	–	8,260,554
1987	64,169,084	11,364,344	5,519,338	4,100,383	3,270,714	772,101	–	–	9,991,838
1988	74,317,726	13,073,675	6,115,017	4,680,412	3,528,899	1,094,005	–	–	11,896,657
1989	82,191,862	14,369,760	6,531,786	5,090,566	3,773,640	1,334,659	1,413,477	–	13,561,579
1990	94,383,292	16,027,052	7,341,267	5,794,948	4,243,166	1,562,328	1,847,100	–	15,756,857
1991	104,374,022	17,060,163	7,685,775	6,295,568	4,503,228	1,670,014	2,023,889	–	17,386,305
1992	115,243,978	18,370,162	8,066,136	7,210,104	4,926,991	1,895,916	2,230,216	–	19,212,289
1993	127,733,923	19,870,468	8,451,284	8,354,173	5,378,003	2,100,756	2,444,999	–	21,542,019
1994	146,540,499	22,253,268	9,323,262	9,182,284	6,220,840	2,456,594	2,939,864	–	25,233,617
1995	163,270,294	23,565,808	9,894,007	9,995,190	6,549,781	2,782,927	3,320,893	–	28,696,044
1996	182,470,373	25,686,049	10,885,412	11,188,533	8,326,697	3,103,707	3,792,028	–	31,898,222
1997	200,783,627	27,314,635	11,450,156	12,118,886	8,629,456	3,447,578	4,169,271	–	35,250,295
1998	193,470,338	26,161,720	10,948,496	11,569,386	8,279,242	3,371,966	4,139,120	–	33,612,776
1999	214,214,891	28,447,269	11,296,855	12,921,985	9,215,520	3,766,361	4,713,997	–	38,031,741
2000	239,535,486	31,395,005	12,409,397	14,195,026	10,189,993	4,279,226	5,289,144	17,236,182	43,885,163
2001	257,731,354	33,321,290	13,423,022	14,963,884	10,544,475	4,639,098	5,771,636	17,695,778	48,583,252
2002	278,451,380	34,882,647	14,270,036	16,099,983	11,219,611	5,090,958	6,210,506	18,825,229	53,908,880
2003	293,599,230	36,163,797	14,764,341	16,921,206	11,471,668	5,337,212	6,502,820	19,629,362	57,939,772
2004	312,095,586	38,213,581	15,479,222	17,648,598	11,903,722	5,761,794	6,896,446	20,576,404	62,758,836
2005	332,412,828	40,523,741	16,588,954	18,165,058	12,363,357	6,205,053	7,252,938	20,851,718	68,750,378
2006	348,719,371	41,824,268	17,218,934	18,694,596	12,622,007	6,441,161	7,505,662	21,556,369	73,309,874
2007	368,605,433	42,972,816	17,905,735	19,446,553	12,925,891	6,803,616	7,823,147	22,739,544	78,107,276
2008	385,070,137	44,096,350	18,709,380	19,915,366	13,265,254	7,044,868	8,087,633	24,132,175	81,848,570
2009	394,474,637	44,984,457	18,689,437	20,032,122	13,133,729	7,169,715	8,224,741	24,682,548	83,743,497
2010	434,160,228	47,295,093	20,263,682	21,827,577	14,479,996	7,860,057	8,867,405	26,515,702	93,074,875
2011	455,070,261	46,902,989	20,561,979	22,241,136	14,821,948	8,047,388	9,059,776	28,198,242	96,844,503

주 : 1) 2008년 이후 합계에 개성지역 판매전력량 포함.
2) 1970~1983 인천판매 전력량은 경기, 대구 판매 전력량은 경북에 포함.
3) 1970~1986 광주판매 전력량은 전남에 포함, 1970~1988 대전판매 전력량은 충남에 포함.
자료 : www.kepco.co.kr (한국전력통계)

12 Electricity Sold by Region

Unit : MWh

강 원 Gangwon	충 북 Chungbuk	충 남[3] Chungnam	전 북 Jeonbuk	전 남[2] Jeonnam	경 북[1] Gyeongbuk	경 남 Gyeongnam	제 주 Jeju	
2,543,706	1,287,083	1,649,261	1,137,600	2,038,246	5,510,444	5,106,745	124,734	1981
2,795,600	1,429,295	1,835,226	1,222,122	2,178,572	5,774,649	5,227,192	140,339	1982
3,024,738	1,645,727	2,046,659	1,343,885	2,568,679	3,740,059	5,811,537	163,574	1983
3,054,322	1,751,034	2,238,610	1,477,921	2,842,597	4,093,951	6,564,469	191,190	1984
3,195,860	1,788,836	2,418,858	1,606,963	3,154,637	4,536,391	7,096,336	214,255	1985
3,441,686	1,977,103	2,663,234	1,791,932	3,478,316	5,127,166	7,709,200	242,970	1986
3,613,050	2,329,049	2,974,130	2,024,321	3,047,651	6,019,043	8,861,076	282,047	1987
3,976,253	2,856,745	3,477,027	2,368,995	3,425,282	6,836,226	10,635,067	353,466	1988
4,203,975	3,182,679	2,554,104	2,727,559	3,563,594	7,766,706	11,688,667	429,111	1989
4,526,254	3,831,246	2,677,636	3,330,675	4,390,468	9,019,102	13,489,898	545,296	1990
5,050,168	4,468,846	3,299,180	3,894,762	4,825,759	10,051,838	15,535,031	622,498	1991
5,507,607	5,099,960	3,988,782	4,361,426	5,526,665	11,009,681	17,128,261	709,782	1992
6,065,953	5,751,135	4,523,432	4,980,707	6,032,480	12,414,603	19,046,497	777,414	1993
6,619,719	6,651,720	5,658,708	5,932,774	6,859,046	14,460,318	21,821,001	927,484	1994
7,118,029	7,400,349	7,101,854	6,881,068	7,718,537	16,912,878	24,280,916	1,052,013	1995
7,558,856	8,585,639	9,226,106	7,994,501	8,864,129	17,819,373	26,346,814	1,194,306	1996
8,069,296	9,363,428	10,292,423	8,734,206	11,493,502	20,361,452	28,769,138	1,319,901	1997
7,427,165	8,544,449	9,311,632	8,516,306	11,746,234	20,701,378	27,769,065	1,371,404	1998
8,213,597	9,513,085	10,520,730	9,428,292	13,160,127	22,537,413	30,976,108	1,471,811	1999
9,145,542	10,722,434	12,235,851	10,592,299	14,410,926	24,805,745	17,038,616	1,704,936	2000
10,227,934	11,647,860	13,835,150	11,247,612	15,653,923	25,925,964	18,295,403	1,955,071	2001
11,105,285	12,685,134	15,447,796	12,019,475	16,076,907	28,289,834	20,144,321	2,174,770	2002
11,899,814	13,052,046	17,584,892	12,412,142	16,670,742	29,582,443	21,302,733	2,364,241	2003
12,051,844	13,865,584	19,419,620	13,128,881	17,829,501	31,446,013	22,553,302	2,562,238	2004
12,379,005	14,464,184	22,449,469	13,592,737	18,803,153	33,161,128	24,093,883	2,768,073	2005
12,993,255	15,350,674	25,003,743	14,407,656	19,500,753	34,010,487	25,380,993	2,898,939	2006
13,567,824	16,678,098	28,051,143	15,166,073	20,341,400	36,249,730	26,788,262	3,038,325	2007
13,895,753	17,375,035	30,427,966	15,927,799	21,868,193	37,164,797	28,074,968	3,183,210	2008
13,992,115	17,591,645	32,115,473	16,684,299	23,589,470	37,983,313	28,393,041	3,352,343	2009
14,484,027	19,444,836	38,809,312	18,949,073	25,059,934	41,589,052	31,549,222	3,574,624	2010
15,876,041	20,453,358	42,650,112	21,168,359	27,136,865	44,167,300	33,071,206	3,710,080	2011

Notes: 1) From 2008, includes Gaesung.
2) Inchoen in 1970~1982 is included in Gyeonggi, Daegu in 1970~1982 is included in Gyeongbuk.
3) Kwangju in 1970~1986 is included in Chougnam, Daejeon in 1970~1988 is included in Chungnam.
Source : www.kepco.co.kr (Statistics of elctric power in Korea)

13 종별 판매단가 및 판매수입

	판 매 단 가 Average Revenues per KWh						
	주택용[1] Residential	일반용 Public & Service	교육용[2] Educational	산업용 Industrial	농사용 Agricultural	가로등 Street lighting	평 균 Average
	Won/kWh						
1981	74.61	–	–	–	29.74	78.22	64.31
1982	75.19	149.32	–	58.61	30.38	90.88	69.87
1983	73.26	141.25	–	56.79	33.42	85.02	67.71
1984	73.33	137.89	–	56.27	33.19	84.39	67.42
1985	73.42	137.53	–	56.21	34.26	83.20	67.92
1986	71.33	132.31	–	54.54	34.69	82.02	65.51
1987	71.70	125.78	–	52.59	36.04	72.79	63.48
1988	71.94	109.53	57.47	48.91	33.48	55.60	65.49
1989	69.13	85.93	52.97	46.94	32.70	49.84	55.43
1990	68.66	77.12	49.81	44.33	34.06	48.26	52.94
1991	73.03	81.91	50.53	43.84	33.80	46.84	54.23
1992	81.22	84.60	53.59	46.00	33.56	51.43	58.09
1993	82.29	85.13	54.53	46.20	35.82	51.60	58.90
1994	85.95	86.92	77.60	46.14	34.59	51.93	59.39
1995	86.47	89.00	76.00	47.14	36.17	53.59	61.28
1996	88.95	90.32	75.68	48.37	37.11	54.60	62.99
1997	92.05	93.19	77.89	49.86	38.96	56.18	65.26
1998	96.60	104.16	86.51	55.01	44.31	63.02	72.08
1999	96.41	102.45	85.73	54.78	44.04	62.82	71.59
2000	94.72	106.04	90.16	58.30	43.04	65.92	74.65
2001	91.57	107.99	92.74	61.56	43.51	68.14	77.06
2002	87.01	102.66	89.26	59.02	42.37	64.98	73.88
2003	88.00	100.59	90.24	60.30	43.45	65.75	74.68
2004	90.94	96.85	89.05	60.23	41.95	65.33	74.58
2005	91.07	95.24	89.00	60.25	41.67	65.65	74.46
2006	93.70	97.91	77.48	61.92	42.96	68.61	76.43
2007	94.78	97.68	77.20	64.56	42.45	71.47	77.85
2008	97.58	95.30	78.58	66.24	42.38	72.50	78.76
2009	98.07	98.50	83.56	73.69	42.13	76.65	83.59
2010	103.38	98.93	87.23	76.63	42.54	81.13	86.12
2011	105.12	101.69	94.18	81.23	42.72	87.18	89.32

주 : 1) 1981~1993년은 농사용 전등 및 4kW미만 고객포함, '94년부터 농사용 전등 제외
2) 1981~1993년 이전은 동력 전체 고객
자료 : www.kepco.co.kr (한국전력통계)

13 Average Price per kWh and Total Revenues by Tariff

판 매 수 입 Revenues from Sales				
총 계 Total	전 등 Lighting		동 력 Power	
	주택용 Residential	가로등 Street lighting		
1,000 Won				
2,278,213,424	416,119,361	5,283,500	1,856,810,563	1981
2,646,596,884	468,450,526	7,776,032	2,170,370,326	1982
2,885,847,889	538,889,430	8,630,261	2,338,328,198	1983
3,172,400,557	610,828,881	9,916,972	2,551,654,704	1984
3,445,722,446	674,003,733	13,320,667	2,758,398,046	1985
3,688,880,988	699,638,496	16,278,065	2,972,964,425	1986
4,073,692,124	781,074,998	17,975,469	3,274,641,657	1987
4,421,004,587	905,541,478	18,231,798	3,497,231,311	1988
4,556,005,382	1,000,778,289	20,051,209	3,535,175,884	1989
4,996,726,916	1,164,463,510	22,654,463	3,809,608,943	1990
5,659,869,358	1,359,461,082	23,827,765	4,276,580,511	1991
6,695,094,977	1,661,629,880	31,068,507	5,002,396,590	1992
7,523,500,083	1,798,384,094	42,354,050	5,682,761,939	1993
8,824,120,639	2,467,973,316	51,328,724	6,304,818,599	1994
10,004,979,019	2,620,219,891	59,380,813	7,325,378,315	1995
11,493,847,557	2,921,082,494	67,635,634	8,505,126,014	1996
13,103,807,061	3,231,024,101	77,640,901	9,795,139,524	1997
13,944,793,061	3,415,238,117	89,472,284	10,440,080,232	1998
15,334,844,616	3,705,145,616	98,206,287	11,531,490,110	1999
17,882,184,141	4,259,408,738	115,971,626	13,506,801,465	2000
19,861,385,283	4,787,877,902	127,940,937	14,945,563,944	2001
20,572,615,228	5,087,499,863	134,891,633	15,350,221,500	2002
21,925,576,497	5,494,326,608	144,463,055	16,286,786,834	2003
23,276,653,272	5,955,735,555	154,649,377	15,815,191,565	2004
24,752,637,345	6,334,662,382	168,727,452	18,249,247,511	2005
26,652,703,238	6,814,735,995	184,370,077	19,653,597,166	2006
28,695,989,957	7,122,889,171	199,695,515	21,373,405,271	2007
30,328,758,201	7,540,117,420	206,418,500	22,582,222,281	2008
32,975,019,408	7,703,168,051	226,430,707	25,045,420,658	2009
37,390,071,017	8,568,996,618	250,009,506	28,571,064,894	2010
40,647,051,421	8,633,166,890	274,238,526	31,739,646,005	2011

Notes : 1) Includes agricultural lighting & all customers under 4kW from 1981 to 1993, Excludes agricultural lighting since 1994
2) Power total customers from 1981~1993
Source : www.kepco.co.kr (Statistics of elctric power in Korea)

14 전력구입실적 Power purchasing results

	전력시장 Electricity Market			PPA (Power Purchase Agreement)			합 계 Total		
	구입량 Volume	구입액 Payment	단 가 Unit cost	구입량 Volume	구입액 Payment	단 가 Unit cost	구입량 Volume	구입액 Payment	단 가 Unit cost
	(GWh)	(bil. Won)	(Won/kWh)	(GWh)	(bil. Won)	(Won/Wh)	(GWh)	(bil. Won)	(Won/kWh)
2002	281,873	13,392	47.51	13,650	1,141	83.57	295,523	14,533	49.18
2003	299,510	14,669	48.98	11,084	1,055	95.19	310,595	15,725	50.63
2004	318,062	15,747	49.51	10,464	1,020	97.43	328,526	16,766	51.03
2005	338,864	17,374	51.27	10,412	1,170	112.38	349,276	18,544	53.09
2006	354,866	19,018	53.59	10,370	1,299	125.27	365,236	20,317	55.63
2007	374,567	21,205	56.61	11,803	1,487	126.02	386,369	22,692	58.73
2008	392,431	26,880	68.50	12,389	2,228	179.86	404,820	29,109	71.91
2009	405,690	26,965	66.47	9,476	1,508	159.10	415,166	28,473	68.58
2010	440,863	32,312	73.29	14,228	2,195	154.27	455,091	34,507	75.82
2011	462,357	36,844	79.69	14,638	2,529	172.78	476,955	39,373	82.54

자료 : www.kepco.co.kr (한국전력통계)
Source : www.kepco.co.kr (Statistics of elctric power in Korea)

14-1. 2011 발전원별 전력구입실적 (전력시장구입)

Purchase results from Electricity market by Energy Sources

	합 계 Total	원자력 Nuclear	유연탄 Bituminous	무연탄 Anthracite	석유류 Oil	천연가스 LNG	복 합 Combined	수 력 Hydro	양 수 Pumping	신재생 Renewable	기 타 Other
구입량 Volume (GWh)	462,357	147,763	185,778	7,777	9,569	2,479	93,540	4,123	3,214	7,930	184
구입액 Payment (bil. Won)	36,844	5,793	12,488	767	2,162	464	13,213	562	567	806	23
단 가 Unit cost (Won/kWh)	79.69	39.20	67.22	98.64	225.90	187.00	141.26	136.19	176.43	101.66	126.25

자료 : www.kepco.co.kr (한국전력통계)
Source : www.kepco.co.kr (Statistics of elctric power in Korea)

14-2. 2011 전력구입실적 (PPA 사업자 구입)

Purchase results from Power Purchase Agreement

	합 계 Total	복합화력 Combined Cycle					구 역 전 기	청양바이오 (C.Y Bio)	태양광 (Solar energy)
		POSCO	GS EPS	GS Power	메이야 (Meiya)	소 계 Sub-Total			
구입량 Volume (GWh)	14,638	4,225	3,167	3,664	2,667	13,723	634	0.9	274
구입액 Payment (bil. Won)	2,529	859	451	586	416	2,312	86	0.115	130
단 가 Unit cost (Won/kWh)	172.78	203.26	142.53	159.93	155.98	168.49	135.15	127.40	475.65

자료 : www.kepco.co.kr (한국전력통계)
Source : www.kepco.co.kr (Statistics of elctric power in Korea)

15 전력거래량 Power Trading Results by Energy Sources

	합 계 Total	원자력 Nuclear	석 탄 Coal	국내탄 Domestic	석유류 Oil	천연가스 LNG	복 합 Combined	수 력 Hydro	양 수 Pumping	신재생 Renewable	기 타 Other
	GWh										
2002	281,873	114,685	108,487	6,093	17,240	1,708	29,774	1,770	2,068	–	47
2003	299,510	124,412	110,408	6,346	19,119	1,904	32,328	2,438	1,978	–	578
2004	318,062	125,142	117,644	5,247	17,770	965	46,643	2,382	1,527	–	742
2005	338,864	140,367	124,002	5,229	16,606	1,029	47,365	2,129	1,503	–	634
2006	354,866	142,115	129,296	5,184	15,307	2,511	54,738	3,106	1,741	–	869
2007	374,567	137,040	143,189	5,501	16,493	3,710	62,359	3,591	1,398	–	1,285
2008	392,431	144,255	160,404	6,326	8,941	4,534	60,984	3,007	2,480	–	1,499
2009	405,690	141,123	178,840	7,298	12,819	3,594	54,300	2,760	2,814	–	2,143
2010	440,874	141,894	183,359	7,649	11,854	5,636	79,519	3,287	2,774	–	4,890
2011	462,357	147,763	185,778	7,777	9,569	2,479	93,540	4,123	3,214	7,930	184

자료 : www.kepco.co.kr (전력통계속보)
Source : www.kepco.co.kr (The Monthly Report on Major Electric Power Statistics)

16 전력거래금액 Power Turnover by Energy Sources

	합 계 Total	원자력 Nuclear	석 탄 Coal	국내탄 Domestic	석유류 Oil	천연가스 LNG	복 합 Combined	수 력 Hydro	양 수 Pumping	신재생 Renewable	기 타 Other
	bil.Won										
2002	13,392	4,573	4,616	299	1,223	186	2,209	97	187	–	2
2003	14,669	4,983	4,671	325	1,447	227	2,644	140	203	–	30
2004	15,747	4,984	4,940	276	1,430	151	3,596	148	179	–	43
2005	17,374	5,532	5,416	284	1,520	168	4,087	152	176	–	40
2006	19,018	5,456	4,985	286	1,764	333	5,601	261	261	–	71
2007	21,205	5,400	5,865	360	1,930	476	6,485	336	243	–	110
2008	26,880	5,642	8,219	744	1,717	743	8,690	404	527	–	194
2009	26,965	5,030	10,787	797	1,867	550	6,968	302	441	–	224
2010	32,313	5,633	11,163	842	2,189	830	10,082	445	613	–	515
2011	36,844	5,793	12,488	767	2,162	464	13,213	562	567	806	23

자료 : www.kepco.co.kr (전력통계속보)
Source : www.kepco.co.kr (The Monthly Report on Major Electric Power Statistics)

17 전력거래단가 Power Unit Price per Trading by Energy Sources

	합 계 Total	원자력 Nuclear	석 탄 Coal	국내탄 Domestic	석유류 Oil	천연가스 LNG	복 합 Combined	수 력 Hydro	양 수 Pumping	신재생 Renewable	기 타 Other
	Won/kWh										
2002	47.51	39.87	42.55	49.14	70.96	108.77	74.19	54.57	90.39	–	46.51
2003	48.99	40.05	42.31	51.20	75.60	118.97	81.90	57.48	102.74	–	53.11
2004	49.51	39.83	41.99	52.66	80.48	156.19	77.10	62.06	116.97	–	58.35
2005	51.27	39.41	43.68	54.23	91.51	162.94	86.29	71.30	117.09	–	63.40
2006	53.59	38.39	38.56	55.11	115.21	132.45	102.32	84.03	150.15	–	81.74
2007	56.61	39.40	40.96	65.37	117.04	128.32	104.00	93.61	173.76	–	85.78
2008	68.50	39.11	51.24	117.63	192.06	163.91	142.50	134.39	212.35	–	129.74
2009	66.47	35.64	60.31	109.19	145.62	153.06	128.33	109.37	156.61	–	104.36
2010	73.29	39.70	60.88	110.13	184.65	147.36	126.79	135.43	220.81	–	105.32
2011	79.69	39.20	67.22	98.64	225.90	187.00	141.26	136.19	176.43	101.66	126.25

자료 : www.kepco.co.kr (전력통계속보)
Source : www.kepco.co.kr (The Monthly Report on Major Electric Power Statistics)

18 현행 전기요금표

1. 주택용 전력(저압)

가정용 고객(아파트 고객 포함) 계약전력 3kW이하의 고객, 독신자 합숙소 (기숙사 포함) 또는 집단주거용 사회복지 시설로서 고객이 주택용 전력의 적용을 희망하는 경우에 적용(단, 아파트고객의 공동설비는 일반용 전력 적용 가능)

(적용일자 : 2012년 8월 6일)

기 본 요 금 (원/호)		전 력 량 요 금 (원/kWh)	
100kWh이하 사용	390	처음 100kWh 까지	57.90
101~200kWh 사용	870	다음 100kWh 까지	120.20
201~300kWh 사용	1,530	다음 100kWh 까지	179.40
301~400kWh 사용	3,680	다음 100kWh 까지	267.80
401~500kWh 사용	6,670	다음 100kWh 까지	398.70
500kWh 초과 사용	12,350	500kWh 초과	677.30

※ 월 최저요금 : 1,000원

2. 주택용 전력(고압)

고압으로 공급받는 가정용 고객에게 적용

(적용일자 : 2012년 8월 6일)

기 본 요 금(원/호)		전력량 요금(원/kWh)	
100kWh이하 사용	390	처음 100kWh 까지	55.00
101~200kWh 사용	700	다음 100kWh 까지	94.40
201~300kWh 사용	1,210	다음 100kWh 까지	140.60
301~400kWh 사용	3,030	다음 100kWh 까지	205.80
401~500kWh 사용	5,780	다음 100kWh 까지	310.90
500kWh초과 사용	10,270	500kWh 초과	548.50

3. 일반용 전력(갑)

타 종별을 제외한 고객으로 계약전력 300kW 미만 고객에 적용

(적용일자 : 2012년 8월 6일)

구 분		기본요금 (원/kW)	전력량 요금(원/kWh)		
			여 름 철 (7~8월)	봄·가을철 (3~6, 9~10월)	겨 울 철 (11~2월)
저압전력		5,830	100.20	62.40	86.50
고압A	선택 I	6,790	110.10	68.70	97.10
고압B	선택 II	7,790	106.30	64.70	92.10
	선택 I	6,790	108.10	67.60	94.30
	선택 II	7,790	103.10	62.60	89.30

※ 저압 : 표준전압110V~380V, 고압A : 3,300~66,000V, 고압B : 154,000V이상

4. 일반용 전력(을)

타 종별을 제외한 고객으로 계약전력 300kW 이상 고객에 적용

구 분		기본요금 (원/kW)	전력량 요금(원/kWh)			
			시 간 대	여름철 (7~8월)	봄·가을철 (3~6, 9~10월)	겨울철 (11~2월)
고압A	선택 I	6,790	경 부 하	55.90	55.90	60.20
			중간부하	107.00	72.60	105.20
			최대부하	185.20	97.70	152.10
	선택 II	7,790	경 부 하	50.90	50.90	55.20
			중간부하	102.00	67.60	100.20
			최대부하	180.20	92.70	147.10
고압B	선택 I	6,790	경 부 하	54.20	54.20	58.40
			중간부하	103.90	70.60	102.00
			최대부하	178.70	94.90	147.00
	선택 II	7,790	경 부 하	49.20	49.20	53.40
			중간부하	98.90	65.60	97.00
			최대부하	173.70	89.90	142.00

5. 지식서비스산업(특례)

- 일반용 전력(갑)

  타 종별을 제외한 고객으로 계약전력 300kW 미만 고객에 적용

구 분		기본요금 (원/kW)	전력량 요금(원/kWh)		
			여름철 (7~8월)	봄,가을철 (3~6,9~10월)	겨울철 (11~2월)
저압전력		5,450	94.10	58.90	79.20
고압A	선택 I	6,500	107.40	67.50	93.40
	선택 II	7,480	102.60	62.80	87.00
고압B	선택 I	6,500	104.50	65.80	89.10
	선택 II	7,480	99.60	60.90	84.20

※ 저압 : 표준전압110V~380V, 고압A : 3,300~66,000V, 고압B : 154,000V이상

18 현행 전기요금표(계속)

• 일반용 전력(을)
타 종별을 제외한 고객으로 계약전력 300kW 이상 고객에 적용

구 분		기본요금 (원/kW)	전력량 요금(원/kWh)			
			시간대	여름철 (7~8월)	봄,가을철 (3~6, 9~10월)	겨울철 (11~2월)
고압A	선택 I	6,790	경 부 하	52.30	52.30	57.10
			중간부하	102.80	70.00	100.90
			최대부하	180.20	95.40	147.50
	선택 II	7,790	경 부 하	47.30	47.30	52.10
			중간부하	97.80	65.00	95.90
			최대부하	175.20	90.40	142.50
고압B	선택 I	6,700	경 부 하	52.80	52.80	56.80
			중간부하	101.40	69.10	99.50
			최대부하	176.70	93.20	145.60
	선택 II	7,440	경 부 하	49.10	49.10	53.10
			중간부하	97.70	65.40	95.80
			최대부하	173.00	89.50	141.90

• 일반용전력(을) 계절별 시간대별 구분
타 종별을 제외한 고객으로 계약전력 1,000kW 이상 고객에 적용

구분	여름, 봄·가을철	겨울철
	(7월~8월), (3월~6월, 9월~10월)	11월~익년 2월
경부하 시간대	23 : 00~09 : 00	23 : 00~09 : 00
중간부하 시간대	09 : 00~11 : 00	09 : 00~10 : 00
	12 : 00~13 : 00	12 : 00~17 : 00
	17 : 00~23 : 00	20 : 00~22 : 00
최대부하 시간대	11 : 00~12 : 00	10 : 00~12 : 00
	13 : 00~17 : 00	17 : 00~20 : 00
		22 : 00~23 : 00

* 저압 : 표준전압 110V~380V, 고압A : 3,300~66,000V, 고압B : 154,000V이상

• 전기자동차 충전전력

구 분	기본요금 (원/kW)	전 력 량 요 금 (원/kWh)			
		시 간 대	여름철 (7~8월)	봄·가을철 (3~6, 9~10월)	겨울철 (11~2월)
저 압	2,230	경 부 하	53.70	54.70	75.20
		중간부하	135.40	65.70	119.40
		최대부하	216.60	70.30	177.80
고 압	2,400	경 부 하	48.90	49.80	65.10
		중간부하	103.20	59.90	94.10
		최대부하	152.50	63.60	129.30

* 적용범위
자동차관리법 제 3조 및 같은 법 시행규칙 제 2조의 적용을 받는 자동차로, 사용연료가 전기인 자동차(단, 이륜자동차는 제외) 및 자동차 충전설비

18 Table for Current Electricity Tariff(Continued)

6. 산업용(갑)

광업 및 제조업에 전력을 사용하는 계약전력 4kW이상 300kW미만의 고객 또는 기타사업에 전력을 사용하는 계약전력 4kW이상의 고객에 적용

(적용일자 : 2012년 8월 6일)

구 분		기본요금 (원/kW)	전력량 요금(원/kWh)		
			여름철 (7~8월)	봄,가을철 (3~6, 9~10월)	겨울철 (11~2월)
저 압 전 력		5,090	74.20	55.90	71.80
고압A	선택 I	5,890	80.20	60.70	79.60
	선택 II	6,780	76.00	56.40	74.00
고압B	선택 I	5,450	79.20	59.60	78.30
	선택 II	6,270	75.00	55.40	72.80

7. 산업용(을)

광업 및 제조업에 전력을 사용하는 계약전력 300kW이상의 고객 또는 기타사업에 전력을 사용하는 계약전력 300kW이상으로서 고객이 요청하는 경우에 적용

구 분		기본요금 (원/kW)	전력량 요금(원/kWh)			
			시간대	여름철 (7~8월)	봄,가을철 (3~6, 9~10월)	겨울철 (11~2월)
고압A	선택 I	7,400	경 부 하	56.00	56.00	61.80
			중간부하	105.70	77.80	104.00
			최대부하	181.00	105.90	155.70
	선택 II	8,520	경 부 하	50.40	50.40	56.20
			중간부하	100.10	72.20	98.40
			최대부하	175.40	100.30	150.10
고압B	선택 I	6,800	경 부 하	54.60	54.60	60.30
			중간부하	103.50	76.20	101.80
			최대부하	177.90	103.80	152.20
	선택 II	7,570	경 부 하	50.70	50.70	56.40
			중간부하	99.60	72.30	97.90
			최대부하	174.00	99.90	148.30
	선택 III	8,400	경 부 하	49.00	49.00	54.70
			중간부하	97.90	70.60	96.20
			최대부하	172.30	98.20	146.60
고압B	선택 I	6,760	경 부 하	54.10	54.10	59.60
			중간부하	103.50	76.10	101.40
			최대부하	177.40	103.80	152.10
	선택 II	7,720	경 부 하	49.30	49.30	54.80
			중간부하	98.70	71.30	96.60
			최대부하	172.60	99.00	147.30
	선택 III	8,290	경 부 하	48.20	48.20	53.70
			중간부하	97.60	70.20	95.50
			최대부하	171.50	97.90	146.20

18 현행 전기요금표(계속)

8. 산업용전력(을) 계절별 시간대별 구분

구분	여름, 봄·가을철 (7월~8월), (3월~6월, 9월~10월)	겨울철 11월~익년 2월
경부하 시간대	23 : 00~09 : 00	23 : 00~09 : 00
중간부하 시간대	09 : 00~11 : 00	09 : 00~10 : 00
	12 : 00~13 : 00	12 : 00~17 : 00
	17 : 00~23 : 00	20 : 00~22 : 00
최대부하 시간대	11 : 00~12 : 00	10 : 00~12 : 00
	13 : 00~17 : 00	17 : 00~20 : 00
		22 : 00~23 : 00

9. 교육용(갑)

법령에 의한 학교인정 교육시설(부속병원 제외), 영유아 보육법에 의한 영유아 보육시설, 도서관 및 독서진흥법에 의한 도서관, 박물관 및 미술관 진흥법에 의한 박물관 · 미술관, 과학관 육성법에 의한 과학관에 적용

계약전력 1,000kW 미만의 고객 (적용일자 : 2012년 8월 6일)

구 분		기본요금 (원/kW)	전 력 량 요 금(원/kWh)		
			여름철 (7~8월)	봄·가을철 (3~6,9~10월)	겨울철 (11~2월)
저압전력		5,550	93.60	57.70	81.30
고압A	선택 I	5,880	93.30	57.80	79.80
	선택 II	6,740	89.00	53.50	75.50
고압B	선택 I	5,880	92.60	57.30	79.00
	선택 II	6,740	88.30	53.00	74.70

10. 교육용(을)

법령에 의한 학교인정 교육시설(부속병원 제외), 영유아 보육법에 의한 영유아 보육시설, 도서관 및 독서진흥법에 의한 도서관, 박물관 및 미술관 진흥법에 의한 박물관 · 미술관, 과학관 육성법에 의한 과학관에 적용

계약전력 1,000kW 미만의 고객 (적용일자 : 2012년 8월 6일)

구 분		기본요금 (원/kW)	전력량 요금(원/kWh)			
			시간대	여름철 (7~8월)	봄,가을철 (3~6, 9~10월)	겨울철 (11~2월)
고압A	선택 I	5,880	경 부 하	48.10	48.10	51.90
			중간부하	91.30	62.00	89.80
			최대부하	154.90	81.80	127.20
	선택 II	6,740	경 부 하	43.80	43.80	47.60
			중간부하	87.00	57.70	85.50
			최대부하	150.60	77.50	122.90
고압B	선택 I	5,880	경 부 하	46.60	46.60	50.30
			중간부하	88.60	60.30	87.00
			최대부하	149.40	79.50	123.00
	선택 II	6,740	경 부 하	42.30	42.30	46.00
			중간부하	84.30	56.00	82.70
			최대부하	145.10	75.20	118.70

18 Table for Current Electricity Tariff(Continued)

11. 농사용

농사용전력(갑) : 양곡생산을 위한 관개용의 양수,배수펌프 및 수문조작에 사용하는 전력
농사용전력(을) : 농사용의 육모 또는 전조재배에 사용하는 전력
농사용전력(병) : 기타 농장물 재배 · 축산 · 양잠 · 수산물 양식용 전력, 농수산물 생산자의 농수산물 건조, 농작물 저온보관, 수협 또는 어촌계의 수산물 제빙 냉동시설, 해충구제용(害蟲驅除用) 및 유아용(誘蛾用) 전력에 적용

(적용일자 : 2012년 8월 6일)

구 분		기본요금(원/kW)	전력량 요금(원/kWh)
갑		340	20.60
을		930	26.30
병	저압	1,100	37.30
	고압(A,B)	1,120	38.00

12. 가로등

일반공중의 편익을 위하여 도로 · 교량 · 공원 등에 조명용으로 설치한 전등이나 교통 신호등 · 도로표시등 · 해공로(海空路)표시등 및 기타 이에 준하는 전등(소형기기를 포함)에 적용

(적용일자 : 2012년 8월 6일)

구 분	기본요금(원/kW)	전력량 요금(원/kWh)
갑(정액등)	W당 33.90 (월 최저요금 1,100원)	
을(종량등)	5,690	77.60

13. 심야전력

한전이 인정하는 심야전력 이용기기를 설치하여 전력사용이 적은 심야(밤11시~아침9시)에 열, 온수 또는 얼음을 생산, 저장하였다가 하루 종일 난방, 급탕 또는 냉방에 이용하는 경우 적용

(적용일자 : 2012년 8월 6일)

구 분	기본요금(원/kW)	전력량 요금(원/kWh)	
갑	겨울철 : 69.00, 기타계절 : 50.10 (월 최저요금 : 20kWh에 해당하는 요금)		
을 I	겨울철 : 56.30, 기타계절 : 40.90 (월 최저요금 : 20kWh에 해당하는 요금)		
을 II	6,470원 × 기타시간 사용전력량 / 월간 총사용전력량	심야시간대	겨 울 철 : 56.30 기타계절 : 40.90
		기타시간	79.90
	(월 최저요금 kW당 640원)		

※ 겨울철 : 11월~익년2월, 기타계절 : 3월~10월
※ 심야시간 : 23:00~09:00, 기타시간 : 09:00~23:00

14. 선택요금제도

고객의 전기사용 특성에 따라 고객에게 유리한 요금을 선택할 수 있도록 하는 선진요금제도

(적용일자 : 2007년 4월 1일)

구 분	내 용
선택(I) 요금	기본요금단가가 낮고 전력량요금 단가가 높으므로 전기
	사용시간(설비 가동율)이 적은 고객에게 유리
선택(II) 요금	기본요금단가가 높고 전력량요금 단가가 낮으므로 전기
	사용시간(설비 가동율)이 많은 고객에게 유리
선택(III) 요금	기본요금이 높고 전력량 요금이 낮으므로 전기사용
	시간(설비가동율)이 월 500시간 초과인 고객에게 유리
	단, 산업용(병)고압 B, C 고객만 선택가능

자료 : cyber.kepco.co.kr (한전사이버지점)
Source : cyber.kepco.co.kr

Ⅵ. 해외에너지 통계

World Energy Statistics

1. 주요 에너지 지표

Major Energy Indicators

1-1. OECD 국가별 경제활동별 부가가치(USD, 2010년)
Gross Value added by kind of Economic Activity by OECD Countries(USD, 2010년)

1-2. 세계 에너지 · 경제 통계(2010년)
Energy Indicators by Countries(2010)

1-3. OECD 국가별 에너지 수입(2011년)
Energy Imports by OECD Countries(2011)

1-4. OECD 국가별 에너지 수출(2011년)
Energy Exports by OECD Countries(2011)

1-5. OECD 국가별 최종에너지 소비(부문별, 2010년)
Final Energy Consumption by OECD Countries(by Sector, 2010)

1-6. OECD 국가별 최종에너지 소비(원별, 2010년)
Final Energy Consumption by OECD Countries(by Source, 2010)

1-7. OECD 국가별 신재생에너지 공급 현황(2011년)
Renewable Energies and Waste Supply by OECD Countries(2011)

2. 에너지 통계

Energy Statistic

2-1. 세계 1차에너지 소비
Primary Energy Consumption of World

2-2. 국별 1차에너지 소비(2011년)
Primary Energy Consumption by Countries(2011)

2-3. 지역별 1차에너지소비
Primary Energy Consumption by Region

2-4. 원유 매장량
Proven reserves of Crude Oil

2-5. 국별 원유 생산
Crude Oil Production by Countries

2-6. 국별 석유제품 소비
Petroleum Products Consumption by Countries

2-7. 원유 가격
International Market Prices

2-8. 국별 석유 정제 능력
Refinery Capacities

2-9. 천연가스 매장량
Proven Reserves of LNG

2-10. 국별 천연가스 생산
Natural Gas Production by Countries

2-11. 국별 천연가스 소비
Natural Gas Consumption by Countries

2-12. 석탄 매장량
Proven Reserves of Coal

2-13. 국별 석탄 생산
Coal Production by Countries

2-14. 국별 석탄 소비
Coal Comsumption by Countries

2-15. 국별 원자력 소비
Nuclear Energy Comsumption by Countries

2-16. 국별 수력 소비
Hydro Energy Comsumption by Countries

2-17. 국별 발전 전력량
Electricity Generation by Countries

1 주요 에너지 지표

1-1. OECD 국가별 경제활동별 부가가치(USD,2010년)

단위 : 백만 달러

	산 업 부 문 Industry				
	농림어업 Agriculture, Hunting and Forestry, Fishing	제조업 Manufacturing	건설업 Construction	기타 Others	소계 Sub-total
호주	–	–	–	–	–
오스트리아	4,443.9	54,014.7	15,886.0	7,104.1	81,448.7
벨기에	–	–	–	–	–
캐나다	19,828.9	131,253.7	68,618.5	116,882.4	336,583.5
칠레	–	–	–	–	–
체코	4,759.7	64,565.0	13,390.8	8,634.5	91,350.0
덴마크	2,617.3	21,734.6	6,353.4	6,831.5	37,536.8
에스토니아	819.3	3,412.2	1,113.0	928.0	6,272.5
핀란드	4,906.3	34,332.3	9,654.6	4,142.7	53,035.9
프랑스	–		–	–	–
독일	19,674.2	516,109.0	90,523.9	56,979.5	683,286.6
그리스	–		–	–	–
헝가리	4,979.4	35,106.8	5,108.4	4,345.2	49,539.8
아이스랜드	–		–	–	–
아일랜드	–		–	–	–
이스라엘	–		–	–	–
이탈리아	32,354.8	241,591.0	78,896.8	35,899.6	388,742.2
일본	44,313.5	838,063.8	200,240.9	84,706.5	1,167,324.7
한국	**36,094.1**	**364,549.1**	**78,184.8**	**30,020.4**	**508,848.4**
룩셈부르크	108.7	1,931.0	1,877.5	242.8	4,160.0
멕시코	46,538.3	248,810.3	91,923.5	112,841.7	500,113.8
네덜란드	11,545.6	76,319.8	26,615.3	25,004.2	139,484.9
뉴질랜드	–		–	–	–
노르웨이	3,434.9	19,984.4	8,380.1	45,580.3	77,379.7
폴란드	21,062.8	137,420.7	41,816.9	22,782.7	223,083.1
포르투갈	5,413.0	28,186.5	10,958.5	6,797.5	51,355.5
슬로바키아	3,564.4	22,154.5	7,781.8	4,466.2	37,966.9
슬로베니아	1,035.3	10,247.2	2,821.0	1,471.1	15,574.6
스페인	37,615.0		113,812.2	173,333.2	324,760.4
스웨덴	3,756.7	51,158.2	13,370.5	9,069.6	77,355.0
스위스	–		–	–	–
터키	92,739.0	172,112.1	45,669.5	41,240.4	351,761.1
영국	–	–	–	–	–
미국	139,900.0	1,675,300.0	435,300.0	370,200.0	2,620,700.0

주 : 1) 2005년 불변가격 기준
자료 : OECD

1 Major Energy indicators

1-1.Gross Value added by kind of Economic Activity by OECD Countires(USD,2010)

Unit : Million USD

도소매 및 음식숙박, 운수업등 Wholesale & Retail, Restaurants & Hotel	금융보험,부동산 및 임대업등 Finan. intermediation & Real estate & Renting	기타서비스업 Other Service activities	총부가가치[1)] Gross Value added	국내총생산 GDP(PPP)[1)]	
–	–	–	758,421.8	816,961.9	Australia
61,948.9	68,726.2	55,884.6	267,938.4	296,268.1	Austria
–	–	–	320,046.8	358,267.3	Belgium
241,423.8	305,697.8	233,178.8	1,121,290.7	1,202,022.4	Canada
–	–	–	225,040.1	248,835.8	Chile
55,564.1	37,247.3	32,340.4	226,827.7	248,530.3	Czech Republic
32,102.8	41,190.3	42,974.4	152,976.8	179,626.1	Denmark
4,945.0	4,895.0	3,384.7	19,802.5	22,434.8	Estonia
28,342.8	33,607.4	31,361.5	145,751.6	167,926.0	Finland
–	–	–	1,726,124.6	1,918,665.8	France
445,594.6	768,196.7	585,258.0	2,492,687.8	2,744,847.4	Germany
–	–	–	240,214.3	271,356.3	Greece
29,210.6	33,368.3	32,518.4	145,578.8	169,723.9	Hungary
–	–	–	8,744.4	10,425.0	Iceland
–	–	–	147,013.9	161,045.9	ireland
–	–	–	–	–	Israel
334,740.5	412,449.1	318,082.9	1,478,311.6	1,638,043.3	Italy
892,151.7	664,893.1	1,150,997.7	3,880,048.0	3,946,555.2	Japan
231,632.1	**226,140.4**	**226,446.1**	**1,192,997.6**	**1,322,904.9**	**Korea**
6,473.2	15,494.5	5,354.4	31,100.0	34,816.8	Luxembourg
399,972.4	305,106.9	181,404.0	1,387,931.6	1,406,828.7	Mexico
123,945.9	152,683.7	134,458.8	549,755.0	613,526.4	Netherlands
–	–	–	–	–	New Zealand
39,442.2	39,627.8	45,014.9	201,754.9	229,334.3	Norway
154,718.2	101,711.6	100,358.5	581,952.7	662,271.2	Poland
51,833.6	47,602.1	50,793.0	202,612.4	230,460.1	Portugal
24,417.1	20,430.4	16,556.3	99,664.8	109,461.7	Slovak Republic
9,990.0	10,437.7	45,075.8	51,286.2	35,607.0	Slovenia
286,497.4	249,616.7	259,527.5	1,114,359.0	1239,334.9	Spain
55,369.7	71,849.8	72,131.6	279,825.6	320,031.8	Sweden
–	–	–	288,654.3	305,735.6	Switzerland
290,886.6	216,273.3	121,626.1	980,547.0	1,098,799.3	Turkey
–	–	–	1,821,500.9	2,043,064.4	United Kingdom
2,270,600.0	4,056,800.0	3,110,400.0	12,057,900.0	13,017,000.0	United States

Note : 1) Based on 2005 constant prices
Source : OECD

1-2. 세계 에너지 · 경제통계(2010년)

	인 구 Population	GDP	GDP (PPP)	에너지 생산 Energy prod.	에너지 순수입 Net Imports	1차에너지 소비 TPES	최종에너지 소비 FEC	전력소비 Electricity Consumption		가정에너지 소비 Residen. Energy Con.	수송에너지 소비 Transport. Energy Con.	CO_2 배출량 CO_2 Emiss.
	mil.person	bil. USD(2005)		bil.toe				TWh	bil. toe	bil. toe		Mt of CO_2
세 계	**6,825**	**50,942**	**68,431**	**12,789**	**0**	**12,717**	**8,677**	**19,738**	**1,536**	**2,073**	**2,370**	**30,326**
O E C D	1,232	37,494	37,113	3,879	1,672	5,406	3,691	10,246	807	734	1,180	12,440
중 동	205	1,196	2,346	1,635	-1,024	606	396	715	56	77	115	1,547
비OECD유럽 및 유라시아	338	1,533	3,514	1,769	-629	1,132	714	1,492	104	189	143	2,606
중 국(홍콩포함)	1,645	4,053	9,417	2,209	367	2,431	1,521	3,980	300	357	184	7,311
아 시 아(중국제외)	2,229	3,217	9,072	1,360	231	1,524	1,065	1,796	146	351	181	3,331
비OECD아 메 리 카	455	2,197	4,200	769	-172	583	433	907	74	72	138	1,065
아 프 리 카	1,022	1,252	2,769	1,168	-468	682	503	603	48	293	75	930
알 바 니 아	3.20	10.73	24.57	1.62	0.56	2.08	1.96	5.67	0.49	0.49	0.74	3.76
알 제 리	35.47	115.79	266.75	150.52	-109.00	40.37	27.03	36.40	2.88	6.50	11.39	98.57
앙 골 라	19.08	54.05	105.89	98.92	-82.90	13.67	10.93	4.73	0.38	6.23	2.53	16.62
아 르 헨 티 나	40.41	253.74	580.43	78.85	-2.01	74.63	53.73	117.38	9.70	12.25	15.00	170.24
아 르 메 니 아	3.09	5.91	15.15	0.87	1.70	2.45	1.79	4.97	0.40	0.54	0.50	4.04
호 주	22.55	874.48	824.79	310.62	-185.63	124.73	75.28	226.96	-	10.16	28.62	383.48
오 스 트 리 아	8.39	327.21	296.83	11.76	21.37	33.84	27.65	70.11	-	6.90	8.03	69.34
아 제 르 바 이 잔	9.05	28.33	80.70	65.44	-52.67	11.84	6.82	14.52	1.07	3.02	1.77	24.67
바 레 인	1.26	17.73	26.79	17.72	-6.80	9.78	5.34	12.38	1.04	0.60	1.23	23.62
방 글 라 데 시	148.69	81.47	221.30	25.81	5.69	31.05	22.90	41.47	3.39	12.15	2.98	52.98
벨 라 루 스	9.49	42.90	118.57	4.19	23.39	27.73	19.93	33.82	2.53	6.38	2.70	65.33
벨 기 에	10.88	399.92	357.48	16.04	54.27	60.86	41.68	91.39	-	8.97	8.69	106.43
베 냉	8.85	5.25	12.60	2.05	1.76	3.65	3.21	0.88	0.07	1.78	1.06	4.50
볼 리 비 아	9.93	11.95	43.19	16.74	-9.37	7.32	5.77	6.12	0.52	1.39	2.36	14.06
보스니아헤르체고비나	3.76	12.60	27.62	4.37	1.95	6.40	3.18	11.69	0.89	0.82	1.08	19.91
보 츠 와 나	2.01	11.85	25.01	1.10	1.18	2.26	1.87	3.18	0.27	0.59	0.68	4.60
브 라 질	194.95	1,092.73	1,960.36	246.37	24.84	265.62	210.61	464.70	37.66	23.65	69.99	387.66
브 루 나 이	0.40	9.99	18.41	18.56	-15.30	3.31	1.70	3.49	0.29	0.14	0.40	8.21

자료 : IEA, Key World Energy Statistics 2012, Energy Balances of OECD Countries 2012.

1-2. Energy Indicators by Countries(2010)

1인당 에너지소비 Energy Consumption per Capita		전력소비/최종에너지소비 Elec.Cons./FEC	TPES /GDP	TPES /GDP (PPP)	CO_2 /TPES	CO_2/Pop.	CO_2/GDP	CO_2/GDP (PPP)	
1차에너지 TPES	전력소비 Electricity								
toe/capita	kWh/capita	%	toe/000 2005 USD		tCO_2/toe	tCO_2/capita	$kgCO_2$/2005USD		
1.86	**2,892.00**	**17.70**	**0.25**	**0.19**	**2.38**	**4.44**	**0.60**	**0.44**	**World**
4.39	8,315.00	21.86	0.14	0.15	2.30	10.10	0.33	0.34	OECD
2.96	3,493.00	14.25	0.51	0.26	2.55	7.56	1.29	0.66	Middle East
3.35	4,414.00	14.59	0.74	0.32	2.30	7.71	1.70	0.74	Non-OECD Europe and Eurasia
1.81	2,958.00	19.76	0.60	0.26	3.01	5.43	1.80	0.78	China (P.R. of China and Hong Kong)
0.68	806.00	13.72	0.47	0.17	2.19	1.49	1.04	0.37	Asia(excluding China)
1.28	1,992.00	17.03	0.27	0.14	1.83	2.34	0.48	0.25	Non-OECD Americas
0.67	591.00	9.55	0.54	0.25	1.36	0.91	0.74	0.34	Africa
0.65	1,771.00	24.92	0.19	0.08	1.81	1.17	0.35	0.15	Albania
1.14	1,026.00	10.65	0.35	0.15	2.44	2.78	0.85	0.37	Algeria
0.72	248.00	3.49	0.25	0.13	1.22	0.87	0.31	0.16	Angola
1.85	2,904.00	18.05	0.29	0.13	2.28	4.21	0.67	0.29	Argentina
0.79	1,606.00	22.44	0.41	0.16	1.65	1.31	0.68	0.27	Armenia
5.53	10,063.00	–	0.14	0.15	3.07	17.00	0.44	0.46	Australia
4.03	8,358.00	–	0.10	0.11	2.05	8.27	0.21	0.23	Austria
1.31	1,605.00	15.62	0.42	0.15	2.08	2.73	0.87	0.31	Azerbaijan
7.75	9,813.00	19.55	0.55	0.37	2.41	18.71	1.33	0.88	Bahrain
0.21	279.00	14.79	0.38	0.14	1.17	0.36	0.65	0.24	Bangladesh
2.29	3,563.00	12.68	0.65	0.23	2.36	6.88	1.52	0.55	Belarus
5.59	8,397.00	–	0.15	0.17	1.75	9.78	0.27	0.30	Belgium
0.41	99.00	2.24	0.70	0.29	1.23	0.51	0.86	0.36	Benin
0.74	616.00	8.95	0.61	0.17	1.92	1.42	1.18	0.33	Bolivia
1.70	3,110.00	28.03	0.51	0.23	3.11	5.29	1.58	0.72	Bosnia and Herzegovina
1.13	1,586.00	14.37	0.19	0.09	2.03	2.29	0.39	0.18	Botswana
1.36	2,384.00	17.88	0.24	0.14	1.46	1.99	0.35	0.20	Brazil
8.31	8,757.00	16.81	0.33	0.18	2.48	20.58	0.82	0.45	Brunei Darrussalam

Sources : IEA, Key World Energy Statistics 2012, Energy Balances of OECD Countries 2012.

1-2. 세계 에너지 · 경제통계(2010년)(계속)

	인 구 Population	GDP	GDP (PPP)	에너지 생산 Energy prod.	에너지 순수입 Net Imports	1차에너지 소비 TPES	최종에너지 소비 FEC	전력소비 Electricity Consumption		가정에너지 소비 Residen. Energy Con.	수송에너지 소비 Transport. Energy Con.	CO_2 배출량 CO_2 Emiss.
	mil.person	bil. USD(2005)		bil.toe				TWh	bil. toe	bil. toe		Mt of CO_2
불가리아	7.54	32.95	86.65	10.57	7.27	17.86	9.08	33.73	2.33	2.22	2.70	43.83
캄보디아	14.14	8.69	27.83	3.62	1.44	5.02	4.26	2.07	0.18	2.67	0.63	3.76
카메룬	19.60	19.20	40.34	8.41	-1.48	7.11	5.82	5.32	0.42	4.08	0.89	5.03
캐나다	34.11	1,203.89	1,202.02	397.83	-1,479.72	251.84	195.98	516.59	-	30.98	59.49	536.63
칠레	17.09	138.70	232.68	9.21	22.27	30.92	23.82	56.43	-	5.30	7.14	69.71
중국	1,338.30	3,837.73	9,122.24	2,208.96	335.74	2,417.13	1,512.22	3,937.92	296.79	355.82	182.36	7,269.85
타이완	23.18	446.36	274.34	12.96	100.42	109.28	67.71	237.33	18.78	5.65	12.16	270.22
콜롬비아	46.30	183.19	392.93	105.46	-71.75	32.24	22.42	46.87	4.11	4.92	7.37	60.67
콩고	4.04	7.85	15.40	17.32	-15.64	1.47	1.09	0.59	0.04	0.57	0.47	1.66
콩고민주공화국	65.97	9.28	20.53	24.08	-0.17	23.76	22.72	6.28	0.54	17.08	0.26	3.07
코스타리카	4.66	24.77	48.35	2.44	2.39	4.65	3.46	8.64	0.74	0.65	1.52	6.54
코트디부아르	19.74	18.33	33.63	10.45	-0.90	9.57	5.24	4.14	0.37	3.73	0.42	5.81
크로아티아	4.42	46.90	71.32	4.22	4.49	8.54	6.89	16.85	1.36	1.58	2.01	19.03
쿠바	11.26	54.98	62.31	5.28	5.87	10.98	6.23	14.63	1.18	1.08	0.50	30.03
키프로스	0.80	19.18	20.87	0.09	2.93	2.44	1.72	5.16	0.42	0.30	0.76	7.22
체코	10.52	148.58	248.64	31.62	11.41	44.11	27.06	66.50	-	6.62	5.92	114.48
덴마크	5.55	256.13	178.81	23.33	-3.65	19.25	14.96	35.10	-	4.90	4.34	47.02
도미나카공화국	9.93	47.90	83.26	1.94	6.48	8.34	5.67	14.32	1.19	2.07	1.81	18.55
에콰도르	14.47	44.02	104.16	27.37	-14.18	12.10	9.53	15.26	1.21	1.86	4.91	30.10
이집트	81.12	121.04	449.70	88.38	-14.06	73.26	49.54	130.44	10.76	11.08	12.97	177.60
엘살바도르	6.19	18.35	37.04	2.26	2.02	4.19	2.57	5.30	0.43	0.76	0.86	5.87
에리트레아	5.25	1.06	2.57	0.58	0.16	0.74	0.52	0.27	0.02	0.40	0.05	0.49
에스토니아	1.34	13.90	22.27	4.93	0.85	5.57	2.91	8.66	-	1.03	0.75	18.47
에티오피아	82.95	20.15	77.46	31.43	2.12	33.20	31.32	4.50	0.33	29.39	0.88	5.37
핀란드	5.36	205.30	168.93	17.31	18.03	36.40	26.67	88.40	-	5.76	4.38	62.92
프랑스	64.85	2,208.62	1,923.46	135.57	132.09	262.29	162.81	502.94	-	44.05	44.27	357.81
가봉	1.51	9.87	20.32	14.30	-12.55	2.13	1.88	1.51	0.12	1.02	0.20	2.65
그루지야	4.45	8.25	20.26	1.31	1.85	3.12	2.62	7.76	0.63	1.04	0.76	4.94
독일	81.76	2,945.78	2,732.53	131.35	203.11	327.37	226.75	590.06	-	62.03	53.05	761.58
가나	24.39	14.75	35.97	6.73	2.82	9.32	7.48	7.26	0.59	3.71	1.65	9.49

자료 : IEA, Key World Energy Statistics 2012, Energy Balances of OECD Countries 2012.

1-2. Energy Indicators by Countries(2010)(Continued)

1인당 에너지소비 Energy Consumption per Capita		전력소비/최종에너지소비 Elec.Cons./FEC	TPES /GDP	TPES /GDP (PPP)	CO_2 /TPES	CO_2/Pop.	CO_2/GDP	CO_2/GDP (PPP)	
1차에너지 TPES	전력소비 Electricity								
toe/capita	kWh/capita	%	toe/000 2005 USD		tCO_2/toe	tCO_2/capita	$kgCO_2$/2005USD		
2.37	4,471.00	25.68	0.54	0.21	2.45	5.81	1.33	0.51	Bulgaria
0.36	146.00	4.11	0.58	0.18	0.75	0.27	0.43	0.13	Cambodia
0.36	271.00	7.18	0.37	0.18	0.71	0.26	0.26	0.12	Cameroon
7.38	15,145.00	–	0.21	0.21	2.13	15.73	0.45	0.45	Canada
1.81	3,301.00	–	0.22	0.13	2.25	4.08	0.50	0.30	Chile
1.81	2,942.00	19.63	0.63	0.26	3.01	5.43	1.89	0.80	People's Rep. of China
4.71	10,237.00	27.73	0.24	0.15	2.47	11.66	0.61	0.36	Chinese Taipei
0.70	1,012.00	18.32	0.18	0.08	1.88	1.31	0.33	0.15	Colombia
0.36	145.00	3.96	0.19	0.10	1.13	0.41	0.21	0.11	Congo
0.36	95.00	2.37	2.56	1.16	0.13	0.05	0.33	0.15	Dem.Rep. of Congo
1.00	1,855.00	21.28	0.19	0.10	1.41	1.40	0.26	0.14	Costa Rica
0.48	210.00	7.00	0.52	0.28	0.61	0.29	0.32	0.17	Costa d'Ieoire
1.93	3,808.00	19.80	0.18	0.12	2.23	4.30	0.41	0.27	Croatia
0.98	1,299.00	18.94	0.20	0.18	2.73	2.67	0.55	0.48	Cuba
3.04	6,426.00	24.38	0.13	0.12	2.95	8.99	0.38	0.35	Cyprus
4.19	6,323.00	–	0.30	0.18	2.60	10.89	0.77	0.46	Czech Republic
3.47	6,329.00	–	0.08	0.11	2.44	8.48	0.18	0.26	Denmark
0.84	1,442.00	20.92	0.17	0.10	2.22	1.87	0.39	0.22	Dominican Republic
0.84	1,055.00	12.70	0.27	0.12	2.49	2.08	0.68	0.29	Ecuador
0.90	1,608.00	21.73	0.61	0.16	2.42	2.19	1.47	0.39	Egypt
0.68	855.00	16.81	0.23	0.11	1.40	0.95	0.32	0.16	El Salvador
0.14	52.00	4.27	0.70	0.29	0.66	0.09	0.47	0.19	Eritrea
4.16	6,465.00	–	0.40	0.25	3.32	13.79	1.33	0.83	Estonia
0.40	54.00	1.05	1.65	0.43	0.16	0.06	0.27	0.07	Ethiopia
6.79	16,484.00	–	0.18	0.22	1.73	11.73	0.31	0.37	Finland
4.04	7,756.00	–	0.12	0.14	1.36	5.52	0.16	0.19	France
1.42	1,005.00	6.34	0.22	0.11	1.24	1.76	0.27	0.13	Gabon
0.70	1,743.00	23.98	0.38	0.15	1.58	1.11	0.60	0.24	Georgia
4.00	7,217.00	–	0.11	0.12	2.33	9.32	0.26	0.28	Germany
0.38	298.00	7.89	0.63	0.26	1.02	0.39	0.64	0.26	Ghana

Sources : IEA, Key World Energy Statistics 2012, Energy Balances of OECD Countries 2012.

1-2. 세계 에너지 · 경제통계(2010년)(계속)

	인 구 Population	GDP	GDP (PPP)	에너지 생산 Energy prod.	에너지 순수입 Net Imports	1차에너지 소비 TPES	최종에너지 소비 FEC	전력소비 Electricity Consumption		가정에너지 소비 Residen. Energy Con.	수송에너지 소비 Transport. Energy Con.	CO_2 배출량 CO_2 Emiss.
	mil.person	bil. USD(2005)		bil.toe				TWh	bil. toe	bil. toe		Mt of CO_2
지브롤터	0.03	1.05	0.91	0.00	2.61	0.17	0.14	0.18	0.01	0.00	0.11	0.52
그리스	11.31	243.23	273.92	9.45	21.30	27.62	19.47	59.32	–	4.63	7.48	84.28
과테말라	14.39	32.54	61.76	7.54	3.05	10.26	8.48	8.16	0.67	5.51	1.90	1,031.00
아이티	9.99	4.32	9.96	1.61	0.70	2.29	2.07	0.24	0.02	1.32	0.36	2.13
온두라스	7.60	11.58	26.74	2.22	2.40	4.57	3.75	5.10	0.44	1.81	1.00	7.30
홍콩	7.07	215.62	294.83	0.05	31.68	13.79	8.32	41.87	3.60	1.34	1.85	41.47
헝가리	10.00	109.27	169.58	11.05	15.11	25.67	18.12	38.77	–	5.74	4.12	48.95
아이슬란드	0.32	16.40	10.42	4.43	1.09	5.37	2.94	16.36	–	0.51	0.28	1.92
인도	1,170.94	1,246.73	3,762.86	518.67	181.44	692.69	457.49	754.61	61.12	172.25	55.49	1,625.79
인도네시아	239.87	377.28	930.65	381.45	-172.61	207.85	156.45	153.83	12.73	57.93	35.89	410.94
이란	73.97	230.67	773.05	349.12	-135.38	208.37	157.18	196.20	16.00	46.69	41.11	509.00
이라크	32.32	38.84	102.34	126.05	-87.48	37.80	20.87	37.90	3.26	5.88	10.05	104.50
아일랜드	4.48	202.33	161.05	1.98	13.04	14.40	11.24	26.96	–	3.18	3.91	38.66
이스라엘	7.62	164.14	198.17	3.85	20.18	22.91	14.81	52.27	–	3.39	4.05	68.06
이탈리아	60.48	1,765.29	1,637.93	29.79	148.21	170.24	129.77	325.65	–	31.39	38.51	398.47
자메이카	2.70	11.14	18.60	0.46	2.81	3.05	2.09	3.30	0.28	0.32	0.93	7.96
일본	127.38	4,578.55	3,895.26	96.79	409.22	496.85	324.58	1,069.84	–	49.69	76.95	1,143.07
요르단	6.05	16.74	31.19	0.27	7.43	7.20	4.61	13.46	1.11	1.02	1.75	18.63
카자흐스탄	16.32	77.25	178.18	156.75	-79.79	75.01	43.72	77.17	4.94	6.25	4.71	232.12
케냐	40.51	23.45	60.01	15.78	4.28	19.56	12.88	6.32	0.54	9.85	1.57	10.89
한국	48.88	1,017.57	1,320.93	44.92	221.05	250.01	157.44	481.47	–	19.86	29.91	563.08
북한	24.35	27.56	103.45	20.70	-2.17	18.53	16.06	18.25	1.39	0.02	0.30	62.99
코소보	1.82	4.83	12.12	1.86	0.54	2.44	1.20	4.71	0.35	0.46	0.32	8.47
쿠웨이트	2.74	90.04	123.07	133.93	-99.66	33.40	13.33	50.14	3.18	2.26	3.97	87.39
키르기스스탄	5.37	3.03	10.94	1.18	2.15	2.92	2.61	7.49	0.62	0.13	0.88	6.98
라트비아	2.24	15.50	29.02	2.11	1.99	4.41	4.21	6.78	0.53	1.51	1.08	8.08
레바논	4.23	29.99	53.35	0.21	6.51	6.45	3.94	15.09	1.30	1.01	1.74	18.62
리비아	6.36	54.52	100.19	88.55	-69.05	19.15	10.93	27.14	2.01	1.51	4.02	51.61
리투아니아	3.32	27.35	51.11	1.52	5.64	6.93	5.42	10.75	0.72	1.58	1.50	13.35
룩셈부르크	0.51	41.30	34.85	0.13	4.51	4.23	3.89	8.53	–	0.49	2.19	10.61

자료 : IEA, Key World Energy Statistics 2012, Energy Balances of OECD Countries 2012.

1-2. Energy Indicators by Countries (2010)(Continued)

1인당에너지소비 Energy Consumption per Capita		전력소비/최종에너지소비 Elec.Cons./FEC	TPES /GDP	TPES /GDP (PPP)	CO_2 /TPES	CO_2/Pop.	CO_2/GDP	CO_2/GDP (PPP)	
1차에너지 TPES	전력소비 Electricity								
toe/capita	kWh/capita	%	toe/000 2005 USD		CO_2/toe	tCO_2/capita	$kgCO_2$/2005USD		
5.51	5,710.00	9.79	0.16	0.19	3.06	16.86	0.50	0.58	Gibraltar
2.44	5,245.00	0.00	0.11	0.10	3.05	7.45	0.35	0.31	Greece
0.71	567.00	7.90	0.32	0.17	1.01	0.72	0.32	0.17	Guatemala
0.23	24.00	0.96	0.53	0.23	0.93	0.21	0.49	0.21	Haiti
0.60	671.00	11.69	0.39	0.17	1.60	0.96	0.63	0.27	Honduras
1.95	5,923.00	43.29	0.06	0.05	3.01	5.87	0.19	0.14	Hong Kong(China)
2.57	3,877.00	–	0.23	0.15	1.91	4.89	0.45	0.29	Hungary
16.88	51,447.00	–	0.33	0.52	0.36	6.04	0.12	0.18	Iceland
0.59	644.00	13.36	0.56	0.18	2.35	1.39	1.30	0.43	India
0.87	641.00	8.13	0.55	0.22	1.98	1.71	1.09	0.44	Indonesia
2.82	2,652.00	10.18	0.90	0.27	2.44	6.88	2.21	0.66	Islamic Rep. of Iran
1.17	1,172.00	15.62	0.97	0.37	2.76	3.23	2.69	1.02	Iraq
3.22	6,023.00	–	0.07	0.09	2.69	8.64	0.19	0.24	Ireland
3.01	6,858.00	–	0.14	0.12	2.97	8.93	0.41	0.34	Israel
2.81	5,384.00	–	0.10	0.10	2.34	6.59	0.23	0.24	Italy
1.13	1,222.00	13.34	0.27	0.16	2.60	2.94	0.71	0.43	Jamaica
3.90	8,399.00	–	0.11	0.13	2.30	8.97	0.25	0.29	Japan
1.19	2,226.00	23.97	0.43	0.23	2.59	3.08	1.11	0.60	Jordan
4.60	4,730.00	11.29	0.97	0.42	3.09	14.23	3.00	1.30	Kazakhstan
0.48	156.00	4.18	0.83	0.33	0.56	0.27	0.46	0.18	Kenya
5.12	9,851.00	–	0.25	0.19	2.25	11.52	0.55	0.43	Korea
0.76	749.00	8.67	0.67	0.18	3.40	2.59	2.29	0.61	DPR of Korea
1.34	2,592.00	29.52	0.50	0.20	3.47	4.66	1.75	0.70	Kosovo
12.20	18,318.00	23.83	0.37	0.27	2.62	31.93	0.97	0.71	Kuwait
0.54	1,396.00	23.84	0.96	0.27	2.39	1.30	2.31	0.64	Kyrgyzstan
1.97	3,021.00	12.68	0.28	0.15	1.83	3.60	0.52	0.28	Latvia
1.53	3,569.00	32.99	0.22	0.12	2.89	4.40	0.62	0.35	Labanon
3.01	4,270.00	18.38	0.35	0.19	2.70	8.12	0.95	0.52	Libya
2.09	3,237.00	13.23	0.25	0.14	1.93	4.02	0.49	0.26	Lithuania
8.36	16,866.00	–	0.10	0.12	2.51	20.98	0.26	0.30	Luxembourg

Sources : IEA, Key World Energy Statistics 2012, Energy Balances of OECD Countries 2012.

1-2. 세계 에너지 · 경제통계(2010년)(계속)

	인 구 Population	GDP	GDP (PPP)	에너지 생산 Energy prod.	에너지 순수입 Net Imports	1차에너지 소비 TPES	최종에너지 소비 FEC	전력소비 Electricity Consumption		가정에너지 소비 Residen. Energy Con.	수송에너지 소비 Transport. Energy Con.	CO_2 배출량 CO_2 Emiss.
	mil.person	bil. USD(2005)		bil.toe				TWh	bil. toe	bil. toe		Mt of CO_2
마케도니아	2.06	7.06	18.95	1.62	1.27	2.89	1.82	7.40	0.54	0.54	0.45	8.21
말레이시아	28.40	171.82	375.29	85.88	-11.11	72.65	43.33	116.94	4.36	4.36	14.43	185.00
몰타	0.41	6.67	9.48	-	2.39	0.84	0.36	1.73	0.06	0.06	0.18	2.47
멕시코	108.29	920.02	1,406.83	226.36	-43.70	178.11	113.45	225.76	-	17.84	51.85	416.91
몰도바	3.56	3.50	9.94	0.10	2.48	2.60	1.83	3.74	0.94	0.94	0.34	6.11
몽골	2.76	3.45	9.98	14.97	-11.14	3.28	2.28	4.22	0.69	0.69	0.48	11.87
몬테네그로	0.63	2.80	6.42	0.70	0.12	0.82	0.44		0.14	0.14	0.06	2.09
모로코	31.95	75.55	137.29	0.89	16.43	16.51	12.48	3.50	2.67	2.67	3.50	45.95
모잠비크	23.39	9.35	19.77	12.49	-2.22	10.20	8.22	24.96	5.97	5.97	0.56	2.50
미얀마	47.96	20.53	839.06	22.53	-8.64	14.00	12.89	10.38	10.40	10.40	0.81	8.00
나미비아	2.28	8.89	13.26	0.32	1.33	1.60	1.52	6.29	0.21	0.21	0.60	3.33
네팔	29.96	10.07	32.22	8.98	1.32	10.22	10.13	3.38	8.85	8.85	0.63	3.65
네덜란드	16.61	685.08	614.73	69.76	31.16	83.43	64.77	2.78	-	11.52	11.53	187.00
네덜란드령앤틸리스제도	0.20	2.68	2.40	-	3.56	1.68	0.81	116.47	0.07	0.07	0.41	3.82
뉴질랜드	4.38	121.30	112.23	16.86	2.85	18.20	12.77	1.08	-	1.51	4.61	30.86
니카라과	5.79	5.82	15.13	1.73	1.33	3.14	2.23	41.78	1.08	1.08	0.57	4.46
나이지리아	158.42	155.22	338.31	258.36	-145.39	113.05	104.50	2.74	84.78	84.78	6.58	45.90
노르웨이	4.89	316.69	229.33	205.51	-172.31	32.45	21.40	21.62	-	4.33	4.85	39.17
오만	2.78	41.41	68.52	72.14	-53.08	20.00	7.73	123.09	0.90	0.90	2.17	40.27
파키스탄	173.59	134.80	418.51	64.30	20.30	84.59	69.83	16.51	33.74	33.74	11.39	134.64
파나마	3.52	22.37	42.93	0.84	5.60	3.77	3.02	79.27	0.70	0.70	1.17	8.40
파라과이	6.46	9.74	30.00	7.10	-2.38	4.79	4.31	6.44	1.31	1.31	1.47	4.69
페루	29.08	112.19	248.76	19.40	-2.39	19.40	14.90	7.32	3.89	3.89	5.60	41.94
필리핀	93.26	131.13	332.06	23.42	18.52	40.48	23.82	32.15	6.12	6.12	8.04	76.43
폴란드	38.19	382.76	662.57	67.39	32.09	101.45	69.69	59.94	-	21.00	16.93	305.10
포르투갈	10.64	196.13	230.46	5.58	18.83	23.54	18.96	144.45	-	2.87	6.44	48.15
카타르	1.76	102.56	135.99	174.10	-150.29	22.51	13.29	52.43	0.58	0.58	3.07	66.09
루마니아	21.44	114.35	234.35	27.44	7.49	34.99	23.60	26.38	8.10	8.10	4.81	75.56
러시아	141.75	905.23	2,010.38	1,293.05	-579.10	701.52	445.76	51.29	111.46	111.46	96.49	1,581.37
사우디아라비아	27.45	359.75	559.24	538.05	-391.35	169.30	105.36	218.68	10.84	10.84	35.26	445.95

자료 : IEA, Key World Energy Statistics 2012, Energy Balances of OECD Countries 2012.

1-2. Energy Indicators by Countries(2010)(Continued)

1인당 에너지소비 Energy Consumption per Capita		전력소비/최종에너지소비 Elec.Cons./FEC	TPES /GDP	TPES /GDP (PPP)	CO_2 /TPES	CO_2/Pop.	CO_2/GDP	CO_2/GDP (PPP)	
1차에너지 TPES	전력소비 Electricity								
toe/capita	kWh/capita	%	toe/000 2005 USD		CO_2/toe	tCO_2/capita	$kgCO_2$/2005USD		
1.40	3,590.00	29.63	0.41	0.15	2.84	3.99	1.16	0.43	FYR of Macedonia
2.56	4,117.00	10.07	0.42	0.19	2.55	6.51	1.08	0.49	Malaysia
2.03	4,182.00	17.78	0.13	0.09	2.95	5.99	0.37	0.26	Malta
1.64	2,085.00	–	0.19	0.13	2.34	3.85	0.45	0.30	Mexico
0.73	1,049.00	51.34	0.74	0.26	2.35	1.72	1.75	0.62	Repubic of Moldova
1.19	1,530.00	30.21	0.95	0.33	3.62	4.31	3.44	1.19	Mongolia
1.30	5,552.00	30.70	0.29	0.13	2.54	3.31	0.75	0.33	Montenegro
0.52	781.00	21.42	0.22	0.12	2.78	1.44	0.61	0.33	Morocco
0.44	444.00	72.58	1.09	0.52	0.25	0.11	0.27	0.13	Mzambigue
0.29	131.00	80.69	0.68	0.02	0.57	0.17	0.39	0.01	Myanmar
0.70	1,479.00	13.72	0.18	0.12	2.07	1.46	0.37	0.25	Namibia
0.34	93.00	87.35	1.02	0.32	0.36	0.12	0.36	0.11	Nepal
5.02	7,011.00	–	0.12	0.14	2.24	11.26	0.27	0.30	Netherland
8.36	5,388.00	8.35	0.63	0.70	2.27	18.99	1.43	1.59	Netherlands Antilles
4.15	9,531.00	–	0.15	0.16	1.70	7.04	0.25	0.27	New Zealand
0.54	473.00	48.61	0.54	0.21	1.42	0.77	0.77	0.29	Nicaragua
0.71	136.00	81.13	0.73	0.33	0.41	0.29	0.30	0.14	Nigeria
6.64	25,177.00	–	0.10	0.14	1.21	8.01	0.12	0.17	Norway
7.19	5,934.00	11.67	0.48	0.29	2.01	14.47	0.97	0.59	Oman
0.49	457.00	48.31	0.63	0.20	1.59	0.78	1.00	0.32	Pakistan
1.07	1,832.00	23.18	0.17	0.09	2.23	2.39	0.38	0.20	Panama
0.74	1,134.00	30.31	0.49	0.16	0.98	0.73	0.48	0.16	Pataguay
0.67	1,106.00	26.12	0.17	0.08	2.16	1.44	0.37	0.17	Peru
0.43	643.00	25.71	0.31	0.12	1.89	0.82	0.58	0.23	Philippines
2.66	3,783.00	–	0.27	0.15	3.01	7.99	0.80	0.46	Poland
2.21	4,929.00	–	0.12	0.10	2.05	4.53	0.25	0.21	Portugal
12.80	14,995.00	4.39	0.22	0.17	2.94	37.57	0.64	0.49	Qatar
1.63	2,392.00	34.32	0.31	0.15	2.16	3.52	0.66	0.32	Romania
4.95	6,460.00	25.00	0.77	0.35	2.25	11.16	1.75	0.79	Russian Federation
6.17	7,967.00	10.29	0.47	0.30	2.63	16.25	1.24	0.80	Saudi Arabia

Sources : IEA, Key World Energy Statistics 2012, Energy Balances of OECD Countries 2012.

1-2. 세계 에너지 · 경제통계(2010년)(계속)

	인 구 Population	GDP	GDP (PPP)	에너지 생산 Energy prod.	에너지 순수입 Net Imports	1차에너지 소비 TPES	최종에너지 소비 FEC	전력소비 Electricity Consumption		가정에너지 소비 Residen. Energy Con.	수송에너지 소비 Transport. Energy Con.	CO_2 배출량 CO_2 Emiss.
	mil.person	bil. USD(2005)		bil.toe				TWh	bil. toe	bil. toe		Mt of CO_2
세네갈	12.43	10.32	21.58	1.62	2.06	3.38	2.25	2.43	0.20	1.13	0.66	5.47
세르비아	7.29	27.86	70.04	10.60	5.23	15.61	9.58	31.78	2.37	3.08	2.20	46.05
싱가포르	5.08	168.35	263.83	0.40	77.77	32.77	23.72	42.17	3.63	0.68	2.83	62.93
슬로바키아	5.43	60.06	109.26	6.20	11.36	17.81	11.42	28.04	-	2.31	2.58	35.00
슬로베니아	2.05	39.03	51.32	3.71	3.58	7.21	5.14	13.36	-	1.28	1.76	15.32
남아프리카	49.99	288.46	473.77	162.41	-17.07	136.87	61.44	240.09	18.39	14.74	13.23	346.84
스페인	46.07	1,181.88	1,242.46	34.24	106.84	127.74	93.70	283.56	-	16.44	33.89	268.32
스리랑카	20.86	33.25	95.02	5.54	4.10	9.87	8.93	9.28	0.79	3.72	2.31	13.34
수단	43.55	38.96	88.13	34.94	-17.19	16.15	10.67	6.13	0.53	5.09	2.26	13.70
스웨덴	9.38	400.03	318.76	33.50	19.68	51.28	35.23	140.10	-	7.56	7.81	47.57
스위스	7.79	411.66	294.12	12.64	14.95	26.21	21.05	63.97	-	6.46	6.03	43.83
시리아	20.45	36.61	96.93	27.67	-4.38	21.73	13.62	38.96	2.89	2.89	4.09	57.76
타지키스탄	6.88	3.19	13.35	1.51	0.83	2.31	2.01	13.79	1.19	0.26	0.10	2.73
탄자니아	44.84	19.71	56.24	18.68	1.52	20.08	17.43	3.49	0.32	12.62	1.00	5.98
태국	69.12	210.09	530.37	70.56	51.45	117.43	84.58	155.07	12.84	11.29	19.49	248.45
토고	6.03	2.46	5.40	2.23	0.53	2.69	1.67	0.68	0.06	1.15	0.31	1.17
트리니다드토바고	1.34	18.76	30.96	44.96	-23.58	21.35	15.84	7.91	0.68	0.38	1.05	42.79
튀니지	10.55	40.50	90.37	8.08	1.70	9.63	7.14	14.24	1.19	1.92	2.01	21.95
터키	72.85	564.32	912.80	32.23	73.91	105.13	77.60	180.21	-	22.45	14.63	265.88
투르크메니스탄	5.04	13.41	37.42	46.29	-24.66	21.31	12.20	12.12	0.79	0.17	1.65	52.68
우크라이나	45.87	90.58	276.55	76.00	42.17	130.50	73.79	162.83	11.53	25.22	11.64	266.59
UAE	7.51	211.22	318.14	176.29	-97.09	62.13	45.20	82.96	6.82	2.87	8.65	154.00
영국	62.18	2,337.59	2,020.94	148.77	60.63	202.51	137.91	356.96	-	44.59	41.26	483.52
미국	310.11	13,017.00	13,017.00	1,724.51	533.57	2,216.32	1,500.18	4,143.40	-	268.28	583.44	5,368.63
우루과이	3.36	23.49	43.31	2.04	2.56	4,017.00	3.61	9.28	0.78	0.76	0.99	6.45
우즈베키스탄	28.16	21.49	78.65	55.15	-11.36	43.79	31.10	47.08	3.67	12.32	3.06	100.22
베네수엘라	28.83	174.55	316.40	192.71	-116.30	76.95	45.18	94.77	7.12	4.68	16.59	183.04
베트남	86.94	74.29	249.92	65.87	-7.28	59.23	48.52	89.94	7.48	16.02	10.14	130.46
예멘	24.05	20.73	57.12	19.77	-11.98	7.17	5.18	5.98	0.43	1.01	2.14	21.65
잠비아	12.93	9.80	18.11	7.48	0.64	8.12	6.24	8.06	0.67	4.45	0.22	1.94
짐바브웨	12.57	4.95	3.35	8.60	1.00	9.60	8.43	12.85	1.07	6.18	0.39	9.07

자료 : IEA, Key World Energy Statistics 2012, Energy Balances of OECD Countries 2012.

1-2. Energy Indicators by Countries(2010)(Continued)

1인당 에너지소비 Energy Consumption per Capita		전력소비/최종에너지소비 Elec.Cons./FEC	TPES /GDP	TPES /GDP (PPP)	CO_2 /TPES	CO_2/Pop.	CO_2/GDP	CO_2/GDP (PPP)	
1차에너지 TPES	전력소비 Electricity								
toe/capita	kWh/capita	%	toe/000 2005 USD		tCO_2/toe	tCO_2/capita	$kgCO_2$/2005USD		
0.27	195.00	9.01	0.33	0.16	1.62	0.44	0.53	0.25	Senegal
2.14	4,358.00	24.75	0.56	0.22	2.95	6.31	1.65	0.66	Serbia
6.46	8,306.00	15.29	0.19	0.12	1.92	12.39	0.37	0.24	Singapore
3.28	5,164.00	–	0.30	0.16	1.97	6.45	0.58	0.32	Slovak Republic
3.52	6,520.00	–	0.18	0.14	2.12	7.48	0.39	0.30	Slovenia
2.74	4,803.00	29.94	0.47	0.29	2.53	6.94	1.20	0.73	South Africa
2.77	6,155.00	–	0.11	0.10	2.10	5.82	0.23	0.22	Spain
0.47	445.00	8.87	0.30	0.10	1.35	0.64	0.40	0.14	Sri Lanka
0.37	141.00	4.92	0.41	0.18	0.85	0.31	0.35	0.16	Sudan
5.47	14,939.00	–	0.13	0.16	0.93	5.07	0.12	0.15	Sweden
3.37	8,216.00	–	0.06	0.09	1.67	5.63	0.11	0.15	Switzerland
1.06	1,905.00	21.25	0.59	0.22	2.66	2.82	1.58	0.60	Syrian Arab Republic
0.34	2,004.00	59.27	0.72	0.17	1.18	0.40	0.86	0.20	Tajikistan
0.45	78.00	1.81	1.02	0.36	0.30	0.13	0.30	0.11	United Rep. of Tanzania
1.70	2,243.00	15.18	0.56	0.22	2.12	3.59	1.18	0.47	Thailand
0.45	113.00	3.48	1.09	0.50	0.44	0.19	0.48	0.22	Togo
15.92	5,896.00	4.29	1.14	0.69	2.00	31.91	2.28	1.38	Trinidad and Tobago
0.91	1,350.00	16.61	0.24	0.11	2.28	2.08	0.54	0.24	Tunisia
1.44	2,474.00	–	0.19	0.12	2.53	3.65	0.47	0.29	Turkey
4.23	2,403.00	6.47	1.59	0.57	2.47	10.45	3.93	1.41	Turkmenistan
2.84	3,550.00	15.62	1.44	0.47	2.04	5.81	2.94	0.96	Ukraine
8.27	11,044.00	15.10	0.29	0.20	2.48	20.50	0.73	0.48	United Arab Emirates
3.26	5,741.00	–	0.09	0.10	2.39	7.78	0.21	0.24	United Kingdom
7.15	13,361.00	–	0.17	0.17	2.42	17.31	0.41	0.41	United States
1.24	2,763.00	21.60	0.18	0.10	1.55	1.92	0.27	0.15	Uruguay
1.55	1,672.00	11.80	2.04	0.56	2.29	3.56	4.66	1.27	Uzbekistan
2.67	3,287.00	15.77	0.44	0.24	2.38	6.35	1.05	0.58	Venezuela
0.68	1,035.00	15.41	0.80	0.24	2.20	1.50	1.76	0.52	Vierman
0.30	249.00	8.37	0.35	0.13	3.02	0.90	1.04	0.38	Yemen
0.63	623.00	10.73	0.83	0.45	0.24	0.15	0.20	0.11	Zambia
0.76	1,022.00	12.74	1.94	2.87	0.94	0.72	1.83	2.71	Zimbabwe

Sources : IEA, Key World Energy Statistics 2012, Energy Balances of OECD Countries 2012.

1-3. OECD 국가별 에너지 수입(2011년)

	석 탄 Coal			원 유 Crude oil		
	연료탄 Steaming	원료탄 Coking	무연탄 Anthracite		합 계 Total	납 사 Naphtha
	1,000 ton					
O E C D 계	**447,806**	**139,485**	**588,639**	**1,384,681**	**543,674**	**74,401**
호 주	–	–	–	24,171	16,617	–
오 스 트 리 아	1,604	1,740	3,346	7,294	6,039	9
벨 기 에	1,988	2,704	4,760	29,963	20,293	2,830
캐 나 다	5,575	3,770	9,352	33,719	12,947	60
칠 레	8,360	640	9,000	9,042	6,391	14
체 코	1,159	1,163	2,398	6,925	3,010	108
덴 마 크	6,136	–	6,136	2,818	6,248	–
에 스 토 니 아	67	–	67	–	874	–
핀 란 드	5,703	1,269	6,972	10,732	5,403	283
프 랑 스	10,628	3,799	14,509	64,113	39,440	1,668
독 일	32,508	8,778	41,286	90,515	32,960	6,433
그 리 스	429	–	540	16,390	6,399	173
헝 가 리	424	1,430	1,854	5,887	2,072	215
아 이 스 랜 드	104	8	112	–	690	–
아 일 랜 드	2,289	–	2,311	3,010	5,789	–
이 스 라 엘	12,310	–	12,310	11,880	3,528	312
이 탈 리 아	17,861	5,606	23,472	71,969	10,654	940
일 본	121,542	53,835	175,377	166,553	46,521	19,301
한 국	**100,429**	**30,126**	**130,555**	**124,834**	**31,046**	**22,178**
룩 셈 브 르 그	89	–	89	–	2,794	0
멕 시 코	7,582	–	7,585	–	28,417	992
네 덜 란 드	20,113	4,343	24,479	48,890	85,151	12,946
뉴 질 랜 드	169	3	172	5,111	1,831	–
노 르 웨 이	711	–	711	571	4,364	54
폴 란 드	12,466	2,170	14,696	23,792	5,243	–
포 르 투 갈	3,753	–	3,753	10,311	3,662	525
슬 로 바 키 아	1,479	2,493	4,574	6,010	1,210	10
슬 로 베 니 아	442	–	527	–	3,259	101
스 페 인	13,663	2,505	16,168	52,147	22,926	2,488
스 웨 덴	1,460	1,616	3,076	18,799	7,762	298
스 위 스	99	–	171	4,358	7,073	3
터 키	19,224	4,575	23,799	18,084	15,054	–
영 국	27,143	5,467	32,610	49,959	23,590	443
미 국	10,297	1,445	11,872	466,834	74,417	2,128

주 : 석탄은 잠정치임.
자료 : IEA, Oil, Gas, Coal & Electricity(2012.1Q)

1-3. Energy Imports by OECD Countires(2011)

석유제품 Petroleum product					천연가스 LNG	
LPG&에탄 LPG&Ethane	휘발유 Gasoline	등유 Kerosene	경유 Diesel	중질중유 Heavy Fuel Oil		
1,000 ton					mil.m^3	
42,171	**87,142**	**40,930**	**153,911**	**97,368**	**790,859**	**OECD Total**
459	2,499	1,782	8,703	1,477	8,102	Australia
91	783	114	4,569	85	14,283	Austria
1,354	786	1,053	7,911	5,583	41,723	Belgium
378	3,900	1,951	1,651	428	30,717	Canada
788	537	201	4,065	530	4,153	Chile
74	610	176	1,499	29	9,319	Czech Republic
8	715	788	2,222	2,014	369	Denmark
17	262	22	571	2	619	Estonia
313	24	923	2,437	706	4,101	Finland
2,409	602	3,602	19,966	7,513	47,041	France
870	1,916	4,194	13,656	2,790	87,571	Germany
51	621	349	2,933	1,663	4,762	Greece
139	337	2	1,325	9	2,464	Hungary
1	146	143	392	–	–	Iceland
82	1,140	1,467	2,228	236	4,633	ireland
216	888	288	936	408	700	Israel
2,008	130	1,756	2,474	914	70,367	Italy
12,445	1,844	1,953	748	5,318	109,947	Japan
6,200	**2**	**54**	**307**	**2,301**	**46,833**	**Korea**
10	368	298	298	2,118	1,183	Luxembourg
2,690	16,578	41	6,692	1,424	13,953	Mexico
2,593	10,423	3,022	18,363	34,228	22,761	Netherlands
6	962	14	693	–	4,357	New Zealand
240	200	423	2,749	1,384	–	Norway
1,934	532	–	1,945	71	11,790	Poland
475	178	246	1,315	213	5,181	Portugal
45	191	2	616	96	6,743	Slovak Republic
6	713	23	2,274	45	841	Slovenia
569	116	2,748	8,541	3,785	35,489	Spain
1,544	1,500	819	2,200	1,177	1,296	Sweden
37	1,717	1,451	3,303	15	3,165	Switzerland
2,732	130	563	10,154	669	43,905	Turkey
226	3,816	7,493	9,371	840	53,430	United Kingdom
1,066	31,976	2,971	6,535	21,415	97,863	United States

Note : Coal is the estimate
Source : IEA, Oil, Gas, Coal & Electricity(2012.1Q)

1-4. OECD 국가별 에너지 수출(2011년)

	석 탄 Coal			원 유 Crude oil		
	연료탄 Steaming	원료탄 Coking	무연탄 Anthracite		합 계 Total	납 사 Naphtha
	1,000 ton					
O E C D 계	**185,916**	**243,494**	**430,929**	**281,178**	**532,403**	**30,243**
호 주	135,352	157,265	292,617	13,466	1,756	–
오 스 트 리 아	–	–	–	–	2,252	101
벨 기 에	–	–	–	–	18,428	184
캐 나 다	5,751	27,528	33,411	84,233	18,614	435
칠 레	–	–	–	–	441	–
체 코	2,773	3,499	33,411	19	1,567	19
덴 마 크	–	–	–	7,622	5,609	–
에 스 토 니 아	–	–	–	–	–	–
핀 란 드	–	–	–	–	7,622	26
프 랑 스	–	–	–	200	20,736	2,563
독 일	–	–	–	376	17,895	413
그 리 스	–	–	–	691	8,789	505
헝 가 리	–	–	–	–	2,963	–
아 이 스 랜 드	–	–	–	–	118	–
아 일 랜 드	–	–	–	92	1,593	20
이 스 라 엘	–	–	–	–	3,612	204
이 탈 리 아	–	–	–	439	25,412	1,197
일 본	–	–	–	–	15,428	11
한 국	**–**	**–**	**–**	**–**	**52,567**	**4,162**
룩 셈 브 르 그	–	–	–	–	–	–
멕 시 코	–	–	–	70,365	9,005	2,910
네 덜 란 드	–	–	–	395	97,896	12,124
뉴 질 랜 드	–	–	–	2,253	52	–
노 르 웨 이	–	–	–	70,474	14,908	2,324
폴 란 드	8,150	1,815	10,080	293	4,317	227
포 르 투 갈	–	–	–	–	2,888	279
슬 로 바 키 아	–	–	–	15	3,865	6
슬 로 베 니 아	–	–	–	–	711	–
스 페 인	–	–	–	–	13,054	1,090
스 웨 덴	–	–	–	33	10,876	233
스 위 스	–	–	–	–	425	3
터 키	–	–	–	–	6,766	93
영 국	–	–	–	27,878	27,742	1,114
미 국	23,021	50,909	74,131	2,387	134,852	–

주 : 석탄은 잠정치임.
자료 : IEA, Oil, Gas, Coal & Electricity(2012.1Q)

1-4. Energy Exports by OECD Countires(2011년)

석유제품 Petroleum product					천연가스 LNG	
LPG&에탄 LPG&Ethane	휘발유 Gasoline	등유 Kerosene	경유 Diesel	중질 중유 Heavy Fuel Oil		
1,000 ton					mil.m^3	
13,148	101,217	36,190	166,903	109,685	392,088	**OECD Total**
–	109	–	118	157	25,527	Australia
30	570	8	898	266	4,960	Austria
1,119	2,755	1,371	7,643	3,948	24,623	Belgium
419	5,576	252	6,245	2,944	92,723	Canada
–	93	–	203	–	–	Chile
109	297	–	655	98	167	Czech Republic
98	1,607	338	1,294	2,800	3,126	Denmark
–	–	–	–	–	–	Estonia
–	2,337	154	2,784	933	–	Finland
939	5,143	663	2,341	6,335	5,378	France
261	4,733	769	6,470	1,958	19,745	Germany
243	1,330	1,101	3,148	2,163	–	Greece
73	275	1	1,282	58	566	Hungary
–	–	41	73	–	–	Iceland
29	260	–	196	1,088	–	ireland
120	636	516	1,140	588	–	Israel
388	8,358	481	9,369	2,805	123	Italy
118	1,197	2,629	8,035	2,673	–	Japan
76	6,125	11,330	21,370	5,172	–	**Korea**
–	–	–	–	–	–	Luxembourg
44	–	80	235	5,736	13	Mexico
1,456	15,164	6,740	30,890	27,503	54,797	Netherlands
28	–	24	–	–	–	New Zealand
4,814	2,826	232	2,749	1,891	98,552	Norway
66	524	389	113	2,001	29	Poland
82	821	–	120	1,256	–	Portugal
7	1,043	9	2,200	348	7	Slovak Republic
6	143	543	–	–	–	Slovenia
249	3,341	275	2,373	2,195	1,698	Spain
258	2,325	63	3,946	3,289	–	Sweden
45	3	–	13	327	–	Switzerland
108	2,420	1,873	124	2,106	713	Turkey
796	9,270	1,398	7,793	5,122	16,691	United Kingdom
–	22,476	5,453	42,540	23,925	42,650	United States

Note : Coal is the estimate
Source : IEA, Oil, Gas, Coal & Electricity(2012.1Q)

1-5. OECD 국가별 최종에너지 소비(2010년)

단위 : 백만 toe

	산업부문 Industry						
	농림어업 Agriculture & Fishery	제조업 Manufacturing	건설업 Construction	광 업 Mining	소 계 Sub-Total	국내항공 Domestic Aircraft	육 상 Land
O E C D 계	**87.63**	**780.94**	**17.26**	**30.61**	**916.44**	**67.10**	**1,048.85**
호주	2.16	19.68	0.56	2.17	24.57	2.22	23.88
오스트리아	0.57	6.91	0.48	0.16	8.12	0.03	7.50
벨기에	0.94	9.87	0.38	0.21	11.40	0.00	8.35
캐나다	4.24	36.00	1.56	16.11	57.90	4.19	48.72
칠레	–	4.20	–	4.50	8.70	0.37	6.28
체코	0.80	7.60	0.21	0.08	8.69	0.03	5.54
덴마크	0.74	2.19	0.17	0.08	3.17	0.04	4.00
에스토니아	0.10	0.53	0.04	0.01	0.67	0.00	0.68
핀란드	2.15	10.48	0.35	0.13	13.10	0.14	3.95
프랑스	9.47	27.95	1.14	0.23	38.79	1.17	41.51
독일	0.77	54.64	0.07	0.44	55.92	0.66	50.25
그리스	0.82	3.29	0.13	0.06	4.29	0.24	6.49
헝가리	0.49	2.54	0.05	0.02	3.10	–	3.97
아이스랜드	0.05	1.30	0.03	–	1.37	0.01	0.27
아일랜드	0.27	1.81	0.01	0.10	2.19	0.03	3.82
이스라엘	2.48	1.84	0.07	0.12	4.51	–	4.05
이탈리아	3.18	29.60	0.20	0.15	33.13	0.72	35.68
일본	2.02	85.84	3.89	0.30	92.05	3.11	68.63
한국	**2.96**	**43.71**	**0.82**	**0.23**	**47.72**	**0.34**	**28.44**
룩셈브르그	0.03	0.74	0.02	0.00	0.79	–	2.17
멕시코	4.61	25.57	0.30	1.54	32.03	0.02	50.43
네덜란드	3.43	12.41	0.51	0.20	16.55	0.05	11.14
뉴질랜드	0.59	3.67	0.11	0.12	4.49	0.35	4.12
노르웨이	0.42	5.66	0.25	0.11	6.44	0.35	3.57
폴란드	3.78	14.03	0.24	0.37	18.42	–	16.33
포르투갈	0.35	5.05	0.25	0.13	5.77	0.16	6.10
슬로바키아	0.13	3.16	0.06	0.01	3.36	–	2.13
슬로베니아	0.11	1.23	0.04	0.02	1.39	0.00	1.73
스페인	3.38	21.89	0.65	0.29	26.21	2.35	29.54
스웨덴	0.65	11.52	0.14	0.42	12.74	0.15	7.26
스위스	0.42	3.71	0.23	–	4.36	0.06	5.68
터키	5.03	19.76	2.60	0.22	27.61	0.41	13.26
영국	2.54	26.02	0.43	–	29.00	0.71	38.23
미국	27.95	276.56	1.28	2.11	307.90	49.19	505.17

자료 : IEA, Energy Balance of OECD Countires 2012.

1-5. Final Energy consumption by OECD Countries(2010)

Unit : Million toe

수송부문 Transportation				가정부문 Residential	상업공공부문 Commercial & Public	합 계 Total	
철 도 Rail	국내수상 Domestic Shipping	기 타 Other	소 계 Sub-Total				
22.66	18.82	2.59	1,160.02	733.98	490.97	3,691.11	OECD Total
1.03	0.81	0.32	28.26	10.16	6.89	75.28	Australia
0.21	0.01	0.13	7.88	6.90	2.82	27.65	Austria
0.18	0.16	-	8.68	8.97	5.03	41.68	Belgium
1.89	1.93	0.06	56.79	30.98	25.18	195.98	Canada
0.08	0.42	-	7.15	5.30	1.37	23.82	Chile
0.19	0.00	0.09	5.86	6.62	3.13	27.06	Czech Republic
0.11	0.16	0.04	4.34	4.90	2.15	14.96	Denmark
0.05	0.01	0.00	0.75	1.03	0.43	2.91	Estonia
0.09	0.18	0.01	4.37	5.76	1.96	26.67	Finland
0.93	0.31	0.35	44.27	44.05	23.40	162.81	France
1.82	0.26	0.07	53.05	62.03	32.11	226.75	Germany
0.02	0.72	0.01	7.48	4.63	1.96	19.47	Greece
0.15	0.00	-	4.12	5.74	3.13	18.12	Hungary
-	0.01	-	0.28	0.51	0.21	2.94	Iceland
0.04	0.02	0.00	3.91	3.18	1.69	11.24	ireland
-	-	-	4.05	3.39	1.46	14.81	Israel
0.44	1.13	0.50	38.47	31.39	16.96	129.77	Italy
1.86	3.35	-	76.95	49.69	64.17	324.58	Japan
0.37	0.67	0.09	29.91	19.86	20.50	157.44	Korea
0.01	-	-	2.19	0.49	0.42	3.89	Luxembourg
0.68	0.71	-	51.85	17.84	3.57	113.45	Mexico
0.18	0.16	-	11.53	11.52	9.69	64.77	Netherlands
0.05	0.08	0.01	4.61	1.51	1.15	12.77	New Zealand
0.07	0.86	0.01	4.85	4.33	3.03	21.40	Norway
0.36	-	-	16.68	21.00	8.55	69.69	Poland
0.06	0.12	-	6.44	2.87	2.06	18.96	Portugal
0.04	-	0.02	2.19	2.31	2.11	11.42	Slovak Republic
0.03	-	0.00	1.76	1.28	0.51	5.14	Slovenia
0.90	1.05	0.05	33.89	16.44	10.13	93.70	Spain
0.21	0.19	-	7.81	7.56	4.98	35.23	Sweden
0.28	0.01	-	6.03	6.46	3.66	21.05	Switzerland
0.18	0.60	0.01	14.45	22.45	5.69	77.60	Turkey
0.95	1.37	0.00	41.26	44.59	14.96	137.91	United Kingdom
9.21	3.54	0.82	567.93	268.28	205.92	1,500.18	United States

Source : IEA, Energy Balances of OECD Countires 2012.

1-6. OECD 국가별 최종에너지 소비(원별, 2010년)

Final Energy Consumption by OECD Countries(by Source, 2010)

단위 : 백만 toe　　Unit : Million toe

	석 탄 Coal & peat	석 유 Oil products	가 스 Gas	신재생 Renewable energy	전 력 Electricity	열 Heat	합 계 Total	
O E C D 계	**128.00**	**1,766.76**	**736.95**	**181.71**	**806.87**	**63.22**	**3,691.11**	**OECD Total**
호 주	3.05	38.08	13.14	3.57	17.31	–	75.28	Australia
오 스 트 리 아	0.50	11.08	4.91	3.73	5.28	1.74	27.65	Austria
벨 기 에	0.79	20.06	11.60	1.27	7.17	0.67	41.68	Belgium
캐 나 다	3.09	90.17	51.92	9.86	40.42	0.40	195.98	Canada
칠 레	0.42	12.08	2.35	4.25	4.71	–	23.82	Chile
체 코	2.92	8.57	6.35	1.90	4.92	2.25	27.06	Czech Republic
덴 마 크	0.15	6.15	1.78	1.27	2.76	2.83	14.96	Denmark
에 스 토 니 아	0.10	0.93	0.21	0.55	0.59	0.53	2.91	Estonia
핀 란 드	0.71	8.25	1.06	4.78	7.18	4.66	26.67	Finland
프 랑 스	3.46	71.28	32.99	12.94	38.19	3.67	162.81	France
독 일	7.36	94.68	53.49	13.51	45.49	11.29	226.75	Germany
그 리 스	0.30	12.22	1.14	1.21	4.57	0.05	19.47	Greece
헝 가 리	0.39	6.08	6.43	1.15	2.94	1.09	18.12	Hungary
아 이 스 랜 드	0.09	0.85	–	0.41	1.35	0.24	2.94	Iceland
아 일 랜 드	0.55	6.62	1.61	0.29	2.16	–	11.24	ireland
이 스 라 엘	–	9.42	0.06	1.13	4.19	–	14.81	Israel
이 탈 리 아	1.93	54.33	39.05	5.26	25.74	3.33	129.77	Italy
일 본	28.67	171.37	34.45	3.04	86.16	0.58	324.58	Japan
한 국	9.54	81.87	20.36	0.80	38.64	4.33	157.44	Korea
룩 셈 브 르 그	0.08	2.44	0.68	0.10	0.57	0.03	3.89	Luxembourg
멕 시 코	1.63	73.86	12.74	7.35	17.88	–	113.45	Mexico
네 덜 란 드	0.81	27.69	24.20	0.78	9.19	2.11	64.77	Netherlands
뉴 질 랜 드	0.60	5.88	1.66	1.26	3.38	–	12.77	New Zealand
노 르 웨 이	0.57	8.54	0.77	1.25	9.86	0.38	21.40	Norway
폴 란 드	13.26	22.89	10.59	5.21	10.19	6.97	69.69	Poland
포 르 투 갈	0.05	10.12	1.58	2.55	4.29	0.34	18.96	Portugal
슬 로 바 키 아	1.18	2.99	3.70	0.60	2.08	0.85	11.42	Slovak Republic
슬 로 베 니 아	0.06	2.53	0.70	0.61	1.03	0.19	5.14	Slovenia
스 페 인	0.98	49.98	14.74	5.59	22.41	–	93.70	Spain
스 웨 덴	0.85	11.23	0.64	6.10	11.29	5.14	35.23	Sweden
스 위 스	0.15	11.01	2.76	1.29	5.14	0.41	21.05	Switzerland
터 키	14.12	28.39	13.13	6.13	14.61	1.22	77.60	Turkey
영 국	2.80	56.27	47.09	2.18	28.24	1.29	137.91	United Kingdom
미 국	26.85	748.88	319.07	69.81	326.97	6.64	1,500.18	United States

자료 : IEA, Energy Balance of OECD Countires 2012.

1-7. OECD 국가별 신재생에너지 공급현황(2011년)

Renewable Energy and Waste Supply by OECD Countries(2011)

단위 : 천 toe　　Unit : Thousand toe

	수 력 Hydro	지 열 Geothermal	태양광/열 Solar photovoltaic /thermal	풍력 Wind	바이오/해양 등 Bio/ Tidal etc.	폐기물 Waste	합 계 Total	
O E C D 계	**119,830**	**32,949**	**10,086**	**28,769**	**205,954**	**35,095**	**432,683**	**OECD Total**
호 주	1,274	-	332	502	5,089	145	7,342	Australia
오 스 트 리 아	2,900	37	189	179	3,941	848	8,094	Austria
벨 기 에	17	4	141	201	1,254	1,087	2,704	Belgium
캐 나 다	32,370	-	35	1,693	11,652	271	46,021	Canada
칠 레	1,807	-	-	29	5,088	2	6,926	Chile
체 코	184	-	193	34	2,391	295	3,097	Czech Republic
덴 마 크	1	8	21	841	2,341	891	4,103	Denmark
에 스 토 니 아	3	-	-	32	728	-	763	Estonia
핀 란 드	1,073	-	1	42	7,634	292	9,042	Finland
프 랑 스	3,879	94	237	1,052	10,692	2,436	18,390	France
독 일	1,580	588	2,116	3,999	20,023	6,418	34,724	Germany
그 리 스	329	27	236	285	989	32	1,898	Greece
헝 가 리	19	98	5	54	1,673	115	1,964	Hungary
아 이 스 랜 드	1,076	3,765	-	-	-	-	4,841	Iceland
아 일 랜 드	61	-	6	377	324	30	798	ireland
이 스 라 엘	2	-	1,117	1	12	3	1,135	Israel
이 탈 리 아	3,986	5,016	1,076	872	6,800	1,647	19,397	Italy
일 본	7,167	2,440	704	374	3,111	1,990	15,786	Japan
한 국	**406**	**46**	**98**	**74**	**1,406**	**2,664**	**1,882**	**Korea**
룩 셈 브 르 그	5	-	3	6	69	43	126	Luxembourg
멕 시 코	3,078	5,594	141	119	8,431	-	17,363	Mexico
네 덜 란 드	5	8	32	438	1,121	1,696	3,300	Netherlands
뉴 질 랜 드	2,157	3,741	9	168	1,176	-	7,251	New Zealand
노 르 웨 이	10,390	-	-	111	1,216	277	11,994	Norway
폴 란 드	200	12	3	231	6,913	693	8,052	Poland
포 르 투 갈	993	170	91	783	2,839	240	5,116	Portugal
슬 로 바 키 아	317	9	2	-	878	57	1,263	Slovak Republic
슬 로 베 니 아	306	28	11	-	600	29	974	Slovenia
스 페 인	2,631	17	909	3,644	6,818	348	14,367	Spain
스 웨 덴	5,699	-	12	523	9,127	1,211	16,572	Sweden
스 위 스	2,764	320	57	3	136	1,357	4,637	Switzerland
터 키	4,478	1,992	302	406	4,487	36	11,701	Turkey
영 국	490	1	109	1,335	4,803	1,034	7,772	United Kingdom
미 국	28,183	8,935	1,898	10,362	75,004	8,907	133,289	United States

Source : IEA, Energy Balances of OECD Countires 2012.

2 에너지통계 Energy Statistics

2-1. 세계 1차에너지 소비 Primary Energy consumption of World

단위 : 백만 toe　　Unit : Million toe

	합 계 Total	증감율 Growth Rate(%)	석 유 Oil	천연가스 Natural Gas	석 탄 Coal	원자력 Nuclear	수 력 Hydro
1981	6,577.5	-0.7	2,863.0	1,309.5	1,820.6	189.2	391.5
1982	6,548.4	-0.4	2,770.7	1,312.5	1,846.9	207.4	407.2
1983	6,638.2	1.4	2,748.3	1,329.0	1,897.7	233.0	426.0
1984	6,960.2	4.9	2,810.1	1,440.0	1,983.2	281.6	440.3
1985	7,137.5	2.5	2,804.7	1,488.3	2,056.0	335.3	447.9
1986	7,307.5	2.4	2,894.1	1,503.6	2,089.2	361.3	453.6
1987	7,555.7	3.4	2,946.8	1,579.6	2,169.0	392.9	461.3
1988	7,833.5	3.7	3,038.8	1,654.9	2,231.7	428.4	473.4
1989	8,001.7	2.1	3,093.0	1,729.2	2,251.2	440.5	472.1
1990	8,108.7	1.3	3,148.6	1,769.5	2,220.3	453.1	489.0
1991	8,156.0	0.6	3,148.2	1,807.5	2,196.4	474.5	499.8
1992	8,187.6	0.4	3,184.8	1,817.9	2,174.6	478.3	500.4
1993	8,257.5	0.9	3,158.0	1,853.9	2,187.6	494.8	530.2
1994	8,357.6	1.2	3,218.7	1,865.4	2,201.9	504.0	533.0
1995	8,577.9	2.6	3,271.3	1,927.0	2,256.2	525.9	561.4
1996	8,809.5	2.7	3,344.9	2,020.5	2,292.2	544.8	569.3
1997	8,911.6	1.2	3,432.2	2,016.8	2,301.8	541.1	578.7
1998	8,986.6	0.8	3,455.4	2,050.3	2,300.2	550.1	586.9
1999	9,151.4	1.8	3,526.0	2,098.4	2,316.0	571.1	592.4
2000	9,382.4	2.5	3,571.6	2,176.2	2,399.7	584.3	599.4
2001	9,465.6	0.9	3,597.2	2,216.6	2,412.4	600.7	585.1
2002	9,651.8	2.0	3,632.3	2,275.6	2,476.7	610.8	596.2
2003	9,997.8	3.6	3,707.4	2,353.1	2,677.3	598.5	595.9
2004	10,482.0	4.8	3,858.7	2,431.8	2,858.4	625.2	633.3
2005	10,800.9	3.0	3,908.5	2,511.2	3,012.9	626.8	658.6
2006	11,087.8	2.7	3,945.3	2,565.6	3,164.5	635.4	684.4
2007	11,398.4	2.8	4,007.3	2,661.3	3,305.6	622.1	696.5
2008	11,535.8	1.2	3,996.5	2,731.4	3,341.7	619.2	724.7
2009	11,363.2	-1.5	3,908.7	2,661.4	3,305.6	614.0	736.3
2010	11,977.8	5.4	4,031.9	2,843.1	3,532.0	626.3	778.9
2011	12,274.6	2.5	4,059.1	2,905.6	3,724.3	599.3	791.5

주 : 1차에너지는 발전에 사용된 신재생에너지를 포함한 상업적 거래연료로 구성됨.
자료 : BP Statistical Review of World Energy 2012.

2-2. 국별 1차에너지 소비(2011년) Primary Energy Consumption by Countries

단위 : 백만 toe　　Unit : Million toe

	합 계 Total	석 유 Oil	천연가스 Natural Gas	석 탄 Coal	원자력 Nuclear	수 력 Hydro	신재생 Renewable	
전 세 계	12,274.6	4,059.1	2,905.6	3,724.3	599.3	791.5	194.8	Total World
중 국	2,613.2	461.8	117.6	1,839.4	19.5	157.0	17.7	China
미 국	2,269.3	833.6	626.0	501.9	188.2	74.3	45.3	US
러 시 아 연 합	685.6	136.0	382.1	90.9	39.2	37.3	0.1	RussianFederation
인 도	559.1	162.3	55.0	295.6	7.3	29.8	9.2	India
일 본	477.6	201.4	95.0	117.7	36.9	19.2	7.4	Japan
캐 나 다	330.3	103.1	94.3	21.8	21.4	85.2	4.4	Canada
독 일	306.4	111.5	65.3	77.6	24.4	4.4	23.2	Germany
브 라 질	266.9	120.7	24.0	13.9	3.5	97.2	7.5	Brazil
한 국	263.0	106.0	41.9	79.4	34.0	1.2	0.6	South Korea
프 랑 스	242.9	82.9	36.3	9.0	100.0	10.3	4.3	France
이 란	228.6	87.0	138.0	0.8	^	2.7	0.1	Iran
사우디아라비아	217.1	127.8	89.3	–	–	–	–	Saudi Arabia
영 국	198.2	71.6	72.2	30.8	15.6	1.3	6.6	United Kingdom
멕 시 코	173.7	89.7	62.0	9.9	2.3	8.1	1.8	Mexico
이 탈 리 아	168.5	71.1	64.2	15.4	–	10.1	7.7	Italy
인 도 네 시 아	148.2	64.4	34.1	44.0	–	3.5	2.1	Indonesia
스 페 인	145.9	69.5	28.9	14.9	13.0	6.9	12.7	Spain
우 크 라 이 나	126.4	12.9	48.3	42.4	20.4	2.4	^	Ukraine
남 아 공	126.3	26.2	3.8	92.9	2.9	0.4	0.1	South Africa
호 주	123.3	45.9	23.0	49.8	–	2.4	2.2	Australia
터 키	118.8	32.0	41.2	32.4	–	11.8	1.3	Turkey
대 만	109.9	42.8	14.0	41.6	9.5	0.9	1.2	Taiwan
태 국	106.0	46.8	41.9	13.9	–	1.8	1.6	Thailand
폴 란 드	102.8	26.3	13.8	59.8	–	0.6	2.2	Poland
네 덜 란 드	95.8	50.1	34.3	7.8	0.9	^	2.7	Netherlands
베 네 수 엘 라	89.1	38.3	29.8	2.0	–	18.9	–	Venezuela
아랍에미레이트	87.2	30.5	56.6	–	–	–	^	United ArabEmirates
이 집 트	82.6	33.7	44.7	0.9	–	3.1	0.3	Egypt
아 르 헨 티 나	81.9	28.1	41.9	1.1	1.4	9.0	0.4	Argentina
싱 가 포 르	70.4	62.5	7.9	–	–	–	^	Singapore

Note : Primary energy comprises commercially traded fuels including modern renewables used to generate electricity.
Source : BP Statistical Review of World Energy 2012.

2-3. 지역별 1차에너지 소비

단위 : 백만 toe

	1965	1975	1985	1995	2000	2003	2004
전 세 계	**3,750.0**	**5,766.3**	**7,161.3**	**8,564.1**	**9,355.6**	**9,950.2**	**10,449.6**
북 미	**1,428.0**	**1,954.1**	**2,084.8**	**2,517.3**	**2,757.5**	**2,756.0**	**2,817.7**
미 국	1,287.3	1,717.5	1,756.4	2,121.9	2,313.7	2,302.3	2,348.8
캐 나 다	116.3	187.0	233.0	278.1	302.3	305.9	313.8
멕 시 코	24.4	49.6	95.4	117.3	141.4	147.7	155.1
중 남 미	**109.2**	**189.3**	**274.6**	**396.8**	**466.3**	**479.0**	**502.5**
아 르 헨 티 나	27.1	33.2	40.0	53.6	60.2	61.1	64.4
브 라 질	22.1	64.2	109.2	153.7	186.0	190.3	200.1
베 네 쥬 엘 라	15.8	24.6	40.4	58.2	65.2	61.4	68.6
유 럽	**1,661.6**	**2,494.4**	**3,021.8**	**2,782.9**	**2,809.8**	**2,912.7**	**2,958.1**
프 랑 스	114.8	171.9	195.8	235.7	254.2	259.3	263.6
독 일	256.1	319.9	358.9	332.9	332.3	337.1	337.3
이 태 리	80.0	132.1	138.3	161.9	175.7	181.0	184.6
네 덜 란 드	36.1	70.1	70.5	84.5	87.7	91.9	95.0
러 시 아 연 합	n/a	n/a	816.9	664.0	613.9	644.9	651.4
영 국	196.8	202.8	201.7	214.5	224.0	225.4	227.3
중 동	**57.5**	**97.8**	**207.4**	**346.6**	**420.6**	**486.3**	**522.6**
이 란	17.2	42.5	60.1	95.1	123.8	152.0	158.4
사 우 디 아 라 비 아	20.1	20.8	63.7	98.3	117.9	135.8	147.4
아 프 리 카	**57.5**	**99.0**	**189.8**	**244.5**	**273.9**	**301.8**	**320.7**
이 집 트	7.8	10.4	28.0	38.4	49.8	57.0	59.6
남 아 공	30.3	47.0	78.1	94.0	101.2	109.5	115.7
아 시 아 · 태 평 양	**436.3**	**931.7**	**1,382.8**	**2,276.0**	**2,627.5**	**3,014.5**	**3,328.0**
호 주	34.7	58.9	71.9	97.0	106.7	111.9	114.3
중 국	129.3	311.3	522.2	888.2	1,010.7	1,277.3	1,512.5
인 도	52.7	81.9	132.7	236.2	295.8	317.4	345.8
인 도 네 시 아	7.1	13.5	35.2	75.5	99.1	116.4	115.4
일 본	149.0	329.3	371.7	492.2	514.6	511.0	522.4
한 국	6.4	22.6	52.7	147.1	189.5	209.8	213.8
대 만	6.2	15.3	35.0	66.5	87.6	99.6	105.0

주 : 1차에너지는 발전에 사용된 신재생에너지를 포함한 상업적 거래연료로 구성됨.
자료 : BP Statistical Review of World Energy 2012.

2-3. Primary Energy consumption by Region

Unit : Million toe

2005	2006	2007	2008	2009	2010	2011	11년 점유율 Share of total	
10,754.5	**11,048.4**	**11,347.6**	**11,492.8**	**11,391.3**	**11,977.8**	**12,274.6**	**100.0%**	**Total World**
2,839.2	**2,819.0**	**2,868.6**	**2,818.7**	**2,686.5**	**2,763.9**	**2,773.3**	**22.6%**	**Total North America**
2,351.2	2,332.7	2,372.7	2,320.2	2,205.9	2,277.9	2,269.3	18.5%	US
326.8	321.7	327.5	327.7	314.0	315.7	330.3	2.7%	Canada
161.1	164.6	168.4	170.8	166.6	170.4	173.7	1.4%	Mexico
521.8	**546.3**	**568.4**	**587.3**	**582.6**	**619.0**	**642.5**	**5.2%**	**Total S. & Cent. America**
68.8	71.4	74.4	76.2	75.1	77.1	81.9	0.7%	Argentina
207.0	212.6	225.6	235.9	234.3	258.0	266.9	2.2%	Brazil
71.0	77.1	77.4	81.3	81.8	85.4	89.1	0.7%	Venezuela
2,969.0	**3,009.4**	**3,002.6**	**3,006.5**	**2,831.0**	**2,938.7**	**2,923.4**	**23.8%**	**Total Europe & Eurasia**
261.2	259.2	256.7	257.8	244.0	251.8	242.9	2.0%	France
333.2	339.5	324.4	326.7	307.5	322.4	306.4	2.5%	Germany
185.1	184.6	181.8	180.4	168.1	173.1	168.5	1.4%	Italy
97.2	97.3	98.5	97.4	95.7	100.5	95.8	0.8%	Netherlands
650.7	670.3	673.8	679.3	644.4	668.7	685.6	5.6%	Russian Federation
228.2	225.5	218.3	214.8	203.7	209.0	198.2	1.6%	United Kingdom
562.5	**587.4**	**611.6**	**652.3**	**671.5**	**716.5**	**747.5**	**6.1%**	**Total Middle East**
179.2	189.3	195.1	200.9	212.6	223.0	228.6	1.9%	Iran
151.6	157.8	164.4	178.5	186.0	202.1	217.1	1.8%	Saudi Arabia
327.0	**331.2**	**349.8**	**368.0**	**365.7**	**382.2**	**384.5**	**3.1%**	**Total Africa**
62.5	65.8	69.9	74.1	77.0	81.0	82.6	0.7%	Egypt
113.5	115.4	121.9	126.8	121.0	124.4	126.3	1.0%	South Africa
3,535.0	**3,755.2**	**3,946.7**	**4,059.9**	**4,254.1**	**4,557.6**	**4,803.3**	**39.1%**	**Total Asia Pacific**
117.8	123.8	124.0	124.0	123.7	115.0	123.3	1.0%	Australia
1,659.0	1,831.9	1,951.0	2,041.7	2,210.3	2,402.9	2,613.2	21.3%	China
364.5	382.1	415.5	445.9	487.6	520.5	559.1	4.6%	India
118.8	121.5	129.4	123.3	133.6	148.8	148.2	1.2%	Indonesia
527.1	527.6	522.9	515.3	474.0	503.0	477.6	3.9%	Japan
220.8	222.9	231.9	236.4	237.4	255.6	263.0	2.1%	South Korea
107.3	108.9	113.9	106.8	104.4	110.6	109.9	0.9%	Taiwan

Note : Primary energy comprises commercially traded fuels including modern renewables used to generate electricity.
Source : BP Statistical Review of World Energy 2012.

2-4. 원유 매장량

단위 : 십억 배럴

	91년말기준 at end 1991	01년말기준 at end 2001	10년말기준 at end 2010	11년말기준 at end 2011	11년 점유율 Share of total	가채년수 R/P ratio	
전 세 계	**1,032.7**	**1,267.4**	**1,622.1**	**1,652.6**	**100.0%**	**54.2**	**Total World**
유 럽 연 합	8.3	8.8	6.8	6.7	0.4%	10.8	EuropeanUnion
O E C D	142.7	254.8	235.0	234.7	14.2%	34.7	OECD
O P E C	769.0	855.5	1,167.3	1,196.3	72.4%	91.5	OPEC
N o n - O P EC	890.1	1,012.6	1,387.1	1,417.9	85.8%	59.7	Non-OPEC £
구 소 련	59.0	81.4	125.4	126.9	7.7%	25.8	Former Soviet Union
북 미	**123.2**	**230.1**	**217.8**	**217.5**	**13.2%**	**41.7**	**Total North America**
미 국	32.1	30.4	30.9	30.9	1.9%	10.8	US
캐 나 다	40.1	180.9	175.2	175.2	10.6%	*	Canada
멕 시 코	50.9	18.8	11.7	11.4	0.7%	10.6	Mexico
중 남 미	**74.6**	**98.8**	**324.7**	**325.4**	**19.7%**	*****	**Total S. & Cent. America**
아 르 헨 티 나	1.7	2.9	2.5	2.5	0.2%	11.4	Argentina
브 라 질	4.8	8.5	14.2	15.1	0.9%	18.8	Brazil
콜 롬 비 아	1.9	1.8	1.9	2.0	0.1%	5.9	Colombia
에 쿠 아 도 르	1.5	4.6	6.2	6.2	0.4%	33.2	Ecuador
페 루	0.8	1.0	1.2	1.2	0.1%	22.2	Peru
트 리 니 나 드 토 바 고	0.6	1.0	0.8	0.8	0.1%	16.7	Trinidad & Tobago
베 네 쥬 엘 라	62.6	77.7	296.5	296.5	17.9%	*	Venezuela
유 럽	**76.8**	**102.4**	**139.5**	**141.1**	**8.5%**	**22.3**	**Total Europe & Eurasia**
아 제 르 바 이 잔	n/a	1.2	7.0	7.0	0.4%	20.6	Azerbaijan
덴 마 크	0.6	1.3	0.9	0.8	•	10.0	Denmark
이 태 리	0.8	0.8	1.4	1.4	0.1%	34.3	Italy
카 자 흐 스 탄	n/a	5.4	30.0	30.0	1.8%	44.7	Kazakhstan
노 르 웨 이	8.8	11.6	6.8	6.9	0.4%	9.2	Norway
루 마 니 아	1.5	1.2	0.6	0.6	•	18.7	Romania
러 시 아 연 합	n/a	73.0	86.6	88.2	5.3%	23.5	Russian Federation
투 르 크 메 니 스 탄	n/a	0.5	0.6	0.6	•	7.6	Turkmenistan
영 국	4.2	4.5	2.8	2.8	0.2%	7.0	United Kingdom
우 즈 베 키 스 탄	n/a	0.6	0.6	0.6	•	18.9	Uzbekistan

주 : 1) *는 100년이상, ^는 0.05이하, •는 0.05%이하
2) 계속 같은 비율로 생산된다는 가정하에 기말기준 매장량은 그 해 생산으로 나눔.
자료 : BP Statistical Review of World Energy 2012

2-4. Proven Reserves of Crude Oil

Unit : Billion barrels

	91년말기준 at end 1991	01년말기준 at end 2001	10년말기준 at end 2010	11년말기준 at end 2011	11년 점유율 Share of total	가채년수 R/P ratio	
중 동	**660.8**	**698.7**	**765.6**	**795.0**	**48.1%**	**78.7**	**Total Middle East**
이 란	92.9	99.1	151.2	151.2	9.1%	95.8	Iran
이 라 크	100.0	115.0	115.0	143.1	8.7%	*	Iraq
쿠 웨 이 트	96.5	96.5	101.5	101.5	6.1%	97.0	Kuwait
오 만	4.3	5.9	5.5	5.5	0.3%	16.9	Oman
카 타 르	3.0	16.8	24.7	24.7	1.5%	39.3	Qatar
사 우 디 아 라 비 아	260.9	262.7	264.5	265.4	16.1%	65.2	Saudi Arabia
시 리 아	3.0	2.3	2.5	2.5	0.2%	20.6	Syria
아 랍 에 미 레 이 트	98.1	97.8	97.8	97.8	5.9%	80.7	United Arab Emirates
예 멘	2.0	2.4	2.7	2.7	0.2%	32.0	Yemen
아 프 리 카	**60.4**	**96.8**	**132.7**	**132.4**	**8.0%**	**41.2**	**Total Africa**
알 제 리 아	9.2	11.3	12.2	12.2	0.7%	19.3	Algeria
앙 골 라	1.4	6.5	13.5	13.5	0.8%	21.2	Angola
차 드	–	0.9	1.5	1.5	0.1%	36.1	Chad
콩 고	0.7	1.6	1.9	1.9	0.1%	18.0	Rep.of Congo (Brazzaville)
이 집 트	3.5	3.7	4.5	4.3	0.3%	16.0	Egypt
기 니 아	0.3	1.1	1.7	1.7	0.1%	18.5	Equatorial Guinea
가 봉	0.9	2.4	3.7	3.7	0.2%	41.2	Gabon
리 비 아	22.8	36.0	47.1	47.1	2.9%	*	Libya
나 이 지 리 아	20.0	31.5	37.2	37.2	2.3%	41.5	Nigeria
수 단	0.3	0.7	6.7	6.7	0.4%	40.5	Sudan
튜 니 지 아	0.4	0.5	0.4	0.4	•	15.0	Tunisia
아 시 아 · 태 평 양	**37.0**	**40.5**	**41.7**	**41.3**	**2.5%**	**14.0**	**Total Asia Pacific**
호 주	3.2	5.0	3.8	3.9	0.2%	21.9	Australia
브 르 나 이	1.1	1.2	1.1	1.1	0.1%	18.2	Brunei
중 국	15.5	15.4	14.8	14.7	0.9%	9.9	China
인 도	6.1	5.5	5.8	5.7	0.3%	18.2	India
인 도 네 시 아	5.9	5.1	4.2	4.0	0.2%	11.8	Indonesia
말 레 이 지 아	3.7	4.5	5.9	5.9	0.4%	28.0	Malaysia
태 국	0.2	0.6	0.4	0.4	•	3.5	Thailand
베 트 남	0.2	2.2	4.4	4.4	0.3%	36.7	Vietnam

Note : 1) * More than 100years, ^ Less than0.05, • Less than 0.05%
2) If the reserves remaining at the end of any year are divided by the production in that year, the result is the length of time that those remaining reserves would last if production were to continue at that rate.
Source : BP Statistical Review of World Energy 2012

2-5. 국별 원유 생산

단위 : 천 배럴/일 Unit : Thousand Barrels/daily

	1985	1995	2000	2005	2009	2010	2011	11년점유율 share of total	
전 세 계	**57,439.0**	**67,970.3**	**74,795.5**	**81,391.0**	**80,731.7**	**82,480.3**	**83,575.7**	**100.0%**	**Total World**
북 미	**15,304.8**	**13,778.9**	**13,910.2**	**13,701.5**	**13,471.0**	**13,880.3**	**14,300.6**	**16.8%**	**Total North America**
미 국	10,580.0	8,322.0	7,733.0	6,895.0	7,270.5	7,554.9	7,841.3	8.8%	US
캐 나 다	1,812.8	2,402.1	2,721.3	3,040.9	3,222.1	3,367.2	3,521.6	4.3%	Canada
멕 시 코	2,912.0	3,054.8	3,455.9	3,765.6	2,978.5	2,958.2	2,937.8	3.6%	Mexico
중 남 미	**3,720.0**	**5,782.3**	**6,813.3**	**6,963.2**	**7,229.1**	**7,293.3**	**7,380.9**	**9.5%**	**Total S. & Cent. America**
브 라 질	560.0	718.0	1,268.0	1,715.6	2,029.0	2,137.4	2,192.9	2.9%	Brazil
베 네 쥬 엘 라	1,744.0	2,959.0	3,239.0	3,002.5	2,914.1	2,774.7	2,720.3	3.5%	Venezuela
유 럽	**16,415.4**	**13,791.3**	**14,911.8**	**17,475.7**	**17,703.4**	**17,628.5**	**17,314.2**	**21.0%**	**Total Europe & Eurasia**
아제르바이잔	273.5	185.1	282.3	452.0	1,032.6	1,035.9	930.7	1.1%	Azerbaijan
카 자 흐 스 탄	484.8	450.4	771.6	1,401.7	1,745.9	1,818.0	1,840.7	2.1%	Kazakhstan
노 르 웨 이	823.0	2,903.0	3,346.0	2,969.0	2,357.5	2,137.0	2,039.3	2.3%	Norway
러 시 아 연 합	10,862.6	6,235.8	6,472.9	9,443.0	9,927.4	10,150.2	10,280.3	12.8%	Russian Federation
영 국	2,675.3	2,749.1	2,666.7	1,809.2	1,451.7	1,338.9	1,099.7	1.3%	United Kingdom
중 동	**10,645.4**	**20,226.0**	**23,523.7**	**25,391.9**	**24,633.0**	**25,314.0**	**27,689.7**	**32.6%**	**Total Middle East**
이 란	2,205.2	3,743.8	3,852.3	4,183.5	4,248.5	4,338.5	4,321.1	5.2%	Iran
이 라 크	1,425.3	530.3	2,613.8	1,833.0	2,446.7	2,480.0	2,798.1	3.4%	Iraq
쿠 웨 이 트	1,127.0	2,130.0	2,237.4	2,654.1	2,477.1	2,517.6	2,865.4	3.5%	Kuwait
오 만	502.0	868.0	958.7	777.9	812.7	864.6	891.0	1.1%	Oman
카 타 르	315.2	460.9	756.9	1,027.9	1,344.9	1,568.7	1,722.6	1.8%	Qatar
사우디아라비아	3,601.0	9,092.1	9,438.7	11,032.8	9,808.9	9,955.1	11,160.6	13.2%	Saudi Arabia
아랍에미레이트	1,260.0	2,401.0	2,619.8	2,982.5	2,749.9	2,866.5	3,322.1	3.8%	United Arab Emirates
아 프 리 카	**5,432.7**	**7,111.2**	**7,803.6**	**9,954.2**	**9,791.8**	**10,113.6**	**8,804.5**	**10.4%**	**Total Africa**
알 제 리 아	1,150.9	1,326.6	1,578.0	2,014.6	1,815.9	1,762.2	1,728.6	1.9%	Algeria
앙 골 라	232.5	632.9	746.1	1,404.8	1,824.0	1,883.1	1,746.4	2.1%	Angola
리 비 아	1,025.0	1,439.0	1,475.0	1,745.0	1,652.0	1,658.5	479.1	0.6%	Libya
나 이 지 리 아	1,499.0	1,998.0	2,155.0	2,551.0	2,119.8	2,452.9	2,457.4	2.9%	Nigeria
아 시 아	5,920.7	7,280.7	7,832.9	7,904.4	7,903.3	8,250.6	8,085.8	9.7%	Total Asia Pacific
중 국	2,508.3	2,992.6	3,256.8	3,642.0	3,805.4	4,077.0	4,089.7	5.1%	China
인 도 네 시 아	1,342.0	1,578.0	1,455.6	1,090.4	990.5	1,002.9	941.7	1.1%	Indonesia

주 : 원유, 셰일유, 오일샌드, NGL 포함. 바이오매스와 석탄 파생물 등의 다른 에너지원의 액체연료는 제외.
자료 : BP Statistical Review of World Energy 2012.

2-5. Crude Oil Production by Countires

단위 : 백만 톤 Unit : Million tonnes

	1985	1995	2000	2005	2009	2010	2011	11년점유율 share of total	
전 세 계	**2,796.8**	**3,286.1**	**3,618.2**	**3,916.4**	**3,869.3**	**3,945.4**	**3,995.6**	**100.0%**	**Total World**
북 미	**730.2**	**645.7**	**651.0**	**645.5**	**632.1**	**650.6**	**670.0**	**16.8%**	**Total North America**
미 국	498.7	383.6	352.6	313.3	328.6	339.9	352.3	8.8%	US
캐 나 다	85.7	111.9	127.0	144.9	156.1	164.4	172.6	4.3%	Canada
멕 시 코	145.9	150.2	171.4	187.3	147.4	146.3	145.1	3.6%	Mexico
중 남 미	**192.6**	**300.1**	**351.5**	**357.7**	**371.9**	**375.2**	**379.9**	**9.5%**	**Total S. & Cent. America**
브 라 질	29.4	37.6	66.8	89.3	106.0	111.7	114.6	2.9%	Brazil
베 네 쥬 엘 라	91.5	155.3	167.3	154.5	149.9	142.5	139.6	3.5%	Venezuela
유 럽	807.2	669.4	724.7	844.8	856.8	854.2	838.8	21.0%	Total Europe & Eurasia
아 제 르 바 이 잔	13.2	9.2	14.1	22.4	50.6	50.8	45.6	1.1%	Azerbaijan
카 자 흐 스 탄	22.7	20.6	35.3	62.6	78.2	81.6	82.4	2.1%	Kazakhstan
노 르 웨 이	39.2	138.4	160.2	138.2	108.8	98.6	93.4	2.3%	Norway
러 시 아 연 합	542.3	310.7	323.3	470.0	494.2	505.1	511.4	12.8%	Russian Federation
영 국	127.6	129.9	126.2	84.7	68.2	63.0	52.0	1.3%	United Kingdom
중 동	**516.5**	**979.2**	**1,140.5**	**1,215.9**	**1,166.6**	**1,190.9**	**1,301.4**	**32.6%**	**Total Middle East**
이 란	110.4	185.5	191.1	205.1	204.0	207.1	205.8	5.2%	Iran
이 라 크	69.8	26.0	128.8	90.0	120.0	121.4	136.9	3.4%	Iraq
쿠 웨 이 트	55.5	104.9	110.1	130.4	121.0	122.7	140.0	3.5%	Kuwait
오 만	24.8	42.8	46.4	37.4	38.7	41.0	42.1	1.1%	Oman
카 타 르	15.3	21.8	36.1	47.3	57.9	65.7	71.1	1.8%	Qatar
사우디아라비아	172.1	437.2	455.0	524.9	462.7	466.6	525.8	13.2%	Saudi Arabia
아랍에미레이트	58.3	112.3	122.1	137.3	126.3	131.4	150.1	3.8%	United Arab Emirates
아 프 리 카	**260.9**	**339.3**	**370.9**	**472.8**	**463.0**	**478.5**	**417.4**	**10.4%**	**Total Africa**
알 제 리 아	50.0	56.6	66.8	86.4	77.8	75.5	74.3	1.9%	Algeria
앙 골 라	11.5	31.2	36.9	69.0	89.1	92.0	85.2	2.1%	Angola
리 비 아	48.4	67.9	69.5	81.9	77.1	77.4	22.4	0.6%	Libya
나 이 지 리 아	73.8	97.5	105.4	124.2	101.5	117.2	117.4	2.9%	Nigeria
아 시 아	**289.4**	**352.4**	**379.5**	**379.7**	**379.0**	**396.1**	**388.1**	**9.7%**	**Total Asia Pacific**
중 국	124.9	149.0	162.6	181.4	189.5	203.0	203.6	5.1%	China
인 도 네 시 아	66.3	76.5	71.5	53.1	47.9	48.3	45.6	1.1%	Indonesia

Note : Includes crude oil, shale oil, oil sands and NGLs(the liquid content of natural gas where this is recovered separately). Excludes liquid fuels from other sources such as biomass and coal derivatives.
Sorece : BP Statistical Review of World Energy 2012

2-6. 국별 석유제품 소비

단위 : 천 배럴/일 Unit : Thousand Barrels/daily

	1985	1995	2000	2005	2009	2010	2011	11년 점유율 share of total	
전 세 계	**59,218.0**	**70,040.5**	**76,597.0**	**83,924.7**	**84,631.5**	**87,439.3**	**88,034.5**	**100.0%**	**Total World**
북 미	**18,626.8**	**21,176.3**	**23,581.1**	**25,060.9**	**22,945.4**	**23,491.4**	**23,155.9**	**25.3%**	**Total North America**
미 국	15,726.1	17,724.8	19,701.4	20,802.2	18,771.4	19,180.1	18,835.5	20.5%	US
캐 나 다	1,556.1	1,761.3	1,922.2	2,229.2	2,178.6	2,297.7	2,293.2	2.5%	Canada
멕 시 코	1,344.6	1,690.1	1,957.6	2,029.6	1,995.4	2,013.6	2,027.2	2.2%	Mexico
중 남 미	**3,188.1**	**4,333.2**	**4,882.2**	**5,110.8**	**5,763.4**	**6,078.7**	**6,240.9**	**7.1%**	**Total S. & Cent. America**
아 르 헨 티 나	388.1	430.4	430.7	449.0	517.9	550.5	609.2	0.7%	Argentina
브 라 질	1,232.0	1,775.6	2,044.0	2,070.5	2,415.2	2,629.2	2,652.7	3.0%	Brazil
베 네 쥬 엘 라	407.1	471.5	558.8	623.2	749.1	794.4	832.0	0.9%	Venezuela
유 럽	**22,117.5**	**19,714.0**	**19,370.2**	**20,094.9**	**19,123.0**	**19,038.7**	**18,924.4**	**22.1%**	**Total Europe & Eurasia**
오 스 트 리 아	200.3	231.9	242.3	285.6	262.8	266.9	257.3	0.3%	Austria
프 랑 스	1,770.0	1,879.3	1,994.1	1,946.2	1,822.3	1,761.1	1,724.2	2.0%	France
독 일	2,648.8	2,865.1	2,745.9	2,591.5	2,408.8	2,444.9	2,362.3	2.7%	Germany
이 태 리	1,726.2	1,974.6	1,930.0	1,797.7	1,562.8	1,531.9	1,486.1	1.8%	Italy
네 덜 란 드	622.1	813.3	879.1	1,049.1	1,041.0	1,058.4	1,052.0	1.2%	Netherlands
러 시 아 연 합	4,943.7	3,105.0	2,545.6	2,620.6	2,709.7	2,804.5	2,961.0	3.4%	Russian Federation
스 페 인	914.7	1,177.1	1,422.0	1,596.8	1,475.0	1,447.2	1,391.6	1.7%	Spain
영 국	1,615.2	1,758.6	1,703.9	1,806.2	1,609.7	1,587.6	1,542.2	1.8%	United Kingdom
중 동	**3,022.0**	**4,379.2**	**5,111.1**	**6,365.4**	**7,510.1**	**7,890.5**	**8,075.8**	**9.1%**	**Total Middle East**
이 란	919.3	1,245.2	1,365.7	1,695.6	1,922.5	1,886.8	1,824.4	2.1%	Iran
사우디아라비아	954.6	1,298.6	1,578.0	1,970.1	2,555.0	2,747.7	2,855.7	3.1%	Saudi Arabia
아랍에미레이트	176.8	406.1	388.2	502.9	556.2	606.6	671.0	0.8%	United Arab Emirates
아 프 리 카	**1,721.9**	**2,217.2**	**2,464.0**	**2,864.0**	**3,243.1**	**3,377.0**	**3,336.5**	**3.9%**	**Total Africa**
이 집 트	406.9	462.9	551.9	615.6	719.2	756.8	709.5	0.8%	Egypt
남 아 공	295.5	419.6	457.0	514.1	516.7	547.3	547.3	0.6%	South Africa
아 시 아	**10,541.7**	**18,220.6**	**21,188.4**	**24,428.7**	**26,046.5**	**27,563.0**	**28,301.1**	**32.4%**	**Total Asia Pacific**
중 국	1,820.3	3,394.1	4,765.9	6,943.6	8,211.5	9,250.8	9,757.7	11.4%	China
인 도	896.9	1,581.3	2,261.5	2,567.1	3,267.4	3,332.0	3,472.6	4.0%	India
일 본	4,427.6	5,749.1	5,544.3	5,326.6	4,381.3	4,413.3	4,417.9	5.0%	Japan
한 국	537.4	2,019.7	2,263.1	2,312.1	2,339.0	2,391.5	2,397.5	2.6%	South Korea

주 : 1) 국내 수요에 국제 항공, 해상 벙커, 정제 원료와 손실량 합산
2) 연료용 에탄올과 바이오디젤 소비량 포함.
3) 세계 소비와 생산간의 차이는 재고 변화, 비석유 첨가물 및 대체 연료의 소비, 공급과 수요의 전환이나 측정의 정의 차이 등으로 발생함.
자료 : BP Statistical Review of World Energy 2012.

2-6. Petroleum Products Consumption by Countries

단위 : 백만 톤 Unit : Million tonnes

	1985	1995	2000	2005	2009	2010	2011	11년 점유율 share of total	
전 세 계	**2,804.7**	**3,271.3**	**3,571.6**	**3,908.5**	**3,908.7**	**4,028.1**	**3,995.6**	**100.0%**	**Total World**
북 미	**842.7**	**951.2**	**1,059.5**	**1,131.0**	**1,018.8**	**1,039.7**	**1,026.4**	**25.3%**	**Total North America**
미 국	711	796.7	884.1	939.8	833.2	850	833.6	20.5%	US
캐 나 다	71.2	79.8	88.1	100.3	97.1	102.3	103.1	2.5%	Canada
멕 시 코	60.5	74.8	87.3	90.9	88.5	87.4	89.7	2.2%	Mexico
중 남 미	**149.8**	**199.1**	**226.6**	**239.9**	**268.6**	**282**	**289.1**	**7.1%**	**TotalS. & Cent. America**
아르헨티나	19	19.8	20.5	20.6	23.7	25.7	28.1	0.7%	Argentina
브 라 질	54.4	77.9	91.5	94	107	116.9	120.7	3.0%	Brazil
베네쥬엘라	19.7	21.8	25.8	29.1	33.7	35.2	38.3	0.9%	Venezuela
유 럽	**1,080.3**	**945.4**	**938.6**	**970.1**	**922.2**	**922.9**	**838.8**	**21.0%**	**Total Europe & Eurasia**
오스트리아	9.8	11.3	11.8	14.2	13	13	12.5	0.3%	Austria
프 랑 스	84.3	89	94.9	93.1	87.5	83.4	82.9	2.0%	France
독 일	126.3	135.1	129.8	122.4	113.9	115.1	111.5	2.7%	Germany
이 태 리	84.4	95.5	93.5	86.7	75.1	73.1	71.1	1.8%	Italy
네 덜 란 드	29.6	38.8	42.5	50.6	49.4	49.8	50.1	1.2%	Netherlands
러시아연합	244.5	152.1	129.7	129.9	135.2	147.6	136.0	3.4%	RussianFederation
스 페 인	42.9	56.3	70	80.4	75.7	74.5	69.5	1.7%	Spain
영 국	77.4	81.9	78.6	83	74.4	73.7	71.6	1.8%	UnitedKingdom
중 동	**146.9**	**207.7**	**239**	**288.5**	**344.3**	**360.2**	**371.0**	**9.1%**	**Total Middle East**
이 란	43.6	58.9	62.7	78.4	85.1	86	87.0	2.1%	Iran
사우디아라비아	46.8	58.6	73	88.1	117.2	125.5	127.8	3.1%	SaudiArabia
아랍에미레이트	8.9	21.2	20.1	26.7	29.8	32.3	30.5	0.8%	UnitedArabEmirates
아 프 리 카	**82.9**	**104.7**	**116.9**	**134.5**	**150.9**	**155.5**	**158.3**	**3.9%**	**Total Africa**
이 집 트	20.8	23.3	27.2	29.8	34.4	36.3	33.7	0.8%	Egypt
남 아 공	14.1	20	22	24.6	24.7	25.3	26.2	0.6%	SouthAfrica
아 시 아	**502.2**	**863.2**	**991.1**	**1,144.5**	**1,203.8**	**1,267.8**	**1,316.1**	**32.4%**	**Total Asia Pacific**
중 국	89.8	160.2	224.2	327.8	388.2	428.6	461.8	11.4%	China
인 도	43.3	75.2	106.1	119.6	151	155.5	162.3	4.0%	India
일 본	206.3	266.4	255	244.8	198.7	201.6	201.4	5.0%	Japan
한 국	**26.1**	**94.8**	**103.2**	**104.4**	**103**	**105.6**	**106.0**	**2.6%**	**SouthKorea**

Note 1) Inland demand plus international aviation and marine bunkers and refinery fuel and loss.
2) Consumption of fuel ethanol and biodiesel is also included.
3) Differences between these world consumption figures and world production statistics are accounted for by stock changes, consumption of non-petroleum additives and substitute fuels, and unavoidable disparities in the definition, measurement or conversion of oil supply and demand data.

Sorece : BP Statistical Reviewof World Energy 2012

2-7. 원유가격 International Market Prices

단위 : 달러/배럴 Unit : dollar/barrel

	OPEC[1]	Dubai[2]	Brent[3]	WTI[4]	Oman
1971	2.29	–	–	–	–
1972	2.48	1.90	–	–	–
1973	5.04	2.83	–	–	–
1974	11.25	10.41	–	–	–
1975	12.38	10.70	–	–	–
1976	12.38	11.63	12.80	12.23	–
1977	12.70	12.38	13.92	14.22	–
1978	12.70	13.03	14.02	14.55	–
1979	24.00	29.75	31.61	25.08	–
1980	32.00	35.69	36.83	37.96	–
1981	34.00	34.32	35.93	36.08	–
1982	31.05	31.80	32.97	33.65	–
1983	28.16	28.78	29.55	30.30	–
1984	27.56	28.06	28.78	29.39	–
1985	26.61	27.53	27.56	27.98	27.03
1986	13.83	13.10	14.43	15.10	13.38
1987	17.28	16.95	18.44	19.18	17.27
1988	13.69	13.27	14.92	15.97	13.63
1989	16.65	15.62	18.23	19.68	16.01
1990	21.26	20.45	23.73	24.50	20.77
1991	17.70	16.63	20.00	21.54	17.09
1992	17.82	17.17	19.32	20.57	17.70
1993	15.64	14.93	16.97	18.45	15.79
1994	15.53	14.74	15.82	17.21	15.25
1995	16.86	16.10	17.02	18.42	16.40
1996	20.29	18.52	20.67	22.16	19.31
1997	18.76	18.23	19.09	20.61	18.63
1998	12.33	12.21	12.72	14.39	12.07
1999	17.45	17.25	17.97	19.31	17.30
2000	27.55	26.20	28.50	30.37	26.74
2001	23.19	22.81	24.44	25.93	22.93
2002	24.50	23.74	25.02	26.16	24.14
2003	28.17	26.78	28.83	31.07	27.41
2004	35.97	33.64	38.27	41.49	34.45
2005	50.65	49.35	54.52	56.59	50.59
2006	61.01	61.50	65.14	66.02	62.69
2007	69.46	68.19	72.39	72.20	68.83
2008	94.10	94.34	97.26	100.06	95.03
2009	60.86	61.39	61.67	61.92	62.24
2010	77.38	78.06	79.50	79.45	78.40
2011	107.44	106.18	111.26	95.04	106.73

주 : 1) 1971–1974년은 공시가격, 1975–1996년은 평균가격, 1997년 이후는 바스켓가격.
2) 1972–1985년은 Arabian Light 가격, 1986–2007년은 Dubai 가격.
3) 1976–1983년 Forties 가격, 1984–2007년은 Brent 가격.
4) 1976–1983년은 공시가격, 1984–2007년은 현물가격.
자료 : 한국석유공사, BP Statistical Review of World Energy 2012

2-8. 국별 석유 정제 능력 Refinery Capacities

단위 : 천 배럴/일 Unit : Thousand Barrels/daily

	1985	1995	2000	2005	2008	2009	2010	2011	11년 점유율 share of total	
전 세 계	**73,018**	**76,123**	**82,352**	**86,027**	**89,324**	**90,946**	**91,616**	**93,004**	**100.0%**	**Total World**
미 국	15,460	15,333	16,595	17,339	17,672	17,688	17,594	17,730	19.1%	US
중 국	2,149	4,014	5,407	7,165	8,722	9,479	10,302	10,834	11.6%	China
러 시 아 연 합	7,198	6,108	5,536	5,392	5,405	5,382	5,491	5,663	6.1%	Russian Federation
일 본	4,724	5,006	5,010	4,531	4,650	4,630	4,291	4,274	4.6%	Japan
인 도	867	1,133	2,219	2,558	2,992	3,574	3,703	3,804	4.1%	India
한 국	751	1,727	2,598	2,598	2,712	2,712	2,712	2,783	3.0%	SouthKorea
이 태 리	2,690	2,359	2,485	2,515	2,396	2,396	2,396	2,331	2.5%	Italy
사우디아라비아	1,420	1,692	1,806	2,100	2,100	2,100	2,100	2,110	2.3%	SaudiArabia
브 라 질	1,435	1,481	1,849	1,916	2,045	2,093	2,093	2,116	2.3%	Brazil
독 일	2,198	2,104	2,262	2,322	2,366	2,362	2,091	2,077	2.2%	Germany
카 나 다	1,880	1,792	1,861	1,896	1,951	1,976	1,951	2,046	2.2%	Canada
이 란	685	1,290	1,597	1,642	1,805	1,860	1,860	1,860	2.0%	Iran
영 국	1,864	1,844	1,778	1,819	1,827	1,757	1,757	1,757	1.9%	United Kingdom
프 랑 스	2,184	1,728	1,984	1,978	1,971	1,873	1,702	1,610	1.7%	France
멕 시 코	1,282	1,444	1,481	1,463	1,463	1,463	1,463	1,606	1.7%	Mexico
스 페 인	1,342	1,308	1,330	1,377	1,377	1,377	1,427	1,467	1.6%	Spain
싱 가 포 르	968	1,273	1,255	1,255	1,385	1,385	1,385	1,395	1.5%	Singapore
베 네 쥬 엘 라	1,243	1,212	1,269	1,291	1,303	1,303	1,303	1,303	1.4%	Venezuela
네 덜 란 드	1,478	1,257	1,277	1,274	1,280	1,280	1,274	1,276	1.4%	Netherlands
대 만	181	477	899	1,078	1,220	1,285	1,298	1,298	1.4%	Thailand
태 국	570	732	732	1,159	1,197	1,197	1,197	1,197	1.3%	Taiwan
인 도 네 시 아	867	991	1,127	1,057	1,052	1,085	1,139	1,141	1.2%	Indonesia
쿠 웨 이 트	644	824	740	931	931	931	931	931	1.0%	Kuwait
이 라 크	520	660	740	743	744	754	846	924	1.0%	Iraq
벨 기 에	719	692	770	778	745	823	813	823	0.9%	Belgium
호 주	670	730	828	711	734	734	740	742	0.8%	Australia
아랍에미레이트	180	220	440	620	673	673	673	673	0.7%	United Arab Emirates
아 르 헨 티 나	681	645	626	627	634	636	640	649	0.7%	Argentina
터 키	466	713	713	613	613	613	613	613	0.7%	Turkey

자료 : BP Statistical Review of World Energy 2012

2-9. 천연가스 매장량

단위 : 조 ㎥

	91년 말 기준 at end 1991	01년 말 기준 at end 2001	10년 말 기준 at end 2010	11년 말 기준 at end 2011	11년 점유율 Share of total	가채년수 R/P ratio	
전 세 계	**131.23**	**168.54**	**196.13**	**208.44**	**100.0%**	**63.6**	**Total World**
북 미	**9.45**	**7.69**	**10.32**	**10.83**	**5.2%**	**12.5**	**Total North America**
미 국	4.73	5.20	8.20	8.49	4.1%	13.0	US
캐 나 다	2.71	1.69	1.79	1.98	1.0%	12.4	Canada
멕 시 코	2.01	0.80	0.34	0.35	0.2%	6.7	Mexico
중 남 미	**5.30**	**7.01**	**7.47**	**7.58**	**3.6%**	**45.2**	**Total S. & Cent. America**
아 르 헨 티 나	0.64	0.76	0.36	0.34	0.2%	8.8	Argentina
볼 리 비 아	0.12	0.77	0.28	0.28	0.1%	18.3	Bolivia
브 라 질	0.12	0.22	0.42	0.45	0.2%	27.1	Brazil
콜 롬 비 아	0.10	0.13	0.15	0.16	0.1%	14.9	Colombia
페 루	0.34	0.25	0.35	0.35	0.2%	31.1	Peru
트리니나드토바고	0.24	0.58	0.38	0.40	0.2%	9.9	Trinidad & Tobago
베 네 쥬 엘 라	3.58	4.18	5.46	5.53	2.7%	*	Venezuela
유 럽	**54.91**	**56.77**	**67.99**	**78.69**	**37.8%**	**75.9**	**Total Europe & Eurasia**
아 제 르 바 이 잔	n/a	1.23	1.27	1.27	0.6%	85.8	Azerbaijan
덴 마 크	0.10	0.14	0.05	^	•	6.5	Denmark
독 일	0.16	0.20	0.07	0.06	•	6.2	Germany
이 태 리	0.34	0.17	0.09	0.09	•	11.4	Italy
카 자 흐 스 탄	n/a	1.78	1.88	1.88	0.9%	97.6	Kazakhstan
네 덜 란 드	1.76	1.47	1.10	1.10	0.5%	17.2	Netherlands
노 르 웨 이	1.27	2.19	2.04	2.07	1.0%	20.4	Norway
폴 란 드	0.15	0.12	0.12	0.12	0.1%	28.3	Poland
루 마 니 아	0.48	0.32	0.60	0.11	0.1%	9.9	Romania
러 시 아 연 합	n/a	42.35	44.38	44.60	21.4%	73.5	Russian Federation
투 르 크 메 니 스 탄	n/a	2.59	13.37	24.32	11.7%	*	Turkmenistan
우 크 라 이 나	n/a	1.00	0.94	0.93	0.4%	51.3	Ukraine
영 국	0.54	1.10	0.20	0.20	0.1%	4.5	United Kingdom
우 즈 베 키 스 탄	n/a	1.67	1.60	1.60	0.8%	28.1	Uzbekistan

주 : 1) *는 100년 이상, ^는 0.05이하, •는 0.05%이하
2) 계속 같은 비율로 생산된다는 가정하에 기말기준 매장량은 그 해 생산으로 나눔.
자료: : BP Statistical Review of World Energy 2012

2-9. Proven Reserves of LNG

Unit : Trillion ㎥

	91년 말 기준 at end 1991	01년 말 기준 at end 2001	10년 말 기준 at end 2010	11년 말 기준 at end 2011	11년 점유율 Share of total	가채년수 R/P ratio	
중 동	**42.72**	**70.89**	**79.36**	**80.03**	**38.4%**	*	**Total Middle East**
바 레 인	0.17	0.11	0.22	0.35	0.2%	26.8	Bahrain
이 란	19.80	26.10	33.09	33.09	15.9%	*	Iran
이 라 크	3.10	3.11	3.17	3.59	1.7%	*	Iraq
쿠 웨 이 트	1.51	1.56	1.78	1.78	0.9%	*	Kuwait
오 만	0.09	0.95	0.95	0.95	0.5%	35.8	Oman
카 타 르	6.43	25.78	25.05	25.05	12.0%	*	Qatar
사우디아라비아	5.22	6.46	8.02	8.15	3.9%	82.1	Saudi Arabia
시 리 아	0.20	0.24	0.28	0.28	0.1%	34.3	Syria
아랍에미레이트	5.79	6.06	6.09	6.09	2.9%	*	United Arab Emirates
예 멘	0.40	0.48	0.49	0.48	0.2%	50.7	Yemen
아 프 리 카	9.51	13.13	14.52	14.53	7.0%	71.7	Total Africa
알 제 리	3.63	4.52	4.50	4.50	2.2%	57.7	Algeria
이 집 트	0.40	1.56	2.21	2.19	1.1%	35.7	Egypt
리 비 아	1.31	1.31	1.50	1.50	0.7%	*	Libya
나 이 지 리 아	3.40	4.63	5.11	5.11	2.5%	*	Nigeria
아 시 아·태 평 양	**9.33**	**13.05**	**16.46**	**16.78**	**8.0%**	**35.0**	**Total Asia Pacific**
호 주	0.95	2.67	3.67	3.76	1.8%	83.6	Australia
방 글 라 데 시	0.72	0.34	0.35	0.35	0.2%	17.8	Bangladesh
브 르 나 이	0.40	0.36	0.30	0.29	0.1%	22.5	Brunei
중 국	1.00	1.37	2.85	3.05	1.5%	29.8	China
인 도	0.73	0.76	1.15	1.24	0.6%	26.9	India
인 도 네 시 아	1.84	2.60	2.97	2.97	1.4%	39.2	Indonesia
말 레 이 지 아	1.67	2.48	2.44	2.44	1.2%	39.4	Malaysia
미 안 마	0.28	0.34	0.22	0.22	0.1%	17.8	Myanmar
파 키 스 탄	0.76	0.75	0.81	0.78	0.4%	19.9	Pakistan
파 부 아 뉴 기 니	0.40	0.43	0.44	0.44	0.2%	*	Papua New Guinea
태 국	0.25	0.38	0.30	0.28	0.1%	7.6	Thailand
베 트 남	^	0.19	0.62	0.62	0.3%	72.3	Vietnam

Note : 1) * More than 100 years, ^ Less than 0.05, • Less than 0.05%
2) If the reserves remaining at the end of any year are divided by the production in that year, the result is the length of time that those remaining reserves would last if production were to continue at that rate.
sorece : BP Statistical Review of World Energy 2012

2-10. 국별 천연가스 생산

단위 : 백만 toe

	1970	1975	1985	1995	2000	2003	2004
전 세 계	**911.8**	**1,079.9**	**1,492.3**	**1,910.6**	**2,176.8**	**2,362.9**	**2,426.5**
북 미	**607.1**	**574.5**	**529.3**	**651.7**	**694.0**	**698.2**	**686.5**
미 국	546.0	494.9	427.9	480.9	495.5	494.7	480.7
카 나 다	51.0	67.5	75.8	143.8	164.0	166.2	165.3
멕 시 코	10.1	12.1	25.6	27.0	34.5	37.3	40.5
중 남 미	**16.3**	**21.2**	**41.3**	**68.0**	**90.2**	**106.8**	**118.6**
아 르 헨 티 나	5.4	6.9	12.5	22.5	33.7	36.9	40.4
트리니나드토바고	1.6	1.3	3.7	6.8	13.1	23.7	24.6
베 네 쥬 엘 라	6.9	8.5	15.6	24.8	25.1	22.7	25.6
유 럽	253.7	410.9	725.0	789.2	843.0	901.1	922.8
카 자 흐 스 탄	n/a	n/a	4.4	4.8	7.4	10.7	11.8
네 덜 란 드	24.0	69.1	61.6	61.0	52.3	52.2	61.6
노 르 웨 이	–	–	23.6	25.0	44.8	65.8	70.6
러 시 아 연 합	n/a	n/a	376.3	479.3	475.7	505.4	516.0
투르크메니스탄	n/a	n/a	67.8	26.3	38.3	48.1	47.5
영 국	9.4	30.8	35.7	63.7	97.5	92.6	86.7
우 즈 베 키 스 탄	n/a	n/a	28.2	39.5	45.9	46.8	48.8
중 동	**17.9**	**30.0**	**57.2**	**134.6**	**187.3**	**236.6**	**256.6**
이 란	11.6	18.3	13.1	31.8	54.2	73.4	76.4
카 타 르	0.9	1.8	4.9	12.2	21.3	28.3	35.3
사우디아라비아	1.5	2.4	16.9	38.6	44.8	54.1	59.1
아랍에미레이트	0.8	1.5	11.9	28.2	34.5	40.3	41.7
아 프 리 카	**2.6**	**10.7**	**42.7**	**76.7**	**117.3**	**130.4**	**139.3**
알 제 리	2.3	5.8	30.8	52.8	76.0	74.5	73.8
이 집 트	0.1	^	4.4	11.3	18.9	27.1	29.7
나 이 지 리 아	0.1	0.3	2.4	4.4	11.3	17.3	20.5
아 시 아	**14.1**	**32.6**	**96.7**	**190.4**	**244.9**	**289.8**	**302.8**
중 국	2.6	8.0	11.6	16.2	24.5	31.5	37.3
인 도 네 시 아	1.1	2.1	29.1	54.6	58.7	65.9	63.3
말 레 이 지 아	–	–	9.2	26.0	40.7	46.6	48.5

자료 : BP Statistical Review of World Energy 2012.

2-10. Natural Gas Production by Countries

Unit : Million toe

2005	2006	2007	2008	2009	2010	2011	11년 점유율 share of total	
2,501.0	2,590.2	2,654.0	2,750.5	2,667.4	2,866.7	2,954.8	100.0%	Total World
678.5	695.3	712.6	729.2	729.4	743.4	784.0	26.5%	Total North America
467.6	479.3	499.6	521.7	532.7	549.9	592.3	20.0%	US
168.4	169.6	164.4	158.9	147.6	143.9	144.4	4.9%	Canada
42.5	46.3	48.6	48.5	49.1	49.6	47.2	1.6%	Mexico
124.8	136.0	137.2	141.8	136.7	146.5	150.9	5.1%	Total S. & Cent. America
41.1	41.5	40.3	39.7	37.2	36.1	34.9	1.2%	Argentina
27.9	32.8	35.1	35.4	36.5	38.2	36.6	1.2%	Trinidad & Tobago
24.7	28.3	26.6	27.0	25.8	27.2	28.1	0.9%	Venezuela
926.1	937.6	938.8	967.9	859.4	924.2	932.7	31.6%	Total Europe & Eurasia
12.2	12.5	15.0	16.8	16.0	15.8	17.3	0.6%	Kazakhstan
56.3	55.4	54.5	60.0	56.4	63.5	57.8	2.0%	Netherlands
76.5	78.9	80.7	89.4	93.4	95.7	91.3	3.1%	Norway
522.1	535.6	532.8	541.5	474.9	530.0	546.3	18.5%	Russian Federation
51.3	54.3	58.9	59.5	32.7	38.1	53.6	1.8%	Turkmenistan
79.4	72.0	64.9	62.7	53.7	51.4	40.7	1.4%	United Kingdom
48.6	49.0	53.2	56.0	54.0	53.7	51.3	1.7%	Uzbekistan
287.9	305.2	322.1	345.9	366.3	425.1	473.5	16.0%	Total Middle East
93.2	97.7	100.7	104.7	118.0	131.5	136.6	4.6%	Iran
41.2	45.6	56.9	69.3	80.4	105.0	132.2	4.5%	Qatar
64.1	66.2	67.0	72.4	70.6	78.9	89.3	3.0%	Saudi Arabia
43.0	44.1	45.3	45.2	43.9	46.2	46.6	1.6%	United Arab Emirates
156.9	172.1	182.8	190.4	179.3	192.2	182.4	6.2%	Total Africa
79.4	76.0	76.3	77.2	71.6	72.4	70.2	2.4%	Algeria
38.3	49.2	50.1	53.1	56.4	55.2	55.1	1.9%	Egypt
20.2	25.6	31.5	31.5	22.3	32.9	35.9	1.2%	Nigeria
326.8	344.2	360.4	375.4	396.2	435.2	431.2	14.6%	Total Asia Pacific
44.4	52.7	62.3	72.3	76.7	85.4	92.3	3.1%	China
64.1	63.2	60.9	62.7	64.7	73.8	68.0	2.3%	Indonesia
55.0	57.0	58.1	58.2	57.7	56.3	55.6	1.9%	Malaysia

Source : BP Statistical Review of World Energy 2012.

2-11. 국별 천연가스 소비

단위 : 백만 toe

	1965	1975	1985	1995	2000	2003	2004
전 세 계	**593.8**	**1,071.1**	**1,487.5**	**1,927.0**	**2,173.9**	**2,347.0**	**2,417.8**
북 미	**425.4**	**558.4**	**524.2**	**673.8**	**720.8**	**708.6**	**713.0**
미 국	397.4	502.7	446.1	571.3	600.4	575.3	577.3
캐 나 다	20.5	43.6	52.2	74.2	83.4	87.9	85.6
멕 시 코	7.5	12.1	25.9	28.3	37.0	45.4	50.2
중 남 미	**12.8**	**21.0**	**41.3**	**67.6**	**86.4**	**97.1**	**105.8**
아 르 헨 티 나	3.8	8.1	14.4	24.3	29.9	31.1	34.1
베 네 쥬 엘 라	6.1	8.5	15.6	24.8	25.1	22.7	25.6
유 럽	**140.3**	**431.9**	**742.2**	**823.4**	**884.3**	**953.7**	**974.9**
프 랑 스	5.0	17.0	23.3	29.7	35.4	38.7	40.5
독 일	2.6	39.3	49.2	67.0	71.5	77.0	77.3
이 태 리	7.3	18.0	27.2	44.9	58.4	64.1	66.5
네 덜 란 드	1.3	31.8	32.9	34.6	35.0	36.0	36.8
러 시 아 연 합	n/a	n/a	315.4	329.9	318.6	346.4	354.7
스 페 인	–	1.3	2.1	7.5	15.2	21.3	24.7
터 키	–	–	^	6.1	13.1	18.8	19.9
우 크 라 이 나	n/a	n/a	78.4	66.5	63.9	62.1	61.7
영 국	0.7	31.6	46.6	63.5	87.2	85.8	87.7
우 즈 베 키 스 탄	n/a	n/a	28.7	37.0	41.1	41.2	39.1
중 동	**9.2**	**22.9**	**54.5**	**128.1**	**168.1**	**206.1**	**222.4**
이 란	6.6	11.1	13.1	31.7	56.6	74.6	77.9
사 우 디 아 라 비 아	0.6	2.4	16.9	38.6	44.8	54.1	59.1
아 랍 에 미 레 이 트	–	1.5	9.1	22.3	28.3	34.1	36.2
아 프 리 카	**0.9**	**4.8**	**26.1**	**42.7**	**52.6**	**65.3**	**71.7**
이 집 트	^	^	4.4	11.3	18.0	26.7	28.5
아 시 아	**5.2**	**32.1**	**99.2**	**191.4**	**261.7**	**316.2**	**330.0**
중 국	1.0	8.0	11.6	16.0	22.1	30.5	35.7
인 도	0.2	1.0	4.0	16.9	23.7	26.6	28.7
일 본	1.6	7.5	34.4	52.1	65.1	71.8	69.3
한 국	–	–	–	8.3	17.0	21.8	25.5

자료 : BP Statistical Review of World Energy 2012.

2-11. Natural Gas Consumption by Countries

Unit : Million toe

2005	2006	2007	2008	2009	2010	2011	11년 점유율 share of total	
2,497.5	**2,548.9**	**2,645.8**	**2,712.0**	**2,643.7**	**2,843.1**	**2,905.6**	**100.0%**	**Total World**
707.0	**702.1**	**740.8**	**746.6**	**735.1**	**757.9**	**782.4**	**26.9%**	**Total North America**
568.5	560.0	597.3	600.6	590.1	611.2	626.0	21.5%	US
88.0	87.3	86.6	86.5	85.4	85.5	94.3	3.2%	Canada
50.5	54.8	56.9	59.5	59.6	61.1	62.0	2.1%	Mexico
110.6	**121.9**	**121.2**	**127.2**	**121.6**	**135.2**	**139.1**	**4.8%**	**Total S. & Cent. America**
36.4	37.6	39.5	40.0	38.8	39.0	41.9	1.4%	Argentina
24.7	28.3	26.6	28.3	27.5	29.2	29.8	1.0%	Venezuela
995.3	**1,001.0**	**1,013.6**	**1,017.6**	**940.9**	**1,012.2**	**991.0**	**34.1%**	**Total Europe & Eurasia**
39.6	37.9	38.2	39.4	38.0	42.2	36.3	1.2%	France
77.6	78.5	74.6	73.1	70.2	75.0	65.3	2.2%	Germany
71.2	69.7	70.0	70.0	64.4	68.5	64.2	2.2%	Italy
35.4	34.3	33.3	34.7	35.0	39.2	34.3	1.2%	Netherlands
360.2	367.7	379.9	374.4	350.7	372.7	382.1	13.2%	Russian Federation
29.1	30.3	31.6	34.8	31.1	31.2	28.9	1.0%	Spain
24.2	27.4	32.5	33.8	32.1	35.1	41.2	1.4%	Turkey
62.1	60.3	56.9	54.0	42.3	46.9	48.3	1.7%	Ukraine
85.5	81.1	81.9	84.5	78.0	84.6	72.2	2.5%	United Kingdom
38.4	37.7	41.3	43.8	39.2	41.0	44.2	1.5%	Uzbekistan
251.3	**262.3**	**272.8**	**298.7**	**309.7**	**339.5**	**362.8**	**12.5%**	**Total Middle East**
94.5	97.8	101.7	107.4	118.2	130.1	138.0	4.7%	Iran
64.1	66.2	67.0	72.4	70.6	78.9	89.3	3.1%	SaudiArabia
37.8	39.0	44.3	53.5	53.2	54.7	56.6	1.9%	UnitedArabEmirates
74.7	**79.3**	**85.0**	**90.1**	**89.0**	**96.2**	**98.8**	**3.4%**	**Total Africa**
28.4	32.9	34.5	36.8	38.3	40.6	44.7	1.5%	Egypt
358.6	**382.3**	**412.4**	**431.8**	**447.4**	**502.1**	**531.5**	**18.3%**	**Total Asia Pacific**
42.1	50.5	63.5	73.2	80.6	96.8	117.6	4.0%	China
32.1	33.5	36.1	37.2	45.9	55.7	55.0	1.9%	India
70.7	75.4	81.2	84.4	78.7	85.1	95.0	3.3%	Japan
27.3	28.8	31.2	32.1	30.5	38.7	41.9	1.4%	SouthKorea

Source : BP Statistical Review of World Energy 2012.

2-12. 석탄 매장량

단위 : 백만 톤

	무연탄/역청탄 Anthracite & bituminous	아역청탄 Sub-bituminous & lignite	합 계 Total	11년 점유율 Share of Total	가채년수 R/P ratio	
전 세 계	**404,762**	**456,176**	**860,938**	**100.0%**	**112**	**Total World**
북 미	**112,835**	**132,253**	**245,088**	**28.5%**	**228**	**Total North America**
미 국	108,501	128,794	237,295	27.6%	239	US
캐 나 다	3,474	3,108	6,582	0.8%	97	Canada
멕 시 코	860	351	1,211	0.1%	77	Mexico
중 남 미	**6,890**	**5,618**	**12,508**	**1.5%**	**124**	**Total S. & Cent. America**
브 라 질	–	4,559	4,559	0.5%	*	Brazil
콜 롬 비 아	6,366	380	6,746	0.8%	79	Colombia
베 네 쥬 엘 라	479	–	479	0.1%	55	Venezuela
기 타 국	45	679	724	0.1%	*	Other S. & Cent. America
유 럽	**92,990**	**211,614**	**304,604**	**35.4%**	**242**	**Total Europe & Eurasia**
불 가 리 아	2	2,364	2,366	0.3%	64	Bulgaria
체 코	192	908	1,100	0.1%	19	Czech Republic
독 일	99	40,600	40,699	4.7%	216	Germany
그 리 스	–	3,020	3,020	0.4%	53	Greece
헝 가 리	13	1,647	1,660	0.2%	174	Hungary
카 자 흐 스 탄	21,500	12,100	33,600	3.9%	290	Kazakhstan
폴 란 드	4,338	1,371	5,709	0.7%	41	Poland
루 마 니 아	10	281	291	•	8	Romania
러 시 아 연 합	49,088	107,922	157,010	18.2%	471	Russian Federation
스 페 인	200	330	530	0.1%	81	Spain

주 : *는 100년이상, ^는 0.05이하, •는 0.05%이하
자료 : BP Statistical Review of World Energy 2012.

2-12. Proven Reserves of Coal

Unit : Million ton

	무연탄/역청탄 Anthracite & bituminous	아역청탄 Sub-bituminous & lignite	합 계 Total	11년 점유율 Share of Total	가채년수 R/P ratio	
터 키	529	1,814	2,343	0.3%	30	Turkey
우 크 라 이 나	15,351	18,522	33,873	3.9%	390	Ukraine
영 국	228	–	228	•	12	United Kingdom
기 타 국	1,440	20,735	22,175	2.6%	238	Other Europe & Eurasia
중 동 · 아 프 리 카	**32,721**	**174**	**32,895**	**3.8%**	**126**	**Total Middle East & Africa**
남 아 공	30,156	–	30,156	3.5%	118	South Africa
짐 바 브 웨	502	–	502	0.1%	202	Zimbabwe
기 타 국	860	174	1,034	0.1%	*	Other Africa
중 동	1,203	–	1,203	0.1%	*	Middle East
아시아 · 태평양	**159,326**	**106,517**	**265,843**	**30.9%**	**53**	**Total Asia Pacific**
호 주	37,100	39,300	76,400	8.9%	184	Australia
중 국	62,200	52,300	114,500	13.3%	33	China
인 도	56,100	4,500	60,600	7.0%	103	India
인 도 네 시 아	1,520	4,009	5,529	0.6%	17	Indonesia
일 본	340	10	350	•	275	Japan
뉴 질 랜 드	33	538	571	0.1%	115	New Zealand
북 한	300	300	600	0.1%	19	North Korea
파 키 스 탄	–	2,070	2,070	0.2%	*	Pakistan
한 국	–	126	126	•	60	South Korea
태 국	–	1,239	1,239	0.1%	58	Thailand
베 트 남	150	–	150	•	3	Vietnam
기 타 국	1,583	2,125	3,708	0.4%	88	Other Asia Pacific

Note : * More than 500 years, • less than 0.05%
Source : BP Statistical Review of World Energy 2012.

2-13. 국별 석탄 생산

단위 : 백만 toe

	1965	1975	1985	1995	2000	2003	2004
전 세 계	**1,853.5**	**2,100.1**	**2,270.7**	**2,354.3**	**2,480.5**	**2,668.1**	**2,893.2**
북 미	**487.9**	**525.4**	**602.3**	**611.6**	**609.5**	**589.5**	**610.7**
미 국	463.1	487.0	555.1	570.1	570.1	553.6	572.4
캐 나 다	23.2	35.5	43.0	36.1	34.2	31.3	33.5
멕 시 코	1.7	2.9	4.1	5.4	5.3	4.6	4.7
중 남 미	**6.3**	**10.5**	**22.8**	**33.9**	**33.9**	**39.9**	**43.0**
브 라 질	2.6	3.5	2.0	2.9	1.9	1.8	2.0
유 럽	**785.9**	**794.6**	**499.2**	**430.4**	**427.2**	**439.8**	**440.6**
체 코	42.7	43.9	27.3	25.0	24.3	24.2	23.5
독 일	146.3	144.8	74.6	56.5	55.0	54.1	54.7
그 리 스	3.5	4.8	7.5	8.2	9.1	9.0	9.1
카 자 흐 스 탄	n/a	68.0	42.6	38.5	37.8	43.3	44.4
폴 란 드	98.1	118.0	91.1	71.3	71.3	71.4	70.5
러 시 아 연 합	n/a	176.2	118.5	116.0	117.3	127.1	131.7
터 키	6.9	10.7	12.1	13.4	11.5	10.4	10.1
우 크 라 이 나	n/a	96.5	43.2	42.0	42.8	41.6	42.2
영 국	75.7	54.9	31.8	19.0	18.2	17.2	15.3
중 동	**0.4**	**0.8**	**0.7**	**0.8**	**0.8**	**0.7**	**0.8**
아 프 리 카	**78.3**	**103.2**	**121.9**	**130.7**	**128.0**	**137.5**	**140.9**
남 아 공	74.9	99.8	116.9	126.6	124.1	134.1	137.2
아 시 아·태 평 양	**494.6**	**665.6**	**1,023.8**	**1,147.0**	**1,281.2**	**1,460.8**	**1,657.3**
호 주	65.1	88.3	129.5	166.5	184.3	189.4	196.8
중 국	310.9	443.9	711.0	762.5	853.8	1,013.4	1,174.1
인 도	62.9	71.4	117.7	132.2	138.5	144.4	155.7
인 도 네 시 아	0.2	1.2	25.7	47.4	63.5	70.3	81.4
뉴 질 랜 드	1.2	1.4	2.3	2.2	2.8	3.2	3.3
파 키 스	0.7	1.0	1.4	1.4	1.6	1.5	1.5
한 국	9.1	10.4	2.6	1.9	1.5	1.5	1.4
태 국	0.5	1.4	5.5	5.1	5.7	5.3	5.6
베 트 남	3.4	3.1	3.9	6.5	9.2	10.8	14.7

주 : 상업용 연료이며, •는 0.05% 이하.
자료 : BP Statistical Review of World Energy 2012.

2-13. Coal Production by Countries

Unit : Million toe

2005	2006	2007	2008	2009	2010	2011	11년 점유율 share of total	
3,069.3	**3,241.7**	**3,366.5**	**3,481.2**	**3,523.2**	**3,726.7**	**3,955.5**	**100.0%**	**Total World**
620.7	**634.7**	**629.4**	**637.8**	**578.7**	**592.7**	**600.0**	**15.2%**	**Total North America**
580.2	595.1	587.7	596.7	540.9	551.8	556.8	14.1%	US
35.3	34.1	35.7	35.6	32.8	36.0	35.6	0.9%	Canada
5.2	5.5	6.0	5.5	5.0	4.8	7.6	0.2%	Mexico
46.3	**51.2**	**53.6**	**56.3**	**56.4**	**57.2**	**64.8**	**1.6%**	**Total S. & Cent. America**
2.4	2.2	2.3	2.5	2.2	2.1	2.4	0.1%	Brazil
440.8	**448.0**	**449.8**	**456.9**	**426.6**	**437.3**	**457.1**	**11.6%**	**Total Europe & Eurasia**
23.5	23.8	23.6	22.8	21.0	20.8	21.6	0.5%	Czech Republic
53.2	50.3	51.5	47.7	44.4	43.7	44.6	1.1%	Germany
9.0	8.3	8.6	8.3	8.4	7.4	7.4	0.2%	Greece
44.2	49.1	50.0	56.8	51.5	56.2	58.8	1.5%	Kazakhstan
68.7	67.0	62.3	60.5	56.4	55.5	56.6	1.4%	Poland
139.2	145.1	148.0	153.4	142.1	151.1	157.3	4.0%	Russian Federation
12.6	13.7	16.0	16.8	17.1	15.8	16.6	0.4%	Turkey
41.0	41.7	39.9	41.3	38.4	39.9	45.1	1.1%	Ukraine
12.5	11.3	10.3	11.0	10.9	11.2	11.2	0.3%	United Kingdom
0.8	**0.9**	**1.0**	**1.0**	**0.7**	**0.7**	**0.7**	**•**	**Total Middle East**
141.1	**140.6**	**142.1**	**144.5**	**143.3**	**146.1**	**146.6**	**3.7%**	**Total Africa**
137.7	138.0	139.6	142.4	141.2	143.3	143.8	3.6%	South Africa
1,819.6	**1,966.3**	**2,090.7**	**2,184.8**	**2,317.4**	**2,492.7**	**2,686.3**	**67.9%**	**Total Asia Pacific**
205.7	210.8	217.1	224.1	232.1	236.0	230.8	5.8%	Australia
1,302.2	1,406.4	1,501.1	1,557.1	1,652.1	1,797.7	1,956.0	49.5%	China
162.1	170.2	181.0	195.6	210.8	217.5	222.4	5.6%	India
93.9	119.2	133.4	147.8	157.6	169.2	199.8	5.1%	Indonesia
3.3	3.6	3.0	3.0	2.8	3.3	3.1	0.1%	New Zealand
1.6	1.7	1.6	1.8	1.6	1.5	1.4	•	Pakistan
1.3	1.3	1.3	1.2	1.1	0.9	0.9	•	South Korea
5.8	5.3	5.1	5.0	5.0	5.1	6.0	0.2%	Thailand
18.3	21.8	22.4	23.0	25.2	24.6	24.9	0.6%	Vietnam

Note : Commercial solid fuels only, • less than 0.05%
Source : BP Statistical Review of World Energy 2012.

2-14. 국별 석탄 소비

단위 : 백만 toe

	1965	1975	1985	1995	2000	2003	2004
전 세 계	**1,427.0**	**1,586.7**	**2,062.4**	**2,232.2**	**2,372.2**	**2,637.7**	**2,839.3**
북 미	**308.0**	**336.6**	**469.9**	**536.3**	**606.7**	**598.4**	**601.7**
미 국	291.8	319.1	440.4	506.2	569.0	562.5	566.1
캐 나 다	15.5	15.5	26.8	25.2	31.8	27.0	28.5
중 남 미	**5.9**	**6.9**	**15.3**	**18.1**	**20.1**	**19.9**	**20.8**
브 라 질	1.7	3.0	9.9	10.8	12.5	11.8	12.8
유 럽	**852.2**	**814.4**	**851.0**	**581.6**	**525.2**	**536.3**	**530.3**
오 스 트 리 아	4.7	3.2	3.5	2.8	2.8	3.3	3.3
불 가 리 아	6.0	8.5	10.1	7.6	6.4	7.2	7.1
체 코	35.3	37.9	38.2	23.5	21.0	20.8	20.9
덴 마 크	2.1	2.5	7.1	6.6	4.0	5.7	4.6
프 랑 스	45.1	26.5	23.0	14.5	13.9	13.3	12.8
독 일	163.5	128.3	147.6	90.6	84.9	87.2	85.4
그 리 스	2.1	6.5	6.0	8.2	9.2	9.4	9.0
카 자 흐 스 탄	n/a	n/a	38.1	27.5	23.2	25.2	26.5
네 덜 란 드	9.5	2.5	7.0	9.8	8.6	9.1	9.1
폴 란 드	59.5	83.7	99.9	71.7	57.6	57.7	57.3
러 시 아 연 합	n/a	n/a	195.6	119.4	105.2	104.0	99.5
우 크 라 이 나	n/a	n/a	76.5	42.1	39.1	40.3	39.1
영 국	117.4	71.5	62.9	47.5	36.7	38.1	36.6
중 동	**0.2**	**0.7**	**2.7**	**5.5**	**7.3**	**9.0**	**9.0**
아 프 리 카	**27.9**	**39.4**	**67.5**	**78.4**	**82.7**	**89.5**	**94.1**
남 아 공	24.7	35.1	62.3	70.2	74.6	81.4	85.4
아 시 아·태 평 양	**232.8**	**388.8**	**655.9**	**1,012.3**	**1,130.2**	**1,384.6**	**1,583.4**
호 주	16.0	21.6	29.6	40.4	46.7	49.4	50.8
중 국	112.3	225.2	399.8	665.2	709.6	900.2	1,065.6
인 도	35.5	48.1	72.5	125.0	144.2	156.8	172.3
일 본	43.6	54.4	73.7	86.2	98.9	112.2	120.8
한 국	5.0	8.0	22.0	28.1	43.0	51.1	53.1
대 만	3.0	1.9	7.1	16.9	28.7	35.1	36.6

주 : 상업용 연료임.
자료 : BP Statistical Review of World Energy 2012.

2-14. Coal Consumption by Countries

Unit : Million toe

2005	2006	2007	2008	2009	2010	2011	11년 점유율 share of total	
2,982.3	**3,139.0**	**3,267.3**	**3,324.1**	**3,346.6**	**3,532.0**	**3,724.3**	**100.0%**	**Total World**
616.8	**603.9**	**612.2**	**600.8**	**529.8**	**559.5**	**533.7**	**14.3%**	**Total North America**
574.2	565.7	573.3	564.1	496.2	526.1	501.9	13.5%	US
33.3	29.1	29.8	29.9	25.2	24.0	21.8	0.6%	Canada
21.5	**21.1**	**22.8**	**24.4**	**23.1**	**28.2**	**29.8**	**0.8%**	**Total S. & Cent. America**
12.7	12.5	13.4	13.5	11.3	13.9	13.9	0.4%	Brazil
513.6	**530.3**	**533.2**	**519.8**	**471.1**	**483.3**	**499.2**	**13.4%**	**Total Europe & Eurasia**
3.1	3.1	3.0	2.8	2.3	2.6	2.5	0.1%	Austria
6.8	6.9	7.7	7.5	6.4	6.8	8.4	0.2%	Bulgaria
20.4	21.1	21.2	19.9	17.4	18.2	19.2	0.5%	Czech Republic
3.7	5.6	4.7	4.1	4.0	3.8	3.2	0.1%	Denmark
13.3	12.1	12.3	11.9	9.9	10.7	9.0	0.2%	France
82.1	83.5	85.7	80.1	71.7	76.6	77.6	2.1%	Germany
8.8	8.1	8.5	8.1	8.1	7.4	7.3	0.2%	Greece
27.2	29.8	31.7	33.4	32.6	31.6	30.2	0.8%	Kazakhstan
8.7	8.5	9.0	8.5	7.9	7.9	7.8	0.2%	Netherlands
55.7	58.0	57.9	56.0	51.9	56.4	59.8	1.6%	Poland
94.2	96.7	93.4	100.4	91.9	90.2	90.9	2.4%	Russian Federation
37.4	39.7	39.7	40.2	35.1	37.9	42.4	1.1%	Ukraine
37.4	40.9	38.4	35.6	29.9	31.0	30.8	0.8%	United Kingdom
9.1	**9.1**	**9.3**	**8.8**	**8.7**	**8.5**	**8.7**	**0.2%**	**Total Middle East**
91.7	**92.1**	**96.5**	**102.7**	**96.1**	**98.1**	**99.8**	**2.7%**	**Total Africa**
82.9	84.0	89.1	95.1	89.9	91.3	92.9	2.5%	South Africa
1,729.5	**1,882.5**	**1,993.2**	**2,067.6**	**2,217.8**	**2,354.4**	**2,553.2**	**68.6%**	**Total Asia Pacific**
53.5	56.0	54.1	54.6	54.5	43.8	49.8	1.3%	Australia
1,186.2	1,317.7	1,392.5	1,441.1	1,579.5	1,676.2	1,839.4	49.4%	China
184.4	195.4	210.3	230.4	253.8	270.8	295.6	7.9%	India
121.3	119.1	125.3	128.7	108.8	123.7	117.7	3.2%	Japan
54.8	54.8	59.7	66.1	68.6	75.9	79.4	2.1%	South Korea
38.1	39.6	41.8	40.2	38.7	40.3	41.6	1.1%	Taiwan

Note : Commercial solid fuels only.
Source : BP Statistical Review of World Energy 2012.

2-15. 국별 원자력 소비

단위 : 백만 toe

	1965	1975	1985	1995	2000	2003	2004
전 세 계	**5.8**	**82.4**	**335.3**	**525.9**	**584.3**	**598.3**	**624.9**
북 미	**0.9**	**43.8**	**105.1**	**184.3**	**197.8**	**201.1**	**210.2**
미 국	0.9	41.1	91.4	160.4	179.6	181.9	187.8
캐 나 다	0.0	2.7	13.7	22.0	16.4	16.8	20.3
중 남 미	**0.0**	**0.5**	**2.1**	**2.2**	**2.8**	**4.7**	**4.4**
아 르 헨 티 나	0.0	0.5	1.3	1.6	1.4	1.7	1.8
브 라 질	0.0	0.0	0.8	0.6	1.4	3.0	2.6
유 럽	**4.9**	**32.6**	**181.1**	**243.7**	**267.4**	**284.8**	**287.9**
벨기에룩셈부르크	0.0	1.5	7.8	9.4	10.9	10.7	10.7
체 코	0.0	0.0	0.5	2.8	3.1	5.9	6.0
핀 란 드	0.0	0.0	4.3	4.3	5.1	5.2	5.2
프 랑 스	0.2	4.1	50.7	85.4	94.0	99.8	101.7
독 일	0.0	5.5	31.4	34.9	38.4	37.4	37.8
헝 가 리	0.0	0.0	1.5	3.2	3.2	2.5	2.7
리 투 아 니 아	n/a	n/a	2.1	2.7	1.9	3.5	3.4
러 시 아 연 합	n/a	n/a	22.5	22.5	29.5	33.6	32.7
슬 로 바 키 아	0.0	0.0	2.1	2.6	3.7	4.0	3.9
스 페 인	0.0	1.7	6.3	12.5	14.1	14.0	14.4
스 웨 덴	0.0	2.7	13.3	15.8	13.0	15.3	17.3
스 위 스	0.0	1.7	5.1	5.6	6.0	6.2	6.1
우 크 라 이 나	n/a	n/a	12.1	16.0	17.5	18.4	19.7
영 국	3.4	6.9	13.8	20.1	19.3	20.1	18.1
아 프 리 카	**0.0**	**0.0**	**1.3**	**2.7**	**3.1**	**3.0**	**3.4**
남 아 공	0.0	0.0	1.3	2.7	3.1	3.0	3.4
아 시 아	**0.0**	**5.5**	**45.8**	**93.0**	**113.3**	**104.6**	**119.0**
중 국	0.0	0.0	0.0	2.9	3.8	9.8	11.4
인 도	0.0	0.5	1.0	1.7	3.6	4.1	3.8
일 본	0.0	4.9	34.4	65.1	72.3	52.1	64.7
한 국	0.0	0.0	3.8	15.2	24.7	29.3	29.6
대 만	0.0	0.0	6.5	8.0	8.7	8.8	8.9

자료 : BP Statistical Review of World Energy 2012.

2-15. Nuclear Energy Consumption by Countries

Unit : Million toe

2005	2006	2007	2008	2009	2010	2011	11년 점유율 share of total	
626.7	**635.2**	**621.8**	**619.0**	**614.1**	**626.3**	**599.3**	**100.0%**	**Total World**
209.4	**212.0**	**215.4**	**215.4**	**213.0**	**213.8**	**211.9**	**35.4%**	**Total North America**
186.3	187.5	192.1	192.0	190.3	192.2	188.2	31.4%	US
20.7	22.0	21.0	21.1	20.3	20.3	21.4	3.6%	Canada
3.8	**4.8**	**4.4**	**4.8**	**4.7**	**4.9**	**4.9**	**0.8%**	**Total S. & Cent. America**
1.6	1.7	1.6	1.6	1.8	1.6	1.4	0.2%	Argentina
2.2	3.1	2.8	3.2	2.9	3.3	3.5	0.6%	Brazil
285.4	**287.0**	**275.9**	**276.5**	**265.1**	**272.9**	**271.5**	**45.3%**	**Total Europe & Eurasia**
10.8	10.6	10.9	10.3	10.7	10.8	10.9	1.8%	Belgium & Luxembourg
5.6	5.9	5.9	6.0	6.2	6.3	6.4	1.1%	Czech Republic
5.3	5.2	5.4	5.3	5.4	5.2	5.3	0.9%	Finland
102.4	102.1	99.7	99.6	92.8	96.9	100.0	16.7%	France
36.9	37.9	31.8	33.7	30.5	31.8	24.4	4.1%	Germany
3.1	3.0	3.3	3.4	3.5	3.6	3.5	0.6%	Hungary
2.3	2.0	2.2	2.2	2.5	0.0	0.0	–	Lithuania
33.4	35.4	36.2	36.9	37.0	38.5	39.2	6.5%	Russian Federation
4.0	4.1	3.5	3.8	3.2	3.3	3.4	0.6%	Slovakia
13.0	13.6	12.5	13.3	11.9	14.0	13.0	2.2%	Spain
16.4	15.2	15.2	14.5	11.9	13.2	13.8	2.3%	Sweden
5.2	6.3	6.3	6.2	6.2	6.0	6.1	1.0%	Switzerland
20.1	20.4	20.9	20.3	18.8	20.2	20.4	3.4%	Ukraine
18.5	17.1	14.3	11.9	15.6	14.1	15.6	2.6%	United Kingdom
2.9	**2.7**	**2.8**	**2.7**	**3.1**	**3.1**	**2.9**	**0.5%**	**Total Africa**
2.9	2.7	2.8	2.7	3.1	3.1	2.9	0.5%	South Africa
125.2	**128.7**	**123.3**	**119.7**	**128.2**	**131.7**	**108.0**	**18.0%**	**Total Asia Pacific**
12.0	12.4	14.1	15.5	15.9	16.7	19.5	3.3%	China
4.0	4.0	4.0	3.4	3.8	5.2	7.3	1.2%	India
66.3	69.0	63.1	57.0	65.0	66.2	36.9	6.2%	Japan
33.2	33.7	32.3	34.2	33.4	33.6	34.0	5.7%	South Korea
9.0	9.0	9.2	9.2	9.4	9.4	9.5	1.6%	Taiwan

Source : BP Statistical Review of World Energy 2012.

2-16. 국별 수력 소비

단위 : 백만 toe

	1965	1975	1985	1995	2000	2003	2004
전 세 계	**209.5**	**325.5**	**448.3**	**562.7**	**601.7**	**598.4**	**635.8**
북 미	**73.5**	**116.9**	**139.7**	**152.9**	**151.2**	**143.6**	**143.6**
미 국	45.0	69.3	65.0	71.0	63.0	63.0	61.3
캐 나 다	26.5	44.1	68.7	75.6	80.8	76.1	76.6
멕 시 코	2.0	3.4	5.9	6.2	7.5	4.5	5.7
중 남 미	**9.2**	**26.3**	**64.3**	**105.5**	**125.8**	**129.0**	**133.8**
아 르 헨 티 나	0.3	1.2	4.7	6.5	7.7	8.8	8.0
브 라 질	5.4	16.4	40.4	57.5	68.9	69.2	72.6
콜 롬 비 아	0.8	2.2	4.1	7.3	6.9	8.1	9.0
베 네 쥬 엘 라	0.3	2.0	5.1	11.6	14.2	13.7	15.9
유 럽	**89.1**	**121.0**	**158.7**	**178.4**	**188.6**	**169.1**	**180.3**
오 스 트 리 아	3.9	5.3	7.0	8.4	9.5	8.1	7.7
프 랑 스	10.6	13.6	14.1	16.5	15.3	13.5	13.5
독 일	3.7	3.9	3.9	4.5	4.9	4.3	4.7
이 태 리	10.4	8.1	9.3	8.6	10.0	8.3	9.6
노 르 웨 이	11.2	17.5	23.3	27.7	32.2	24.0	24.7
스 웨 덴	10.5	13.1	16.2	15.3	17.8	12.1	13.7
스 위 스	5.5	7.3	7.3	8.0	8.3	7.9	7.6
터 키	0.5	1.3	2.7	8.0	7.0	8.0	10.4
중 동	**0.4**	**1.2**	**2.3**	**2.8**	**1.8**	**3.2**	**4.0**
이 란	0.4	0.8	1.3	1.9	0.9	2.2	2.7
아 프 리 카	**2.9**	**8.1**	**10.9**	**13.8**	**16.9**	**18.6**	**19.7**
이 집 트	0.4	1.5	2.0	2.6	3.2	2.9	2.9
아 시 아 · 태 평 양	**34.4**	**52.1**	**72.4**	**109.2**	**117.2**	**135.0**	**154.3**
중 국	5.0	9.9	20.9	43.1	50.3	64.2	80.0
인 도	4.3	9.0	11.7	17.2	17.4	15.7	19.0
일 본	15.8	18.3	18.7	17.8	18.5	21.1	21.1
뉴 질 랜 드	2.3	3.8	4.5	6.2	5.5	5.3	6.1
파 키 스 탄	0.5	1.1	2.9	5.1	4.0	5.8	5.5

자료 : BP Statistical Review of World Energy 2012.

2-16. Hydro Energy Consumption by Countries

Unit : Million toe

2005	2006	2007	2008	2009	2010	2011	11년 점유율 share of total	
662.3	**687.2**	**700.4**	**727.7**	**737.5**	**778.9**	**791.5**	**100.0%**	**Total World**
150.1	**153.2**	**146.3**	**152.2**	**151.4**	**147.2**	**167.6**	**21.2%**	**Total North America**
61.8	66.1	56.6	58.2	62.5	59.5	74.3	9.4%	US
82.1	80.2	83.6	85.2	82.9	79.4	85.2	10.8%	Canada
6.2	6.9	6.1	8.8	6.0	8.3	8.1	1.0%	Mexico
141.7	**148.0**	**153.0**	**153.8**	**157.7**	**158.6**	**168.2**	**21.3%**	**Total S. & Cent. America**
9.0	9.8	8.5	8.4	9.2	9.2	9.0	1.1%	Argentina
76.4	78.9	84.6	83.6	88.5	91.2	97.2	12.3%	Brazil
9.0	9.7	10.1	10.4	9.3	9.1	10.9	1.4%	Colombia
17.5	18.5	18.8	19.6	19.5	17.4	18.9	2.4%	Venezuela
180.1	**177.0**	**179.3**	**182.5**	**184.3**	**196.4**	**179.1**	**22.6%**	**Total Europe & Eurasia**
7.7	7.2	7.7	8.3	8.9	7.7	6.9	0.9%	Austria
11.8	12.7	13.2	13.7	13.0	14.2	10.3	1.3%	France
4.6	4.4	4.6	4.5	4.2	4.8	4.4	0.6%	Germany
8.2	8.4	7.4	9.4	11.1	11.5	10.1	1.3%	Italy
30.9	27.1	30.6	31.8	28.8	26.7	27.6	3.5%	Norway
16.5	14.0	15.0	15.7	14.9	15.1	15.0	1.9%	Russian Federation
7.1	7.0	8.0	8.2	8.1	8.2	7.4	0.9%	Switzerland
9.0	10.0	8.1	7.5	8.1	11.7	11.8	1.5%	Turkey
5.3	**6.6**	**6.3**	**3.2**	**2.8**	**4.1**	**5.0**	**0.6%**	**Total Middle East**
3.0	4.2	4.1	1.7	1.5	2.2	2.7	0.3%	Iran
20.4	**20.5**	**21.7**	**21.5**	**22.2**	**23.0**	**23.5**	**3.0%**	**Total Africa**
2.9	2.9	3.5	3.3	2.9	2.9	3.1	0.4%	Egypt
164.6	**181.9**	**193.8**	**214.6**	**219.0**	**249.7**	**248.1**	**31.3%**	**Total Asia Pacific**
89.8	98.6	109.8	132.4	139.3	163.4	157.0	19.8%	China
22.0	25.4	27.7	26.0	24.0	25.0	29.8	3.8%	India
17.9	20.4	17.5	17.5	16.4	20.6	19.2	2.4%	Japan
5.3	5.3	5.3	5.1	5.5	5.6	5.7	0.7%	New Zealand
6.9	6.8	7.1	6.1	6.4	6.7	6.9	0.9%	Pakistan

Source : BP Statistical Review of World Energy 2012.

2-17. 국별 발전 전력량

단위 : TWh

	1965	1975	1985	1995	2000	2003	2004
전 세 계	**11,862.0**	**13,256.0**	**14,353.5**	**14,734.8**	**15,394.4**	**16,802.9**	**17,582.6**
북 미	**3,786.1**	**4,220.7**	**4,537.6**	**4,641.0**	**4,794.1**	**4,873.1**	**4,986.4**
미 국	3,185.4	3,516.8	3,797.1	3,875.7	3,990.5	4,075.8	4,168.1
캐 나 다	478.2	551.3	558.7	573.1	599.2	580.2	587.1
멕 시 코	122.4	152.5	181.8	192.3	204.4	217.0	231.2
중 남 미	**507.4**	**642.0**	**741.8**	**764.7**	**799.4**	**854.8**	**901.4**
브 라 질	222.8	275.6	321.7	334.7	348.9	364.3	387.5
베 네 쥬 엘 라	59.3	73.4	80.9	80.6	85.2	90.1	96.9
유 럽	**4,582.4**	**4,346.1**	**4,468.0**	**4,544.1**	**4,681.1**	**4,934.1**	**5,050.3**
프 랑 스	420.2	493.9	510.9	523.6	540.8	566.9	574.3
독 일	549.9	534.7	553.4	554.9	564.5	607.5	616.0
이 태 리	216.9	241.5	259.8	265.7	276.6	293.9	303.3
폴 란 드	136.4	139.0	142.8	142.1	145.2	151.6	154.2
러 시 아 연 합	1,082.2	862.1	826.1	846.2	877.8	912.1	931.9
스 페 인	164.6	178.9	205.8	217.2	232.0	264.5	281.0
우 크 라 이 나	298.5	194.0	171.9	171.0	169.0	179.5	182.2
영 국	319.7	337.4	362.7	368.2	377.1	398.2	393.9
중 동	**239.5**	**339.6**	**408.7**	**434.1**	**461.6**	**546.1**	**579.5**
이 란	57.7	84.4	102.4	110.1	119.3	145.7	156.4
사 우 디 아 라 비 아	70.1	99.9	112.7	120.0	126.2	153.0	159.9
아 프 리 카	**317.9**	**366.8**	**411.3**	**423.6**	**439.2**	**509.1**	**540.2**
이 집 트	42.9	53.4	65.2	70.7	73.0	91.5	97.3
남 아 공	165.4	188.1	205.4	203.1	210.7	234.2	244.6
아 시 아 · 태 평 양	**2,428.8**	**3,340.8**	**3,786.0**	**3,927.4**	**4,219.0**	**5,085.8**	**5,524.8**
호 주	156.0	175.5	199.7	205.6	212.3	228.3	237.4
중 국	621.2	1,006.6	1,163.5	1,197.5	1,355.6	1,910.6	2,203.3
인 도	284.2	409.9	489.1	526.6	554.7	624.1	657.7
일 본	841.1	968.6	1,019.8	1,036.8	1,057.9	1,082.6	1,107.8
한 국	118.5	203.5	237.2	262.2	290.4	347.8	368.0
대 만	90.2	133.1	162.9	169.5	184.9	209.1	218.4

주 : 출력기준
자료 : BP Statistical Review of World Energy 2012.

2-17. Electricity Generation by Countries

Unit : TWh

2005	2006	2007	2008	2009	2010	2011	11년 점유율 share of total	
18,339.4	19,056.6	19,953.3	20,298.0	20,145.0	21,365.8	22,018.1	100.0%	Total World
5,113.4	5,116.9	5,242.1	5,204.3	5,000.1	5,183.7	5,204.5	23.6%	Total North America
4,257.4	4,266.3	4,365.0	4,325.4	4,146.6	4,331.1	4,308.0	19.6%	US
614.0	601.0	619.8	617.1	592.5	581.8	607.6	2.8%	Canada
242.0	249.6	257.3	261.8	261.0	270.8	289.0	1.3%	Mexico
938.8	990.6	1,037.4	1,069.8	1,067.2	1,102.5	1,145.6	5.2%	Total S. & Cent. America
402.9	419.3	444.6	463.1	456.6	484.8	501.3	2.3%	Brazil
105.2	114.0	115.0	120.7	124.8	116.7	123.1	0.6%	Venezuela
5,127.4	5,235.0	5,319.2	5,359.0	5,111.8	5,323.2	5,278.6	24.0%	Total Europe & Eurasia
576.2	574.6	570.0	574.6	542.4	573.2	564.3	2.6%	France
620.3	636.8	637.6	637.3	593.2	628.1	614.5	2.8%	Germany
303.7	314.1	313.9	319.1	292.6	290.7	289.2	1.3%	Italy
156.9	161.7	159.3	155.3	151.7	157.7	163.0	0.7%	Poland
954.1	992.1	1,018.7	1,040.0	993.1	1,035.7	1,051.6	4.8%	Russian Federation
294.2	302.9	312.2	317.9	296.3	303.0	279.7	1.3%	Spain
185.0	192.1	195.1	191.7	172.9	187.9	193.9	0.9%	Ukraine
398.3	397.3	396.8	388.7	376.7	381.1	365.3	1.7%	United Kingdom
625.8	665.5	719.9	764.2	811.1	871.4	912.1	4.1%	Total Middle East
169.7	184.3	196.0	206.3	215.1	226.1	230.6	1.0%	Iran
176.1	181.4	190.5	204.2	217.1	240.3	254.5	1.2%	Saudi Arabia
561.9	587.3	611.8	622.6	626.3	659.3	657.1	3.0%	Total Africa
104.0	110.7	119.0	127.9	133.3	143.5	146.0	0.7%	Egypt
244.9	253.8	263.5	258.3	249.6	259.6	262.5	1.2%	South Africa
5,971.9	6,461.2	7,022.9	7,278.0	7,528.5	8,225.7	8,820.1	40.1%	Total Asia Pacific
249.0	249.1	250.9	257.7	259.5	255.9	264.1	1.2%	Australia
2,500.3	2,865.7	3,281.6	3,466.9	3,714.7	4,207.7	4,700.1	21.3%	China
689.6	738.7	797.9	824.5	869.8	922.2	1,006.2	4.6%	India
1,153.1	1,164.3	1,180.1	1,183.7	1,114.0	1,156.0	1,104.2	5.0%	Japan
389.5	403.0	425.4	442.6	452.4	495.7	520.1	2.4%	South Korea
227.4	235.2	242.7	237.7	229.7	247.0	252.4	1.1%	Taiwan

Note : Based on gross output
Source : BP Statistical Review of World Energy 2012.

Ⅶ. 주요 경제 통계

Major Economic Statistics

1. 주요 통계 지표
Indicators of Major Statistics

2. 경제활동별 국내 총생산
Gross Domestic Product by Kind of Economic Activity

3. 수송시설 및 설비
Transport Facilities and Equipment

4. 수송실적
Transported

5. 업종별 보일러 보유 현황
Number of Boilers by Sector

6. 용량별 보일러 보유 현황
Number of Boilers by Capacity

7. 전도시 소비자 물가지수
All Cities Consumer Price Indexes

8. 생산자 물가지수
Producer Price Indexes

9. 특수 분류별 생산자 물가지수
Producer Price Indexes by Special Classification

10. 주요 에너지 제품별 생산자 물가지수
Producer Price Indexes of Major Energy Products

11. 도시가구당 월평균 소비지출
Average Monthly Consumption Expenditure per Household in Cities

1 주요 통계 지표

	추계인구 Estimates population		추계가구 Household estimates	국내총생산 GDP		GDP디플레이터 GDP Deflator
				당해년가격 At Current Prices	2005 지수기준년 연쇄가격 At Chained 2005 Prices	
	1,000 Persons	증가율(%) Growth Rate	1,000 Household	bil. Won		2005 = 100
1981	38,723	1.57	–	49,305.7	156,705.9	31.5
1982	39,326	1.56	–	56,676.8	169,698.9	33.4
1983	39,910	1.49	–	66,685.1	190,371.7	35.0
1984	40,406	1.24	–	76,523.5	209,140.7	36.6
1985	40,806	0.99	–	85,699.1	224,765.5	38.1
1986	41,214	1.00	–	100,254.1	252,276.2	39.7
1987	41,622	0.99	–	117,938.2	283,220.2	41.6
1988	42,031	0.98	–	140,524.8	316,245.2	44.4
1989	42,449	0.99	–	158,620.1	337,598.1	47.0
1990	42,869	0.99	–	191,382.8	368,985.9	51.9
1991	43,296	1.00	–	231,428.2	404,825.0	57.2
1992	43,748	1.04	–	263,993.2	428,164.0	61.7
1993	44,195	1.02	–	298,761.6	455,264.2	65.6
1994	44,642	1.01	–	349,972.6	495,199.3	70.7
1995	45,093	1.01	–	409,653.6	539,424.0	75.9
1996	45,525	0.96	–	460,952.6	578,186.4	79.7
1997	45,954	0.94	–	506,313.6	611,528.9	82.8
1998	46,287	0.72	–	501,027.2	576,586.8	86.9
1999	46,617	0.71	–	549,005.0	638,458.0	86.0
2000	47,008	0.84	14,507	603,236.0	694,628.1	86.8
2001	47,357	0.74	14,844	651,415.3	722,228.9	90.2
2002	47,622	0.56	15,170	720,539.0	773,868.4	93.1
2003	47,859	0.50	15,465	767,113.7	795,558.2	96.4
2004	48,039	0.38	15,720	826,892.7	832,305.3	99.4
2005	48,138	0.21	15,971	865,240.9	865,240.9	100
2006	48,372	0.49	16,289	908,743.8	910,048.9	99.9
2007	48,598	0.47	16,543	975,013.0	956,514.5	101.9
2008	48,949	0.72	16,791	1,026,451.8	978,498.8	104.9
2009	49,182	0.48	17,052	1,063,036.8	981,625.1	108.5
2010	49,410	0.46	17,359	1,173,274.9	1,043,666.3	112.4
2011	49,779	0.75	17,687	1,237,128.2	1,081,593.9	114.4

자료 : 통계청

1 Indicators of Major Statistics

국 민 총 소 득 GNI				1인당 명목 GNI Per Capita GNI	대미달러환율 Exchange rates to USD		
당해년가격 At Current Prices	2005지수 기준년 연쇄가격 At Chained 2005 Prices	당해년가격 At Current Prices	성장율 Growth Rate (2005 Prices)		종가환율 Closing rate		
bil. Won		bil. USD	%	USD	연평균 Average	연 말 End of	
48,162.4	160,888.3	70.7	6.2	1,826	–	–	1981
55,425.7	177,203.6	75.8	10.1	1,927	–	–	1982
65,449.3	199,868.1	84.3	12.8	2,113	–	–	1983
74,904.2	220,681.0	92.9	10.4	2,300	–	–	1984
83,666.6	236,248.6	96.1	7.1	2,355	–	–	1985
98,148.7	272,647.3	111.4	15.4	2,702	–	–	1986
116,467.2	312,051.4	141.6	14.5	3,402	–	–	1987
139,643.6	353,730.6	191.1	13.4	4,548	–	–	1988
158,334.8	383,865.6	235.8	8.5	5,556	–	–	1989
191,284.3	417,542.4	270.2	8.8	6,303	712.05	716.7	1990
231,097.1	458,379.5	315	9.8	7,276	733.83	759.5	1991
263,501.1	484,564.3	337.5	5.7	7,714	781.09	786.9	1992
298,057.1	516,733.3	371.3	6.6	8,402	802.75	807.2	1993
348,955.6	563,022.0	434.2	9.0	9,727	803.46	788.5	1994
408,013.6	608,329.1	529.2	8.0	11,735	770.94	775.7	1995
458,636.3	641,353.1	569.9	5.4	12,518	805.13	844.9	1996
502,865.4	663,697.2	528.7	3.5	11,505	953.58	1,695.0	1997
492,574.3	613,981.6	352.1	–7.5	7,607	1,394.97	1,204.0	1998
542,177.5	674,264.4	455.8	9.8	9,778	1,188.65	1,138.0	1999
600,158.8	717,900.8	530.8	6.5	11,292	1,131.12	1,264.5	2000
649,898.9	741,648.8	503.5	3.3	10,631	1,290.99	1,313.5	2001
720,996.3	797,379.1	576.2	7.5	12,100	1,250.65	1,186.2	2002
767,771.4	817,245.5	644.2	2.5	13,460	1,191.85	1,192.6	2003
829,326.7	847,525.0	724.5	3.7	15,082	1,143.74	1,035.1	2004
864,427.3	864,427.3	843.9	2.0	17,531	1,024.13	1,011.6	2005
910,134.2	898,194.2	952.5	3.9	19,691	955.08	929.8	2006
976,813.9	941,317.3	1,051.2	4.8	21,632	929.16	936.1	2007
1,034,115.4	935,248.8	937.9	–0.6	19,161	1,103.36	1,259.5	2008
1,069,783.1	950,041.1	838.1	1.6	17,041	1,276.35	1,164.5	2009
1,174,753.0	1,003,474.7	1,016.0	5.6	20,562	1,156.00	1,134.8	2010
1,240,503.9	1,018,254.8	1,119.5	1.5	22,489	1,107.99	1,151.8	2011

Source : Statistics Korea

1 주요 통계 지표(계속)

	수 출[1] Export	수 입[1] Import	경상수지[2] Current Acount Balance	상품수지 Goods	외환보유액 International Reserves	총저축 Gross Saving
	mil.USD					bil. Won
1981	21,253.8	26,131.4	-3,927.4	-5,199.6	6,891.0	11,873.6
1982	21,853.4	24,250.8	-2,133.5	-4,700.2	6,983.7	14,392.7
1983	24,445.1	26,192.2	-1,427.5	-3,516.9	6,909.7	19,164.5
1984	29,244.9	30,631.4	-385.8	-1,807.9	7,649.6	23,425.2
1985	30,283.1	31,135.7	-1,512.5	-1,692.6	7,748.6	26,405.2
1986	34,714.5	31,583.9	4,491.9	3,413.1	7,955.2	34,742.6
1987	47,280.9	41,019.8	10,778.9	7,204.7	9,192.9	45,394.0
1988	60,696.4	51,810.6	14,837.8	11,172.4	12,378.3	57,137.4
1989	62,377.2	61,464.8	5,267.2	3,922.6	15,245.2	59,845.6
1990	65,015.7	69,843.7	-1,390.4	-2,297.7	14,822.4	72,613.7
1991	71,870.1	81,524.7	-7,511.1	-6,447.9	13,733.0	87,749.3
1992	76,631.5	81,775.9	-2,239.9	-411.8	17,153.9	97,659.4
1993	82,235.9	83,800.1	2,972.9	3,731.2	20,262.4	110,458.3
1994	96,013.2	102,348.2	-3,507.7	-3,114.0	25,672.7	127,516.6
1995	125,058.0	135,118.9	-8,012.1	-4,420.1	32,712.1	147,838.7
1996	129,715.1	150,339.1	-22,953.1	-15,461.5	33,236.7	159,507.5
1997	136,164.2	144,616.4	-8,182.6	-3,860.8	20,405.5	174,381.0
1998	132,313.1	93,281.8	42,644.2	43,236.9	52,040.8	182,151.1
1999	143,685.5	119,752.3	24,478.7	27,892.7	74,054.5	188,129.4
2000	172,267.5	160,481.0	14,802.9	18,655.7	96,198.1	198,312.5
2001	150,439.1	141,097.8	8,428.1	13,029.2	102,821.4	202,141.3
2002	162,470.5	152,126.2	7,541.9	15,203.2	121,412.5	219,373.8
2003	193,817.4	178,826.7	15,584.3	24,027.9	155,352.4	244,171.9
2004	253,844.7	224,462.7	32,312.4	39,660.5	199,066.1	281,355.9
2005	284,418.7	261,238.3	18,606.5	32,856.9	210,390.7	276,445.9
2006	325,464.8	309,382.6	14,083.2	31,433.4	238,956.1	279,460.3
2007	371,489.1	356,845.7	21,769.7	37,129.1	262,224.1	299,994.0
2008	422,007.3	435,274.7	3,197.5	5,170.1	201,223.4	315,375.7
2009	363,533.6	323,084.5	32,790.5	37,866.0	269,994.7	322,861.9
2010	466,383.8	425,212.2	29,393.5	40,082.5	291,570.7	375,834.3
2011	555,213.7	524,413.1	26,505.3	30,950.3	306,402.5	392,371.7

주 : 1) 통관기준, 2) 국제수지 기준
자료 : 통계청

1 Indicaotrs of Major Statistics(Continued)

총투자 Gross Investment	총통화 Money Supply 연말 : End of Years (M2)	광공업생산지수 Industrial Production Indexes		물가지수 Price Indexes		
		총지수 All Items	제조업 Manufacturing	생산자 Producer	소비자 Consumer	
bil. Won		2005 = 100			2010=100	
11,475.6	17,814	11.9	11.6	56.6	29.5	1981
14,549.9	24,414	12.5	12.1	59.2	31.6	1982
19,098.6	30,007	14.4	14.1	59.3	32.6	1983
23,297.7	35,704	16.6	16.3	59.8	33.4	1984
26,291.1	42,162	17.3	17.0	60.3	34.2	1985
34,612.9	54,620	20.9	20.7	59.4	35.2	1986
44,882.6	71,161	25.0	25.0	59.7	36.2	1987
56,524.7	92,387	28.3	28.3	61.3	38.8	1988
59,989.6	116,204	29.2	29.1	62.2	41.0	1989
72,310.2	145,604	31.7	31.7	64.8	44.5	1990
87,607.3	174,030	34.8	34.7	67.9	48.7	1991
97,628.8	211,469	36.8	36.8	69.4	51.7	1992
110,246.7	248,271	38.5	38.3	70.4	54.2	1993
127,537.5	300,657	42.8	42.6	72.3	57.6	1994
147,435.1	370,600	47.9	47.7	75.7	60.2	1995
159,123.3	432,316	52.0	51.7	78.2	63.2	1996
174,291.3	517,307	54.5	54.1	81.2	66.0	1997
182,790.9	639,664	51.0	50.6	91.1	70.9	1998
189,385.5	672,544	63.6	63.4	89.2	71.5	1999
199,164.7	707,979	74.3	74.3	91	73.1	2000
202,689.3	764,979	74.7	74.4	90.6	76.1	2001
219,485.1	872,076	80.7	80.4	90.3	78.2	2002
243,892.6	898,069	85.2	84.9	92.3	80.9	2003
281,543.1	954,723	94.0	94.0	97.9	83.8	2004
276,890.7	1,021,449	100.0	100.0	100	86.1	2005
279,325.0	1,149,262	108.4	108.7	100.9	88.1	2006
300,152.9	1,273,612	115.9	116.4	102.3	90.3	2007
315,777.1	1,425,888	119.8	120.3	111.1	94.5	2008
323,434.9	1,566,850	119.7	120.0	110.9	97.1	2009
374,579.5	1,660,530	139.2	140.1	115.1	100.0	2010
389,946.2	1,751,458	148.8	149.9	122.1	104.0	2011

Note : 1) Based on Customs Clearance, 2) Based on B.O.P
Source : Statistics Korea

2 경제활동별 국내 총생산

단위 : 십억 원

	농업, 임업 및 어업 Agriculture, Forestry & Flshing	광 업 Mining & Quarrying	제조업 Manufacturing	음식료품, 담배제조 Food & totacco	섬유, 가죽제품제조 Textile Products & leather	목재, 종이, 출판 및 인쇄 Wood, paper & Piblications	석유, 석탄 및 화학제품제조 Petroleum & Chemical
1981	16,894.9	2,265.8	24,208.4	4,900.4	8,564.9	1,953.6	4,798.4
1982	18,155.6	2,013.5	25,696.4	5,357.0	8,316.6	2,102.8	5,014.2
1983	19,648.6	2,160.0	29,787.9	5,781.7	8,789.7	2,481.9	5,517.3
1984	19,041.1	2,263.1	35,237.7	6,485.1	10,024.8	2,881.6	6,354.3
1985	20,147.4	2,399.9	37,519.9	6,775.2	10,457.1	3,001.2	6,915.9
1986	21,167.9	2,535.8	45,401.1	7,386.9	12,259.3	3,397.1	7,949.2
1987	20,161.9	2,536.7	54,225.9	7,751.6	14,056.3	3,943.4	8,893.4
1988	22,017.4	2,533.1	61,137.9	8,221.5	14,095.1	4,705.9	10,455.3
1989	21,909.7	2,430.9	63,333.8	8,354.6	13,245.9	5,376.3	10,886.4
1990	20,612.9	2,228.6	69,374.7	8,397.8	13,288.6	5,112.5	12,130.4
1991	21,200.9	2,271.5	76,279.8	9,119.4	12,814.7	5,536.1	13,992.2
1992	23,033.4	2,017.0	80,111.0	9,159.0	12,170.9	5,793.5	15,917.1
1993	21,986.9	2,006.0	84,143.7	9,310.2	10,822.7	5,753.4	17,247.5
1994	21,941.5	2,209.3	92,721.3	9,724.4	10,740.0	6,466.4	18,716.7
1995	23,405.8	2,184.2	102,786.7	9,675.4	9,887.1	6,643.7	20,113.2
1996	24,341.9	2,185.8	109,995.4	10,092.3	9,843.4	6,608.2	21,330.2
1997	25,363.7	2,169.2	116,406.0	10,216.6	10,069.2	6,976.3	24,369.0
1998	23,410.6	1,795.0	107,926.0	9,739.6	8,683.3	6,185.9	24,078.0
1999	24,609.6	1,926.4	132,755.8	10,202.9	10,798.7	7,402.2	26,077.4
2000	24,883.1	1,953.5	155,888.0	10,918.9	11,873.7	7,534.4	28,542.8
2001	25,275.5	1,938.3	159,650.3	11,084.5	11,996.3	7,395.8	30,996.8
2002	24,715.4	1,941.2	173,606.9	11,488.1	13,172.6	7,997.4	33,301.8
2003	23,386.9	2,009.2	182,939.8	11,349.0	11,498.5	7,903.4	33,588.5
2004	25,511.6	2,001.7	201,171.3	11,606.0	10,992.7	7,596.0	35,858.4
2005	25,853.0	1,992.9	213,646.2	11,251.2	10,910.8	7,646.8	36,770.4
2006	26,240.2	1,991.9	230,892.6	11,204.8	11,200.6	7,772.3	38,795.9
2007	27,294.0	1,909.8	247,408.1	11,405.8	10,969.1	7,765.7	40,182.4
2008	28,826.9	1,922.1	254,466.7	11,546.0	11,201.0	7,983.6	40,273.8
2009	29,759.2	1,906.0	250,567.7	11,173.1	10,417.0	8,454.7	39,569.6
2010	28,443.8	1,743.0	287,376.9	11,188.0	11,034.0	8,824.2	43,462.2
2011	27,862.0	1,662.6	308,012.5	11,436.9	11,153.8	8,620.2	45,315.9

주 : 2005년 지수기준년 연쇄가격, 원계열
자료 : 한국은행

2 Gross Domestic Product by Kind of Economic Activity

Unit : Billion Won

비금속광물 제품제조 Non-metallic minerals	금속제품 제조 Basic metals	일반기계 제조 Machinery & equipment	전기전자기기 Electrical machinery	의료정밀기기 Medical precision	운수장비 제조 Transport equipment	가구 및 기타제조 Furniture & other	
1,330.2	4,436.5	1,080.7	916.6	238.6	1,534.9	1,283.6	1981
1,435.6	4,968.1	1,210.2	964.2	257.1	1,847.6	1,405.8	1982
1,818.6	5,928.2	1,584.2	1,281.5	255.4	2,276.4	1,720.0	1983
2,134.6	7,037.5	1,812.9	1,649.2	378.8	2,947.9	2,005.8	1984
2,306.7	7,866.6	1,937.5	1,647.0	411.1	3,263.8	2,076.7	1985
2,773.7	9,401.4	2,468.2	2,463.9	500.4	3,681.9	2,938.6	1986
3,215.3	10,603.5	3,261.7	3,520.1	703.2	4,496.6	3,783.8	1987
3,781.7	11,697.2	3,655.2	4,339.7	729.5	5,421.3	4,246.4	1988
4,002.4	13,071.1	4,042.3	4,350.6	715.0	5,685.9	4,260.8	1989
4,379.5	14,655.1	4,550.7	4,989.2	815.1	7,172.9	4,257.4	1990
5,253.2	16,248.6	5,519.7	5,220.1	928.7	8,308.4	4,358.2	1991
5,641.2	16,406.8	5,533.5	5,560.7	969.8	9,562.3	3,978.3	1992
5,658.5	17,881.7	5,980.0	6,237.6	1,156.2	10,711.8	3,857.5	1993
6,046.7	19,050.3	7,404.2	7,356.1	1,484.0	12,596.6	3,736.4	1994
6,416.8	21,846.0	9,829.5	9,367.2	1,722.5	13,892.1	3,514.7	1995
6,473.5	23,242.1	11,119.9	10,341.7	1,761.5	15,869.9	3,537.7	1996
6,583.5	24,243.6	11,376.0	10,883.6	1,961.4	17,014.6	3,513.7	1997
5,178.7	21,872.8	7,488.7	13,757.0	1,547.7	12,744.8	3,040.7	1998
5,882.5	24,485.8	10,067.6	19,485.4	2,015.6	17,294.6	3,721.4	1999
6,598.3	27,500.8	12,516.7	26,554.0	2,394.4	19,995.4	4,158.9	2000
6,904.1	28,183.7	12,429.5	26,855.4	2,353.3	21,052.1	3,491.7	2001
7,111.1	29,765.8	13,830.1	31,285.9	2,553.1	21,921.4	3,595.1	2002
7,488.1	30,725.3	15,129.7	36,530.7	2,629.9	23,676.4	3,616.0	2003
7,573.2	33,459.0	16,376.9	44,526.2	3,127.2	27,094.9	3,376.1	2004
7,618.7	35,583.4	17,693.9	50,337.2	3,245.2	29,128.8	3,459.6	2005
7,885.9	35,201.5	19,577.6	58,590.8	3,869.2	33,045.0	3,749.1	2006
8,258.0	37,094.8	22,047.2	65,192.6	4,564.8	36,155.5	3,938.9	2007
8,417.0	33,624.6	23,281.1	70,724.9	4,601.1	39,807.8	3,860.1	2008
8,961.9	31,370.3	20,864.3	73,559.8	4,292.0	40,028.3	3,930.4	2009
9,405.8	36,423.2	26,210.3	93,492.0	4,988.5	42,807.1	4,131.3	2010
9,231.0	39,921.8	30,049.6	99,594.0	5,373.3	47,459.7	4,343.3	2011

Note : Based on chained 2005 prices, Original Series
Source : Bank of Korea

2 경제활동별 국내 총생산(계속)

단위 : 십억 원

	전기, 가스, 수도사업 Electricity, Gas & Water Supply	건설업 Construction	도소매 및 음식숙박업 Wholesale & Retail Trade Restaurants & Hotels	운수 및 보관업 Transportation & Storage	금융보험업 Financial intermediation	부동산및 임대업 Real estate, renting & leasing
1981	1,095.2	15,748.6	19,426.7	7,926.7	4,369.5	13,993.7
1982	1,163.3	18,335.4	21,162.9	8,716.5	4,789.5	15,759.9
1983	1,517.7	22,181.6	23,181.5	9,231.5	5,317.2	17,497.8
1984	1,925.9	23,456.0	24,822.5	9,984.3	6,224.6	17,950.1
1985	2,309.7	24,824.6	26,264.7	10,352.5	7,612.4	19,550.9
1986	2,928.4	25,733.0	29,659.7	10,972.5	8,778.2	21,175.9
1987	3,295.9	28,363.1	33,335.5	12,099.5	11,162.3	23,111.2
1988	3,648.1	30,750.4	37,112.9	13,333.3	14,484.3	25,640.2
1989	4,069.1	34,590.2	39,832.5	14,155.0	16,747.2	27,981.7
1990	4,801.7	42,796.9	43,218.2	15,435.9	18,435.0	30,781.9
1991	5,335.6	47,856.6	46,905.0	16,597.0	21,391.0	33,920.1
1992	5,898.1	47,246.1	49,289.2	17,647.4	24,179.8	36,602.8
1993	6,674.9	51,548.0	52,399.3	18,085.7	28,411.3	39,213.1
1994	7,629.5	54,058.9	56,481.9	19,451.9	31,717.6	42,531.5
1995	8,289.7	57,005.3	60,403.4	21,121.1	36,063.4	46,273.4
1996	9,239.4	60,887.2	64,270.9	22,676.7	38,105.7	49,384.2
1997	10,234.5	61,695.4	66,403.0	24,624.6	38,951.7	54,405.4
1998	10,276.5	54,854.7	60,578.9	22,918.4	36,388.2	56,638.2
1999	11,296.1	51,342.9	70,520.1	25,934.6	38,013.2	53,403.2
2000	12,772.1	49,073.9	76,102.4	29,472.0	37,929.7	56,529.2
2001	13,694.4	51,730.4	79,201.1	30,979.4	40,772.6	57,633.4
2002	14,760.8	53,525.5	83,414.5	32,017.7	50,276.7	58,999.7
2003	15,342.0	58,245.4	80,816.3	32,329.1	50,599.6	60,059.8
2004	16,393.5	59,437.9	80,748.8	34,378.7	50,524.0	61,159.8
2005	17,611.5	59,284.5	82,469.7	35,292.2	53,394.8	63,215.4
2006	18,332.9	60,564.4	85,792.6	37,082.6	55,611.7	64,603.9
2007	19,026.2	62,134.9	90,291.3	39,136.8	61,614.4	65,524.8
2008	20,199.0	60,611.1	91,512.4	41,033.4	64,612.2	66,491.6
2009	21,023.6	61,716.0	90,725.7	38,666.2	67,425.2	66,368.7
2010	21,937.4	60,047.9	97,125.1	42,657.4	69,063.0	67,210.4
2011	22,574.0	57,268.7	101,583.5	44,279.8	70,167.0	68,695.4

주 : 2005년 지수기준년 연쇄가격, 원계열
자료 : 한국은행

2 Gross Domestic Product by Kind of Economic Activity(Continued)

Unit : Billion Won

공공행정 및 국방 Public administration Defence & Compulsory social security	교육서비스업 Education	보건및사회복지 Health & social work	정보통신업 Information & Communication	총부가가치 (기초가격) Gross value added at basic prices	국내총생산 Gross domestic product	
22,606.7	17,910.7	3,563.3	1,293.7	144,591.3	156,705.9	1981
23,436.3	19,156.3	4,581.2	1,392.5	156,301.7	169,698.9	1982
24,219.2	20,093.7	5,912.2	1,644.0	175,266.8	190,371.7	1983
24,331.4	21,054.2	7,385.6	1,990.6	192,077.4	209,140.7	1984
24,808.3	22,038.9	9,181.4	2,183.6	206,469.2	224,765.5	1985
25,500.8	23,120.5	9,971.3	2,433.3	231,568.4	252,276.2	1986
26,263.3	24,118.0	10,707.5	2,879.4	258,772.5	283,220.2	1987
27,468.5	25,237.0	11,990.1	3,375.2	288,559.8	316,245.2	1988
28,805.1	26,477.9	13,012.3	4,008.1	307,496.4	337,598.1	1989
30,315.0	27,801.0	14,132.5	4,770.4	335,196.7	368,985.9	1990
31,924.9	28,983.2	15,495.2	5,657.9	366,840.0	404,825.0	1991
33,691.6	30,228.1	16,571.2	6,465.2	388,495.4	428,164.0	1992
35,265.1	31,304.5	17,558.2	7,400.7	412,916.7	455,264.2	1993
36,410.3	32,575.0	18,877.8	9,039.0	446,677.8	495,199.3	1994
37,600.1	33,812.7	20,314.4	10,633.2	485,054.9	539,424.0	1995
39,666.8	35,097.4	21,247.4	12,517.1	518,732.4	578,186.4	1996
41,359.3	36,128.6	22,944.3	14,364.6	547,661.3	611,528.9	1997
41,761.1	35,963.6	22,113.5	14,734.5	518,879.1	576,586.8	1998
43,620.5	36,911.2	23,552.1	17,929.9	571,642.4	638,458.0	1999
43,281.1	38,065.7	23,482.3	22,727.3	620,984.7	694,628.1	2000
43,823.4	40,006.7	22,357.1	26,679.1	645,751.6	722,228.9	2001
44,786.8	42,106.8	23,804.3	30,442.1	692,289.0	773,868.4	2002
45,822.6	44,160.9	25,270.7	31,884.1	712,939.1	795,558.2	2003
46,897.2	45,469.5	26,789.0	33,991.3	746,144.6	832,305.3	2004
48,200.9	46,502.1	28,558.2	36,255.7	775,889.6	865,240.9	2005
50,520.8	48,532.9	30,389.3	38,238.7	815,680.2	910,048.9	2006
52,183.9	49,971.2	32,905.8	39,664.7	859,517.6	956,514.5	2007
52,903.0	51,619.6	34,197.6	41,024.7	881,436.8	978,498.8	2008
54,887.7	52,135.1	36,897.6	41,933.8	886,241.0	981,625.1	2009
55,767.5	52,752.5	39,395.4	43,589.1	941,179.8	1,043,666.3	2010
56,418.4	52,874.4	41,203.3	45,978.6	973,343.0	1,081,593.9	2011

Note : Based on chained 2005 prices, Original Series
Source : Bank of Korea

3 수송시설 및 설비

	도로연장 Length of Roads	자동차 Motor Vehicles	승용차 Passenger car	승합차 Bus	화물차 Truck
	Km	대(Each)			
1981	50,337	571,754	267,605	50,595	243,828
1982	53,936	646,996	305,811	66,326	263,939
1983	54,550	785,316	380,993	87,282	304,158
1984	51,003	948,319	465,149	108,018	360,364
1985	52,264	1,113,430	556,659	128,309	412,739
1986	53,654	1,309,434	664,226	154,627	472,601
1987	54,689	1,611,375	844,350	200,456	546,450
1988	55,778	2,035,448	1,117,999	259,600	635,445
1989	56,481	2,660,212	1,558,660	323,402	768,943
1990	56,715	3,394,803	2,074,922	383,738	924,647
1991	58,088	4,247,816	2,727,852	427,650	1,077,467
1992	58,847	5,230,894	3,461,057	483,575	1,261,522
1993	61,296	6,274,008	4,271,253	527,958	1,448,634
1994	73,833	7,404,347	5,148,713	582,069	1,644,646
1995	74,237	8,468,901	6,006,290	612,584	1,816,582
1996	82,342	9,553,092	6,893,633	663,011	1,962,564
1997	84,968	10,413,427	7,586,474	719,127	2,072,256
1998	86,990	10,469,599	7,580,926	749,320	2,104,683
1999	87,534	11,163,728	7,837,206	993,169	2,298,116
2000	88,775	12,059,276	8,083,926	1,427,221	2,510,992
2001	91,396	12,914,115	8,889,327	1,257,008	2,728,405
2002	96,037	13,949,440	9,737,428	1,275,319	2,894,412
2003	97,253	14,586,795	10,278,923	1,246,629	3,016,461
2004	100,278	14,934,092	10,620,557	1,204,313	3,062,314
2005	102,293	15,396,715	11,122,199	1,124,645	3,102,171
2006	102,061	15,895,234	11,606,971	1,105,636	3,133,201
2007	103,019	16,428,177	12,099,779	1,104,949	3,171,351
2008	104,236	16,794,219	12,483,809	1,096,698	3,160,338
2009	104,983	17,325,210	13,023,819	1,080,687	3,166,512
2010	105,565	17,941,356	13,631,769	1,049,725	3,203,808
2011	105,931	18,437,373	14,136,478	1,015,391	3,226,421

주 : 자동차 대수는 이륜차 제외
자료 : 국토해양부, 한국철도공사(2011 철도통계연보)

3 Transport Facilities and Equipment

철도키로 Railway	고속차량 High Speed Electric Railcar	디젤기관차 Diesel Loco.	디젤동차 Diesel Rail car	전동차 Electric Rail car	항공기 Aircraft	선 박 Vessels	
Km	대(Each)					톤수(G/T)	
3,121	–	431	126	320	89	4,958,813	1981
3,121	–	440	126	320	97	5,649,529	1982
3,121	–	449	123	320	94	6,139,323	1983
3,116	–	459	133	350	99	6,501,206	1984
3,121	–	471	138	388	103	6,662,377	1985
3,113	–	480	138	433	107	6,654,860	1986
3,130	–	483	130	470	121	6,513,770	1987
3,149	–	483	181	500	136	7,239,265	1988
3,120	–	486	194	540	166	7,305,956	1989
3,091	–	491	200	540	178	7,114,622	1990
3,091	–	501	197	606	186	7,273,798	1991
3,092	–	504	339	648	185	6,910,502	1992
3,098	–	495	477	765	189	6,378,725	1993
3,101	–	487	503	896	216	6,497,337	1994
3,101	–	485	495	1100	242	6,332,214	1995
3,120	–	488	511	1248	254	6,992,646	1996
3,118	–	491	595	1388	266	6,756,082	1997
3,125	–	491	603	1687	255	5,242,968	1998
3,051	–	487	616	1674	257	6,051,819	1999
3,123	–	467	615	1674	267	6,152,794	2000
3,125	–	467	615	1672	280	6,592,755	2001
3,129	–	482	610	1662	291	7,637,551	2002
3,140	340	468	606	1858	287	7,447,866	2003
3,374	920	462	602	1824	290	8,512,692	2004
3,392	920	455	592	1850	294	10,068,384	2005
3,392	920	438	576	2086	324	11,128,158	2006
3,399	920	422	566	2086	418	13,927,284	2007
3,381	920	396	524	2,088	447	14,707,094	2008
3,378	920	335	500	2,184	478	13,916,563	2009
3,557	1,110	330	471	2,287	514	14,266,375	2010
3,559	1,110	321	444	2,344	550	13,733,000	2011

Note : Excluding the two-wheeled vehicles
Source : Minister of Land, Transport and Maritime Affairs, Korea Railroad(Statistical Yearbook of Railroad, 2011)

4 수송 실적

	여 객 Passengers								
	공 로 Highway	철 도 Railways	지하철 Subway	해 운 Shipping	내 항 Coastal	외 항 Oversea	항 공 Aircraft	국내선 Domestic Lines	국제선 International Lines
	1,000명(1,000 persons)								
1981	8,683,130	441,129	58,326	9,281	9,230	51	4,784	1,555	3,229
1982	9,259,252	443,570	89,298	9,658	9,602	56	5,345	1,844	3,501
1983	9,901,324	469,423	115,623	9,035	8,979	56	6,066	2,363	3,703
1984	10,200,619	489,061	292,347	9,438	9,371	67	6,811	2,869	3,942
1985	10,601,047	503,123	420,168	8,599	8,534	65	7,849	3,467	4,382
1986	10,932,607	518,956	685,120	8,800	8,727	73	9,031	4,092	4,939
1987	11,455,784	525,056	754,815	8,127	8,028	99	10,559	5,101	5,458
1988	11,905,341	564,240	916,951	8,974	8,838	136	12,649	6,297	6,352
1989	11,949,830	584,659	1,007,148	9,045	8,850	195	17,235	8,952	8,283
1990	12,721,877	644,814	1,186,633	8,496	8,260	236	20,690	11,064	9,626
1991	12,854,212	679,281	1,422,615	8,820	8,485	335	22,524	12,253	10,271
1992	12,848,750	716,364	1,546,279	9,069	8,731	338	25,812	14,555	11,257
1993	12,117,439	723,057	1,576,040	8,286	7,990	296	27,201	15,550	11,651
1994	11,603,575	729,003	1,603,945	8,280	7,869	411	31,482	18,406	13,076
1995	11,289,507	790,381	1,693,003	9,097	8,702	395	35,612	21,009	14,603
1996	11,480,422	819,542	1,728,171	9,935	9,412	523	39,559	23,567	15,992
1997	10,887,456	832,999	1,855,166	10,463	9,899	564	43,237	25,639	16,598
1998	10,783,922	829,050	1,838,870	8,815	8,277	538	33,608	19,504	14,104
1999	10,455,862	823,563	2,015,999	9,857	9,052	805	37,895	21,145	16,750
2000	10,410,577	837,268	2,235,221	10,701	9,702	999	41,967	22,515	19,452
2001	9,857,403	850,971	2,527,099	10,339	9,340	999	42,162	21,811	20,351
2002	9,783,595	851,716	2,012,386	10,535	9,460	1,075	46,965	21,248	22,717
2003	9,404,764	894,621	1,982,192	11,588	10,336	1,253	42,839	21,380	21,459
2004	9,169,560	921,223	2,033,411	12,028	10,648	1,380	45,824	18,893	26,931
2005	8,801,840	950,995	2,020,360	12,922	11,100	1,822	46,842	17,158	29,684
2006	9,108,747	969,145	2,079,961	13,679	11,574	2,105	49,888	17,181	32,707
2007	9,518,760	989,294	2,090,290	15,019	12,634	2,385	53,715	16,848	36,867
2008	9,798,410	1,018,977	2,141,872	18,082	14,162	3,919	52,331	16,990	35,341
2009	9,588,133	1,020,319	2,181,346	6,957	14,868	2,089	51,575	18,061	33,514
2010	9,646,404	1,060,941	2,273,087	17,078	14,308	2,770	60,277	20,216	40,061
2011	9,907,168	1,118,621	2,358,758	16,926	14,266	2,660	63,629	20,981	42,649

자료 : 국토해양부, 한국철도공사(2011 철도통계연보)

4 Transported

화 물 Freight								
공 로 Highway	철 도 Railways	해 운 Shipping	내 항 Coastal	외 항 Oversea	항 공 Aircraft	국내선 Domestic Lines	국제선 International Lines	
1,000 M/T								
104,256	48,761	127,527	22,206	105,321	226.6	17.6	209.0	1981
108,576	47,437	134,961	26,454	108,507	264.5	29.5	235.0	1982
126,403	50,478	147,271	29,086	118,185	309.0	43.0	266.0	1983
143,629	53,661	188,779	63,043	125,736	359.5	57.8	301.7	1984
148,699	55,346	167,189	34,179	133,010	400.6	67.4	333.2	1985
168,779	58,238	191,448	37,625	153,823	469.5	78.0	391.5	1986
175,283	59,281	218,755	40,747	178,008	564.9	92.8	472.1	1987
184,559	60,737	246,530	48,041	198,489	619.0	110.6	508.4	1988
199,945	58,670	258,774	54,874	203,900	865.7	154.4	711.3	1989
215,125	57,922	283,695	63,914	219,781	959.6	182.8	776.8	1990
245,126	61,215	339,096	76,124	262,972	986.8	199.5	787.3	1991
266,009	58,768	371,262	85,589	285,573	1,078.8	241.6	837.2	1992
289,450	60,167	413,068	96,196	316,872	1,223.9	273.3	950.6	1993
345,831	57,866	471,112	117,694	353,428	1,418.5	306.1	1,112.4	1994
408,368	57,469	533,536	129,112	404,424	1,613.4	322.7	1,290.7	1995
426,414	53,527	582,068	140,948	441,120	1,782.3	351.4	1,431.0	1996
499,083	53,828	632,076	147,046	485,030	2,018.4	387.3	1,631.1	1997
408,136	43,345	589,931	115,179	474,752	1,834.3	363.5	1,470.8	1998
401,177	42,081	655,876	123,693	532,183	2,112.7	393.3	1,719.4	1999
496,174	45,240	704,067	134,467	569,599	2,383.6	434.2	1,949.4	2000
535,725	45,122	751,454	140,544	610,910	2,294.8	431.0	1,863.8	2001
584,573	45,733	777,251	141,706	635,545	2,509.5	432.7	2,076.8	2002
565,456	47,110	812,935	145,327	667,608	2,631.4	422.6	2,208.8	2003
518,856	44,512	849,013	115,636	733,377	2,978.1	409.0	2,569.1	2004
526,000	41,669	874,346	119,410	754,936	2,989.2	372.4	2,616.8	2005
529,278	43,341	927,635	117,805	809,830	3,208.7	355.2	2,853.5	2006
550,264	44,562	982,602	120,079	862,523	3,454.5	316.4	3,138.1	2007
555,801	46,806	1,019,900	126,964	892,936	3,251.6	254.2	2,997.4	2008
607,480	38,898	968,331	120,032	848,299	3,141.1	268.7	2,872.5	2009
619,530	39,217	1,085,215	119,022	966,193	3,588.7	261.9	3,326.9	2010
633,927	40,012	1,175,228	110,135	1,065,093	3,519.2	281.1	3,238.1	2011

Source : Minister of Land, Transport and Maritime Affairs, Korea Railroad(Statistical Yearbook of Railroad, 2011)

5 업종별 보일러 보유 현황

단위 : 대

	합 계 Total	산 업 용 industrial					
		소 계 Sub-Total	음식료품 Food Beverage	섬유 및 피혁 Textile & Leather	나무·종이제품 Wood & paper Products	화 공 Chemicals Petroleum Products	비금속광물제품 Non-metalic Mineral Products
1994	39,566	15,134	2,948	3,397	1,019	3,078	781
1995	40,322	15,156	2,839	3,315	1,002	3,099	771
1996	43,571	16,489	3,032	3,538	1,073	3,372	846
1997	41,223	16,203	2,852	4,226	1,283	3,104	647
1998	40,343	16,093	2,787	4,023	1,221	3,085	678
1999	40,541	15,636	2,752	4,094	1,224	3,133	686
2000	40,073	15,430	2,516	4,050	1,152	3,157	661
2001	39,678	15,893	2,295	3,585	1,016	3,042	494
2002	39,805	15,941	2,295	3,590	1,019	3,066	496
2003	38,627	15,337	2,190	3,323	946	3,033	468
2004	36,812	14,949	2,107	3,123	976	2,992	486
2005	36,768	14,437	2,092	2,756	861	3,012	420
2006	35,862	14,208	2,129	2,511	819	3,094	434
2007	35,495	14,066	2,162	2,349	779	3,121	426
2008	39,816	16,330	2,868	2,442	810	3,485	489
2009	41,217	17,111	3,097	2,501	835	3,620	507
2010	40,771	17,207	3,163	2,453	817	3,663	497

주 : 검사대상기준
자료 : 에너지관리공단

6 용량별 보일러 보유 현황

단위 : 대

	합계 Total	0.5T/H 미만	0.5~1 T/H	1~1.5 T/H	1.5~2 T/H	2~2.5 T/H	2.5~3 T/H	3~3.5 T/H	3.5~4 T/H	4~4.5 T/H
1994	39,566	3,642	7,255	5,985	6,518	2,887	1,498	2,829	371	1,300
1995	40,322	3,164	7,351	6,052	6,685	2,970	1,620	2,963	406	1,336
1996	43,571	3,365	7,935	6,552	7,242	3,210	1,781	3,198	454	1,436
1997	41,223	4,118	6,366	4,741	4,913	3,848	2,076	3,768	521	1,616
1998	40,343	3,867	6,256	4,619	4,825	3,782	2,053	3,712	528	1,565
1999	40,541	3,679	6,437	4,694	4,988	3,823	2,066	3,724	515	1,542
2000	40,073	3,237	6,372	4,709	5,011	3,795	2,081	3,717	519	1,518
2001	39,678	2,864	6,356	4,832	5,140	3,765	2,094	3,671	518	1,471
2002	38,805	2,852	6,379	4,846	5,164	3,795	2,111	3,677	521	1,473
2003	38,627	2,505	6,173	4,758	5,120	4,025	1,729	3,570	510	1,431
2004	36,812	2,303	6,017	4,422	4,835	3,974	1,646	3,313	504	1,366
2005	36,768	5,674	1,859	5,252	4,687	1,294	433	1,762	1,001	418
2006	35,862	1,645	5,368	4,587	5,306	3,797	1,958	3,309	479	1,305
2007	35,495	1,562	5,184	4,577	5,479	4,177	1,684	3,223	460	1,264
2008	39,816	1,449	6,635	6,034	7,265	4,253	1,641	3,183	447	1,200
2009	41,217	1,479	6,752	6,405	7,693	4,553	1,681	3,253	444	1,203
2010	40,771	1,414	6,439	6,331	7,699	4,627	1,658	3,272	442	1,196

주 : 검사대상기준
자료 : 에너지관리공단

5 Number of Boilers by Sector

Unit : Each

1차금속 Metals & Metal Products	기 타 Others	난방용 Heating 소 계 Sub-Total	아파트 Apartment	공공건물 Public Building	목욕탕 Bathhouse	건물 및 기타 Building & Others	
2,465	1,446	24,432	4,596	6,063	2,627	11,146	1994
2,505	1,625	25,166	4,811	2,454	2,355	15,546	1995
2,750	1,878	17,082	5,045	2,645	2,475	16,917	1996
2,367	1,724	25,020	5,152	2,389	2,098	15,381	1997
2,341	1,958	24,250	4,736	2,373	1,995	15,146	1998
2,370	1,377	24,905	4,725	2,488	1,958	15,734	1999
2,416	1,478	24,643	4,558	5,989	1,821	12,275	2000
2,587	2,874	23,785	4,224	6,159	1,747	11,655	2001
2,582	2,893	23,864	4,194	6,206	1,752	11,712	2002
2,528	2,849	23,290	3,926	6,238	1,737	11,389	2003
2,487	2,778	21,863	3,903	6,140	1,666	10,154	2004
2,448	2,848	22,331	3,457	6,158	1,579	11,137	2005
2,542	2,679	21,654	3,123	6,093	1,463	10,975	2006
2,501	2,728	21,429	2,910	6,016	1,382	11,121	2007
2,574	3,662	23,486	2,687	6,558	1,420	12,821	2008
2,640	3,911	24,106	2,573	6,774	1,420	13,339	2009
2,646	3,968	23,564	2,414	6,655	1,355	13,140	2010

Note : Instpection Facility Basis
Source : Korea Energy Management Corporation

6 Number of Boliers by Capacity

Unit : Each

4.5~5 T/H	5~6 T/H	6~7 T/H	7~8 T/H	8~10 T/H	10~15 T/H	15~20 T/H	20~30 T/H	30 T/H이상	
170	2,144	1,001	784	956	1,115	368	318	276	1994
182	2,300	1,048	837	991	1,201	384	352	480	1995
191	2,483	1,117	902	1,049	1,306	410	391	549	1996
220	2,734	1,217	986	1,156	1,420	430	457	636	1997
241	2,655	1,212	941	1,133	1,400	426	470	658	1998
216	2,639	1,195	942	1,121	1,421	431	453	655	1999
218	2,625	1,212	951	1,128	1,444	427	444	665	2000
232	2,605	1,130	932	1,094	1,408	435	427	704	2001
236	2,614	1,131	928	1,091	1,415	437	426	709	2002
228	2,542	1,121	892	1,058	1,371	446	430	718	2003
241	2,529	1,180	890	1,089	1,010	441	440	710	2004
497	3,312	747	220	1,341	2,379	1,066	825	1,001	2005
222	2,302	999	778	935	1,278	418	416	760	2006
217	2,202	963	743	909	1,248	421	410	772	2007
213	2,172	917	698	863	1,211	434	412	789	2008
206	2,188	912	693	849	1,221	451	414	820	2009
206	2,145	897	681	832	1,209	462	420	841	2010

Note : Instpection Facility Basis
Source : Korea Energy Management Corporation

6 전도시 소비자 물가지수

2010=100.0

	총지수 Total item	식료품 · 비주류음료 Food & nonalcoholic beverages	주류 · 담배 Alcoholic beverages & cigarettes	의복 · 신발 Clothing & footwear	주거및수도 · 광열 Housing water & fuels	광열 Electricity, gas & other fuel	가구집기 · 가사용품 Furnishings & household equipment	보건의료 Health
1981	29.5	–	–	–	–	–	–	–
1982	31.6	–	–	–	–	–	–	–
1983	32.6	–	–	–	–	–	–	–
1984	33.4	–	–	–	–	–	–	–
1985	34.2	27.3	36.0	40.6	37.3	33.5	53.3	39.6
1986	35.2	27.8	36.9	41.5	38.3	33.2	54.6	41.1
1987	36.2	28.7	37.4	43.0	39.2	33.5	56.4	42.5
1988	38.8	31.7	38.1	46.4	40.6	33.2	59.7	45.5
1989	41.0	33.7	40.1	52.5	42.3	32.8	63.7	46.8
1990	44.5	37.0	42.2	57.6	45.6	33.0	67.6	50.3
1991	48.7	41.1	43.7	60.8	50.7	35.7	71.4	53.5
1992	51.7	43.2	45.9	64.6	54.3	38.1	73.7	55.2
1993	54.2	44.6	48.7	66.8	57.2	39.4	76.1	56.8
1994	57.6	49.1	53.5	68.4	59.6	40.3	78.7	58.8
1995	60.2	50.6	54.7	69.5	62.1	41.1	80.2	62.0
1996	63.2	52.1	59.7	70.4	65.1	44.2	81.8	64.9
1997	66.0	54.2	63.6	71.5	68.4	48.9	82.1	67.6
1998	70.9	59.7	67.6	74.4	73.3	61.2	86.9	71.1
1999	71.5	62.4	72.0	75.7	71.1	58.4	85.8	72.2
2000	73.1	62.9	72.6	76.8	73.7	66.1	83.6	77.5
2001	76.1	66.1	76.2	79.1	78.1	72.9	85.2	86.3
2002	78.2	69.3	81.9	81.5	80.3	69.0	86.0	85.8
2003	80.9	72.5	84.2	84.4	83.7	72.4	87.7	87.7
2004	83.8	78.3	85.1	84.7	86.4	76.3	88.4	89.0
2005	86.1	80.8	97.8	85.5	88.0	80.9	88.9	91.0
2006	88.1	81.2	97.6	87.8	90.6	87.3	89.1	92.8
2007	90.3	83.2	98.0	90.2	92.6	89.4	91.4	94.4
2008	94.5	87.4	98.5	92.5	96.6	96.8	95.4	96.2
2009	97.1	94.0	99.6	97.1	97.7	96.2	99.7	98.3
2010	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2011	104.0	108.1	100.8	103.3	104.5	106.4	103.7	101.8

자료 : 통계청

7 All Cities Consumer Price Indexs

2010=100.0

교 통 Transportation	차량연료, 운영비 Operation of transport equipment	교통수단 이용료 Transport services	통 신 Communication	교양 · 오락 Culture & receation	교 육 Education	외식 · 숙박 Eating out & accomodation	기타잡비 Miscellaneous goods & services	
–	–	–	–	–	–	–	–	1981
–	–	–	–	–	–	–	–	1982
–	–	–	–	–	–	–	–	1983
–	–	–	–	–	–	–	–	1984
27.6	31.4	18.6	142.8	67.4	19.3	26.5	39.6	1985
28.1	27.0	19.0	151.2	68.8	20.1	27.8	41.4	1986
28.6	25.6	19.4	153.8	70.3	21.3	29.0	42.6	1987
30.1	21.3	20.5	153.8	72.9	23.3	31.7	43.4	1988
31.1	20.3	21.2	137.3	74.8	25.4	36.5	43.5	1989
31.9	20.3	21.7	146.4	78.3	28.8	41.5	45.0	1990
35.4	24.5	25.3	141.2	81.1	31.8	49.7	47.7	1991
38.7	28.2	28.7	140.9	83.2	35.2	54.7	49.5	1992
42.0	30.8	33.2	140.1	86.8	38.8	57.8	51.5	1993
45.2	30.2	38.2	136.6	88.9	42.5	61.7	53.4	1994
48.0	30.8	42.0	133.4	92.2	48.1	65.1	55.2	1995
51.6	35.1	46.3	132.9	95.8	53.6	68.7	58.4	1996
56.6	44.0	49.2	129.0	96.6	57.4	71.1	61.0	1997
66.1	58.6	58.2	128.8	99.9	59.5	74.7	66.6	1998
67.6	62.0	59.6	128.1	99.9	60.3	74.0	65.1	1999
70.6	65.8	62.8	125.2	98.8	63.3	74.7	65.9	2000
73.4	68.0	67.4	121.2	98.5	66.2	76.0	68.6	2001
74.1	68.0	69.8	115.8	99.1	69.9	78.5	70.8	2002
77.1	70.0	75.2	109.8	99.5	74.0	81.4	72.6	2003
79.8	74.3	79.1	108.1	99.4	78.1	84.5	74.1	2004
83.8	78.6	85.5	106.1	99.5	81.4	86.5	75.1	2005
87.7	83.6	88.3	104.7	97.1	85.4	88.2	79.0	2006
90.8	86.3	94.4	102.6	95.5	90.5	89.8	82.9	2007
98.8	101.2	96.5	101.1	96.9	95.4	94.1	90.4	2008
95.3	91.8	98.1	101.0	99.1	97.8	97.7	96.6	2009
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	2010
107.0	113.1	103.2	98.4	101.6	101.7	104.3	103.2	2011

Source : Statistics Korea

8 생산자 물가지수

2005=100.0

	총지수 All Items	농림수산품 Agriculture, Forest & Marine Products	농수산식품 Agriculture & Marine Products	비식용 농림수산품 Inedible Agriculture, Foerst & Marine	광산품 Mineral Products	공산품 Manufactuing Industry Products	음식료품 및 담배 Processed Foods & Tabacco	섬유제품 및 의복 Textile Products & Apparel	가죽제품 및 신발 Leather Products & Foot Wear
1981	56.6	35.3	35.4	30.3	42.8	59.3	42.1	57.0	32.8
1982	59.2	35.5	35.6	30.7	48.1	62.3	43.5	60.9	35.2
1983	59.3	36.5	36.7	29.3	49.1	62.0	43.5	63.4	35.9
1984	59.8	36.6	36.7	31.6	50.7	62.5	44.2	66.0	37.5
1985	60.3	38.7	38.9	32.2	53.2	62.3	44.1	65.1	38.3
1986	59.4	38.3	38.3	35.5	56.2	61.2	44.3	67.5	40.7
1987	59.7	37.9	37.9	37.8	59.5	61.7	43.4	71.0	44.0
1988	61.3	44.1	44.2	39.5	61.8	62.1	43.4	73.3	47.5
1989	62.2	45.6	45.8	38.4	63.0	62.9	45.0	74.2	49.9
1990	64.8	52.1	52.5	39.4	64.3	64.4	46.7	75.0	52.8
1991	67.9	58.3	58.9	40.4	67.8	66.9	47.9	79.2	58.0
1992	69.4	60.3	60.9	42.5	68.3	68.2	50.1	81.5	58.6
1993	70.4	61.3	60.8	70.4	68.3	69.2	51.9	82.3	60.6
1994	72.3	68.8	68.7	65.8	69.4	70.3	54.6	85.1	63.5
1995	75.7	71.4	71.4	66.9	69.3	73.8	56.5	90.7	66.3
1996	78.2	72.6	72.6	64.0	70.0	75.4	60.6	91.6	67.0
1997	81.2	74.0	74.0	65.1	71.0	78.0	63.8	92.5	71.6
1998	91.1	76.8	76.8	77.5	76.2	89.2	74.2	102.0	85.6
1999	89.2	84.6	84.6	71.6	77.0	86.3	72.1	100.1	85.2
2000	91.0	82.4	82.4	71.1	78.7	88.8	71.4	99.9	84.1
2001	90.6	85.4	85.4	71.9	79.6	86.9	73.8	96.7	88.5
2002	90.3	87.6	87.6	81.4	85.8	85.6	76.3	96.6	92.7
2003	92.3	92.6	92.6	87.3	87.2	87.1	78.0	98.2	96.0
2004	97.9	103.8	103.8	100.1	93.7	93.7	82.1	101.3	98.9
2005	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2006	100.9	97.5	97.5	93.3	97.8	100.2	101.0	95.8	100.1
2007	102.3	100.2	100.2	89.7	104.9	101.0	104.4	93.4	100.6
2008	111.1	101.3	101.3	90.3	115.1	113.0	117.0	97.5	104.6
2009	110.9	110.1	110.1	92.0	126.4	111.2	125.5	101.2	110.2
2010	115.1	120.0	120.0	107.3	140.8	115.9	127.3	105.1	111.1
2011	122.1	128.9	129.0	109.1	143.0	124.8	134.9	114.5	113.0

자료 : 통계청

8 Producer Price Indexs

목재 및 나무제품 Wood & Wood Prducts	펄프, 종이제품 및 출판물 Pulp, Paper Products & Publications	코크스 및 석유제품 Coke & Petroleum Products	화학제품 Chemical Products	고무 및 플라스틱 제품 Rubber & Plastic Products	비금속 광물제품 Nonmetallic Mineral Products	1차 금속제품 Basic Metal Products	금속가공 제품 Metal Processing Products	컴퓨터 및 주변기기 Computer & Peripheral Instruments	
41.5	42.7	40.1	57.8	62.4	59.6	42.9	47.8	716.2	1981
42.8	44.6	43.2	60.0	64.0	64.6	43.5	49.8	716.2	1982
42.9	44.7	41.1	59.4	64.0	65.0	44.5	50.2	716.2	1983
48.4	45.5	40.3	59.3	64.1	64.9	44.4	51.3	695.9	1984
48.6	45.2	40.2	58.4	62.8	65.0	44.5	51.8	686.5	1985
48.9	46.4	32.9	56.5	61.8	64.7	45.0	51.9	602.9	1986
51.5	49.1	30.7	56.7	62.0	64.4	46.6	52.9	607.9	1987
56.8	50.6	24.3	56.8	64.6	65.2	50.0	54.5	607.9	1988
56.5	50.7	21.7	56.9	65.0	65.9	50.8	57.9	607.9	1989
59.9	50.7	22.1	58.1	65.7	72.4	50.6	60.9	608.0	1990
62.6	53.8	23.7	60.7	67.6	81.7	51.4	64.0	602.4	1991
65.8	55.1	25.0	59.0	66.5	84.3	51.9	65.3	592.1	1992
91.9	56.4	26.5	58.2	66.6	81.5	51.3	64.6	568.5	1993
90.3	58.1	26.3	59.3	67.5	78.6	52.3	65.6	514.0	1994
90.7	67.4	28.4	67.8	74.4	80.3	56.3	66.9	448.0	1995
90.9	70.4	34.0	65.3	76.0	82.5	56.3	68.3	417.8	1996
94.3	70.9	42.8	65.9	76.3	84.9	59.2	69.3	385.0	1997
108.5	85.3	58.8	79.4	87.6	96.3	68.2	79.1	414.5	1998
102.6	83.7	56.0	73.3	86.2	93.8	64.0	78.5	382.2	1999
98.8	91.9	66.5	78.5	88.3	91.6	65.5	79.9	343.7	2000
96.9	94.5	70.4	78.4	88.3	95.4	65.5	80.5	232.1	2001
99.2	96.1	71.7	76.8	88.7	98.2	66.1	80.8	177.6	2002
97.1	98.3	79.1	83.2	90.3	101.1	71.1	83.6	132.8	2003
103.6	100.2	89.3	96.5	95.1	101.6	92.2	94.7	116.9	2004
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	2005
98.9	101.4	111.1	102.6	99.9	96.3	107.9	100.6	83.1	2006
102.1	102.5	117.0	106.8	100.6	94.7	119.8	101.4	74.5	2007
111.3	110.4	154.7	129.8	110.0	105.6	147.2	118.6	68.1	2008
119.7	114.9	132.3	122.5	112.8	114.2	135.2	125.5	68.7	2009
121.2	122.1	149.4	133.5	117.5	112.8	148.3	131.9	62.5	2010
138.0	126.7	180.7	152.4	126.0	113.8	165.5	143.7	57.9	2011

Source : Statistics Korea

8 생산자 물가지수(계속) Producer Price Indexs

2005=100.0

	통신장비 Communication Equipment	영상 및 음향기기 Radio, Television Equipment	의료,정밀 및 광학기기 Medical, Precision & Optical Instruments	전기장비 Electric instruments	자동차 및 트레일러 Motor vehicles & trailer	가구 및 기타공산품 Furniture & Other industrial products
1981	245.0	207.4	64.4	72.3	77.5	53.2
1982	254.1	206.5	66.5	75.0	86.4	55.0
1983	253.2	203.1	66.7	75.0	87.3	55.7
1984	252.8	192.2	66.8	75.7	88.0	56.8
1985	252.8	185.0	66.3	76.5	87.6	58.1
1986	249.2	186.6	67.1	76.9	87.8	59.8
1987	250.0	187.0	68.5	77.1	88.2	61.4
1988	249.3	189.4	71.6	80.4	88.6	64.1
1989	247.8	182.9	74.4	82.5	91.5	66.4
1990	247.2	186.3	77.4	83.4	93.2	67.1
1991	241.2	187.6	80.0	84.2	95.0	72.0
1992	237.1	186.9	82.3	84.8	95.7	75.7
1993	236.7	186.1	84.2	84.6	96.0	79.6
1994	235.3	180.6	86.1	85.3	96.2	83.1
1995	235.1	168.8	87.7	87.3	96.1	85.1
1996	229.7	165.3	89.5	86.2	95.8	86.4
1997	225.9	163.4	90.5	86.3	96.3	87.5
1998	221.1	165.2	102.2	95.0	98.0	92.9
1999	195.6	157.3	102.4	92.5	99.0	90.6
2000	189.1	139.1	100.4	89.9	99.6	91.1
2001	155.5	135.2	99.2	91.0	100.8	92.2
2002	126.7	128.9	98.1	91.0	100.4	93.6
2003	112.1	117.6	97.0	91.0	100.5	96.1
2004	104.6	108.3	98.9	96.9	99.7	103.9
2005	100.0	100.0	100.0	100.0	100.0	100.0
2006	87.3	89.8	90.7	107.2	102.0	100.4
2007	75.4	78.5	85.1	109.3	102.8	105.2
2008	70.1	74.6	85.8	112.4	104.4	115.9
2009	67.9	72.7	87.2	112.4	105.7	115.8
2010	65.4	69.4	86.1	116.4	107.8	119.7
2011	87.3	68.2	87.6	122.6	109.8	125.9

자료 : 통계청

9 특수 분류별 생산자 물가지수 Producer Price Indexes by Special Classification

2005=100.0

	식료품 · 식료품이외 Food & Excluding Foods		에너지 · 에너지이외 Energy & Excluding energy		IT · IT이외 IT & Excluding IT	
	식료품 Foods	식료품이외 Excluding Foods	에너지 Energy	에너지이외 Excluding Energy	IT	IT이외 IT Excluding
1981	41.7	61.1	43.4	57.3	–	–
1982	42.0	64.9	47.7	59.3	–	–
1983	42.5	64.8	45.9	60.0	–	–
1984	42.6	65.3	45.2	60.8	–	–
1985	44.3	65.2	45.5	61.4	–	–
1986	44.3	64.0	41.1	61.3	–	–
1987	43.7	64.6	39.7	62.0	–	–
1988	47.7	65.1	35.0	64.9	–	–
1989	49.5	65.6	32.8	66.5	–	–
1990	55.0	66.8	32.2	69.7	–	–
1991	59.4	69.5	33.6	73.1	–	–
1992	62.1	70.6	35.6	74.4	–	–
1993	63.0	71.7	37.2	75.3	–	–
1994	68.4	72.7	37.2	77.5	–	–
1995	70.9	76.3	39.1	81.1	200.5	67.2
1996	73.1	78.8	44.1	83.2	185.4	70.3
1997	74.9	81.9	52.0	85.3	169.3	74.0
1998	83.5	92.0	67.6	94.3	172.3	83.8
1999	87.2	89.3	65.1	92.5	159.9	82.4
2000	85.1	91.7	75.0	93.1	151.0	84.6
2001	87.1	91.0	80.1	92.0	131.4	86.2
2002	88.9	90.5	79.8	91.7	118.9	87.3
2003	92.8	92.3	85.7	93.2	109.2	90.5
2004	100.8	97.6	92.3	98.7	106.0	97.0
2005	100.0	100.0	100.0	100.0	100.0	100.0
2006	99.0	101.1	109.3	100.1	93.5	102.5
2007	101.6	102.4	113.5	101.2	87.5	105.5
2008	106.4	111.5	135.5	108.6	86.6	116.3
2009	115.6	110.5	126.8	109.2	85.4	116.3
2010	122.4	114.5	138.1	112.7	83.7	121.8
2011	130.2	121.4	158.0	118.4	82.1	130.6

Source : Statistics Korea

10 주요 에너지 제품별 생산자 물가지수

2005=100.0

	연료광물 Mineral Fuels	무연탄 Anthracite	연탄제조용 Briquets	발전용 Electricity	연 탄 Briquets	코크스 Coke	휘발유 Gasoline	항공유 Jet Oil
1981	43.3	35.1	34.0	40.7	64.0	39.0	48.2	57.3
1982	49.6	40.5	39.2	45.7	72.8	43.5	51.8	60.1
1983	50.8	41.9	40.7	45.5	73.8	43.5	45.7	60.1
1984	51.6	43.2	42.1	45.5	73.8	43.5	45.0	60.1
1985	54.2	45.8	44.6	48.2	76.8	43.5	45.0	60.1
1986	57.5	48.8	47.5	51.4	81.5	45.0	39.8	50.5
1987	60.6	51.7	50.4	54.3	85.8	45.5	37.7	46.7
1988	63.5	54.5	53.2	57.3	89.4	45.5	29.3	36.2
1989	64.8	55.8	54.4	58.6	90.9	45.5	24.4	31.0
1990	64.8	55.8	54.4	58.6	90.9	45.5	24.5	34.7
1991	65.0	55.7	54.4	57.1	90.9	45.6	31.6	33.4
1992	65.0	55.7	54.4	57.1	90.9	46.4	37.0	29.4
1993	65.1	55.7	54.4	57.1	90.9	47.3	40.7	30.1
1994	65.1	55.7	54.4	57.1	90.9	47.2	39.1	26.0
1995	65.3	55.7	54.4	57.1	90.9	47.2	39.6	25.7
1996	65.3	55.7	54.4	57.1	90.9	48.1	45.2	34.2
1997	65.9	56.6	56.2	57.1	90.9	48.3	57.3	36.5
1998	70.1	62.5	61.0	64.1	90.9	48.4	76.8	39.7
1999	76.9	72.3	71.1	73.6	90.9	50.1	81.9	37.8
2000	84.5	83.0	83.0	83.0	90.9	52.6	86.2	58.2
2001	84.5	83.0	83.0	83.0	90.9	58.6	89.4	57.3
2002	84.6	83.1	83.3	83.0	90.9	58.8	88.8	52.9
2003	89.3	87.2	87.5	87.1	98.5	62.5	90.7	59.3
2004	93.2	91.7	92.1	91.5	100.0	75.6	95.3	79.9
2005	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2006	106.6	108.2	108.2	108.2	100.0	102.0	103.6	113.5
2007	114.0	119.0	119.0	119.0	115.1	129.2	107.4	115.3
2008	122.4	134.2	134.2	134.1	147.1	120.5	120.9	191.2
2009	143.4	152.3	152.9	152.0	163.9	288.8	116.2	129.5
2010	156.1	161.2	161.9	160.9	203.0	261.7	125.9	151.3
2011	162.6	164.6	172.0	160.9	203.0	335.0	141.8	200.9

자료 : 통계청

10 Producer Price Indexes of Major Energy Products

2005=100.0

나프타 Naphtha	경 유 Diesel	중 유 Bunker B	중질중유 Bunker C	프로판 Propane	부 탄 Butane	엔진오일 Engine Oil	유압유 Pressure Oil	
41.3	22.7	28.9	50.5	97.1	66.2	43.1	–	1981
37.4	26.0	31.6	54.6	97.7	66.6	43.1	–	1982
36.5	26.0	30.6	51.0	83.7	57.2	43.1	–	1983
39.2	25.9	29.9	48.8	83.9	57.3	43.1	–	1984
38.6	25.9	29.8	48.5	84.0	57.3	43.2	–	1985
23.2	21.8	24.6	38.2	62.1	42.4	41.8	–	1986
24.8	20.5	22.9	35.2	54.8	37.4	40.7	–	1987
20.0	16.6	18.1	26.5	39.7	27.1	40.6	–	1988
21.0	15.8	16.4	22.1	33.4	22.8	39.3	–	1989
28.6	15.8	16.4	22.0	33.5	22.8	40.6	–	1990
30.4	15.8	16.1	21.3	32.5	22.2	46.9	–	1991
28.3	17.3	17.1	21.7	33.1	22.6	46.9	–	1992
26.0	18.6	18.2	22.7	34.1	23.3	46.9	–	1993
22.9	19.6	19.9	22.5	33.3	22.7	46.9	–	1994
24.8	20.8	22.7	28.3	34.7	23.7	49.6	53.6	1995
28.0	26.5	28.5	34.7	36.9	25.2	51.6	54.2	1996
35.8	33.8	37.8	46.7	48.7	33.3	52.8	55.6	1997
40.6	49.5	54.5	61.7	77.6	53.1	77.1	79.6	1998
39.2	47.0	45.7	53.1	58.5	40.1	70.0	74.9	1999
56.8	56.6	60.0	67.6	77.5	53.0	74.9	79.1	2000
58.7	60.9	63.2	71.0	88.9	66.8	83.6	88.7	2001
56.2	66.1	64.9	75.6	73.7	68.3	82.3	88.7	2002
68.9	76.6	72.5	81.0	82.0	85.9	83.1	88.7	2003
89.8	86.9	84.0	87.3	89.1	96.7	92.9	97.5	2004
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	2005
112.9	113.5	114.4	117.0	112.3	104.0	116.9	112.5	2006
130.5	119.4	118.2	121.6	119.8	106.9	116.2	113.6	2007
179.5	151.3	178.8	186.3	183.0	142.2	148.9	155.4	2008
149.4	130.5	143.1	157.8	132.0	109.8	145.5	158.2	2009
178.3	143.9	164.8	184.4	164.8	126.7	146.9	166.0	2010
221.1	167.7	211.6	240.4	198.3	152.3	178.7	209.5	2011

Source : Statistics Korea

10 주요 에너지 제품별 생산자 물가지수(계속)

2005=100.0

	선박유 Vessel Oil	그리스 Grease	아스팔트 Asphalt	전력,수도및 도시가스 Electric, Water & Gas	전 력 Electricity			
						산업용 Industry	일반용 General	주택용 Residential
1981	–	38.3	36.5	74.6	93.7	79.9	119.1	–
1982	–	38.4	40.5	80.8	101.5	87.1	127.3	–
1983	–	38.4	38.9	78.9	99.2	87.1	117.9	–
1984	–	38.4	38.4	78.4	98.6	87.1	115.3	–
1985	–	38.9	38.4	78.4	98.6	87.1	115.3	–
1986	–	38.2	32.0	76.2	95.4	86.6	104.6	–
1987	–	38.1	29.9	73.5	92.0	83.4	101.1	–
1988	–	37.7	22.6	67.3	84.2	76.5	91.8	–
1989	–	36.8	18.9	63.2	78.7	72.9	81.5	–
1990	–	37.9	18.9	59.5	73.7	68.4	75.7	–
1991	–	44.0	19.0	60.3	73.5	68.0	76.2	–
1992	–	44.0	21.1	64.4	78.4	72.4	81.5	–
1993	–	44.0	21.6	65.3	78.7	72.7	81.9	–
1994	–	44.0	21.9	65.6	78.7	72.7	81.9	–
1995	55.6	49.3	34.8	68.0	81.3	75.1	84.5	91.1
1996	56.0	53.0	39.6	69.6	82.5	76.3	85.9	91.9
1997	57.4	55.1	42.9	72.9	84.9	78.6	88.4	94.6
1998	81.7	81.7	59.0	83.1	93.0	86.0	96.9	103.5
1999	76.1	79.9	66.1	83.5	93.9	87.2	97.9	103.5
2000	78.4	80.7	94.5	90.7	98.8	93.8	103.2	104.1
2001	81.6	85.6	99.5	98.3	102.0	97.6	105.8	106.9
2002	81.6	84.5	97.0	95.1	101.8	97.6	105.8	106.0
2003	81.6	84.5	97.4	97.9	101.7	99.8	103.8	103.1
2004	90.5	94.7	95.1	98.8	100.3	100.0	100.6	100.5
2005	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2006	122.0	108.2	134.4	107.4	102.1	103.2	100.9	101.7
2007	131.4	107.3	149.6	111.2	105.5	108.5	103.3	103.0
2008	174.9	143.4	205.1	115.9	105.5	110.6	100.1	103.0
2009	187.0	150.9	225.5	123.7	111.8	121.8	101.5	106.3
2010	187.1	154.4	262.1	128.7	116.1	128.8	102.4	110.2
2011	216.5	183.1	302.8	136.2	120.6	136.2	104.7	112.0

자료 : 통계청

10 Producer Price Indexes of Major Energy Products(Continued)

2005=100.0

수 도 Water	영업용 Commercial 1	업무용 Commercial 2	가정용 Residential	도시가스 Town Gas	증 기 Steam	지역난방 District Heating	
–	–	–	–	–	–	–	1981
–	–	–	–	–	–	–	1982
–	–	–	–	–	–	–	1983
–	–	–	–	–	–	–	1984
30.5	41.6	–	–	54.5	–	–	1985
30.5	41.6	–	–	54.5	–	–	1986
30.5	41.6	–	–	52.9	–	–	1987
30.5	41.6	–	–	34.5	–	–	1988
30.5	41.6	–	–	30.8	–	–	1989
30.5	41.6	–	–	33.5	–	–	1990
35.3	48.1	–	–	35.3	–	–	1991
37.3	50.8	–	–	38.7	–	–	1992
39.6	54.0	–	–	40.5	–	–	1993
40.8	55.6	–	–	41.3	–	–	1994
44.2	60.3	43.5	34.9	42.2	–	–	1995
48.9	63.9	47.3	40.7	43.6	–	–	1996
52.0	67.3	52.2	42.8	49.9	–	–	1997
56.5	71.3	57.7	46.9	71.4	–	–	1998
65.4	79.9	64.4	57.0	64.6	–	–	1999
74.0	86.5	70.6	68.0	78.5	81.0	–	2000
80.7	92.2	76.3	75.7	96.7	87.9	–	2001
84.7	94.8	79.6	80.8	83.4	91.1	–	2002
91.6	99.8	86.2	89.2	91.7	94.0	–	2003
96.5	102.2	92.0	95.2	96.9	92.3	–	2004
100.0	100.0	100.0	100.0	100.0	100.0	100.0	2005
102.4	101.5	103.1	102.7	119.8	114.7	108.5	2006
106.2	104.3	108.6	106.2	125.1	112.5	110.2	2007
111.5	108.0	114.8	111.8	136.0	169.6	120.3	2008
112.3	107.6	116.3	113.1	150.0	158.3	129.9	2009
113.3	107.8	117.7	114.3	157.4	170.5	129.8	2010
114.2	108.5	118.6	115.4	172.2	201.5	127.2	2011

Source : Statistics Korea

11 도시가구당 월평균 소비지출

Average Monthly Consumption Expenditure per Household in Cities

	도시가구 Household in Cities			도시근로자가구 Household for Urban Salary and Wage Earner's Households			
	소비지출 Consumption Expenditure	교통.통신비 Transport, Communication	주거,수도.광열비 Housing, Water, Electricity, Gas and Other fuel	소 득 Income	소비지출 Consumption Expenditure	교통.통신비 Transport, Communication	주거,수도.광열비 Housing, Water, Electricity, Gas and Other fuel
	1,000 Won						
1981	215.3	–	–	281.0	211.8	–	–
1982	249.0	–	–	313.6	235.7	–	–
1983	271.0	–	–	359.0	259.5	–	–
1984	294.4	–	–	395.6	281.7	–	–
1985	317.0	–	–	423.8	302.2	–	–
1986	348.2	–	–	473.6	331.5	–	–
1987	400.0	–	–	553.1	379.7	–	–
1988	467.6	–	–	646.7	443.3	–	–
1989	594.3	–	–	804.9	561.7	–	–
1990	603.1	60.9	60.4	945.3	579.3	59.4	57.7
1991	719.2	73.9	70.7	1,163.3	694.5	72.7	66.7
1992	826.4	87.1	83.3	1,359.1	803.8	87.9	77.7
1993	896.5	104.8	89.6	1,472.0	872.4	103.5	86.4
1994	1,009.0	128.3	94.0	1,686.1	990.9	134.1	90.6
1995	1,125.2	150.6	101.1	1,897.6	1,099.7	153.9	98.7
1996	1,269.2	174.6	113.6	2,149.4	1,251.3	184.7	109.8
1997	1,330.3	196.4	121.5	2,268.7	1,305.6	199.9	116.9
1998	1,176.8	182.3	128.0	2,137.9	1,180.9	190.7	124.4
1999	1,334.3	225.8	136.0	2,234.6	1,355.0	240.6	129.8
2000	1,483.9	263.5	151.5	2,388.2	1,490.8	270.4	147.5
2001	1,600.4	289.6	173.6	2,658.2	1,627.5	306.2	169.7
2002	1,669.7	313.7	171.9	2,835.4	1,697.4	322.1	173.6
2003	1,757.1	331.6	172.7	2,930.8	1,792.8	343.7	172.0
2004	1,848.7	348.5	178.2	3,112.5	1,897.1	363.4	180.3
2005	1,925.6	363.7	188.3	3,252.1	1,991.1	379.5	188.5
2006	1,997.4	380.3	197.0	3,444.1	2,070.9	398.8	199.8
2007	2,072.6	390.0	200.3	3,656.2	2,163.6	419.4	198.8
2008	2,179.6	402.2	211.2	3,900.6	2,308.5	432.4	212.2
2009	2,179.9	397.9	214.3	3,853.2	2,310.3	427.0	216.7
2010	2,312.5	407.3	232.1	4,007.7	2,435.1	436.3	231.1
2011	2,404.3	426.7	243.5	4,248.6	2,531.4	450.5	243.2

Source : Statistics Korea

Ⅷ. 에너지 밸런스

Energy Balance

1 1990년

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		석 탄							석 유										
			무연탄			유연탄				에너지유									
				국내탄	수입탄		원료탄	연료탄			휘발유	등 유	경 유	경질중유	중 유	중질중유	JA-1	JP-4	AVI-G
		Total of Coal	Anthracite	Domestic	Import	Bituminous	Coking	Steam	Total of Petroleum	Energy Use	Gasoline	Kerosene	Diesel	B - A	B - B	B - C			
		1,000 toe																	
국 내 생 산	1	7,748	7,748	7,748	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
수 입	2	15,752	673	–	673	15,080	7,449	7,630	57,345	46,040	3,159	4,288	15,817	406	260	19,863	1,362	884	1
(석 유 생 산)	3	–	–	–	–	–	–	–	43,942	37,283	3,159	1,872	13,830	406	260	15,510	1,362	884	–
(석 유 수 입)	4	–	–	–	–	–	–	–	13,403	8,757	–	2,416	1,987	–	–	4,353	–	–	1
수 출	5	–	–	–	–	–	–	–	–3,997	–3,449	–4	–13	–1,529	–	–	–1,903	–	–	–
국 제 벙 커 링	6	–	–	–	–	–	–	–	–2,280	–2,280	–	–	–254	–35	–6	–1,421	–563	–	–
재 고 증 감	7	948	948	818	130	–	–	–	–633	–502	–31	–680	97	–2	3	159	–29	–18	–
연 초 재 고	8	4,779	4,779	3,749	1,030	–	–	–	2,051	1,701	118	182	582	18	20	690	59	31	–
연 말 재 고	9	–3,831	–3,831	–2,931	–899	–	–	–	–2,683	–2,203	–150	–862	–485	–21	–17	–531	–87	–50	–1
통 계 오 차	10	–63	579	345	233	–642	296	–937	–261	–156	3	–145	122	–12	12	–242	81	26	–
1 차 에 너 지 소 비	11	24,385	9,947	8,911	1,036	14,438	7,745	6,693	50,175	39,653	3,126	3,450	14,253	356	269	16,455	851	892	1
에 너 지 전 환	12	–4,531	–754	–754	–	–3,777	–	–3,777	–4,923	–4,661	–	–	–260	–	–1	–4,400	–	–	–
발 전	13	–4,531	–754	–754	–	–3,777	–	–3,777	–4,658	–4,658	–	–	–257	–	–1	–4,400	–	–	–
지 역 난 방	14	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
가 스 제 조	15	–	–	–	–	–	–	–	–265	–3	–	–	–3	–	–	–	–	–	–
자 가 소 비 및 손 실	16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
최 종 에 너 지 소 비	17	19,855	9,194	8,157	1,036	10,661	7,745	2,916	45,252	34,991	3,126	3,449	13,993	356	268	12,055	851	892	1
산 업 부 문	18	10,806	145	78	67	10,661	7,745	2,916	20,014	12,894	69	620	3,021	253	183	8,748	–	–	–
농 림 어 업	19	–	–	–	–	–	–	–	1,687	1,686	51	162	1,326	95	11	41	–	–	–
광 업	20	–	–	–	–	–	–	–	119	118	–	2	57	3	4	52	–	–	–
제 조 업	21	10,806	145	78	67	10,661	7,745	2,916	16,852	10,549	15	415	1,280	152	162	8,524	–	–	–
음 식. 담 배	22	15	–	–	–	15	–	15	1,064	1,046	1	13	112	5	10	906	–	–	–
섬 유. 의 복	23	61	–	–	–	61	–	61	1,612	1,606	–	8	30	8	9	1,550	–	–	–
목 재. 나 무	24	–	–	–	–	–	–	–	72	72	–	–	3	–	–	68	–	–	–
펄 프. 인 쇄	25	58	–	–	–	58	–	58	847	844	–	3	5	1	5	830	–	–	–
석 유. 화 학	26	114	–	–	–	114	–	114	8,900	2,809	1	112	145	21	14	2,516	–	–	–
비 금 속	27	2,701	39	39	–	2,662	–	2,662	1,234	1,194	–	45	211	52	28	858	–	–	–
1 차 금 속	28	7,777	32	32	–	7,745	7,745	–	952	934	–	11	85	24	28	785	–	–	–
비 철 금 속	29	–	–	–	–	–	–	–	187	143	–	4	25	5	20	88	–	–	–
조 립 금 속	30	–	–	–	–	–	–	–	866	799	7	18	147	16	28	584	–	–	–
기 타 제 조	31	80	75	7	67	6	–	6	1,096	1,081	4	201	509	21	20	326	–	–	–
기 타 에 너 지	32	–	–	–	–	–	–	–	21	21	–	–	7	–	–	14	–	–	–
건 설 업	33	–	–	–	–	–	–	–	1,356	541	3	40	358	3	5	131	–	–	–
수 송 부 문	34	–	–	–	–	–	–	–	14,086	12,864	2,936	22	7,748	84	40	1,199	835	–	1
철 도 운 수	35	–	–	–	–	–	–	–	305	305	–	–	300	–	–	4	–	–	–
육 상 운 수	36	–	–	–	–	–	–	–	11,205	9,984	2,927	21	7,023	3	–	10	–	–	–
수 상 운 수	37	–	–	–	–	–	–	–	1,669	1,669	–	–	410	81	37	1,140	–	–	–
항 공 운 수	38	–	–	–	–	–	–	–	908	907	9	–	15	–	2	44	835	–	1
가 정 부 문	39	9,027	9,027	8,058	969	–	–	–	4,960	3,079	5	1,456	750	10	22	837	–	–	–
상 업 부 분	40	–	–	–	–	–	–	–	3,916	3,886	19	1,223	1,656	8	18	961	–	–	–
공 공 부 문	41	21	21	21	–	–	–	–	2,276	2,268	97	129	818	2	5	311	16	891	–

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
											천연가스	도시가스	수 력	원자력	전 력	열	신재생	합 계	
LPG			비에너지																
	프로판	부 탄		나프타	용 제	아스팔트	윤활기유	파라핀 왁스	석유 코크	기타제품									
	Propane	Butane	Non-Energy Use	Naphtha	Solvent	Asphalt	Lubricant	Paraffin-Wax	Petroleum Coke	Other Products	L N G	Town Gas	Hydro	Nuclear	Electricity	Heat	Renewable Energy	Total	
1,000 toe																			
–	–	–	–	–	–	–	–	–	–	–	–	–	1,590	13,222	–	–	797	23,356	Domestic Production
3,949	2,466	1,483	7,356	6,473	69	814	–	–	–	–	2,974	–	–	–	–	–	–	76,072	Imports
1,263	321	941	5,397	4,513	69	814	–	–	–	–	–	–	–	–	–	–	–	43,942	(Petroleum Products)
2,687	2,145	542	1,960	1,960	0	–	–	–	–	–	–	–	–	–	–	–	–	13,403	(Petroleum Imports)
-112	-57	-55	-436	-423	-8	-5	–	–	–	–	–	–	–	–	–	–	–	-3,997	Exports
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	-2,280	Int'l Bunkers
-133	-101	-33	3	12	-1	-8	–	–	–	–	49	–	–	–	–	–	–	365	Stock Change(+/-)
109	74	35	240	229	2	10	–	–	–	–	109	–	–	–	–	–	–	6,939	Former Stock
-243	-174	-68	-238	-216	-3	-18	–	–	–	–	-60	–	–	–	–	–	–	-6,574	Ending Stock
-102	-23	-80	-3	-15	–	12	–	–	–	–	–	–	–	–	–	–	–	-324	Statistical Difference
3,601	2,285	1,316	6,921	6,048	60	813	–	–	–	–	3,023	–	1,590	13,222	–	–	797	93,192	Primary Consumption
-233	-231	-2	-28	-28	–	–	–	–	–	–	-3,023	1,011	-1,590	-13,222	8,117	75	–	-18,085	Transformation
–	–	–	–	–	–	–	–	–	–	–	-2,260	–	-1,590	-13,222	9,260	79	–	-16,922	Electric Generation
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	District Heating
-233	-231	-2	-28	-28	–	–	–	–	–	–	-747	1,017	–	–	–	–	–	5	Gas Manufacturing
–	–	–	–	–	–	–	–	–	–	–	-16	-5	–	–	-1,143	-4	–	-1,168	Own Use & Loss
3,368	2,054	1,314	6,893	6,020	60	813	–	–	–	–	–	1,011	–	–	8,117	75	797	75,107	Final Consumption
229	128	101	6,891	6,019	60	813	–	–	–	–	–	235	–	–	5,095	–	–	36,150	Industry
1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	125	–	–	1,813	Agri, Fishery
1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	87	–	–	205	Mining
224	124	100	6,079	6,019	60	–	–	–	–	–	–	–	–	–	4,883	–	–	32,542	Manufacturing
18	11	7	–	–	–	–	–	–	–	–	–	–	–	–	304	–	–	1,383	Food Tobacco
6	4	2	–	–	–	–	–	–	–	–	–	–	–	–	817	–	–	2,491	Textile & Apparel
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	54	–	–	126	Wood & Wood Pro.
2	2	–	–	–	–	–	–	–	–	–	–	–	–	–	333	–	–	1,238	Pulp & Publications
42	12	30	6,049	5,989	60	–	–	–	–	–	–	–	–	–	939	–	–	9,953	Petro. Chemical
39	27	11	2	2	–	–	–	–	–	–	–	–	–	–	484	–	–	4,420	Non-Metallic
18	9	10	–	–	–	–	–	–	–	–	–	–	–	–	866	–	–	9,595	Iron & Steel
17	11	6	27	27	–	–	–	–	–	–	–	–	–	–	–	–	–	187	Non-ferrous
67	39	28	–	–	–	–	–	–	–	–	–	–	–	–	1,040	–	–	1,906	Fabricated Metal
14	9	6	–	–	–	–	–	–	–	–	–	–	–	–	45	–	–	1,221	Other Manufacturing
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	21	Other Energy
3	3	–	813	–	–	813	–	–	–	–	–	–	–	–	–	–	–	1,356	Construction
1,222	15	1,207	–	–	–	–	–	–	–	–	–	–	–	–	87	–	–	14,173	Transportation
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	87	–	–	392	Rail
1,221	15	1,206	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	11,205	Land
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1,669	Water
1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	908	Air
1,880	1,880	–	–	–	–	–	–	–	–	–	–	455	–	–	1,525	69	731	16,766	Residential
29	27	2	1	1	–	–	–	–	–	–	–	322	–	–	895	6	66	5,205	Commercial
8	4	4	–	–	–	–	–	–	–	–	–	–	–	–	514	1	–	2,812	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

1 1991년

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		석 탄							석 유										
			무연탄			유연탄				에너지유									
				국내탄	수입탄		원료탄	연료탄			휘발유	등 유	경 유	경질중유	중 유	중질중유	JA-1	JP-4	AVI-G
		Total of Coal	Anthracite	Domestic	Import	Bituminous	Coking	Steam	Total of Petroleum	Energy Use	Gasoline	Kerosene	Diesel	B - A	B - B	B - C			
		1,000 toe																	
국 내 생 산	1	6,776	6,776	6,776	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
수 입	2	19,321	903	–	903	18,418	10,278	8,140	73,689	58,287	3,766	3,232	20,195	431	285	27,963	1,794	621	1
(석 유 생 산)	3	–	–	–	–	–	–	–	59,202	49,970	3,766	1,880	18,615	431	285	22,578	1,794	621	–
(석 유 수 입)	4	–	–	–	–	–	–	–	14,487	8,317	–	1,351	1,580	–	–	5,384	–	–	1
수 출	5	–	–	–	–	–	–	–	–10,418	–9,555	–131	–	–3,022	–	–	–5,969	–433	–	–
국 제 벙 커 링	6	–	–	–	–	–	–	–	–3,149	–3,149	–	–	–363	–49	–18	–2,134	–584	–	–
재 고 증 감	7	–104	–104	–155	52	–	–	–	–170	–61	–15	593	–214	1	–	–404	–46	25	–1
연 초 재 고	8	3,831	3,831	2,931	899	–	–	–	2,683	2,203	150	862	485	21	17	531	87	50	1
연 말 재 고	9	–3,934	–3,934	–3,087	–848	–	–	–	–2,853	–2,264	–165	–269	–699	–20	–17	–935	–133	–25	–1
통 계 오 차	10	–1,459	568	551	17	–2,027	–1,070	–957	–326	252	170	–285	154	–13	15	–154	210	153	–
1 차 에 너 지 소 비	11	24,535	8,144	7,172	971	16,391	9,208	7,183	59,627	45,773	3,789	3,541	16,750	369	282	19,301	941	799	1
에 너 지 전 환	12	–4,620	–808	–750	–58	–3,812	–	–3,812	–6,948	–6,503	–1	–	–295	–	–2	–6,205	–	–	–
발 전	13	–4,620	–808	–750	–58	–3,812	–	–3,812	–6,498	–6,498	–	–	–290	–	–2	–6,205	–	–	–
지 역 난 방	14	–	–	–	–	–	–	–	–4	–4	–	–	–	–	–	–4	–	–	–
가 스 제 조	15	–	–	–	–	–	–	–	–450	–5	–	–	–4	–	–	–	–	–	–
자 가 소 비 및 손 실	16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
최 종 에 너 지 소 비	17	19,915	7,336	6,422	913	12,579	9,208	3,371	52,675	39,266	3,788	3,540	16,455	369	280	13,092	941	799	1
산 업 부 문	18	12,745	166	53	113	12,579	9,208	3,371	24,251	14,298	89	657	3,487	260	191	9,613	–	–	–
농 림 어 업	19	–	–	–	–	–	–	–	1,849	1,848	59	152	1,490	93	11	42	–	–	–
광 업	20	–	–	–	–	–	–	–	121	121	–	3	62	2	4	49	–	–	–
제 조 업	21	12,745	166	53	113	12,579	9,208	3,371	20,631	11,800	26	499	1,543	162	169	9,401	–	–	–
음 식. 담 배	22	10	–	–	–	10	–	10	1,084	1,070	1	15	120	5	8	921	–	–	–
섬 유. 의 복	23	30	–	–	–	30	–	30	1,567	1,560	–	7	33	9	9	1,503	–	–	–
목 재. 나 무	24	30	–	–	–	30	–	30	79	79	–	–	3	–	–	75	–	–	–
펄 프. 인 쇄	25	–	–	–	–	–	–	–	935	931	–	5	5	1	5	915	–	–	–
석 유. 화 학	26	145	–	–	–	145	–	145	11,940	3,425	–	180	148	23	18	3,056	–	–	–
비 금 속	27	3,178	26	26	–	3,152	–	3,152	1,350	1,275	–	29	250	50	26	920	–	–	–
1 차 금 속	28	9,229	22	22	–	9,208	9,208	–	1,053	1,030	–	11	89	25	28	877	–	–	–
비 철 금 속	29	3	–	–	–	3	–	3	187	136	–	4	24	5	17	86	–	–	–
조 립 금 속	30	–	–	–	–	–	–	–	984	909	19	19	165	20	35	652	–	–	–
기 타 제 조	31	118	118	5	113	–	–	–	1,423	1,355	5	230	697	24	21	377	–	–	–
기 타 에 너 지	32	–	–	–	–	–	–	–	28	28	–	–	8	–	–	19	–	–	–
건 설 업	33	–	–	–	–	–	–	–	1,649	529	3	3	392	3	7	121	–	–	–
수 송 부 문	34	–	–	–	–	–	–	–	16,062	14,792	3,551	21	8,717	90	38	1,435	940	–	1
철 도 운 수	35	–	–	–	–	–	–	–	310	310	–	–	305	–	1	4	–	–	–
육 상 운 수	36	–	–	–	–	–	–	–	12,855	11,585	3,551	20	7,999	3	–	12	–	–	–
수 상 운 수	37	–	–	–	–	–	–	–	1,947	1,947	–	–	410	87	36	1,413	–	–	–
항 공 운 수	38	–	–	–	–	–	–	–	950	950	–	–	3	–	–	5	940	–	1
가 정 부 문	39	7,170	7,170	6,369	800	–	–	–	6,081	3,912	7	1,646	1,106	6	9	1,139	–	–	–
상 업 부 분	40	–	–	–	–	–	–	–	4,080	4,072	24	1,142	2,285	10	37	574	–	–	–
공 공 부 문	41	–	–	–	–	–	–	–	2,201	2,192	118	74	861	3	6	332	1	799	–

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
											천연가스	도시가스	수 력	원자력	전 력	열	신재생	합 계	
LPG			비에너지																
	프로판	부 탄		나프타	용 제	아스팔트	윤활기유	파라핀 왁스	석유 코크	기타제품									
	Propane	Butane	Non-Energy Use	Naphtha	Solvent	Asphalt	Lubricant	Paraffin-Wax	Petroleum Coke	Other Products	L N G	Town Gas	Hydro	Nuclear	Electricity	Heat	Renewable Energy	Total	
1,000 toe																			
–	–	–	–	–	–	–	–	–	–	–	–	–	1,263	14,078	–	–	617	22,734	Domestic Production
11,068	9,908	53	11,068	9,908	53	1,106	–	–	–	–	3,586	–	–	–	–	–	–	96,596	Imports
7,892	6,746	53	7,892	6,746	53	1,093	–	–	–	–	–	–	–	–	–	–	–	59,202	(Petroleum Products)
3,176	3,162	–	3,176	3,162	–	14	–	–	–	–	–	–	–	–	–	–	–	14,487	(Petroleum Imports)
–725	–715	–6	–725	–715	–6	–3	–	–	–	–	–	–	–	–	–	–	–	–10,418	Exports
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–3,149	Int'l Bunkers
–180	–175	1	–180	–175	1	–7	–	–	–	–	–83	–	–	–	–	–	–	–356	Stock Change(+/–)
238	216	3	238	216	3	18	–	–	–	–	60	–	–	–	–	–	–	6,574	Former Stock
–418	–391	–3	–418	–391	–3	–24	–	–	–	–	–143	–	–	–	–	–	–	–6,930	Ending Stock
–647	–666	–	–647	–666	–	19	–	–	–	–	–	–	–	–	–	–3	–	–1,788	Statistical Difference
9,515	8,352	47	9,515	8,352	47	1,115	–	–	–	–	3,503	–	1,263	14,078	–	–3	617	103,619	Primary Consumption
–	–	–	–	–	–	–	–	–	–	–	–3,503	1,540	–1,263	–14,078	8,976	83	–	–19,812	Transformation
–	–	–	–	–	–	–	–	–	–	–	–2,340	–	–1,263	–14,078	10,201	80	–	–18,517	Electric Generation
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–4	District Heating
–	–	–	–	–	–	–	–	–	–	–	–1,143	1,522	–	–	–	3	–	–68	Gas Manufacturing
–	–	–	–	–	–	–	–	–	–	–	–20	18	–	–	–1,225	–	–	–1,227	Own Use & Loss
9,515	8,352	47	9,515	8,352	47	1,115	–	–	–	–	–	1,540	–	–	8,976	80	617	83,803	Final Consumption
9,515	8,352	47	9,515	8,352	47	1,115	–	–	–	–	–	313	–	–	5,606	–	–	42,914	Industry
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	153	–	–	2,002	Agri, Fishery
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	86	–	–	208	Mining
8,400	8,352	47	8,400	8,352	47	–	–	–	–	–	–	313	–	–	5,366	–	–	39,055	Manufacturing
–	–	–	–	–	–	–	–	–	–	–	–	14	–	–	326	–	–	1,434	Food Tobacco
–	–	–	–	–	–	–	–	–	–	–	–	17	–	–	852	–	–	2,466	Textile & Apparel
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	59	–	–	169	Wood & Wood Pro.
–	–	–	–	–	–	–	–	–	–	–	–	3	–	–	364	–	–	1,302	Pulp & Publications
8,363	8,315	47	8,363	8,315	47	–	–	–	–	–	–	17	–	–	1,103	–	–	13,205	Petro, Chemical
4	4	–	4	4	–	–	–	–	–	–	–	50	–	–	563	–	–	5,141	Non-Metallic
–	–	–	–	–	–	–	–	–	–	–	–	86	–	–	898	–	–	11,266	Iron & Steel
33	33	–	33	33	–	–	–	–	–	–	–	–	–	–	–	–	–	191	Non-ferrous
–	–	–	–	–	–	–	–	–	–	–	–	114	–	–	1,152	–	–	1,604	Fabricated Metal
–	–	–	–	–	–	–	–	–	–	–	–	13	–	–	51	–	–	1,652	Other Manufacturing
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	28	Other Energy
1,115	–	–	1,115	–	–	1,115	–	–	–	–	–	–	–	–	–	–	–	1,649	Construction
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	94	–	–	16,156	Transportation
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	94	–	–	404	Rail
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	12,855	Land
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1,947	Water
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	950	Air
–	–	–	–	–	–	–	–	–	–	–	–	810	–	–	1,675	72	538	16,345	Residential
–	–	–	–	–	–	–	–	–	–	–	–	350	–	–	1,057	7	80	5,574	Commercial
–	–	–	–	–	–	–	–	–	–	–	–	68	–	–	544	1	–	2,813	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

2 1992년

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		석 탄							석 유										
			무연탄			유연탄				에너지유									
				국내탄	수입탄		원료탄	연료탄			휘발유	등 유	경 유	경질중유	중 유	중질중유	JA-1	JP-4	AVI-G
		Total of Coal	Anthracite	Domestic	Import	Bituminous	Coking	Steam	Total of Petroleum	Energy Use	Gasoline	Kerosene	Diesel	B - A	B - B	B - C			
		1,000 toe																	
국 내 생 산	1	5,387	5,387	5,387	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
수 입	2	19,816	539	–	539	19,277	10,811	8,466	90,732	69,196	4,269	5,297	23,162	502	262	32,831	2,159	715	–
(석 유 생 산)	3	–	–	–	–	–	–	–	73,147	61,713	4,269	4,054	22,316	502	262	27,437	2,159	715	–
(석 유 수 입)	4	–	–	–	–	–	–	–	17,585	7,482	–	1,243	846	–	–	5,394	–	–	–
수 출	5	–	–	–	–	–	–	–	–13,769	–13,000	–16	–	–3,967	–	–	–7,981	–702	–333	–
국 제 벙 커 링	6	–	–	–	–	–	–	–	–3,976	–3,976	–	–	–482	–93	–4	–2,746	–651	–	–
재 고 증 감	7	305	305	69	236	–	–	–	–706	–340	–1	–184	–290	–3	–1	88	58	–5	–
연 초 재 고	8	3,934	3,934	3,087	848	–	–	–	3,618	2,850	165	269	699	20	17	1,521	133	25	1
연 말 재 고	9	–3,629	–3,629	–3,018	–611	–	–	–	–4,324	–3,190	–166	–453	–989	–24	–19	–1,433	–75	–30	–1
통 계 오 차	10	–1,890	84	75	9	–1,974	–1,324	–650	–541	431	400	–375	216	–13	15	–140	310	18	–
1 차 에 너 지 소 비	11	23,618	6,315	5,531	784	17,303	9,488	7,816	71,740	52,311	4,651	4,737	18,639	392	271	22,051	1,174	395	–
에 너 지 전 환	12	–4,930	–757	–708	–49	–4,173	–	–4,173	–8,800	–8,172	–2	–1	–595	–	–1	–7,572	–	–	–
발 전	13	–4,930	–757	–708	–49	–4,173	–	–4,173	–8,113	–8,113	–	–1	–586	–	–1	–7,525	–	–	–
지 역 난 방	14	–	–	–	–	–	–	–	–50	–50	–	–	–2	–	–	–48	–	–	–
가 스 제 조	15	–	–	–	–	–	–	–	–638	–9	–2	–1	–7	–	–	–	–	–	–
자 가 소 비 및 손 실	16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
최 종 에 너 지 소 비	17	18,688	5,558	4,823	735	13,131	9,488	3,643	62,939	44,139	4,649	4,736	18,044	392	271	14,479	1,174	395	–
산 업 부 문	18	13,388	257	29	228	13,131	9,488	3,643	30,514	15,527	117	705	3,631	257	184	10,634	–	–	–
농 림 어 업	19	–	–	–	–	–	–	–	2,101	2,099	83	208	1,659	98	10	42	–	–	–
광 업	20	–	–	–	–	–	–	–	113	112	–	2	56	2	5	48	–	–	–
제 조 업	21	13,388	257	29	228	13,131	9,488	3,643	26,254	12,857	31	493	1,613	154	162	10,404	–	–	–
음 식. 담 배	22	25	–	–	–	25	–	25	1,169	1,153	1	10	119	5	7	1,011	–	–	–
섬 유. 의 복	23	55	–	–	–	55	–	55	1,443	1,438	–	6	34	9	6	1,382	–	–	–
목 재. 나 무	24	–	–	–	–	–	–	–	78	78	–	–	3	–	–	74	–	–	–
펄 프. 인 쇄	25	15	–	–	–	15	–	15	1,073	1,071	–	4	6	1	5	1,055	–	–	–
석 유. 화 학	26	138	–	–	–	138	–	138	16,960	3,815	–	169	154	22	14	3,456	–	–	–
비 금 속	27	3,416	9	9	–	3,406	–	3,406	1,526	1,432	–	27	233	43	17	1,112	–	–	–
1 차 금 속	28	9,593	106	20	86	9,488	9,488	–	1,305	1,288	–	7	86	24	24	1,147	–	–	–
비 철 금 속	29	5	–	–	–	5	–	5	137	123	–	4	23	6	14	77	–	–	–
조 립 금 속	30	–	–	–	–	–	–	–	1,048	973	21	19	193	22	54	664	–	–	–
기 타 제 조	31	142	142	–	142	–	–	–	1,477	1,451	9	245	753	20	20	403	–	–	–
기 타 에 너 지	32	–	–	–	–	–	–	–	37	34	–	–	10	1	–	23	–	–	–
건 설 업	33	–	–	–	–	–	–	–	2,047	459	3	3	304	3	7	140	–	–	–
수 송 부 문	34	–	–	–	–	–	–	–	18,430	17,039	4,410	33	9,527	111	37	1,748	1,173	–	–
철 도 운 수	35	–	–	–	–	–	–	–	316	316	–	–	311	–	1	4	–	–	–
육 상 운 수	36	–	–	–	–	–	–	–	14,644	13,254	4,409	32	8,794	3	–	16	–	–	–
수 상 운 수	37	–	–	–	–	–	–	–	2,288	2,288	–	1	421	109	35	1,722	–	–	–
항 공 운 수	38	–	–	–	–	–	–	–	1,182	1,182	–	–	2	–	–	6	1,173	–	–
가 정 부 문	39	5,288	5,288	4,793	495	–	–	–	7,607	5,242	8	2,545	1,519	7	10	1,154	–	–	–
상 업 부 분	40	–	–	–	–	–	–	–	4,798	4,745	37	1,378	2,654	12	33	630	–	–	–
공 공 부 문	41	12	12	–	12	–	–	–	1,590	1,586	77	75	713	4	7	314	1	395	–

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
											천연가스	도시가스	수 력	원자력	전 력	열	신재생	합 계	
LPG			비에너지																
	프로판	부 탄		나프타	용 제	아스팔트	윤활기유	파라핀 왁스	석유 코크	기타제품									
	Propane	Butane	Non-Energy Use	Naphtha	Solvent	Asphalt	Lubricant	Paraffin-Wax	Petroleum Coke	Other Products	L N G	Town Gas	Hydro	Nuclear	Electricity	Heat	Renewable Energy	Total	
1,000 toe																			
–	–	–	–	–	–	–	–	–	–	–	–	–	1,216	14,133	–	–	723	21,457	Domestic Production
5,478	3,453	2,025	16,058	14,398	59	1,601	–	–	–	–	4,453	–	–	–	–	–	–	115,001	Imports
1,537	455	1,081	9,897	8,300	59	1,538	–	–	–	–	–	–	–	–	–	–	–	73,147	(Petroleum Products)
3,942	2,998	943	6,161	6,098	–	63	–	–	–	–	–	–	–	–	–	–	–	17,585	(Petroleum Imports)
-69	-21	-47	-700	-691	-7	-3	–	–	–	–	–	–	–	–	–	–	–	-13,769	Exports
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	-3,976	Int'l Bunkers
-89	-66	-24	-277	-243	-4	-30	–	–	–	–	56	–	–	–	–	–	–	-345	Stock Change(+/-)
170	112	59	597	570	3	24	–	–	–	–	143	–	–	–	–	–	–	7,695	Former Stock
-259	-177	-82	-874	-813	-7	-54	–	–	–	–	-87	–	–	–	–	–	–	-8,040	Ending Stock
121	54	66	-1,093	-1,108	-2	17	–	–	–	–	72	–	–	–	–	–	–	-2,358	Statistical Difference
5,441	3,421	2,020	13,988	12,357	46	1,585	–	–	–	–	4,581	–	1,216	14,133	–	–	723	116,010	Primary Consumption
-629	-626	-2	–	–	–	–	–	–	–	–	-4,581	2,219	-1,216	-14,133	9,911	143	–	-21,387	Transformation
–	–	–	–	–	–	–	–	–	–	–	-2,892	–	-1,216	-14,133	11,263	122	–	-19,898	Electric Generation
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	42	–	-8	District Heating
-629	-626	-2	–	–	–	–	–	–	–	–	-1,633	2,246	–	–	–	–	–	-25	Gas Manufacturing
–	–	–	–	–	–	–	–	–	–	–	-56	-27	–	–	-1,352	-20	–	-1,455	Own Use & Loss
4,812	2,794	2,018	13,988	12,357	46	1,585	–	–	–	–	–	2,219	–	–	9,911	143	723	94,623	Final Consumption
999	365	635	13,988	12,357	46	1,585	–	–	–	–	–	377	–	–	6,063	–	482	50,825	Industry
2	2	–	–	–	–	–	–	–	–	–	–	–	–	–	186	–	–	2,286	Agri, Fishery
1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	79	–	–	193	Mining
995	360	634	12,403	12,357	46	–	–	–	–	–	–	377	–	–	5,799	–	482	46,300	Manufacturing
16	12	4	–	–	–	–	–	–	–	–	–	15	–	–	347	–	–	1,557	Food Tobacco
6	4	1	–	–	–	–	–	–	–	–	–	20	–	–	895	–	–	2,413	Textile & Apparel
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	65	–	–	142	Wood & Wood Pro.
2	1	1	–	–	–	–	–	–	–	–	–	5	–	–	401	–	–	1,493	Pulp & Publications
749	203	546	12,396	12,351	46	–	–	–	–	–	–	25	–	–	1,244	–	–	18,367	Petro, Chemical
90	64	27	4	4	–	–	–	–	–	–	–	60	–	–	616	–	–	5,617	Non-Metallic
17	10	7	–	–	–	–	–	–	–	–	–	103	–	–	926	–	–	11,927	Iron & Steel
14	9	5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	142	Non-ferrous
75	46	30	–	–	–	–	–	–	–	–	–	130	–	–	1,242	–	–	2,419	Fabricated Metal
26	11	15	–	–	–	–	–	–	–	–	–	20	–	–	62	–	482	2,184	Other Manufacturing
–	–	–	3	3	–	–	–	–	–	–	–	–	–	–	–	–	–	37	Other Energy
2	2	–	1,585	–	–	1,585	–	–	–	–	–	–	–	–	–	–	–	2,047	Construction
1,390	10	1,380	–	–	–	–	–	–	–	–	–	–	–	–	101	–	–	18,531	Transportation
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	101	–	–	417	Rail
1,390	10	1,380	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	14,644	Land
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2,288	Water
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1,182	Air
2,365	2,365	–	–	–	–	–	–	–	–	–	–	1,314	–	–	1,874	135	210	16,428	Residential
53	51	2	–	–	–	–	–	–	–	–	–	446	–	–	1,300	7	29	6,580	Commercial
4	3	1	–	–	–	–	–	–	–	–	–	82	–	–	572	1	1	2,259	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		석 탄							석 유										
			무연탄			유연탄				에너지유									
				국내탄	수입탄		원료탄	연료탄			휘발유	등 유	경 유	경질중유	중 유	중질중유	JA-1	JP-4	AVI-G
		Total of Coal	Anthracite	Domestic	Import	Bituminous	Coking	Steam	Total of Petroleum	Energy Use	Gasoline	Kerosene	Diesel	B - A	B - B	B - C			
		1,000 toe																	
국 내 생 산	1	4,249	4,249	4,249	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
수 입	2	23,696	492	–	492	23,204	11,432	11,772	99,788	75,939	5,446	6,630	26,210	525	247	34,096	2,280	506	–
(석 유 생 산)	3	–	–	–	–	–	–	–	78,320	66,947	5,446	4,414	24,568	525	247	28,961	2,280	506	–
(석 유 수 입)	4	–	–	–	–	–	–	–	21,468	8,992	–	2,215	1,642	–	–	5,135	–	–	–
수 출	5	–	–	–	–	–	–	–	–15,385	–13,882	–69	–1	–5,223	–	–	–7,821	–629	–139	–
국 제 벙 커 링	6	–	–	–	–	–	–	–	–4,678	–4,678	–	–	–516	–105	–1	–3,445	–609	–	–
재 고 증 감	7	308	308	188	120	–	–	–	–360	–364	–210	–239	–119	4	4	163	34	–1	1
연 초 재 고	8	3,629	3,629	3,018	611	–	–	–	4,386	3,252	166	453	1,052	24	19	1,433	75	30	1
연 말 재 고	9	–3,321	–3,321	–2,830	–491	–	–	–	–4,746	–3,616	–376	–692	–1,171	–19	–14	–1,270	–41	–31	–
통 계 오 차	10	–2,372	8	–50	59	–2,380	–890	–1,490	–869	123	442	–407	–163	–15	19	–84	331	–	–
1 차 에 너 지 소 비	11	25,882	5,058	4,387	671	20,824	10,542	10,283	78,495	57,139	5,609	5,983	20,188	410	269	22,908	1,406	366	1
에 너 지 전 환	12	–6,824	–879	–837	–42	–5,945	–	–5,945	–8,620	–7,770	–1	–1	–317	–	–1	–7,450	–	–	–
발 전	13	–6,824	–879	–837	–42	–5,945	–	–5,945	–7,646	–7,646	–	–	–310	–	–1	–7,335	–	–	–
지 역 난 방	14	–	–	–	–	–	–	–	–115	–115	–	–	–1	–	–	–115	–	–	–
가 스 제 조	15	–	–	–	–	–	–	–	–858	–9	–1	–1	–6	–	–	–	–	–	–
자 가 소 비 및 손 실	16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
최 종 에 너 지 소 비	17	19,058	4,179	3,550	629	14,879	10,542	4,338	69,876	49,369	5,608	5,982	19,871	410	268	15,458	1,406	366	1
산 업 부 문	18	15,327	448	25	422	14,879	10,542	4,338	32,654	16,286	146	752	3,836	258	176	11,118	–	–	–
농 림 어 업	19	–	–	–	–	–	–	–	2,369	2,367	105	252	1,820	116	21	53	–	–	–
광 업	20	–	–	–	–	–	–	–	96	95	1	2	55	2	3	33	–	–	–
제 조 업	21	15,327	448	25	422	14,879	10,542	4,338	28,227	13,367	37	491	1,661	137	148	10,893	–	–	–
음 식. 담 배	22	26	–	–	–	26	–	26	1,186	1,168	1	11	81	6	6	1,063	–	–	–
섬 유. 의 복	23	44	–	–	–	44	–	44	1,476	1,471	–	10	35	7	5	1,414	–	–	–
목 재. 나 무	24	–	–	–	–	–	–	–	76	76	–	1	3	–	–	72	–	–	–
펄 프. 인 쇄	25	17	–	–	–	17	–	17	1,169	1,167	–	5	9	2	3	1,149	–	–	–
석 유. 화 학	26	147	–	–	–	147	–	147	18,577	4,006	3	149	167	19	11	3,657	–	–	–
비 금 속	27	4,113	10	10	–	4,103	–	4,103	1,568	1,462	–	25	249	34	16	1,138	–	–	–
1 차 금 속	28	10,741	199	16	184	10,542	10,542	–	1,386	1,370	–	13	117	25	25	1,189	–	–	–
비 철 금 속	29	–	–	–	–	–	–	–	140	124	–	5	25	7	13	75	–	–	–
조 립 금 속	30	–	–	–	–	–	–	–	1,188	1,103	25	21	223	23	54	757	–	–	–
기 타 제 조	31	239	239	–	239	–	–	–	1,416	1,388	8	251	741	14	14	360	–	–	–
기 타 에 너 지	32	–	–	–	–	–	–	–	45	31	–	–	13	–	–	18	–	–	–
건 설 업	33	–	–	–	–	–	–	–	1,962	456	3	7	300	3	5	139	–	–	–
수 송 부 문	34	–	–	–	–	–	–	–	21,011	19,492	5,329	35	10,351	127	36	2,208	1,406	1	1
철 도 운 수	35	–	–	–	–	–	–	–	333	333	–	–	329	–	1	4	–	–	–
육 상 운 수	36	–	–	–	–	–	–	–	16,529	15,010	5,328	35	9,616	4	1	26	–	–	–
수 상 운 수	37	–	–	–	–	–	–	–	2,733	2,733	1	–	404	123	34	2,171	–	–	–
항 공 운 수	38	–	–	–	–	–	–	–	1,416	1,416	–	–	2	–	–	7	1,406	1	1
가 정 부 문	39	3,731	3,731	3,525	206	–	–	–	8,811	6,316	11	3,356	1,806	13	29	1,101	–	–	–
상 업 부 분	40	–	–	–	–	–	–	–	5,858	5,737	52	1,759	3,195	8	19	704	–	–	–
공 공 부 문	–	–	–	–	–	–	–	1,541	1,538	70	80	682	4	8	327	1	365	–	3

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
											천연가스	도시가스	수 력	원자력	전 력	열	신재생	합 계	
LPG			비에너지																
	프로판	부 탄		나프타	용 제	아스팔트	윤활기유	파라핀 왁스	석유 코크	기타제품									
	Propane	Butane	Non-Energy Use	Naphtha	Solvent	Asphalt	Lubricant	Paraffin-Wax	Petroleum Coke	Other Products	L N G	Town Gas	Hydro	Nuclear	Electricity	Heat	Renewable Energy	Total	
1,000 toe																			
–	–	–	–	–	–	–	–	–	–	–	–	–	1,502	14,535	–	–	742	21,027	Domestic Production
6,002	3,763	2,239	17,847	16,266	56	1,525	–	–	–	–	5,790	–	–	–	–	–	–	129,274	Imports
1,464	441	1,023	9,909	8,328	56	1,525	–	–	–	–	–	–	–	–	–	–	–	78,320	(Petroleum Products)
4,537	3,322	1,216	7,938	7,938	–	–	–	–	–	–	–	–	–	–	–	–	–	21,468	(Petroleum Imports)
–139	–51	–88	–1,365	–1,314	–2	–49	–	–	–	–	–	–	–	–	–	–	–	–15,385	Exports
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–4,678	Int'l Bunkers
27	81	–53	–24	–41	1	17	–	–	–	–	–38	–	–	–	–	–	–	–90	Stock Change(+/–)
259	177	82	874	813	7	54	–	–	–	–	88	–	–	–	–	–	–	8,104	Former Stock
–232	–97	–136	–898	–854	–6	–37	–	–	–	–	–126	–	–	–	–	–	–	–8,194	Ending Stock
100	44	57	–1,093	–1,102	–1	11	–	–	–	–	–29	–	–	–	–	–	–	–3,270	Statistical Difference
5,990	3,836	2,154	15,366	13,810	53	1,503	–	–	–	–	5,723	–	1,502	14,535	–	–	742	126,879	Primary Consumption
–850	–848	–1	–	–	–	–	–	–	–	–	–5,723	3,027	–1,502	–14,535	10,985	360	–	–22,831	Transformation
–	–	–	–	–	–	–	–	–	–	–	–3,273	–37	–1,502	–14,535	12,421	265	–	–21,129	Electric Generation
–	–	–	–	–	–	–	–	–	–	–	–	–36	–	–	–	125	–	–26	District Heating
–850	–848	–1	–	–	–	–	–	–	–	–	–2,402	3,224	–	–	–	–	–	–36	Gas Manufacturing
–	–	–	–	–	–	–	–	–	–48	–124	–	–	–1,436	–31	–	–1,639	–	–1,455	Own Use & Loss
5,141	2,988	2,153	15,366	13,810	53	1,503	–	–	–	–	–	3,027	–	–	10,985	360	742	104,048	Final Consumption
1,003	370	633	15,366	13,810	53	1,503	–	–	–	–	–	460	–	–	6,581	–	569	55,591	Industry
2	2	–	–	–	–	–	–	–	–	–	–	–	–	–	191	–	–	2,560	Agri. Fishery
1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	75	–	–	171	Mining
998	365	632	13,863	13,810	53	–	–	–	–	–	–	460	–	–	6,316	–	569	50,898	Manufacturing
18	14	4	–	–	–	–	–	–	–	–	–	16	–	–	353	–	–	1,581	Food Tobacco
5	4	1	–	–	–	–	–	–	–	–	–	27	–	–	861	–	–	2,408	Textile & Apparel
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	70	–	–	146	Wood & Wood Pro.
2	1	1	–	–	–	–	–	–	–	–	–	7	–	–	439	–	–	1,632	Pulp & Publications
724	193	531	13,847	13,794	53	–	–	–	–	–	–	28	–	–	1,397	–	–	20,150	Petro. Chemical
103	74	29	3	3	–	–	–	–	–	–	–	71	–	–	682	–	–	6,435	Non-Metallic
17	12	5	–	–	–	–	–	–	–	–	–	126	–	–	1,083	–	–	13,336	Iron & Steel
16	6	9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	140	Non-ferrous
85	50	34	–	–	–	–	–	–	–	–	–	159	–	–	1,376	–	–	2,723	Fabricated Metal
28	9	18	–	–	–	–	–	–	–	–	–	25	–	–	54	–	569	2,303	Other Manufacturing
1	1	–	13	13	–	–	–	–	–	–	–	–	–	–	–	–	–	45	Other Energy
2	2	–	1,503	–	–	1,503	–	–	–	–	–	–	–	–	–	–	–	1,962	Construction
1,519	5	1,513	–	–	–	–	–	–	–	–	–	–	–	–	108	–	–	21,119	Transportation
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	108	–	–	441	Rail
1,519	5	1,513	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	16,529	Land
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2,733	Water
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1,416	Air
2,495	2,490	5	–	–	–	–	–	–	–	–	–	2,016	–	–	2,057	354	148	17,117	Residential
121	119	2	–	–	–	–	–	–	–	–	–	434	–	–	1,606	2	24	7,924	Commercial
–	–	–	–	–	–	–	–	–	–	117	–	–	–	–	633	4	1	2,296	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		석 탄							석 유										
			무연탄			유연탄				에너지유									
				국내탄	수입탄		원료탄	연료탄			휘발유	등 유	경 유	경질중유	중 유	중질중유	JA-1	JP-4	AVI-G
		Total of Coal	Anthracite	Domestic	Import	Bituminous	Coking	Steam	Total of Petroleum	Energy Use	Gasoline	Kerosene	Diesel	B - A	B - B	B - C			
		1,000 toe																	
국 내 생 산	1	3,347	3,347	3,347	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
수 입	2	25,966	418	–	418	25,549	11,155	14,393	106,830	80,874	6,691	6,832	27,275	520	226	35,716	3,258	357	–
(석 유 생 산)	3	–	–	–	–	–	–	–	82,316	70,375	6,691	4,468	24,724	520	226	30,130	3,258	357	–
(석 유 수 입)	4	–	–	–	–	–	–	–	24,513	10,499	–	2,363	2,550	–	–	5,585	–	–	–
수 출	5	–	–	–	–	–	–	–	–13,788	–12,319	–75	–64	–5,018	–	–	–6,309	–853	–	–
국 제 벙 커 링	6	–	–	–	–	–	–	–	–5,098	–5,098	–	–	–643	–74	–2	–3,720	–659	–	–
재 고 증 감	7	–296	–296	–221	–74	–	–	–	–443	–617	130	–132	–82	–4	–3	–444	–88	4	–
연 초 재 고	8	3,321	3,321	2,830	491	–	–	–	4,746	3,616	376	692	1,171	19	14	1,270	41	31	–
연 말 재 고	9	–3,617	–3,617	–3,051	–566	–	–	–	–5,190	–4,233	–246	–824	–1,253	–23	–17	–1,714	–129	–27	–
통 계 오 차	10	–2,337	38	–58	96	–2,375	–760	–1,615	–1,157	–160	–5	–19	9	–21	24	–101	–46	–	–
1 차 에 너 지 소 비	11	26,680	3,507	3,068	439	23,173	10,395	12,778	86,343	62,680	6,741	6,616	21,540	421	246	25,142	1,611	361	–
에 너 지 전 환	12	–9,010	–842	–817	–25	–8,168	–	–8,168	–9,832	–8,848	–	–2	–423	–	–	–8,422	–	–	–
발 전	13	–9,010	–842	–817	–25	–8,168	–	–8,168	–8,777	–8,777	–	–1	–421	–	–	–8,355	–	–	–
지 역 난 방	14	–	–	–	–	–	–	–	–68	–68	–	–1	–	–	–	–67	–	–	–
가 스 제 조	15	–	–	–	–	–	–	–	–987	–2	–	–	–1	–	–	–1	–	–	–
자 가 소 비 및 손 실	16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
최 종 에 너 지 소 비	17	17,670	2,665	2,250	415	15,005	10,395	4,610	76,511	53,833	6,741	6,614	21,117	421	246	16,720	1,611	361	–
산 업 부 문	18	15,403	398	24	374	15,005	10,395	4,610	35,881	17,433	182	770	4,080	264	154	11,983	–	–	–
농 림 어 업	19	–	–	–	–	–	–	–	2,713	2,709	135	260	2,094	130	26	63	–	–	–
광 업	20	–	–	–	–	–	–	–	85	83	–	2	47	3	2	30	–	–	–
제 조 업	21	15,403	398	24	374	15,005	10,395	4,610	31,160	14,217	43	498	1,650	130	123	11,774	–	–	–
음 식. 담 배	22	28	–	–	–	28	–	28	1,285	1,255	–	8	83	7	5	1,151	–	–	–
섬 유. 의 복	23	60	–	–	–	60	–	60	1,495	1,489	–	7	27	7	6	1,442	–	–	–
목 재. 나 무	24	–	–	–	–	–	–	–	110	110	–	–	3	–	–	105	–	–	–
펄 프. 인 쇄	25	13	–	–	–	13	–	13	1,299	1,297	–	3	10	2	1	1,281	–	–	–
석 유. 화 학	26	134	–	–	–	134	–	134	20,757	4,184	3	173	147	18	11	3,832	–	–	–
비 금 속	27	4,382	7	7	–	4,375	–	4,375	1,673	1,543	–	21	237	25	14	1,246	–	–	–
1 차 금 속	28	10,538	143	16	127	10,395	10,395	–	1,607	1,588	–	6	113	22	2	1,445	–	–	–
비 철 금 속	29	–	–	–	–	–	–	–	181	156	–	9	25	7	11	103	–	–	–
조 립 금 속	30	–	–	–	–	–	–	–	1,206	1,106	29	17	204	24	50	782	–	–	–
기 타 제 조	31	248	248	–	248	–	–	–	1,492	1,446	6	253	780	15	23	369	–	–	–
기 타 에 너 지	32	–	–	–	–	–	–	–	56	44	4	–	20	1	–	18	–	–	–
건 설 업	33	–	–	–	–	–	–	–	1,923	423	4	9	289	2	3	116	–	–	–
수 송 부 문	34	–	–	–	–	–	–	–	23,736	22,072	6,452	30	11,224	111	41	2,610	1,604	1	–
철 도 운 수	35	–	–	–	–	–	–	–	323	323	–	–	319	–	1	3	–	–	–
육 상 운 수	36	–	–	–	–	–	–	–	18,669	17,006	6,451	30	10,461	4	5	54	–	–	–
수 상 운 수	37	–	–	–	–	–	–	–	3,134	3,134	–	–	443	106	35	2,550	–	–	–
항 공 운 수	38	–	–	–	–	–	–	–	1,610	1,610	–	–	2	–	–	3	1,604	1	–
가 정 부 문	39	2,267	2,267	2,227	40	–	–	–	9,453	6,920	12	3,769	1,825	17	23	1,275	–	–	–
상 업 부 분	40	–	–	–	–	–	–	–	5,923	5,896	47	1,965	3,265	24	22	573	–	–	–
공 공 부 문	41	–	–	–	–	–	–	–	1,519	1,511	49	80	723	5	7	279	8	360	–

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
											천연가스	도시가스	수 력	원자력	전 력	열	신재생	합 계	
LPG			비에너지																
	프로판	부 탄		나프타	용 제	아스팔트	윤활기유	파라핀 왁스	석유 코크	기타제품									
	Propane	Butane	Non-Energy Use	Naphtha	Solvent	Asphalt	Lubricant	Paraffin-Wax	Petroleum Coke	Other Products	L N G	Town Gas	Hydro	Nuclear	Electricity	Heat	Renewable Energy	Total	
1,000 toe																			
–	–	–	–	–	–	–	–	–	–	–	–	–	1,025	14,663	–	–	906	19,940	Domestic Production
6,378	4,107	2,271	19,578	17,823	91	1,664	–	–	–	–	7,707	–	–	–	–	–	–	140,503	Imports
1,544	428	1,116	10,396	8,645	91	1,661	–	–	–		–	–	–	–	–	–	–	82,316	(Petroleum Products)
4,833	3,679	1,154	9,182	9,179	–	3	–	–	–		–	–	–	–	–	–	–	24,513	(Petroleum Imports)
–138	–58	–80	–1,331	–1,163	–1	–166	–	–	–		–	–	–	–	–	–	–	–13,788	Exports
–	–	–	–	–	–	–	–	–	–		–	–	–	–	–	–	–	–5,098	Int'l Bunkers
124	24	100	50	58	–1	–7	–	–	–	–	–78	–	–	–	–	–	–	–817	Stock Change(+/–)
232	97	136	898	854	6	37	–	–	–	–	126	–	–	–	–	–	–	8,194	Former Stock
–109	–73	–36	–848	–796	–7	–44	–	–	–	–	–204	–	–	–	–	–	–	–9,010	Ending Stock
35	–5	41	–1,033	–1,039	–	6	–	–	–	–	–11	–	–	–	–	–	–	–3,505	Statistical Difference
6,398	4,067	2,331	17,264	15,679	89	1,497	–	–	–	–	7,618	–	1,025	14,663	–	–	906	137,234	Primary Consumption
–984	–983	–1	–	–	–	–	–	–	–	–	–7,618	4,057	–1,025	–14,663	12,602	460	–	–25,029	Transformation
–	–	–	–	–	–	–	–	–	–	–	–4,179	–38	–1,025	–14,663	14,189	391	–	–23,112	Electric Generation
–	–	–	–	–	–	–	–	–	–	–	–149	–43	–	–	–	104	–	–156	District Heating
–984	–983	–1	–	–	–	–	–	–	–	–	–3,186	4,113	–	–	–	–	–	–60	Gas Manufacturing
–	–	–	–	–	–	–	–	–	–	–	–104	26	–	–	–1,587	–35	–	–1,700	Own Use & Loss
5,414	3,084	2,330	17,264	15,679	89	1,497	–	–	–	–	–	4,057	–	–	12,602	460	906	112,206	Final Consumption
1,184	516	668	17,264	15,679	89	1,497	–	–	–	–	–	600	–	–	7,426	–	626	59,937	Industry
4	4	–	–	–	–	–	–	–	–	–	–	–	–	–	251	–	–	2,964	Agri. Fishery
2	2	–	–	–	–	–	–	–	–	–	–	–	–	–	76	–	–	161	Mining
1,175	507	668	15,768	15,679	89	–	–	–	–	–	–	600	–	–	7,100	–	626	54,889	Manufacturing
30	22	8	–	–	–	–	–	–	–	–	–	20	–	–	402	–	–	1,734	Food Tobacco
6	4	2	–	–	–	–	–	–	–	–	–	44	–	–	983	–	–	2,583	Textile & Apparel
1	1	–	–	–	–	–	–	–	–	–	–	1	–	–	59	–	–	171	Wood & Wood Pro.
2	1	–	–	–	–	–	–	–	–	–	–	16	–	–	507	–	–	1,835	Pulp & Publications
820	268	552	15,753	15,664	89	–	–	–	–	–	–	35	–	–	1,493	–	–	22,419	Petro. Chemical
127	99	28	3	3	–	–	–	–	–	–	–	85	–	–	755	–	–	6,896	Non-Metallic
19	14	5	–	–	–	–	–	–	–	–	–	169	–	–	1,177	–	–	13,490	Iron & Steel
25	10	15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	181	Non-ferrous
100	62	38	–	–	–	–	–	–	–	–	–	195	–	–	1,641	–	–	3,041	Fabricated Metal
46	26	20	–	–	–	–	–	–	–	–	–	35	–	–	82	–	626	2,483	Other Manufacturing
1	1	–	12	12	–	–	–	–	–	–	–	–	–	–	–	–	–	56	Other Energy
3	3	–	1,497	–	–	1,497	–	–	–	–	–	–	–	–	–	–	–	1,923	Construction
1,663	11	1,652	–	–	–	–	–	–	–	–	–	–	–	–	124	–	–	23,860	Transportation
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	124	–	–	447	Rail
1,663	11	1,652	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	18,669	Land
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3,134	Water
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1,610	Air
2,532	2,526	7	–	–	–	–	–	–	–	–	–	2,769	–	–	2,284	440	190	17,402	Residential
26	23	3	–	–	–	–	–	–	–	–	–	544	–	–	2,011	14	48	8,539	Commercial
7	7	–	–	–	–	–	–	–	–	–	–	143	–	–	757	6	42	2,467	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

5 1995년

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		석 탄							석 유										
			무연탄			유연탄				에너지유									
				국내탄	수입탄		원료탄	연료탄			휘발유	등 유	경 유	경질중유	중 유	중질중유	JA-1	JP-4	AVI-G
		Total of Coal	Anthracite	Domestic	Import	Bituminous	Coking	Steam	Total of Petroleum	Energy Use	Gasoline	Kerosene	Diesel	B - A	B - B	B - C			
		1,000 toe																	
국 내 생 산	1	2,574	2,574	2,574	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
수 입	2	28,956	467	–	467	28,490	11,320	17,170	118,959	89,828	7,978	9,030	31,169	586	223	35,997	4,492	353	2
(석 유 생 산)	3	–	–	–	–	–	–	–	92,701	77,966	7,978	5,798	26,460	586	223	32,090	4,477	353	–
(석 유 수 입)	4	–	–	–	–	–	–	–	26,258	11,862	–	3,231	4,708	–	–	3,907	14	–	2
수 출	5	–	–	–	–	–	–	–	–17,744	–14,534	–58	–78	–6,208	–	–	–6,333	–1,857	–	–
국 제 벙 커 링	6	–	–	–	–	–	–	–	–5,671	–5,671	–	–	–832	–90	–3	–4,031	–714	–	–
재 고 증 감	7	–375	–375	–289	–86	–	–	–	–200	–320	–39	–47	–373	–1	5	138	–3	2	–1
연 초 재 고	8	3,617	3,617	3,051	566	–	–	–	5,189	4,233	246	824	1,253	23	17	1,714	129	27	–
연 말 재 고	9	–3,992	–3,992	–3,340	–652	–	–	–	–5,389	–4,553	–286	–871	–1,626	–25	–12	–1,576	–132	–25	–1
통 계 오 차	10	–3,064	287	130	157	–3,351	–558	–2,792	–1,390	–354	–44	–237	102	–28	32	–148	–29	–1	–
1 차 에 너 지 소 비	11	28,091	2,953	2,415	538	25,139	10,761	14,377	93,955	68,949	7,836	8,668	23,858	466	257	25,623	1,888	354	–
에 너 지 전 환	12	–10,333	–942	–882	–60	–9,391	–	–9,391	–11,079	–9,849	–	–3	–892	–	–	–8,954	–	–	–
발 전	13	–10,333	–942	–882	–60	–9,391	–	–9,391	–9,722	–9,722	–	–	–889	–	–	–8,833	–	–	–
지 역 난 방	14	–	–	–	–	–	–	–	–125	–125	–	–2	–3	–	–	–120	–	–	–
가 스 제 조	15	–	–	–	–	–	–	–	–1,231	–2	–	–	–1	–	–	–	–	–	–
자 가 소 비 및 손 실	16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
최 종 에 너 지 소 비	17	17,758	2,011	1,533	478	15,748	10,761	4,986	82,876	59,100	7,836	8,665	22,965	466	256	16,669	1,888	354	–
산 업 부 문	18	16,244	496	30	467	15,748	10,761	4,986	36,810	17,453	187	1,008	4,286	296	156	11,520	–	1	–
농 림 어 업	19	–	–	–	–	–	–	–	2,934	2,928	139	335	2,200	146	37	72	–	–	–
광 업	20	–	–	–	–	–	–	–	80	78	–	2	43	3	1	30	–	–	–
제 조 업	21	16,244	496	30	467	15,748	10,761	4,986	31,868	14,039	43	663	1,772	145	116	11,301	–	1	–
음 식. 담 배	22	30	–	–	–	30	–	30	1,370	1,329	1	21	102	8	8	1,190	–	–	–
섬 유. 의 복	23	65	–	–	–	65	–	65	1,548	1,542	–	8	31	6	5	1,492	–	–	–
목 재. 나 무	24	–	–	–	–	–	–	–	87	84	–	–	3	1	–	80	–	–	–
펄 프. 인 쇄	25	15	–	–	–	15	–	15	1,328	1,322	1	3	17	1	2	1,297	–	–	–
석 유. 화 학	26	140	–	–	–	140	–	140	21,159	3,797	4	218	140	20	21	3,395	–	–	–
비 금 속	27	4,748	12	12	–	4,737	–	4,737	1,589	1,450	2	17	230	32	12	1,157	–	–	–
1 차 금 속	28	11,007	246	18	227	10,761	10,761	–	1,598	1,559	–	4	135	6	2	1,411	–	–	–
비 철 금 속	29	–	–	–	–	–	–	–	227	196	–	11	27	7	14	136	–	–	–
조 립 금 속	30	–	–	–	–	–	–	–	1,261	1,140	29	17	223	49	35	787	–	–	–
기 타 제 조	31	239	239	–	239	–	–	–	1,672	1,590	7	365	856	14	15	334	–	–	–
기 타 에 너 지	32	–	–	–	–	–	–	–	31	30	–	–	8	1	–	22	–	–	–
건 설 업	33	–	–	–	–	–	–	–	1,927	407	5	8	271	3	3	117	–	–	–
수 송 부 문	34	–	–	–	–	–	–	–	27,010	25,245	7,527	32	12,640	130	51	3,020	1,844	1	–
철 도 운 수	35	–	–	–	–	–	–	–	326	326	–	–	322	–	1	3	–	–	–
육 상 운 수	36	–	–	–	–	–	–	–	21,218	19,453	7,527	31	11,816	4	10	65	–	–	–
수 상 운 수	37	–	–	–	–	–	–	–	3,618	3,618	–	–	499	127	40	2,952	–	–	–
항 공 운 수	38	–	–	–	–	–	–	–	1,849	1,849	–	–	3	–	–	–	1,844	1	–
가 정 부 문	39	1,514	1,514	1,503	11	–	–	–	11,016	8,389	14	5,074	1,965	19	18	1,300	–	–	–
상 업 부 분	40	–	–	–	–	–	–	–	6,616	6,594	55	2,456	3,378	16	24	664	–	–	–
공 공 부 문	41	–	–	–	–	–	–	–	1,424	1,418	53	96	696	5	7	165	44	352	–

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
											천연가스	도시가스	수 력	원자력	전 력	열	신재생	합 계	
LPG			비에너지																
	프로판	부 탄		나프타	용 제	아스팔트	윤활기유	파라핀 왁스	석유 코크	기타제품									
	Propane	Butane	Non-Energy Use	Naphtha	Solvent	Asphalt	Lubricant	Paraffin-Wax	Petroleum Coke	Other Products	L N G	Town Gas	Hydro	Nuclear	Electricity	Heat	Renewable Energy	Total	
1,000 toe																			
–	–	–	–	–	–	–	–	–	–	–	–	–	1,369	16,757	–	–	1,051	21,751	Domestic Production
6,948	4,631	2,317	22,183	20,370	96	1,717	–	–	–	–	9,178	–	–	–	–	–	–	157,094	Imports
1,689	428	1,260	13,046	11,233	96	1,717	–	–	–	–	–	–	–	–	–	–	–	92,701	(Petroleum Products)
5,259	4,203	1,057	9,137	9,137	–	–	–	–	–	–	–	–	–	–	–	–	–	26,258	(Petroleum Imports)
-295	-171	-124	-2,914	-2,714	–	-200	–	–	–	–	–	–	–	–	–	–	–	-17,744	Exports
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	-5,671	Int'l Bunkers
15	29	-14	105	119	–	-14	–	–	–	–	35	–	–	–	–	–	–	-539	Stock Change(+/-)
109	73	36	848	796	7	44	–	–	–	–	169	–	–	–	–	–	–	8,975	Former Stock
-93	-44	-49	-743	-677	-7	-58	–	–	–	–	-134	–	–	–	–	–	–	-9,515	Ending Stock
6	5	2	-1,043	-1,053	-1	11	–	–	–	–	–	–	–	–	–	–	–	-4,454	Statistical Difference
6,675	4,494	2,181	18,331	16,722	96	1,514	–	–	–	–	9,213	–	1,369	16,757	–	–	1,051	150,437	Primary Consumption
-1,230	-1,230	–	–	–	–	–	–	–	–	–	-9,213	5,594	-1,369	-16,757	14,041	641	–	-28,475	Transformation
–	–	–	–	–	–	–	–	–	–	–	-4,631	–	-1,369	-16,757	15,881	514	–	-26,418	Electric Generation
–	–	–	–	–	–	–	–	–	–	–	–	-114	–	–	–	175	–	-64	District Heating
-1,230	-1,230	–	–	–	–	–	–	–	–	–	-4,442	5,652	–	–	–	–	–	-21	Gas Manufacturing
–	–	–	–	–	–	–	–	–	–	–	-140	56	–	–	-1,840	-47	–	-1,971	Own Use & Loss
5,445	3,264	2,181	18,331	16,722	96	1,514	–	–	–	–	–	5,594	–	–	14,041	641	1,051	121,962	Final Consumption
1,025	603	423	18,331	16,722	96	1,514	–	–	–	–	–	863	–	–	8,293	–	736	62,946	Industry
6	6	–	–	–	–	–	–	–	–	–	–	–	–	–	290	–	–	3,224	Agri, Fishery
2	2	–	–	–	–	–	–	–	–	–	–	–	–	–	88	–	–	168	Mining
1,012	589	422	16,817	16,722	96	–	–	–	–	–	–	862	–	–	7,916	–	736	57,627	Manufacturing
41	36	5	–	–	–	–	–	–	–	–	–	31	–	–	437	–	–	1,868	Food Tobacco
5	3	2	–	–	–	–	–	–	–	–	–	66	–	–	1,057	–	–	2,735	Textile & Apparel
3	3	–	–	–	–	–	–	–	–	–	–	3	–	–	68	–	–	157	Wood & Wood Pro.
6	6	–	–	–	–	–	–	–	–	–	–	22	–	–	536	–	–	1,901	Pulp & Publications
547	258	289	16,814	16,719	96	–	–	–	–	–	–	54	–	–	1,626	–	–	22,979	Petro. Chemical
136	115	22	3	3	–	–	–	–	–	–	–	108	–	–	802	–	–	7,248	Non-Metallic
39	32	7	–	–	–	–	–	–	–	–	–	209	–	–	1,385	–	–	14,199	Iron & Steel
31	12	19	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	227	Non-ferrous
121	78	43	–	–	–	–	–	–	–	–	–	278	–	–	246	–	–	1,785	Fabricated Metal
81	46	35	–	–	–	–	–	–	–	–	–	92	–	–	1,760	–	736	4,499	Other Manufacturing
1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	31	Other Energy
6	5	–	1,514	–	–	1,514	–	–	–	–	–	–	–	–	–	–	–	1,927	Construction
1,765	14	1,751	–	–	–	–	–	–	–	–	–	–	–	–	138	–	–	27,148	Transportation
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	138	–	–	464	Rail
1,765	14	1,751	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	21,218	Land
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3,618	Water
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1,849	Air
2,627	2,621	6	–	–	–	–	–	–	–	–	–	3,767	–	–	2,434	610	212	19,554	Residential
22	21	2	–	–	–	–	–	–	–	–	–	839	–	–	2,367	22	53	9,897	Commercial
6	6	–	–	–	–	–	–	–	–	–	–	125	–	–	808	10	49	2,416	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		석 탄							석 유										
			무연탄			유연탄				에너지유									
				국내탄	수입탄		원료탄	연료탄			휘발유	등 유	경 유	경질중유	중 유	중질중유	JA-1	JP-4	AVI-G
		Total of Coal	Anthracite	Domestic	Import	Bituminous	Coking	Steam	Total of Petroleum	Energy Use	Gasoline	Kerosene	Diesel	B - A	B - B	B - C			
		1,000 toe																	
국 내 생 산	1	2,228	2,228	2,228	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
수 입	2	30,327	16	–	16	30,311	12,030	18,281	131,486	98,995	9,360	10,924	34,370	821	241	37,300	5,914	64	–
(석 유 생 산)	3	–	–	–	–	–	–	–	104,046	87,258	9,360	7,096	31,658	821	241	32,713	5,304	64	–
(석 유 수 입)	4	–	–	–	–	–	–	–	27,411	11,737	–	3,828	2,712	–	–	4,587	610	–	–
수 출	5	–	–	–	–	–	–	–	-22,686	-18,155	-336	-403	-7,929	-237	–	-6,530	-2,721	–	–
국 제 벙 커 링	6	–	–	–	–	–	–	–	-6,437	-6,437	–	–	-958	-83	-11	-4,597	-788	–	–
재 고 증 감	7	-186	-186	-214	28	–	–	–	-677	-508	-34	-240	-99	-5	-3	-141	-11	25	–
연 초 재 고	8	3,992	3,992	3,340	652	–	–	–	5,389	4,553	286	871	1,626	25	12	1,576	132	25	1
연 말 재 고	9	-4,178	-4,178	-3,554	-623	–	–	–	-6,066	-5,061	-320	-1,110	-1,725	-30	-15	-1,717	-143	–	-1
통 계 오 차	10	-169	503	-31	534	-672	-572	-100	-1,788	-631	-21	-93	-168	-21	28	-340	-16	–	–
1 차 에 너 지 소 비	11	32,200	2,561	1,983	578	29,639	11,458	18,180	99,898	73,264	8,969	10,189	25,217	475	255	25,692	2,379	88	–
에 너 지 전 환	12	-13,481	-976	-920	-56	-12,505	–	-12,505	-11,184	-10,043	–	-3	-1,515	–	–	-8,525	–	–	–
발 전	13	-13,481	-976	-920	-56	-12,505	–	-12,505	-9,902	-9,902	–	-3	-1,502	–	–	-8,396	–	–	–
지 역 난 방	14	–	–	–	–	–	–	–	-139	-139	–	–	-11	–	–	-128	–	–	–
가 스 제 조	15	–	–	–	–	–	–	–	-1,143	-2	–	–	-1	–	–	–	–	–	–
자 가 소 비 및 손 실	16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
최 종 에 너 지 소 비	17	18,718	1,585	1,063	523	17,133	11,458	5,675	88,714	63,221	8,969	10,185	23,702	475	255	17,168	2,379	88	–
산 업 부 문	18	17,668	535	15	520	17,133	11,458	5,675	38,913	18,098	212	1,037	4,537	254	159	11,898	–	–	–
농 림 어 업	19	–	–	–	–	–	–	–	3,294	3,289	164	429	2,398	117	46	134	–	–	–
광 업	20	–	–	–	–	–	–	–	71	68	–	2	38	1	1	27	–	–	–
제 조 업	21	17,668	535	15	520	17,133	11,458	5,675	33,433	14,338	45	597	1,840	134	109	11,613	–	–	–
음 식. 담 배	22	35	–	–	–	35	–	35	1,370	1,327	–	6	93	8	7	1,212	–	–	–
섬 유. 의 복	23	98	–	–	–	98	–	98	1,469	1,465	–	8	37	6	4	1,411	–	–	–
목 재. 나 무	24	–	–	–	–	–	–	–	93	91	–	–	4	–	1	86	–	–	–
펄 프. 인 쇄	25	6	–	–	–	6	–	6	1,438	1,429	–	3	14	1	2	1,410	–	–	–
석 유. 화 학	26	176	–	–	–	176	–	176	22,699	4,149	3	203	155	19	30	3,739	–	–	–
비 금 속	27	4,258	3	3	–	4,255	–	4,255	1,543	1,392	1	13	203	29	7	1,139	–	–	–
1 차 금 속	28	11,795	336	12	324	11,458	11,458	–	1,468	1,399	–	4	132	3	3	1,257	–	–	–
비 철 금 속	29	–	–	–	–	–	–	–	157	134	–	9	23	6	14	82	–	–	–
조 립 금 속	30	–	–	–	–	–	–	–	1,372	1,232	31	15	254	47	29	855	–	–	–
기 타 제 조	31	1,301	196	–	196	1,105	–	1,105	1,783	1,682	10	336	917	14	13	392	–	–	–
기 타 에 너 지	32	–	–	–	–	–	–	–	39	39	–	–	8	–	1	29	–	–	–
건 설 업	33	–	–	–	–	–	–	–	2,115	403	3	9	262	2	3	124	–	–	–
수 송 부 문	34	–	–	–	–	–	–	–	29,648	27,787	8,664	41	13,573	174	55	3,270	2,008	–	–
철 도 운 수	35	–	–	–	–	–	–	–	323	323	–	1	317	–	1	3	–	–	–
육 상 운 수	36	–	–	–	–	–	–	–	23,288	21,428	8,664	39	12,664	1	12	49	–	–	–
수 상 운 수	37	–	–	–	–	–	–	–	4,020	4,019	–	1	583	174	43	3,218	–	–	–
항 공 운 수	38	–	–	–	–	–	–	–	2,017	2,017	–	–	8	–	–	–	2,008	–	–
가 정 부 문	39	1,050	1,050	1,048	2	–	–	–	12,200	9,408	14	6,200	1,996	27	20	1,152	–	–	–
상 업 부 분	40	–	–	–	–	–	–	–	6,423	6,406	32	2,805	2,853	17	18	682	–	–	–
공 공 부 문	41	–	–	–	–	–	–	–	1,530	1,523	47	102	744	3	3	165	371	87	–

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
											천연가스	도시가스	수 력	원자력	전 력	열	신재생	합 계	
LPG			비에너지																
	프로판	부 탄		나프타	용 제	아스팔트	윤활기유	파라핀 왁스	석유 코크	기타제품									
	Propane	Butane	Non-Energy Use	Naphtha	Solvent	Asphalt	Lubricant	Paraffin-Wax	Petroleum Coke	Other Products	L N G	Town Gas	Hydro	Nuclear	Electricity	Heat	Renewable Energy	Total	
1,000 toe																			
–	–	–	–	–	–	–	–	–	–	–	–	–	1,301	18,481	–	–	1,161	23,170	Domestic Production
7,151	4,796	2,355	25,340	23,317	88	1,935	–	–	–	–	12,473	–	–	–	–	–	–	174,286	Imports
1,649	496	1,153	15,139	13,116	88	1,935	–	–	–	–	–	–	–	–	–	–	–	104,075	(Petroleum Products)
5,473	4,274	1,199	10,201	10,201	–	–	–	–	–	–	–	–	–	–	–	–	–	27,411	(Petroleum Imports)
-357	-200	-157	-4,174	-3,914	–	-260	–	–	–	–	–	–	–	–	–	–	–	-22,686	Exports
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	-6,437	Int'l Bunkers
8	-2	9	-177	-184	–	8	–	–	–	–	-326	–	–	–	–	–	–	-1,189	Stock Change(+/-)
93	44	49	743	677	7	58	–	–	–	–	154	–	–	–	–	–	–	9,534	Former Stock
-86	-46	-40	-919	-862	-7	-50	–	–	–	–	-480	–	–	–	–	–	–	-10,723	Ending Stock
73	20	53	-1,231	-1,252	-1	22	–	–	–	–	24	–	–	–	–	–	–	-1,933	Statistical Difference
6,874	4,615	2,260	19,760	17,968	87	1,705	–	–	–	–	12,172	–	1,301	18,481	–	–	1,161	165,212	Primary Consumption
-1,142	-1,142	–	–	–	–	–	–	–	–	–	-12,172	6,937	-1,301	-18,481	15,692	811	–	-33,179	Transformation
–	–	–	–	–	–	–	–	–	–	–	-5,784	–	-1,301	-18,481	17,672	607	–	-30,669	Electric Generation
–	–	–	–	–	–	–	–	–	–	–	-225	-175	–	–	–	240	–	-299	District Heating
-1,142	-1,142	–	–	–	–	–	–	–	–	–	-5,930	7,076	–	–	–	–	–	3	Gas Manufacturing
–	–	–	–	–	–	–	–	–	–	–	-233	36	–	–	-1,980	-36	–	-2,213	Own Use & Loss
5,733	3,473	2,260	19,760	17,968	87	1,705	–	–	–	–	–	6,937	–	–	15,692	811	1,161	132,033	Final Consumption
1,055	658	396	19,760	17,968	87	1,705	–	–	–	–	–	1,196	–	–	9,179	–	912	67,868	Industry
6	6	–	–	–	–	–	–	–	–	–	–	–	–	–	332	–	–	3,626	Agri. Fishery
3	3	–	–	–	–	–	–	–	–	–	–	1	–	–	90	–	–	162	Mining
1,040	644	396	18,054	17,968	87	–	–	–	–	–	–	1,195	–	–	8,757	–	912	61,966	Manufacturing
43	41	2	–	–	–	–	–	–	–	–	–	40	–	–	472	–	–	1,917	Food Tobacco
4	2	2	–	–	–	–	–	–	–	–	–	93	–	–	1,105	–	–	2,765	Textile & Apparel
2	2	–	–	–	–	–	–	–	–	–	–	3	–	–	76	–	–	172	Wood & Wood Pro.
9	9	–	–	–	–	–	–	–	–	–	–	25	–	–	639	–	–	2,108	Pulp & Publications
500	274	226	18,051	17,964	87	–	–	–	–	–	–	80	–	–	1,801	–	–	24,756	Petro. Chemical
148	126	22	4	4	–	–	–	–	–	–	–	118	–	–	825	–	–	6,743	Non-Metallic
69	61	8	–	–	–	–	–	–	–	–	–	–	–	–	1,556	–	–	14,818	Iron & Steel
23	15	8	–	–	–	–	–	–	–	–	–	282	–	–	–	–	–	439	Non-ferrous
140	81	59	–	–	–	–	–	–	–	–	–	432	–	–	2,173	–	–	3,978	Fabricated Metal
101	33	69	–	–	–	–	–	–	–	–	–	122	–	–	112	–	912	4,230	Other Manufacturing
1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	39	Other Energy
7	7	–	1,705	–	–	1,705	–	–	–	–	–	–	–	–	–	–	–	2,115	Construction
1,861	6	1,855	–	–	–	–	–	–	–	–	–	–	–	–	145	–	–	29,792	Transportation
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	145	–	–	467	Rail
1,860	5	1,855	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	23,288	Land
1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4,020	Water
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2,017	Air
2,792	2,784	8	–	–	–	–	–	–	–	–	–	4,515	–	–	2,635	762	182	21,344	Residential
17	17	–	–	–	–	–	–	–	–	–	–	1,073	–	–	2,829	33	10	10,369	Commercial
7	7	–	–	–	–	–	–	–	–	–	–	153	–	–	904	15	57	2,659	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		석 탄							석 유										
			무연탄			유연탄				에너지유									
				국내탄	수입탄		원료탄	연료탄			휘발유	등 유	경 유	경질중유	중 유	중질중유	JA-1	JP-4	AVI-G
		Total of Coal	Anthracite	Domestic	Import	Bituminous	Coking	Steam	Total of Petroleum	Energy Use	Gasoline	Kerosene	Diesel	B - A	B - B	B - C			
		1,000 toe																	
국 내 생 산	1	2,031	2,031	2,031	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
수 입	2	32,850	304	–	304	32,546	11,480	21,066	151,040	109,613	10,378	12,126	39,097	634	224	40,788	6,365	–	–
(석 유 생 산)	3	–	–	–	–	–	–	–	127,934	102,267	10,378	9,945	38,639	634	224	36,577	5,870	–	–
(석 유 수 입)	4	–	–	–	–	–	–	–	23,105	7,346	–	2,181	458	–	–	4,211	495	–	–
수 출	5	–	–	–	–	–	–	–	–33,046	–27,126	–1,342	–1,418	–13,706	–118	–	–7,783	–2,758	–	–
국 제 벙 커 링	6	–	–	–	–	–	–	–	–7,067	–7,067	–	–	–1,046	–86	–21	–5,123	–791	–	–
재 고 증 감	7	–343	–343	–381	38	–	–	–	–697	–225	–94	242	–68	9	4	–254	–64	–	1
연 초 재 고	8	4,178	4,178	3,554	623	–	–	–	6,124	5,052	320	1,110	1,725	30	15	1,708	142	–	1
연 말 재 고	9	–4,520	–4,520	–3,935	–586	–	–	–	–6,820	–5,277	–414	–868	–1,793	–21	–12	–1,962	–207	–	–
통 계 오 차	10	260	–3	–4	1	264	517	–254	–1,150	–1,052	474	810	119	–27	43	–2,388	–83	–	–
1 차 에 너 지 소 비	11	34,799	1,989	1,647	343	32,810	11,997	20,812	109,080	74,144	9,416	11,760	24,395	412	249	25,241	2,669	–	1
에 너 지 전 환	12	–15,881	–890	–852	–38	–14,991	–	–14,991	–11,179	–10,420	–	–3	–1,270	–	–	–9,147	–	–	–
발 전	13	–15,881	–890	–852	–38	–14,991	–	–14,991	–10,210	–10,210	–	–3	–1,256	–	–	–8,951	–	–	–
지 역 난 방	14	–	–	–	–	–	–	–	–208	–208	–	–	–13	–	–	–196	–	–	–
가 스 제 조	15	–	–	–	–	–	–	–	–761	–1	–	–	–1	–	–	–	–	–	–
자 가 소 비 및 손 실	16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
최 종 에 너 지 소 비	17	18,918	1,099	795	304	17,819	11,997	5,821	97,901	63,724	9,416	11,757	23,125	412	249	16,094	2,669	–	1
산 업 부 문	18	18,139	320	16	304	17,819	11,997	5,821	47,141	17,845	255	1,948	4,651	247	147	10,597	–	–	–
농 림 어 업	19	–	–	–	–	–	–	–	3,644	3,638	206	477	2,665	144	57	89	–	–	–
광 업	20	–	–	–	–	–	–	–	57	54	–	2	26	2	1	25	–	–	–
제 조 업	21	18,139	320	16	304	17,819	11,997	5,821	41,071	13,698	46	1,461	1,689	100	88	10,313	–	–	–
음 식. 담 배	22	36	–	–	–	36	–	36	1,256	1,211	–	6	94	6	7	1,098	–	–	–
섬 유. 의 복	23	98	–	–	–	98	–	98	1,486	1,483	–	13	32	6	2	1,429	–	–	–
목 재. 나 무	24	–	–	–	–	–	–	–	93	91	–	–	3	–	1	86	–	–	–
펄 프. 인 쇄	25	7	–	–	–	7	–	7	1,442	1,431	–	2	15	1	2	1,411	–	–	–
석 유. 화 학	26	178	–	–	–	178	–	178	30,467	4,137	1	1,123	133	18	23	2,839	–	–	–
비 금 속	27	4,354	3	3	–	4,351	–	4,351	1,467	1,275	–	12	185	25	6	1,048	–	–	–
1 차 금 속	28	12,231	234	13	220	11,997	11,997	–	889	829	–	4	118	3	2	702	–	–	–
비 철 금 속	29	–	–	–	–	–	–	–	139	116	–	8	19	5	10	73	–	–	–
조 립 금 속	30	–	–	–	–	–	–	–	1,582	1,392	32	12	264	20	24	1,039	–	–	–
기 타 제 조	31	1,234	84	–	84	1,150	–	1,150	1,772	1,617	12	279	820	15	10	481	–	–	–
기 타 에 너 지	32	–	–	–	–	–	–	–	478	117	–	2	6	1	1	107	–	–	–
건 설 업	33	–	–	–	–	–	–	–	2,369	455	3	8	271	2	2	170	–	–	–
수 송 부 문	34	–	–	–	–	–	–	–	30,587	28,597	9,074	39	13,235	125	63	3,804	2,256	–	1
철 도 운 수	35	–	–	–	–	–	–	–	321	321	–	–	319	–	–	2	–	–	–
육 상 운 수	36	–	–	–	–	–	–	–	23,509	21,521	9,073	38	12,341	5	11	53	–	–	–
수 상 운 수	37	–	–	–	–	–	–	–	4,493	4,492	1	2	567	120	52	3,750	–	–	–
항 공 운 수	38	–	–	–	–	–	–	–	2,264	2,264	–	–	7	–	–	–	2,256	–	1
가 정 부 문	39	779	779	779	–	–	–	–	11,408	8,564	6	6,107	1,507	19	23	902	–	–	–
상 업 부 분	40	–	–	–	–	–	–	–	7,312	7,280	31	3,576	3,006	16	14	636	–	–	–
공 공 부 문	41	–	–	–	–	–	–	–	1,453	1,437	50	87	726	5	3	155	413	–	–

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
											천연가스	도시가스	수 력	원자력	전 력	열	신재생	합 계	
LPG			비에너지																
	프로판	부 탄		나프타	용 제	아스팔트	윤활기유	파라핀 왁스	석유 코크	기타제품									
	Propane	Butane	Non-Energy Use	Naphtha	Solvent	Asphalt	Lubricant	Paraffin-Wax	Petroleum Coke	Other Products	L N G	Town Gas	Hydro	Nuclear	Electricity	Heat	Renewable Energy	Total	
1,000 toe																			
–	–	–	–	–	–	–	–	–	–	–	–	–	1,351	19,272	–	–	1,344	23,998	Domestic Production
7,845	5,243	2,602	33,582	29,716	82	2,376	754	14	195	445	15,118	–	–	–	–	–	–	199,007	Imports
2,177	711	1,466	23,490	19,627	82	2,376	751	14	195	445	–	–	–	–	–	–	–	127,934	(Petroleum Products)
5,668	4,532	1,136	10,091	10,089	–	–	2	–	–	–	–	–	–	–	–	–	–	23,105	(Petroleum Imports)
–460	–290	–170	–5,461	–4,698	–	–528	–107	–	–46	–82	–	–	–	–	–	–	–	–33,046	Exports
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–7,067	Int'l Bunkers
–338	–240	–98	–134	–166	1	21	–	–	–	10	–307	–	–	–	–	–	–	–1,346	Stock Change(+/–)
82	44	38	990	862	7	50	49	1	3	18	480	–	–	–	–	–	–	10,781	Former Stock
–420	–284	–136	–1,123	–1,028	–7	–29	–49	–1	–3	–8	–786	–	–	–	–	–	–	–12,127	Ending Stock
154	52	101	–252	–61	20	31	–88	–	–34	–120	–19	–	–	–	–	–	–	–908	Statistical Difference
7,201	4,766	2,435	27,735	24,791	102	1,901	559	14	115	253	14,792	–	1,351	19,272	–	–	1,344	180,638	Primary Consumption
–759	–759	–	–	–	–	–	–	–	–	–	–14,792	8,093	–1,351	–19,272	17,267	909	–	–36,206	Transformation
–	–	–	–	–	–	–	–	–	–	–	–6,757	–109	–1,351	–19,272	19,302	691	–	–33,587	Electric Generation
–	–	–	–	–	–	–	–	–	–	–	–232	–86	–	–	–	250	–	–277	District Heating
–759	–759	–	–	–	–	–	–	–	–	–	–7,501	8,250	–	–	–	–	–	–12	Gas Manufacturing
–	–	–	–	–	–	–	–	–	–	–	–302	39	–	–	–2,035	–32	–	–2,330	Own Use & Loss
6,442	4,007	2,435	27,735	24,791	102	1,901	559	14	115	253	–	8,093	–	–	17,267	909	1,344	144,432	Final Consumption
1,570	1,198	372	27,727	24,791	102	1,901	559	14	115	245	–	1,496	–	–	10,009	–	1,123	77,908	Industry
6	6	–	–	–	–	–	–	–	–	–	–	–	–	–	359	–	–	4,004	Agri. Fishery
3	3	–	–	–	–	–	–	–	–	–	–	1	–	–	86	–	–	145	Mining
1,547	1,176	372	25,826	24,791	102	–	559	14	115	245	–	1,494	–	–	9,564	–	1,123	71,391	Manufacturing
45	44	1	–	–	–	–	–	–	–	–	–	42	–	–	491	–	–	1,825	Food Tobacco
3	2	1	–	–	–	–	–	–	–	–	–	136	–	–	1,145	–	–	2,865	Textile & Apparel
2	2	–	–	–	–	–	–	–	–	–	–	3	–	–	87	–	–	182	Wood & Wood Pro.
11	10	–	–	–	–	–	–	–	–	–	–	32	–	–	684	–	–	2,165	Pulp & Publications
985	742	243	25,345	24,787	102	–	220	9	–	226	–	114	–	–	1,998	–	–	32,757	Petro. Chemical
168	147	21	24	3	–	–	–	–	21	–	–	145	–	–	852	–	–	6,818	Non-Metallic
60	49	11	–	–	–	–	–	–	–	–	–	346	–	–	1,800	–	–	15,226	Iron & Steel
23	16	7	–	–	–	–	–	–	–	–	–	0	–	–	–	–	–	139	Non-ferrous
158	105	53	32	–	–	–	–	–	32	–	–	495	–	–	2,388	–	–	4,466	Fabricated Metal
92	58	34	63	–	–	–	–	–	62	1	–	181	–	–	118	–	1,123	4,429	Other Manufacturing
1	1	–	361	–	–	–	339	5	–	18	–	–	–	–	–	–	–	478	Other Energy
13	13	–	1,901	–	–	1,901	–	–	–	–	–	–	–	–	–	–	–	2,369	Construction
1,990	11	1,978	–	–	–	–	–	–	–	–	–	–	–	–	151	–	–	30,738	Transportation
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	151	–	–	473	Rail
1,988	10	1,978	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	23,509	Land
1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4,493	Water
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2,264	Air
2,844	2,761	83	–	–	–	–	–	–	–	–	–	5,297	–	–	2,765	850	146	21,245	Residential
23	22	1	8	–	–	–	–	–	–	8	–	1,139	–	–	3,325	42	8	11,826	Commercial
15	15	–	–	–	–	–	–	–	–	–	–	161	–	–	1,017	17	67	2,715	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		석 탄							석 유										
			무연탄			유연탄				에너지유									
				국내탄	수입탄		원료탄	연료탄			휘발유	등 유	경 유	경질중유	중 유	중질중유	JA-1	JP-4	AVI-G
		Total of Coal	Anthracite	Domestic	Import	Bituminous	Coking	Steam	Total of Petroleum	Energy Use	Gasoline	Kerosene	Diesel	B - A	B - B	B - C			
		1,000 toe																	
국 내 생 산	1	1,962	1,962	1,962	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
수 입	2	33,847	473	–	473	33,374	11,866	21,507	142,084	97,805	10,060	9,351	34,328	467	204	34,403	8,992	–	–
(석 유 생 산)	3	–	–	–	–	–	–	–	120,587	94,547	10,032	8,645	34,006	467	204	32,368	8,825	–	–
(석 유 수 입)	4	–	–	–	–	–	–	–	21,498	3,257	28	706	321	–	–	2,034	167	–	–
수 출	5	–	–	–	–	–	–	–	–42,049	–34,395	–2,060	–961	–15,978	–	–	–9,481	–5,915	–	–
국 제 벙 커 링	6	–	–	–	–	–	–	–	–7,069	–7,069	–	–	–1,162	–114	–46	–5,211	–537	–	–
재 고 증 감	7	–240	–240	–269	29	–	–	–	358	376	37	–204	292	–6	–1	299	–40	–	–
연 초 재 고	8	4,520	4,520	3,935	586	–	–	–	6,823	5,278	414	868	1,793	21	12	1,964	207	–	–
연 말 재 고	9	–4,760	–4,760	–4,204	–556	–	–	–	–6,465	–4,902	–377	–1,072	–1,501	–27	–13	–1,664	–247	–	–
통 계 오 차	10	470	11	22	–11	459	231	228	–2,743	–2,765	24	315	126	–14	41	–3,148	–109	–	–
1 차 에 너 지 소 비	11	36,039	2,207	1,715	491	33,832	12,097	21,735	90,582	53,952	8,061	8,500	17,606	333	198	16,861	2,391	–	–
에 너 지 전 환	12	–17,888	–938	–920	–18	–16,950	–	–16,950	–4,056	–3,652	–	–10	–274	–	–	–3,368	–	–	–
발 전	13	–17,888	–938	–920	–18	–16,950	–	–16,950	–3,405	–3,405	–	–6	–269	–	–	–3,131	–	–	–
지 역 난 방	14	–	–	–	–	–	–	–	–245	–245	–	–3	–5	–	–	–237	–	–	–
가 스 제 조	15	–	–	–	–	–	–	–	–406	–2	–	–1	–1	–	–	–	–	–	–
자 가 소 비 및 손 실	16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
최 종 에 너 지 소 비	17	18,151	1,269	795	473	16,882	12,097	4,785	86,526	50,300	8,061	8,491	17,332	333	198	13,494	2,391	–	–
산 업 부 문	18	17,448	566	93	473	16,882	12,097	4,785	46,133	14,511	324	1,618	3,437	192	125	8,815	–	–	–
농 림 어 업	19	–	–	–	–	–	–	–	3,196	3,156	215	478	2,231	106	52	76	–	–	–
광 업	20	–	–	–	–	–	–	–	44	44	1	1	20	1	2	18	–	–	–
제 조 업	21	17,448	566	93	473	16,882	12,097	4,785	40,977	10,980	107	1,130	979	83	69	8,614	–	–	–
음 식. 담 배	22	32	–	–	–	32	–	32	1,038	989	10	20	64	7	6	882	–	–	–
섬 유. 의 복	23	97	–	–	–	97	–	97	1,605	1,599	22	37	42	6	3	1,489	–	–	–
목 재. 나 무	24	–	–	–	–	–	–	–	66	66	–	–	1	–	1	63	–	–	–
펄 프. 인 쇄	25	8	–	–	–	8	–	8	1,217	1,208	6	8	19	1	1	1,173	–	–	–
석 유. 화 학	26	171	–	–	–	171	–	171	31,616	2,784	11	759	70	14	15	1,915	–	–	–
비 금 속	27	3,343	30	30	–	3,313	–	3,313	1,004	794	4	27	92	18	10	644	–	–	–
1 차 금 속	28	12,531	434	41	394	12,097	12,097	–	713	653	1	27	55	3	1	565	–	–	–
비 철 금 속	29	–	–	–	–	–	–	–	129	101	1	9	16	5	6	63	–	–	–
조 립 금 속	30	–	–	–	–	–	–	–	1,631	1,539	24	26	129	14	15	1,331	–	–	–
기 타 제 조	31	1,266	102	22	80	1,165	–	1,165	1,348	1,095	28	211	490	15	8	342	–	–	–
기 타 에 너 지	32	–	–	–	–	–	–	–	608	153	–	5	1	1	1	146	–	–	–
건 설 업	33	–	–	–	–	–	–	–	1,916	331	2	9	208	2	3	108	–	–	–
수 송 부 문	34	–	–	–	–	–	–	–	26,048	23,958	7,618	48	10,470	119	52	3,662	1,989	–	–
철 도 운 수	35	–	–	–	–	–	–	–	316	316	–	–	315	–	–	1	–	–	–
육 상 운 수	36	–	–	–	–	–	–	–	19,270	17,183	7,617	41	9,492	3	2	27	–	–	–
수 상 운 수	37	–	–	–	–	–	–	–	4,467	4,466	1	6	660	116	50	3,633	–	–	–
항 공 운 수	38	–	–	–	–	–	–	–	1,995	1,993	–	–	3	–	–	–	1,989	–	–
가 정 부 문	39	703	703	703	–	–	–	–	7,571	5,303	6	4,020	574	7	4	692	–	–	–
상 업 부 분	40	–	–	–	–	–	–	–	5,558	5,337	57	2,718	2,300	14	15	233	–	–	–
공 공 부 문	41	–	–	–	–	–	–	–	1,215	1,191	56	87	552	2	1	91	402	–	–

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
											천연가스	도시가스	수 력	원자력	전 력	열	신재생	합 계	
LPG			비에너지																
	프로판	부 탄		나프타	용 제	아스팔트	윤활기유	파라핀 왁스	석유 코크	기타제품									
	Propane	Butane	Non-Energy Use	Naphtha	Solvent	Asphalt	Lubricant	Paraffin-Wax	Petroleum Coke	Other Products	L N G	Town Gas	Hydro	Nuclear	Electricity	Heat	Renewable Energy	Total	
1,000 toe																			
–	–	–	–	–	–	–	–	–	–	–	–	–	1,525	22,422	–	–	1,526	27,435	Domestic Production
7,752	4,715	3,037	36,527	32,933	66	2,036	682	10	342	459	13,780	–	–	–	–	–	–	189,711	Imports
2,880	871	2,009	23,160	19,565	66	2,036	682	10	342	459	–	–	–	–	–	–	–	120,587	(Petroleum Products)
4,873	3,844	1,028	13,367	13,367	–	–	–	–	–	–	–	–	–	–	–	–	–	21,498	(Petroleum Imports)
-1,057	-670	-387	-6,596	-5,704	-2	-455	-199	–	-65	-172	–	–	–	–	–	–	–	-42,049	Exports
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	-7,069	Int'l Bunkers
24	69	-45	-42	13	-2	-28	-20	–	1	-5	101	–	–	–	–	–	–	220	Stock Change(+/-)
420	285	136	1,125	1,028	7	29	49	1	4	7	786	–	–	–	–	–	–	12,130	Former Stock
-396	-215	-181	-1,167	-1,015	-9	-57	-69	-1	-3	-13	-685	–	–	–	–	–	–	-11,910	Ending Stock
158	67	90	-135	-41	14	13	-41	–	-58	-22	-44	–	–	–	–	–	–	-2,317	Statistical Difference
6,877	4,182	2,695	29,753	27,200	75	1,566	422	10	221	260	13,838	–	1,525	22,422	–	–	1,526	165,932	Primary Consumption
-405	-405	–	–	–	–	–	–	–	–	–	-13,838	8,425	-1,525	-22,422	16,638	861	–	-33,804	Transformation
-0	-0	–	–	–	–	–	–	–	–	–	-5,239	-100	-1,525	-22,422	18,516	681	–	-31,382	Electric Generation
–	–	–	–	–	–	–	–	–	–	–	-208	-88	–	–	–	226	–	-314	District Heating
-405	-405	–	–	–	–	–	–	–	–	–	-8,103	8,484	–	–	–	–	–	-25	Gas Manufacturing
–	–	–	–	–	–	–	–	–	–	–	-289	129	–	–	-1,877	-46	–	-2,083	Own Use & Loss
6,472	3,777	2,695	29,753	27,200	75	1,566	422	10	221	260	–	8,425	–	–	16,638	861	1,526	132,128	Final Consumption
1,873	1,279	594	29,748	27,200	75	1,566	422	10	221	254	–	1,812	–	–	9,359	–	1,287	76,039	Industry
3	3	–	37	–	–	–	–	–	37	–	–	–	–	–	346	–	–	3,542	Agri. Fishery
–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	84	–	–	129	Mining
1,852	1,258	594	28,145	27,200	75	–	422	10	184	254	–	1,810	–	–	8,929	–	1,287	70,452	Manufacturing
39	38	1	10	–	–	–	–	–	–	10	–	68	–	–	467	–	–	1,604	Food Tobacco
7	5	1	–	–	–	–	–	–	–	–	–	230	–	–	1,129	–	–	3,061	Textile & Apparel
1	1	–	–	–	–	–	–	–	–	–	–	3	–	–	70	–	–	139	Wood & Wood Pro.
9	9	–	–	–	–	–	–	–	–	–	–	38	–	–	627	–	–	1,890	Pulp & Publications
1,337	921	416	27,495	27,200	75	–	–	–	–	220	–	164	–	–	1,981	–	–	33,932	Petro. Chemical
123	108	15	87	–	–	–	–	–	87	–	–	156	–	–	665	–	–	5,169	Non-Metallic
60	42	18	–	–	–	–	–	–	–	–	–	371	–	–	1,733	–	–	15,348	Iron & Steel
28	21	6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	129	Non-ferrous
84	53	31	8	–	–	–	–	–	8	–	–	462	–	–	2,154	–	–	4,247	Fabricated Metal
164	58	106	90	–	–	–	–	–	88	2	–	318	–	–	104	–	1,287	4,324	Other Manufacturing
1	1	–	454	–	–	–	422	10	–	22	–	–	–	–	–	–	–	608	Other Energy
19	19	–	1,566	–	–	1,566	–	–	–	–	–	–	–	–	–	–	–	1,916	Construction
2,090	19	2,071	–	–	–	–	–	–	–	–	–	–	–	–	136	–	–	26,184	Transportation
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	136	–	–	452	Rail
2,087	16	2,071	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	19,270	Land
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4,467	Water
3	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1,995	Air
2,268	2,266	2	–	–	–	–	–	–	–	–	–	5,341	–	–	2,831	807	154	17,407	Residential
216	189	27	5	–	–	–	–	–	–	5	–	1,112	–	–	3,291	41	8	10,011	Commercial
25	23	1	–	–	–	–	–	–	–	–	–	160	–	–	1,022	13	77	2,487	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		석 탄							석 유										
			무연탄			유연탄				에너지유									
				국내탄	수입탄		원료탄	연료탄			휘발유	등 유	경 유	경질중유	중 유	중질중유	JA-1	JP-4	AVI-G
		Total of Coal	Anthracite	Domestic	Import	Bituminous	Coking	Steam	Total of Petroleum	Energy Use	Gasoline	Kerosene	Diesel	B - A	B - B	B - C			
		1,000 toe																	
국 내 생 산	1	1,889	1,889	1,889	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
수 입	2	34,410	683	–	683	33,727	11,370	22,357	149,691	103,475	9,969	12,889	32,322	578	194	39,655	7,867	–	1
(석 유 생 산)	3	–	–	–	–	–	–	–	127,217	99,588	9,918	12,518	31,984	578	194	37,058	7,338	–	–
(석 유 수 입)	4	–	–	–	–	–	–	–	22,474	3,887	51	372	338	–	–	2,596	529	–	1
수 출	5	–	–	–	–	–	–	–	-42,362	-34,197	-1,488	-2,073	-12,923	–	–	-12,965	-4,749	–	–
국 제 벙 커 링	6	–	–	–	–	–	–	–	-7,558	-7,558	–	–	-1,156	-101	-23	-5,782	-495	–	–
재 고 증 감	7	-203	-203	-234	32	–	–	–	466	129	-37	-25	90	-6	4	60	43	–	–
연 초 재 고	8	4,760	4,760	4,204	556	–	–	–	6,455	4,902	377	1,072	1,501	27	13	1,664	247	–	–
연 말 재 고	9	-4,963	-4,963	-4,438	-524	–	–	–	-5,989	-4,773	-415	-1,097	-1,411	-32	-9	-1,604	-204	–	-1
통 계 오 차	10	2,059	55	57	-2	2,004	802	1,202	-2,968	-2,842	-15	-151	108	-49	58	-2,668	-125	–	–
1 차 에 너 지 소 비	11	38,155	2,425	1,711	713	35,731	12,171	23,559	97,270	59,007	8,429	10,640	18,440	422	233	18,300	2,541	–	–
에 너 지 전 환	12	-19,657	-981	-951	-30	-18,676	–	-18,676	-4,449	-4,012	–	-154	-160	–	–	-3,697	–	–	–
발 전	13	-19,657	-981	-951	-30	-18,676	–	-18,676	-3,704	-3,704	–	-144	-159	–	–	-3,401	–	–	–
지 역 난 방	14	–	–	–	–	–	–	–	-306	-306	–	-10	–	–	–	-296	–	–	–
가 스 제 조	15	–	–	–	–	–	–	–	-438	-1	–	-1	-1	–	–	–	–	–	–
자 가 소 비 및 손 실	16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
최 종 에 너 지 소 비	17	18,498	1,444	761	683	17,055	12,171	4,883	92,821	54,995	8,429	10,486	18,279	422	233	14,603	2,541	–	–
산 업 부 문	18	17,845	791	108	683	17,055	12,171	4,883	47,521	15,060	289	1,181	3,362	218	163	9,846	–	–	–
농 림 어 업	19	–	–	–	–	–	–	–	3,449	3,440	237	548	2,406	76	75	98	–	–	–
광 업	20	–	–	–	–	–	–	–	41	40	–	2	17	3	1	17	–	–	–
제 조 업	21	17,846	791	108	683	17,055	12,171	4,883	42,029	11,246	46	617	751	137	84	9,611	–	–	–
음 식. 담 배	22	32	–	–	–	32	–	32	897	846	–	25	40	9	7	765	–	–	–
섬 유. 의 복	23	97	–	–	–	97	–	97	1,718	1,708	–	19	11	11	3	1,664	–	–	–
목 재. 나 무	24	–	–	–	–	–	–	–	83	82	–	1	1	–	1	79	–	–	–
펄 프. 인 쇄	25	8	–	–	–	8	–	8	1,325	1,308	–	13	11	10	3	1,270	–	–	–
석 유. 화 학	26	171	–	–	–	171	–	171	31,729	2,306	1	45	82	25	17	2,137	–	–	–
비 금 속	27	3,399	54	54	–	3,346	–	3,346	1,118	865	–	32	83	16	9	727	–	–	–
1 차 금 속	28	12,678	507	44	463	12,171	12,171	–	1,113	1,019	–	66	45	3	1	904	–	–	–
비 철 금 속	29	–	–	–	–	–	–	–	167	131	–	19	9	6	14	83	–	–	–
조 립 금 속	30	–	–	–	–	–	–	–	1,917	1,805	31	55	114	35	17	1,553	–	–	–
기 타 제 조	31	1,460	230	9	221	1,230	–	1,230	1,425	1,148	13	340	355	21	13	407	–	–	–
기 타 에 너 지	32	–	–	–	–	–	–	–	537	26	–	1	2	1	1	21	–	–	–
건 설 업	33	–	–	–	–	–	–	–	2,002	334	5	15	187	3	3	120	–	–	–
수 송 부 문	34	–	–	–	–	–	–	–	28,476	25,877	8,070	22	11,725	175	42	3,727	2,116	–	–
철 도 운 수	35	–	–	–	–	–	–	–	329	328	–	1	326	–	–	1	–	–	–
육 상 운 수	36	–	–	–	–	–	–	–	21,175	18,583	8,069	16	10,491	–	–	7	–	–	–
수 상 운 수	37	–	–	–	–	–	–	–	4,849	4,846	1	4	906	174	42	3,719	–	–	–
항 공 운 수	38	–	–	–	–	–	–	–	2,122	2,119	–	1	2	–	–	–	2,116	–	–
가 정 부 문	39	653	653	653	–	–	–	–	9,154	6,606	5	5,479	401	15	10	696	–	–	–
상 업 부 분	40	–	–	–	–	–	–	–	6,400	6,206	12	3,658	2,252	11	16	256	–	–	–
공 공 부 문	41	–	–	–	–	–	–	–	1,270	1,247	54	146	539	4	2	78	424	–	–

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
											천연가스	도시가스	수 력	원자력	전 력	열	신재생	합 계	
LPG			비에너지																
	프로판	부 탄		나프타	용 제	아스팔트	윤활기유	파라핀 왁스	석유 코크	기타제품									
	Propane	Butane	Non-Energy Use	Naphtha	Solvent	Asphalt	Lubricant	Paraffin-Wax	Petroleum Coke	Other Products	L N G	Town Gas	Hydro	Nuclear	Electricity	Heat	Renewable Energy	Total	
1,000 toe																			
–	–	–	–	–	–	–	–	–	–	–	–	–	1,517	25,766	–	–	1,806	30,978	Domestic Production
8,896	5,350	3,546	37,320	33,776	82	2,089	718	10	229	415	16,865	–	–	–	–	–	–	200,966	Imports
3,170	913	2,257	24,460	20,915	82	2,089	718	10	229	415	–	–	–	–	–	–	–	127,217	(Petroleum Products)
5,726	4,437	1,289	12,861	12,861	–	–	–	–	–	–	–	–	–	–	–	–	–	22,474	(Petroleum Imports)
-1,380	-844	-536	-6,785	-5,878	-4	-463	-226	–	-33	-180	–	–	–	–	–	–	–	-42,362	Exports
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	-7,558	Int'l Bunkers
88	-2	90	250	228	-14	19	24	1	-3	-4	-15	–	–	–	–	–	–	248	Stock Change(+/-)
396	215	181	1,157	1,015	9	57	69	1	2	4	685	–	–	–	–	–	–	11,900	Former Stock
-309	-217	-91	-907	-787	-22	-38	-45	–	-6	-8	-700	–	–	–	–	–	–	-11,652	Ending Stock
205	70	135	-330	-284	31	-8	-43	–	-28	–	–	–	–	–	–	–	–	-909	Statistical Difference
7,808	4,573	3,235	30,455	27,842	96	1,637	473	11	165	231	16,849	–	1,517	25,766	–	–	1,806	181,363	Primary Consumption
-437	-437	–	–	–	–	–	–	–	–	–	-16,849	10,513	-1,517	-25,766	18,422	1,000	–	-38,303	Transformation
–	–	–	–	–	–	–	–	–	–	–	-5,969	-84	-1,517	-25,766	20,582	747	–	-35,368	Electric Generation
–	–	–	–	–	–	–	–	–	–	–	-231	-127	–	–	–	300	–	-364	District Heating
-437	-437	–	–	–	–	–	–	–	–	–	-10,252	10,773	–	–	–	–	–	82	Gas Manufacturing
–	–	–	–	–	–	–	–	–	–	–	-398	-49	–	–	-2,159	-48	–	-2,654	Own Use & Loss
7,371	4,136	3,235	30,455	27,842	96	1,637	473	11	165	231	–	10,513	–	–	18,422	1,000	1,806	143,060	Final Consumption
2,030	1,428	602	30,432	27,842	96	1,637	473	11	141	231	–	2,530	–	–	10,394	–	1,568	79,858	Industry
9	8	1	–	–	–	–	–	–	–	–	–	1	–	–	393	–	–	3,843	Agri. Fishery
1	1	–	–	–	–	–	–	–	–	–	–	1	–	–	82	–	–	124	Mining
1,989	1,388	601	28,795	27,842	96	–	473	11	141	231	–	2,528	–	–	9,919	–	1,568	73,889	Manufacturing
41	40	1	10	–	–	–	–	–	–	10	–	144	–	–	495	–	–	1,568	Food Tobacco
10	9	1	–	–	–	–	–	–	–	–	–	295	–	–	1,240	–	–	3,350	Textile & Apparel
1	1	–	–	–	–	–	–	–	–	–	–	2	–	–	88	–	–	173	Wood & Wood Pro.
17	17	–	–	–	–	–	–	–	–	–	–	61	–	–	717	–	–	2,111	Pulp & Publications
1,289	915	374	28,133	27,842	96	–	–	–	–	195	–	214	–	–	2,141	–	–	34,256	Petro. Chemical
154	138	15	99	–	–	–	–	–	99	–	–	213	–	–	718	–	–	5,448	Non-Metallic
94	73	21	–	–	–	–	–	–	–	–	–	503	–	–	1,921	–	–	16,215	Iron & Steel
36	28	8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	167	Non-ferrous
112	82	30	–	–	–	–	–	–	–	–	–	609	–	–	2,472	–	–	4,998	Fabricated Metal
234	84	150	43	–	–	–	–	–	42	1	–	488	–	–	127	–	1,568	5,067	Other Manufacturing
1	1	–	510	–	–	–	473	11	–	25	–	–	–	–	–	–	–	537	Other Energy
31	31	–	1,637	–	–	1,637	–	–	–	–	–	–	–	–	–	–	–	2,002	Construction
2,599	18	2,580	–	–	–	–	–	–	–	–	–	–	–	–	149	–	–	28,625	Transportation
1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	149	–	–	478	Rail
2,592	12	2,580	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	21,175	Land
3	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4,849	Water
3	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2,122	Air
2,548	2,531	17	–	–	–	–	–	–	–	–	–	6,409	–	–	2,974	928	159	20,276	Residential
171	138	33	23	–	–	–	–	–	23	–	–	1,374	–	–	3,819	54	5	11,653	Commercial
23	21	2	–	–	–	–	–	–	–	–	–	199	–	–	1,086	18	75	2,648	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		석 탄							석 유										
			무연탄			유연탄				에너지유									
				국내탄	수입탄		원료탄	연료탄			휘발유	등 유	경 유	경질중유	중 유	중질중유	JA-1	JP-4	AVI-G
		Total of Coal	Anthracite	Domestic	Import	Bituminous	Coking	Steam	Total of Petroleum	Energy Use	Gasoline	Kerosene	Diesel	B - A	B - B	B - C			
		1,000 toe																	
국 내 생 산	1	1,868	1,868	1,868	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
수 입	2	40,559	1,223	–	1,223	39,336	12,920	26,417	154,300	105,669	10,153	13,094	33,760	634	148	39,406	8,474	–	–
(석 유 생 산)	3	–	–	–	–	–	–	–	128,912	100,023	10,055	12,144	33,348	634	148	35,455	8,239	–	–
(석 유 수 입)	4	–	–	–	–	–	–	–	25,388	5,646	98	950	412	–	–	3,952	235	–	–
수 출	5	–	–	–	–	–	–	–	–43,577	–35,419	–1,962	–2,749	–14,140	–	–	–11,357	–5,211	–	–
국 제 벙 커 링	6	–	–	–	–	–	–	–	–7,163	–7,163	–	–	–825	–126	–	–5,621	–591	–	–
재 고 증 감	7	–16	–16	–18	2	–	–	–	–973	–868	–74	–392	–89	–10	–1	–178	–125	–	–
연 초 재 고	8	4,963	4,963	4,438	524	–	–	–	5,989	4,773	415	1,098	1,410	32	9	1,604	204	–	1
연 말 재 고	9	–4,979	–4,979	–4,456	–523	–	–	–	–6,961	–5,641	–489	–1,489	–1,500	–43	–9	–1,782	–329	–	–
통 계 오 차	10	501	20	22	–2	481	–105	586	–2,308	–2,476	114	–284	225	–54	74	–2,526	–25	–	–
1 차 에 너 지 소 비	11	42,911	3,094	1,871	1,223	39,817	12,814	27,003	100,279	59,743	8,232	9,669	18,931	443	221	19,724	2,521	–	–
에 너 지 전 환	12	–23,064	–1,083	–1,083	–	–21,981	–	–21,981	–6,684	–6,373	–	–136	–73	–	–	–6,164	–	–	–
발 전	13	–23,064	–1,083	–1,083	–	–21,981	–	–21,981	–6,042	–6,042	–	–124	–72	–	–	–5,845	–	–	–
지 역 난 방	14	–	–	–	–	–	–	–	–331	–331	–	–12	–	–	–	–319	–	–	–
가 스 제 조	15	–	–	–	–	–	–	–	–311	–1	–	–	–	–	–	–	–	–	–
자 가 소 비 및 손 실	16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
최 종 에 너 지 소 비	17	19,847	2,011	788	1,223	17,836	12,814	5,022	93,596	53,369	8,232	9,533	18,858	443	221	13,560	2,521	–	–
산 업 부 문	18	19,129	1,293	70	1,223	17,836	12,814	5,022	48,193	14,396	288	1,139	3,668	239	164	8,897	–	–	–
농 림 어 업	19	–	–	–	–	–	–	–	3,600	3,591	236	453	2,640	82	76	105	–	–	–
광 업	20	–	–	–	–	–	–	–	54	54	–	2	23	4	2	24	–	–	–
제 조 업	21	19,129	1,293	70	1,223	17,836	12,814	5,022	42,421	10,297	46	653	707	149	83	8,659	–	–	–
음 식. 담 배	22	30	–	–	–	30	–	30	877	836	–	26	41	7	5	756	–	–	–
섬 유. 의 복	23	96	–	–	–	96	–	96	1,648	1,644	–	33	11	11	2	1,586	–	–	–
목 재. 나 무	24	1	–	–	–	1	–	1	83	82	–	2	4	–	1	75	–	–	–
펄 프. 인 쇄	25	–	–	–	–	–	–	–	1,216	1,205	–	12	9	19	4	1,160	–	–	–
석 유. 화 학	26	177	–	–	–	177	–	177	32,832	2,074	–	41	80	21	17	1,914	–	–	–
비 금 속	27	3,538	35	35	–	3,503	–	3,503	1,110	868	–	32	57	17	9	753	–	–	–
1 차 금 속	28	13,282	468	29	439	12,814	12,814	–	923	858	–	64	33	1	1	759	–	–	–
비 철 금 속	29	–	–	–	–	–	–	–	185	143	–	13	7	4	10	110	–	–	–
조 립 금 속	30	–	–	–	–	–	–	–	1,549	1,428	35	52	112	39	22	1,168	–	–	–
기 타 제 조	31	2,007	791	7	784	1,216	–	1,216	1,414	1,113	9	365	351	30	11	346	–	–	–
기 타 에 너 지	32	–	–	–	–	–	–	–	586	47	–	12	1	–	1	33	–	–	–
건 설 업	33	–	–	–	–	–	–	–	2,118	454	6	32	299	4	3	109	–	–	–
수 송 부 문	34	–	–	–	–	–	–	–	30,770	27,317	7,883	13	13,284	170	30	3,770	2,167	–	–
철 도 운 수	35	–	–	–	–	–	–	–	337	337	–	1	336	–	–	1	–	–	–
육 상 운 수	36	–	–	–	–	–	–	–	23,554	20,102	7,883	7	12,208	–	–	3	–	–	–
수 상 운 수	37	–	–	–	–	–	–	–	4,705	4,704	–	3	735	170	30	3,765	–	–	–
항 공 운 수	38	–	–	–	–	–	–	–	2,174	2,173	–	1	5	–	–	–	2,166	–	–
가 정 부 문	39	718	718	718	–	–	–	–	8,994	6,193	3	5,434	127	20	9	600	–	–	–
상 업 부 분	40	–	–	–	–	–	–	–	4,499	4,348	7	2,814	1,263	11	17	235	1	–	–
공 공 부 문	41	–	–	–	–	–	–	–	1,140	1,116	50	133	516	3	1	59	354	–	–

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
											천연가스	도시가스	수 력	원자력	전 력	열	신재생	합 계	
LPG			비에너지																
	프로판	부 탄		나프타	용 제	아스팔트	윤활기유	파라핀 왁스	석유 코크	기타제품									
	Propane	Butane	Non-Energy Use	Naphtha	Solvent	Asphalt	Lubricant	Paraffin-Wax	Petroleum Coke	Other Products	L N G	Town Gas	Hydro	Nuclear	Electricity	Heat	Renewable Energy	Total	
1,000 toe																			
–	–	–	–	–	–	–	–	–	–	–	–	–	1,402	27,241	–	–	2,130	32,641	Domestic Production
9,249	4,925	4,324	39,382	35,395	82	2,163	1,007	11	267	457	18,951	–	–	–	–	–	–	213,810	Imports
3,665	1,027	2,637	25,225	21,242	82	2,159	1,007	11	267	457	–	–	–	–	–	–	–	128,912	(Petroleum Products)
5,584	3,897	1,687	14,157	14,154	–	4	–	–	–	–	–	–	–	–	–	–	–	25,388	(Petroleum Imports)
-821	-512	-308	-7,337	-6,213	-1	-506	-384	–	-65	-168	–	–	–	–	–	–	–	-43,577	Exports
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	-7,163	Int'l Bunkers
-3	34	-37	-102	-94	3	1	-6	-1	-1	-4	-68	–	–	–	–	–	–	-1,057	Stock Change(+/-)
309	217	92	907	787	22	38	45	–	6	8	700	–	–	–	–	–	–	11,652	Former Stock
-312	-183	-129	-1,009	-881	-19	-38	-51	-1	-7	-12	-768	–	–	–	–	–	–	-12,709	Ending Stock
219	101	118	-51	43	12	-22	-50	–	-39	5	40	–	–	–	–	–	–	-1,767	Statistical Difference
8,644	4,548	4,096	31,893	29,131	96	1,636	567	10	162	290	18,924	–	1,402	27,241	–	–	2,130	192,887	Primary Consumption
-311	-307	-4	–	–	–	–	–	–	–	–	-18,924	12,561	-1,402	-27,241	20,600	1,119	–	-43,036	Transformation
–	–	–	–	–	–	–	–	–	–	–	-5,659	-108	-1,402	-27,241	22,910	809	–	-39,797	Electric Generation
–	–	–	–	–	–	–	–	–	–	–	-436	-120	–	–	–	357	–	-530	District Heating
-311	-307	-4	–	–	–	–	–	–	–	–	-12,387	12,520	–	–	–	–	–	-178	Gas Manufacturing
–	–	–	–	–	–	–	–	–	–	–	-442	269	–	–	-2,310	-48	–	-2,530	Own Use & Loss
8,333	4,241	4,092	31,893	29,131	96	1,636	567	10	162	290	–	12,561	–	–	20,600	1,119	2,130	149,852	Final Consumption
1,939	1,342	597	31,858	29,129	96	1,636	567	10	130	290	–	3,308	–	–	11,374	–	1,908	83,912	Industry
9	8	1	–	–	–	–	–	–	–	–	–	13	–	–	456	–	–	4,069	Agri. Fishery
1	1	–	–	–	–	–	–	–	–	–	–	2	–	–	86	–	–	142	Mining
1,902	1,306	596	30,222	29,129	96	–	567	10	130	290	–	3,294	–	–	10,832	–	1,908	77,583	Manufacturing
27	26	1	14	–	–	–	–	–	–	14	–	176	–	–	529	–	–	1,612	Food Tobacco
4	3	1	–	–	–	–	–	–	–	–	–	428	–	–	1,333	–	–	3,504	Textile & Apparel
1	1	–	–	–	–	–	–	–	–	–	–	2	–	–	98	–	–	184	Wood & Wood Pro.
11	10	–	–	–	–	–	–	–	–	–	–	66	–	–	760	–	–	2,042	Pulp & Publications
1,220	840	380	29,538	29,129	96	–	67	–	–	247	–	319	–	–	2,313	–	–	35,641	Petro. Chemical
156	138	17	86	–	–	–	–	–	86	–	–	252	–	–	772	–	–	5,672	Non-Metallic
65	46	19	–	–	–	–	–	–	–	–	–	647	–	–	2,043	–	–	16,894	Iron & Steel
42	35	6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	185	Non-ferrous
121	89	32	–	–	–	–	–	–	–	–	–	721	–	–	2,838	–	–	5,108	Fabricated Metal
256	117	139	45	–	–	–	–	–	44	1	–	682	–	–	146	–	1,908	6,156	Other Manufacturing
–	–	–	539	–	–	–	501	10	–	28	–	–	–	–	–	–	–	586	Other Energy
28	28	–	1,636	–	–	1,636	–	–	–	–	–	–	–	–	–	–	–	2,118	Construction
3,453	7	3,446	–	–	–	–	–	–	–	–	–	–	–	–	175	–	–	30,945	Transportation
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	175	–	–	513	Rail
3,452	6	3,446	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	23,554	Land
1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4,705	Water
1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2,174	Air
2,801	2,771	30	–	–	–	–	–	–	–	–	–	7,353	–	–	3,191	1,030	115	21,401	Residential
116	99	17	35	3	–	–	–	–	32	–	–	1,671	–	–	4,700	66	33	10,969	Commercial
24	22	2	–	–	–	–	–	–	–	–	–	229	–	–	1,160	22	74	2,625	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		석 탄							석 유										
			무연탄			유연탄				에너지유									
				국내탄	수입탄		원료탄	연료탄			휘발유	등 유	경 유	경질중유	중 유	중질중유	JA-1	JP-4	AVI-G
		Total of Coal	Anthracite	Domestic	Import	Bituminous	Coking	Steam	Total of Petroleum	Energy Use	Gasoline	Kerosene	Diesel	B - A	B - B	B - C			
		1,000 toe																	
국 내 생 산	1	1,718	1,718	1,718	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
수 입	2	42,691	1,866	–	1,866	40,825	11,813	29,012	151,668	102,517	10,374	11,085	32,993	572	130	38,293	9,072	–	–
(석 유 생 산)	3	–	–	–	–	–	–	–	126,012	96,968	10,095	10,350	32,015	572	130	34,780	9,025	–	–
(석 유 수 입)	4	–	–	–	–	–	–	–	25,656	5,549	278	734	977	–	–	3,513	47	–	–
수 출	5	–	–	–	–	–	–	–	–41,991	–33,862	–2,133	–2,490	–13,228	–	–	–10,547	–5,463	–	–
국 제 벙 커 링	6	–	–	–	–	–	–	–	–7,132	–7,132	–	–	–834	–49	–	–5,568	–681	–	–
재 고 증 감	7	90	90	87	2	–	–	–	40	309	29	290	198	11	5	–112	–112	–	–
연 초 재 고	8	4,979	4,979	4,456	523	–	–	–	6,961	5,640	489	1,489	1,500	43	9	1,782	329	–	–
연 말 재 고	9	–4,889	–4,889	–4,369	–520	–	–	–	–6,921	–5,332	–460	–1,199	–1,302	–31	–4	–1,894	–440	–	–
통 계 오 차	10	1,213	5	7	–2	1,208	934	274	–2,200	–2,783	5	–349	203	–128	98	–2,572	–40	–	–
1 차 에 너 지 소 비	11	45,711	3,678	1,812	1,866	42,033	12,748	29,285	100,385	59,049	8,275	8,535	19,331	406	233	19,493	2,776	–	–
에 너 지 전 환	12	–25,179	–1,022	–1,022	–	–24,157	–	–24,157	–7,028	–6,845	–	–78	–45	–	–	–6,723	–	–	–
발 전	13	–25,179	–1,022	–1,022	–	–24,157	–	–24,157	–6,524	–6,524	–	–69	–42	–	–	–6,412	–	–	–
지 역 난 방	14	–	–	–	–	–	–	–	–319	–319	–	–8	–	–	–	–311	–	–	–
가 스 제 조	15	–	–	–	–	–	–	–	–185	–2	–	–	–2	–	–	–	–	–	–
자 가 소 비 및 손 실	16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
최 종 에 너 지 소 비	17	20,532	2,656	790	1,866	17,876	12,748	5,128	93,356	52,203	8,275	8,457	19,287	406	233	12,770	2,776	–	0
산 업 부 문	18	19,806	1,929	63	1,866	17,876	12,748	5,128	47,848	13,576	352	908	3,681	262	162	8,210	2	–	–
농 림 어 업	19	–	–	–	–	–	–	–	3,831	3,828	294	520	2,758	91	68	97	–	–	–
광 업	20	–	–	–	–	–	–	–	58	57	–	2	23	7	2	22	–	–	–
제 조 업	21	19,805	1,929	63	1,866	17,876	12,748	5,128	41,750	9,267	50	359	632	150	89	7,985	2	–	–
음 식. 담 배	22	31	–	–	–	31	–	31	774	737	1	20	34	8	9	666	–	–	–
섬 유. 의 복	23	108	–	–	–	108	–	108	1,544	1,539	1	27	11	7	4	1,489	–	–	–
목 재. 나 무	24	–	–	–	–	–	–	–	77	77	–	2	4	–	1	70	–	–	–
펄 프. 인 쇄	25	–	–	–	–	–	–	–	1,115	1,108	–	8	5	20	7	1,067	–	–	–
석 유. 화 학	26	177	–	–	–	177	–	177	33,210	2,007	4	28	85	20	14	1,855	–	–	–
비 금 속	27	3,636	23	23	–	3,613	–	3,613	1,079	871	1	21	55	16	9	769	–	–	–
1 차 금 속	28	13,379	631	40	591	12,748	12,748	–	683	622	3	29	12	4	1	573	–	–	–
비 철 금 속	29	–	–	–	–	–	–	–	162	123	–	8	5	3	12	95	–	–	–
조 립 금 속	30	–	–	–	–	–	–	–	1,366	1,263	34	36	102	33	21	1,036	–	–	–
기 타 제 조	31	2,474	1,275	–	1,275	1,199	–	1,199	1,152	855	5	169	318	36	11	316	–	–	–
기 타 에 너 지	32	–	–	–	–	–	–	–	588	66	–	10	2	2	–	50	1	–	–
건 설 업	33	–	–	–	–	–	–	–	2,209	424	7	26	268	14	3	106	–	–	–
수 송 부 문	34	–	–	–	–	–	–	–	31,708	27,761	7,848	18	13,892	115	29	3,650	2,208	–	–
철 도 운 수	35	–	–	–	–	–	–	–	341	341	–	–	339	–	–	1	–	–	–
육 상 운 수	36	–	–	–	–	–	–	–	24,833	20,888	7,847	15	12,988	4	–	35	–	–	–
수 상 운 수	37	–	–	–	–	–	–	–	4,317	4,316	1	2	559	112	29	3,614	–	–	–
항 공 운 수	38	–	–	–	–	–	–	–	2,216	2,216	–	2	6	–	–	–	2,208	–	–
가 정 부 문	39	727	727	727	–	–	–	–	8,889	6,116	5	5,374	64	12	19	642	–	–	–
상 업 부 분	40	–	–	–	–	–	–	–	3,585	3,448	6	2,064	1,120	14	21	221	3	–	–
공 공 부 문	41	–	–	–	–	–	–	–	1,327	1,302	63	94	531	2	2	47	564	–	–

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
											천연가스	도시가스	수 력	원자력	전 력	열	신재생	합 계	
LPG			비에너지																
	프로판	부 탄		나프타	용 제	아스팔트	윤활기유	파라핀 왁스	석유 코크	기타제품									
	Propane	Butane	Non-Energy Use	Naphtha	Solvent	Asphalt	Lubricant	Paraffin-Wax	Petroleum Coke	Other Products	L N G	Town Gas	Hydro	Nuclear	Electricity	Heat	Renewable Energy	Total	
1,000 toe																			
–	–	–	–	–	–	–	–	–	–	–	–	–	1,038	28,033	–	–	2,456	33,244	Domestic Production
8,987	4,160	4,827	40,164	35,918	103	2,323	1,005	11	262	541	21,013	–	–	–	–	–	–	215,372	Imports
4,145	1,041	3,104	24,899	20,689	103	2,291	1,001	11	262	541	–	–	–	–	–	–	–	126,012	(Petroleum Products)
4,842	3,119	1,723	15,265	15,229	–	32	4	–	–	–	–	–	–	–	–	–	–	25,656	(Petroleum Imports)
-495	-231	-264	-7,634	-6,515	–	-535	-380	–	-70	-133	–	–	–	–	–	–	–	-41,991	Exports
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	-7,132	Int'l Bunkers
54	50	5	-323	-284	-8	-2	-41	–	6	5	-191	–	–	–	–	–	–	-61	Stock Change(+/-)
312	183	129	1,009	881	19	38	51	1	7	12	768	–	–	–	–	–	–	12,708	Former Stock
-258	-133	-124	-1,331	-1,165	-27	-39	-92	-1	–	-7	-959	–	–	–	–	–	–	-12,769	Ending Stock
130	17	113	452	553	8	-32	-51	–	-37	12	-35	–	–	–	–	–	–	-1,023	Statistical Difference
8,676	3,996	4,680	32,660	29,672	103	1,754	534	11	161	425	20,787	–	1,038	28,033	–	–	2,456	198,409	Primary Consumption
-183	-177	-6	–	–	–	–	–	–	–	–	-20,787	13,290	-1,038	-28,033	22,165	1,150	–	-45,460	Transformation
–	–	–	–	–	–	–	–	–	–	–	-6,054	-88	-1,038	-28,033	24,529	786	–	-41,601	Electric Generation
–	–	–	–	–	–	–	–	–	–	–	-819	-132	–	–	–	416	–	-855	District Heating
-183	-177	-6	–	–	–	–	–	–	–	–	-13,389	13,388	–	–	–	–	–	-186	Gas Manufacturing
–	–	–	–	–	–	–	–	–	–	–	-524	122	–	–	-2,364	-51	–	-2,817	Own Use & Loss
8,493	3,819	4,674	32,660	29,672	103	1,754	534	11	161	425	–	13,290	–	–	22,165	1,150	2,456	152,950	Final Consumption
1,690	995	694	32,582	29,672	103	1,754	534	11	124	385	–	3,612	–	–	11,678	–	2,215	85,158	Industry
3	2	1	–	–	–	–	–	–	–	–	–	22	–	–	515	–	–	4,369	Agri. Fishery
1	1	–	–	–	–	–	–	–	–	–	–	2	–	–	92	–	–	152	Mining
1,655	963	693	30,828	29,672	103	–	534	11	124	384	–	3,587	–	–	11,071	–	2,215	78,428	Manufacturing
22	20	1	16	–	–	–	–	–	–	16	–	190	–	–	549	–	–	1,545	Food Tobacco
4	3	1	1	–	–	–	–	–	–	1	–	439	–	–	1,302	–	–	3,393	Textile & Apparel
–	–	–	–	–	–	–	–	–	–	–	–	2	–	–	108	–	–	187	Wood & Wood Pro.
7	7	–	–	–	–	–	–	–	–	–	–	65	–	–	770	–	–	1,951	Pulp & Publications
1,053	589	464	30,150	29,672	103	–	56	–	–	319	–	333	–	–	2,394	–	–	36,114	Petro. Chemical
125	116	9	83	–	–	–	–	–	81	3	–	265	–	–	800	–	–	5,780	Non-Metallic
59	30	29	1	–	–	–	–	–	–	1	–	715	–	–	2,021	–	–	16,798	Iron & Steel
38	37	1	1	–	–	–	–	–	–	1	–	–	–	–	–	–	–	162	Non-ferrous
100	72	28	4	–	–	–	–	–	–	4	–	739	–	–	2,972	–	–	5,078	Fabricated Metal
246	88	157	51	–	–	–	–	–	43	8	–	839	–	–	154	–	2,215	6,833	Other Manufacturing
1	–	1	521	–	–	–	478	11	–	31	–	–	–	–	–	–	–	588	Other Energy
31	29	1	1,755	–	–	1,754	–	–	–	1	–	–	–	–	–	–	–	2,209	Construction
3,946	3	3,943	1	–	–	–	–	–	–	1	–	7	–	–	194	–	–	31,909	Transportation
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	194	–	–	535	Rail
3,945	2	3,943	–	–	–	–	–	–	–	–	–	7	–	–	–	–	–	24,841	Land
1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4,317	Water
1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2,216	Air
2,738	2,712	26	34	–	–	–	–	–	–	34	–	7,526	–	–	3,372	1,050	109	21,673	Residential
95	86	9	42	–	–	–	–	–	38	4	–	1,885	–	–	5,633	75	42	11,220	Commercial
24	22	1	1	–	–	–	–	–	–	1	–	259	–	–	1,288	25	90	2,989	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		석 탄							석 유										
			무연탄			유연탄				에너지유									
				국내탄	수입탄		원료탄	연료탄			휘발유	등 유	경 유	경질중유	중 유	중질중유	JA-1	JP-4	AVI-G
		Total of Coal	Anthracite	Domestic	Import	Bituminous	Coking	Steam	Total of Petroleum	Energy Use	Gasoline	Kerosene	Diesel	B - A	B - B	B - C			
		1,000 toe																	
국 내 생 산	1	1,493	1,493	1,493	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
수 입	2	44,990	2,327	–	2,327	42,662	11,656	31,007	147,133	95,653	10,685	9,483	32,275	715	117	32,625	9,753	–	–
(석 유 생 산)	3	–	–	–	–	–	–	–	118,461	88,159	10,153	8,527	30,384	711	117	28,899	9,368	–	–
(석 유 수 입)	4	–	–	–	–	–	–	–	28,672	7,494	532	957	1,891	4	–	3,726	385	–	–
수 출	5	–	–	–	–	–	–	–	-33,770	-25,933	-2,049	-1,411	-11,150	–	–	-5,513	-5,810	–	–
국 제 벙 커 링	6	–	–	–	–	–	–	–	-7,115	-7,115	–	–	-845	-36	–	-5,272	-961	–	–
재 고 증 감	7	221	221	192	29	–	–	–	926	1,015	10	519	263	-6	2	109	118	–	–
연 초 재 고	8	4,889	4,889	4,369	520	–	–	–	6,921	5,332	460	1,199	1,302	31	4	1,894	440	–	–
연 말 재 고	9	-4,668	-4,668	-4,177	-491	–	–	–	-5,994	-4,317	-450	-680	-1,039	-37	-2	-1,785	-322	–	–
통 계 오 차	10	2,392	–	29	-29	2,392	1,608	784	-4,761	-5,018	-191	-504	-352	-231	133	-3,548	-326	–	–
1 차 에 너 지 소 비	11	49,096	4,041	1,714	2,327	45,054	13,264	31,790	102,414	58,601	8,455	8,086	20,191	442	252	18,400	2,774	–	–
에 너 지 전 환	12	-27,466	-972	-972	–	-26,494	–	-26,494	-6,255	-6,092	–	-149	-102	–	–	-5,840	–	–	–
발 전	13	-27,466	-972	-972	–	-26,494	–	-26,494	-5,702	-5,702	–	-145	-101	–	–	-5,456	–	–	–
지 역 난 방	14	–	–	–	–	–	–	–	-389	-389	–	-4	–	–	–	-384	–	–	–
가 스 제 조	15	–	–	–	–	–	–	–	-164	-2	–	–	-1	–	–	–	–	–	–
자 가 소 비 및 손 실	16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
최 종 에 너 지 소 비	17	21,629	3,069	742	2,327	18,560	13,264	5,296	96,159	52,509	8,455	7,937	20,089	441	252	12,560	2,774	–	–
산 업 부 문	18	20,932	2,372	45	2,327	18,560	13,264	5,296	49,499	13,198	408	932	3,392	281	169	8,015	2	–	–
농 림 어 업	19	–	–	–	–	–	–	–	3,773	3,767	356	579	2,594	80	68	90	–	–	–
광 업	20	–	–	–	–	–	–	–	63	62	–	3	30	14	1	13	–	–	–
제 조 업	21	20,932	2,372	44	2,327	18,560	13,264	5,296	43,477	8,875	44	320	452	165	96	7,796	2	–	–
음 식. 담 배	22	32	–	–	–	32	–	32	751	693	–	26	33	9	6	619	–	–	–
섬 유. 의 복	23	115	–	–	–	115	–	115	1,496	1,480	–	27	10	14	3	1,426	–	–	–
목 재. 나 무	24	–	–	–	–	–	–	–	81	79	–	4	5	–	1	69	–	–	–
펄 프. 인 쇄	25	–	–	–	–	–	–	–	1,145	1,135	–	13	8	22	9	1,083	–	–	–
석 유. 화 학	26	170	–	–	–	170	–	170	35,215	1,891	2	33	80	13	12	1,751	–	–	–
비 금 속	27	3,759	17	17	–	3,742	–	3,742	1,093	886	–	23	55	27	9	771	–	–	–
1 차 금 속	28	13,919	655	27	628	13,264	13,264	–	678	631	–	24	7	3	2	596	–	–	–
비 철 금 속	29	–	–	–	–	–	–	–	159	125	–	9	4	3	15	94	–	–	–
조 립 금 속	30	–	–	–	–	–	–	–	1,358	1,248	36	41	105	32	23	1,009	2	–	–
기 타 제 조	31	2,937	1,700	–	1,700	1,237	–	1,237	934	621	4	115	140	34	18	310	–	–	–
기 타 에 너 지	32	–	–	–	–	–	–	–	568	85	–	6	5	6	–	68	–	–	–
건 설 업	33	–	–	–	–	–	–	–	2,186	495	8	29	315	22	4	115	–	–	–
수 송 부 문	34	–	–	–	–	–	–	–	33,488	29,257	7,961	32	15,089	108	36	3,729	2,301	–	–
철 도 운 수	35	–	–	–	–	–	–	–	341	341	–	–	339	–	–	1	–	–	–
육 상 운 수	36	–	–	–	–	–	–	–	26,405	22,177	7,961	26	14,161	3	–	26	–	–	–
수 상 운 수	37	–	–	–	–	–	–	–	4,434	4,431	–	5	583	105	35	3,703	–	–	–
항 공 운 수	38	–	–	–	–	–	–	–	2,309	2,309	–	1	6	–	–	–	2,301	–	–
가 정 부 문	39	697	697	697	–	–	–	–	8,623	5,722	14	4,848	240	23	22	576	–	–	–
상 업 부 분	40	–	–	–	–	–	–	–	3,332	3,138	6	2,043	834	26	24	204	2	–	–
공 공 부 문	41	–	–	–	–	–	–	–	1,217	1,194	65	83	534	4	2	36	469	–	–

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
											천연가스	도시가스	수 력	원자력	전 력	열	신재생	합 계	
LPG			비에너지																
	프로판	부 탄		나프타	용 제	아스팔트	윤활기유	파라핀 왁스	석유 코크	기타제품									
	Propane	Butane	Non-Energy Use	Naphtha	Solvent	Asphalt	Lubricant	Paraffin-Wax	Petroleum Coke	Other Products	L N G	Town Gas	Hydro	Nuclear	Electricity	Heat	Renewable Energy	Total	
1,000 toe																			
–	–	–	–	–	–	–	–	–	–	–	–	–	1,327	29,776	–	–	2,925	35,521	Domestic Production
9,930	4,713	5,216	41,551	36,353	170	2,904	1,113	12	258	740	22,711	–	–	–	–	–	–	214,833	Imports
4,269	1,045	3,224	26,034	20,847	170	2,895	1,111	12	258	740	–	–	–	–	–	–	–	118,461	(Petroleum Products)
5,661	3,668	1,992	15,517	15,505	–	9	2	–	–	–	–	–	–	–	–	–	–	28,672	(Petroleum Imports)
-294	-154	-140	-7,542	-5,716	–	-1,122	-532	–	-49	-122	–	–	–	–	–	–	–	-33,770	Exports
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	-7,115	Int'l Bunkers
-233	-111	-121	144	196	9	-70	19	–	-8	-3	406	–	–	–	–	–	–	1,553	Stock Change(+/-)
258	133	124	1,331	1,165	27	39	92	1	0	7	959	–	–	–	–	–	–	12,769	Former Stock
-490	-245	-246	-1,188	-969	-18	-109	-73	-1	-8	-10	-553	–	–	–	–	–	–	-11,216	Ending Stock
-5	-103	98	263	368	-13	-67	-28	–	-40	43	-18	–	–	–	–	–	–	-2,387	Statistical Difference
9,398	4,345	5,053	34,415	31,200	166	1,645	572	12	161	658	23,099	–	1,327	29,776	–	–	2,925	208,636	Primary Consumption
-163	-159	-3	–	–	–	–	–	–	–	–	-23,099	14,567	-1,327	-29,776	23,947	1,223	–	-48,185	Transformation
–	–	–	–	–	–	–	–	–	–	–	-7,671	-31	-1,327	-29,776	26,357	842	–	-44,774	Electric Generation
–	–	–	–	–	–	–	–	–	–	–	-791	-197	–	–	–	441	–	-937	District Heating
-163	-159	-3	–	–	–	–	–	–	–	–	-14,552	14,506	–	–	–	–	–	-211	Gas Manufacturing
–	–	–	–	–	–	–	–	–	–	–	-85	289	–	–	-2,410	-59	–	-2,265	Own Use & Loss
9,235	4,186	5,050	34,415	31,200	166	1,645	572	12	161	658	–	14,567	–	–	23,947	1,223	2,925	160,451	Final Consumption
2,039	1,291	748	34,262	31,200	166	1,645	572	12	126	541	–	3,984	–	–	12,423	–	2,359	89,197	Industry
6	5	1	–	–	–	–	–	–	–	–	–	19	–	–	529	–	–	4,321	Agri. Fishery
–	–	–	1	–	–	–	–	–	–	1	–	–	–	–	99	–	–	162	Mining
1,988	1,242	746	32,614	31,200	166	–	572	12	126	539	–	3,965	–	–	11,794	–	2,359	82,528	Manufacturing
27	26	1	30	–	–	–	–	–	–	30	–	251	–	–	582	–	–	1,616	Food Tobacco
6	5	2	9	–	–	–	–	–	–	9	–	442	–	–	1,337	–	–	3,389	Textile & Apparel
1	1	–	1	–	–	–	–	–	–	1	–	3	–	–	119	–	–	204	Wood & Wood Pro.
10	10	–	–	–	–	–	–	–	–	–	–	67	–	–	802	–	–	2,014	Pulp & Publications
1,395	885	509	31,930	31,200	166	–	134	–	–	430	–	400	–	–	2,517	–	–	38,302	Petro. Chemical
114	110	4	94	–	–	–	–	–	87	6	–	274	–	–	853	–	–	5,979	Non-Metallic
43	19	24	3	–	–	–	–	–	–	3	–	719	–	–	2,148	–	–	17,465	Iron & Steel
30	30	–	4	–	–	–	–	–	–	4	–	–	–	–	–	–	–	159	Non-ferrous
100	74	26	9	–	–	–	–	–	–	9	–	786	–	–	3,265	–	–	5,409	Fabricated Metal
262	82	180	52	–	–	–	–	–	38	14	–	1,023	–	–	170	–	2,359	7,423	Other Manufacturing
1	1	–	483	–	–	–	438	12	–	33	–	–	–	–	–	–	–	568	Other Energy
44	43	1	1,647	–	–	1,645	–	–	–	2	–	–	–	–	–	–	–	2,186	Construction
4,229	11	4,218	2	–	–	–	–	–	–	2	–	80	–	–	195	–	–	33,763	Transportation
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	195	–	–	536	Rail
4,227	9	4,218	1	–	–	–	–	–	–	1	–	80	–	–	–	–	–	26,484	Land
1	1	–	1	–	–	–	–	–	–	1	–	–	–	–	–	–	–	4,434	Water
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2,309	Air
2,805	2,752	53	96	–	–	–	–	–	–	96	–	8,109	–	–	3,636	1,118	325	22,508	Residential
143	114	29	51	–	–	–	–	–	36	15	–	2,132	–	–	6,223	78	26	11,791	Commercial
19	18	2	4	–	–	–	–	–	–	4	–	262	–	–	1,470	27	215	3,191	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		석 탄							석 유										
			무연탄			유연탄				에너지유									
				국내탄	수입탄		원료탄	연료탄			휘발유	등 유	경 유	경질중유	중 유	중질중유	JA-1	JP-4	AVI-G
		Total of Coal	Anthracite	Domestic	Import	Bituminous	Coking	Steam	Total of Petroleum	Energy Use	Gasoline	Kerosene	Diesel	B - A	B - B	B - C			
		1,000 toe																	
국 내 생 산	1	1,484	1,484	1,484	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
수 입	2	45,894	2,784	–	2,784	43,110	11,666	31,444	143,708	93,201	9,911	9,677	31,274	715	103	33,426	8,095	–	–
(석 유 생 산)	3	–	–	–	–	–	–	–	116,347	87,729	9,639	8,761	29,644	705	103	31,261	7,616	–	–
(석 유 수 입)	4	–	–	–	–	–	–	–	27,361	5,472	272	916	1,630	10	–	2,166	478	–	–
수 출	5	–	–	–	–	–	–	–	–29,873	–23,539	–1,786	–1,818	–8,895	–	–	–7,214	–3,825	–	–
국 제 벙 커 링	6	–	–	–	–	–	–	–	–8,120	–8,120	–	–	–923	–22	–	–5,925	–1,251	–	–
재 고 증 감	7	261	261	249	12	–	–	–	218	–	11	–170	–29	–3	–1	218	–25	–	–
연 초 재 고	8	4,668	4,668	4,177	491	–	–	–	5,998	4,316	450	680	1,039	37	2	1,785	322	–	–
연 말 재 고	9	–4,407	–4,407	–3,928	–479	–	–	–	–5,780	–4,317	–438	–851	–1,069	–41	–3	–1,567	–348	–	–
통 계 오 차	10	3,477	31	32	–2	3,446	1,870	1,577	–3,554	–3,937	–155	–375	–165	–288	171	–2,978	–147	–	–
1 차 에 너 지 소 비	11	51,116	4,560	1,766	2,794	46,556	13,536	33,020	102,380	57,605	7,981	7,313	21,262	402	273	17,527	2,846	–	–
에 너 지 전 환	12	–28,507	–1,030	–1,030	–	–27,477	–	–27,477	–6,225	–6,134	–	–246	–338	–	–	–5,550	–	–	–
발 전	13	–28,507	–1,030	–1,030	–	–27,477	–	–27,477	–5,705	–5,705	–	–240	–337	–	–	–5,128	–	–	–
지 역 난 방	14	–	–	–	–	–	–	–	–425	–425	–	–3	–	–	–	–422	–	–	–
가 스 제 조	15	–	–	–	–	–	–	–	–94	–4	–	–3	–1	–	–	–	–	–	–
자 가 소 비 및 손 실	16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
최 종 에 너 지 소 비	17	22,610	3,530	736	2,794	19,079	13,536	5,544	96,155	51,471	7,981	7,067	20,923	402	273	11,978	2,846	–	–
산 업 부 문	18	21,888	2,808	24	2,784	19,079	13,536	5,544	49,304	11,971	266	828	3,090	222	181	7,383	2	–	–
농 림 어 업	19	–	–	–	–	–	–	–	3,245	3,239	218	526	2,271	75	57	93	–	–	–
광 업	20	–	–	–	–	–	–	–	77	72	–	3	34	19	3	13	–	–	–
제 조 업	21	21,888	2,808	24	2,784	19,079	13,536	5,544	43,740	8,133	43	275	430	108	118	7,156	2	–	–
음 식. 담 배	22	32	–	–	–	32	–	32	727	654	1	24	27	6	8	588	–	–	–
섬 유. 의 복	23	111	–	–	–	111	–	111	1,328	1,310	–	25	12	9	10	1,253	–	–	–
목 재. 나 무	24	–	–	–	–	–	–	–	68	66	–	3	7	–	–	55	–	–	–
펄 프. 인 쇄	25	–	–	–	–	–	–	–	1,129	1,119	–	12	8	17	7	1,074	–	–	–
석 유. 화 학	26	177	–	–	–	177	–	177	36,096	1,749	–	20	74	8	18	1,628	–	–	–
비 금 속	27	4,007	7	7	–	4,000	–	4,000	1,043	880	–	20	63	18	11	768	–	–	–
1 차 금 속	28	14,174	639	17	622	13,536	13,536	–	619	569	–	10	5	3	1	550	–	–	–
비 철 금 속	29	–	–	–	–	–	–	–	165	131	–	8	5	4	16	98	–	–	–
조 립 금 속	30	–	–	–	–	–	–	–	1,143	1,066	38	43	102	24	29	829	2	–	–
기 타 제 조	31	3,387	2,162	–	2,162	1,224	–	1,224	794	500	3	106	123	15	17	236	–	–	–
기 타 에 너 지	32	–	–	–	–	–	–	–	628	89	–	4	4	3	–	78	–	–	–
건 설 업	33	–	–	–	–	–	–	–	2,242	527	4	24	355	20	2	121	–	–	–
수 송 부 문	34	–	–	–	–	–	–	–	34,286	29,870	7,634	26	16,106	111	36	3,778	2,178	–	–
철 도 운 수	35	–	–	–	–	–	–	–	348	348	–	–	347	–	–	1	–	–	–
육 상 운 수	36	–	–	–	–	–	–	–	27,273	22,859	7,633	23	15,193	3	1	7	–	–	–
수 상 운 수	37	–	–	–	–	–	–	–	4,477	4,476	1	1	560	108	35	3,770	–	–	–
항 공 운 수	38	–	–	–	–	–	–	–	2,188	2,187	–	2	6	1	–	–	2,178	–	–
가 정 부 문	39	722	722	712	10	–	–	–	8,040	5,309	8	4,233	434	47	20	566	–	–	–
상 업 부 분	40	–	–	–	–	–	–	–	3,116	2,934	6	1,899	764	15	33	215	1	–	–
공 공 부 문	41	–	–	–	–	–	–	–	1,408	1,388	67	81	529	7	3	35	664	–	–

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
											천연가스	도시가스	수 력	원자력	전 력	열	신재생	합 계	
LPG			비에너지																
	프로판	부 탄		나프타	용 제	아스팔트	윤활기유	파라핀 왁스	석유 코크	기타제품									
	Propane	Butane	Non-Energy Use	Naphtha	Solvent	Asphalt	Lubricant	Paraffin-Wax	Petroleum Coke	Other Products	L N G	Town Gas	Hydro	Nuclear	Electricity	Heat	Renewable Energy	Total	
1,000 toe																			
–	–	–	–	–	–	–	–	–	–	–	–	–	1,722	32,415	–	–	3,241	38,861	Domestic Production
9,124	4,377	4,747	41,382	35,727	338	2,753	1,462	14	208	881	25,264	–	–	–	–	–	–	214,866	Imports
4,022	953	3,069	24,596	18,941	338	2,753	1,462	14	208	881	–	–	–	–	–	–	–	116,347	(Petroleum Products)
5,103	3,424	1,679	16,786	16,786	–	–	–	–	–	–	–	–	–	–	–	–	–	27,361	(Petroleum Imports)
-294	-169	-125	-6,039	-3,939	–	-1,064	-857	–	-45	-134	–	–	–	–	–	–	–	-29,873	Exports
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	-8,120	Int'l Bunkers
-56	-73	16	274	222	–	36	21	-1	-2	-2	-423	–	–	–	–	–	–	57	Stock Change(+/-)
490	245	246	1,191	969	22	109	73	1	8	10	959	–	–	–	–	–	–	11,626	Former Stock
-547	-318	-229	-917	-748	-22	-73	-52	-2	-10	-11	-1,382	–	–	–	–	–	–	-11,569	Ending Stock
367	-188	554	17	94	15	-47	-17	1	-42	13	-648	–	–	–	–	–	–	-725	Statistical Difference
9,140	3,947	5,193	35,634	32,104	352	1,677	610	14	118	759	24,194	–	1,722	32,415	–	–	3,241	215,066	Primary Consumption
-90	-87	-3	–	–	–	–	–	–	–	–	-24,194	15,470	-1,722	-32,415	25,250	1,300	-30	-51,071	Transformation
–	–	–	–	–	–	–	–	–	–	–	-7,609	-48	-1,722	-32,415	27,729	889	-30	-47,417	Electric Generation
–	–	–	–	–	–	–	–	–	–	–	-800	-202	–	–	–	457	–	-970	District Heating
-90	-87	-3	–	–	–	–	–	–	–	–	-15,571	15,698	–	–	–	–	–	32	Gas Manufacturing
–	–	–	–	–	–	–	–	–	–	–	-214	22	–	–	-2,479	-45	–	-2,716	Own Use & Loss
9,050	3,861	5,190	35,634	32,104	352	1,677	610	14	118	758	–	15,470	–	–	25,250	1,300	3,210	163,995	Final Consumption
1,868	1,173	695	35,465	32,104	352	1,677	610	14	87	621	–	4,177	–	–	12,933	–	2,503	90,805	Industry
5	5	–	–	–	–	–	–	–	–	–	–	23	–	–	511	–	–	3,779	Agri, Fishery
4	4	–	–	–	–	–	–	–	–	–	–	–	–	–	104	–	–	180	Mining
1,821	1,127	694	33,786	32,104	352	–	610	14	87	619	–	4,154	–	–	12,318	–	2,503	84,603	Manufacturing
25	25	1	48	–	–	–	–	–	–	48	–	275	–	–	607	–	–	1,641	Food Tobacco
6	5	2	12	–	–	–	–	–	–	12	–	431	–	–	1,260	–	–	3,130	Textile & Apparel
1	1	–	1	–	–	–	–	–	–	1	–	5	–	–	124	–	–	197	Wood & Wood Pro.
9	9	–	–	–	–	–	–	–	–	–	–	64	–	–	804	–	–	1,997	Pulp & Publications
1,295	828	466	33,052	32,103	352	–	117	–	–	480	–	447	–	–	2,685	–	–	39,405	Petro. Chemical
80	76	3	83	1	–	–	–	–	70	11	–	308	–	–	885	–	–	6,242	Non-Metallic
42	17	25	9	–	–	–	–	–	–	9	–	797	–	–	2,206	–	–	17,797	Iron & Steel
30	30	–	4	–	–	–	–	–	–	4	–	–	–	–	–	–	–	165	Non-ferrous
70	64	6	7	–	–	–	–	–	–	7	–	800	–	–	3,570	–	–	5,513	Fabricated Metal
262	72	190	31	–	–	–	–	–	16	15	–	1,029	–	–	177	–	2,503	7,888	Other Manufacturing
1	1	–	538	–	–	–	493	14	–	31	–	–	–	–	–	–	–	628	Other Energy
37	37	–	1,678	–	–	1,677	–	–	–	1	–	–	–	–	–	–	–	2,242	Construction
4,415	10	4,405	2	–	–	–	–	–	–	2	–	146	–	–	200	–	–	34,632	Transportation
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	200	–	–	549	Rail
4,414	8	4,405	–	–	–	–	–	–	–	–	–	146	–	–	–	–	–	27,419	Land
1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4,477	Water
–	–	–	1	–	–	–	–	–	–	1	–	–	–	–	–	–	–	2,188	Air
2,615	2,558	57	115	–	–	–	–	–	–	115	–	8,530	–	–	3,833	1,180	286	22,591	Residential
135	105	30	48	–	–	–	–	–	31	17	–	2,359	–	–	6,752	89	58	12,374	Commercial
17	15	2	4	–	–	–	–	–	–	4	–	259	–	–	1,531	32	364	3,593	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		석 탄							석 유										
			무연탄			유연탄				에너지유									
				국내탄	수입탄		원료탄	연료탄			휘발유	등 유	경 유	경질중유	중 유	중질중유	JA-1	JP-4	AVI-G
		Total of Coal	Anthracite	Domestic	Import	Bituminous	Coking	Steam	Total of Petroleum	Energy Use	Gasoline	Kerosene	Diesel	B - A	B - B	B - C			
		1,000 toe																	
국 내 생 산	1	1,436	1,436	1,436	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
수 입	2	50,139	2,551	–	2,551	47,588	12,510	35,078	147,620	92,602	10,123	7,076	31,716	621	98	32,339	10,630	–	1
(석 유 생 산)	3	–	–	–	–	–	–	–	123,714	90,243	9,962	6,839	31,088	620	98	31,036	10,601	–	–
(석 유 수 입)	4	–	–	–	–	–	–	–	23,905	2,358	161	236	627	–	–	1,304	29	–	1
수 출	5	–	–	–	–	–	–	–	–33,644	–26,895	–2,418	–1,064	–9,952	–	–	–7,167	–6,294	–	–
국 제 벙 커 링	6	–	–	–	–	–	–	–	–8,929	–8,929	–	–	–922	–44	–	–6,597	–1,366	–	–
재 고 증 감	7	304	304	228	76	–	–	–	–1,142	–350	11	235	–240	–5	–	–235	–116	–	–
연 초 재 고	8	4,407	4,407	3,928	479	–	–	–	5,781	4,317	438	851	1,069	41	–	1,567	348	–	–
연 말 재 고	9	–4,103	–4,103	–3,700	–403	–	–	–	–6,922	–4,667	–427	–615	–1,309	–46	–4	–1,802	–464	–	–
통 계 오 차	10	1,249	11	78	–67	1,238	1,244	–6	–3,266	–2,327	–43	–287	431	–227	166	–2,449	82	–	–
1 차 에 너 지 소 비	11	53,127	4,302	1,742	2,560	48,826	13,754	35,072	100,638	54,100	7,673	5,960	21,033	344	263	15,892	2,935	–	1
에 너 지 전 환	12	–30,933	–895	–895	–	–30,038	–	–30,038	–5,126	–5,033	–	–115	–30	–	–	–4,888	–	–	–
발 전	13	–30,933	–895	–895	–	–30,038	–	–30,038	–4,684	–4,684	–	–110	–28	–	–	–4,545	–	–	–
지 역 난 방	14	–	–	–	–	–	–	–	–348	–348	–	–5	–	–	–	–343	–	–	–
가 스 제 조	15	–	–	–	–	–	–	–	–94	–2	–	–	–1	–	–	–	–	–	–
자 가 소 비 및 손 실	16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
최 종 에 너 지 소 비	17	22,194	3,407	847	2,560	18,788	13,754	5,034	95,513	49,067	7,673	5,845	21,003	344	263	11,004	2,935	–	1
산 업 부 문	18	21,420	2,632	81	2,551	18,788	13,754	5,034	50,236	11,033	267	773	2,869	209	184	6,728	2	–	–
농 림 어 업	19	–	–	–	–	–	–	–	2,945	2,939	188	459	2,051	77	67	98	–	–	–
광 업	20	–	–	–	–	–	–	–	65	61	–	3	27	14	4	13	–	–	–
제 조 업	21	21,419	2,632	81	2,551	18,788	13,754	5,034	44,768	7,470	71	279	418	89	109	6,502	2	–	–
음 식. 담 배	22	32	–	–	–	32	–	32	717	648	1	21	23	8	8	587	–	–	–
섬 유. 의 복	23	106	–	–	–	106	–	106	1,217	1,198	–	23	16	5	16	1,138	–	–	–
목 재. 나 무	24	–	–	–	–	–	–	–	63	61	–	4	8	–	1	48	–	–	–
펄 프. 인 쇄	25	–	–	–	–	–	–	–	1,087	1,079	1	14	9	17	8	1,032	–	–	–
석 유. 화 학	26	120	–	–	–	120	–	120	37,459	1,560	1	22	77	7	15	1,438	–	–	–
비 금 속	27	3,509	5	5	–	3,504	–	3,504	1,038	850	–	16	76	9	16	732	–	–	–
1 차 금 속	28	14,476	723	13	709	13,754	13,754	–	588	542	–	4	5	3	0	529	–	–	–
비 철 금 속	29	–	–	–	–	–	–	–	155	122	–	8	5	3	13	94	–	–	–
조 립 금 속	30	–	–	–	–	–	–	–	914	843	43	45	98	24	19	612	2	–	–
기 타 제 조	31	3,176	1,904	63	1,841	1,272	–	1,272	718	448	6	117	96	11	13	205	–	–	–
기 타 에 너 지	32	–	–	–	–	–	–	–	812	118	19	6	4	1	–	87	–	–	–
건 설 업	33	–	–	–	–	–	–	–	2,458	563	9	31	374	30	4	116	–	–	–
수 송 부 문	34	–	–	–	–	–	–	–	34,160	29,593	7,335	15	16,389	114	33	3,417	2,290	–	–
철 도 운 수	35	–	–	–	–	–	–	–	298	298	–	–	297	–	–	1	–	–	–
육 상 운 수	36	–	–	–	–	–	–	–	27,442	22,877	7,335	12	15,522	1	1	6	–	–	–
수 상 운 수	37	–	–	–	–	–	–	–	4,120	4,119	–	1	562	113	32	3,411	–	–	–
항 공 운 수	38	–	–	–	–	–	–	–	2,300	2,299	–	2	8	–	–	–	2,290	–	–
가 정 부 문	39	775	775	766	9	–	–	–	7,736	5,277	3	3,464	1,133	6	12	659	–	–	–
상 업 부 분	40	–	–	–	–	–	–	–	2,037	1,840	4	1,516	108	11	31	169	2	–	–
공 공 부 문	41	–	–	–	–	–	–	–	1,343	1,324	64	77	504	4	3	31	641	–	–

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
											천연가스	도시가스	수 력	원자력	전 력	열	신재생	합 계	
LPG			비에너지																
	프로판	부 탄		나프타	용 제	아스팔트	윤활기유	파라핀 왁스	석유 코크	기타제품									
	Propane	Butane	Non-Energy Use	Naphtha	Solvent	Asphalt	Lubricant	Paraffin-Wax	Petroleum Coke	Other Products	L N G	Town Gas	Hydro	Nuclear	Electricity	Heat	Renewable Energy	Total	
1,000 toe																			
–	–	–	–	–	–	–	–	–	–	–	–	–	1,465	32,679	–	–	3,977	39,557	Domestic Production
8,880	4,182	4,699	46,138	38,055	495	3,073	1,972	18	228	2,295	28,799	–	–	–	–	–	–	226,558	Imports
4,064	1,012	3,052	29,407	21,347	495	3,051	1,972	18	228	2,295	–	–	–	–	–	–	–	123,714	(Petroleum Products)
4,816	3,170	1,647	16,730	16,708	–	22	–	–	–	–	–	–	–	–	–	–	–	23,905	(Petroleum Imports)
–99	–49	–49	–6,650	–3,963	–4	–1,228	–1,225	–	–54	–176	–	–	–	–	–	–	–	–33,644	Exports
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–8,929	Int'l Bunkers
–95	–63	–31	–697	–648	–5	5	–56	–	4	3	–701	–	–	–	–	–	–	–1,539	Stock Change(+/–)
547	318	229	917	748	22	73	52	2	10	11	1,382	–	–	–	–	–	–	11,570	Former Stock
–642	–381	–261	–1,614	–1,396	–27	–68	–107	–2	–6	–8	–2,083	–	–	–	–	–	–	–13,109	Ending Stock
466	–388	854	–1,405	–11	22	5	–43	–	–37	–1,341	253	–	–	–	–	–	–	–1,764	Statistical Difference
9,153	3,681	5,472	37,385	33,433	508	1,855	648	18	141	782	28,351	–	1,465	32,679	–	–	3,977	220,238	Primary Consumption
–92	–90	–2	–	–	–	–	–	–	–	–	–28,351	16,191	–1,465	–32,679	26,840	1,343	–49	–54,229	Transformation
–	–	–	–	–	–	–	–	–	–	–	–10,715	–29	–1,465	–32,679	29,425	885	–49	–50,243	Electric Generation
–	–	–	–	–	–	–	–	–	–	–	–749	–236	–	–	–	469	–	–865	District Heating
–92	–90	–2	–	–	–	–	–	–	–	–	–16,255	16,128	–	–	–	–	–	–221	Gas Manufacturing
–	–	–	–	–	–	–	–	–	–	–	–632	327	–	–	–2,585	–10	–	–2,901	Own Use & Loss
9,061	3,591	5,470	37,385	33,433	508	1,855	648	18	141	782	–	16,191	–	–	26,840	1,343	3,928	166,009	Final Consumption
2,019	1,203	816	37,185	33,433	508	1,855	648	18	107	616	–	4,382	–	–	13,617	–	3,337	92,992	Industry
5	5	–	1	–	–	–	–	–	–	1	–	25	–	–	560	–	–	3,529	Agri, Fishery
4	4	–	–	–	–	–	–	–	–	–	–	–	–	–	109	–	–	175	Mining
1,972	1,157	815	35,326	33,433	508	–	648	18	107	612	–	4,357	–	–	12,948	–	3,337	86,830	Manufacturing
23	22	1	46	–	–	–	–	–	–	46	–	271	–	–	626	–	–	1,646	Food Tobacco
6	4	1	13	–	–	–	–	–	–	13	–	420	–	–	1,191	–	–	2,934	Textile & Apparel
1	1	–	1	–	–	–	–	–	–	1	–	36	–	–	126	–	–	225	Wood & Wood Pro.
8	8	–	–	–	–	–	–	–	–	–	–	66	–	–	830	–	–	1,983	Pulp & Publications
1,485	897	588	34,414	33,433	508	–	1	–	–	473	–	437	–	–	2,832	–	–	40,848	Petro. Chemical
65	62	3	123	–	–	–	–	–	107	16	–	337	–	–	870	–	–	5,754	Non-Metallic
38	13	25	7	–	–	–	–	–	–	7	–	885	–	–	2,265	–	–	18,214	Iron & Steel
29	28	–	4	–	–	–	–	–	–	4	–	–	–	–	–	–	–	155	Non-ferrous
63	57	6	7	–	–	–	–	–	–	7	–	887	–	–	4,030	–	–	5,831	Fabricated Metal
253	63	190	17	–	–	–	–	–	–	17	–	1,017	–	–	178	–	3,337	8,427	Other Manufacturing
1	1	–	693	–	–	–	647	18	–	29	–	–	–	–	–	–	–	812	Other Energy
37	37	–	1,857	–	–	1,855	–	–	–	2	–	–	–	–	–	–	–	2,459	Construction
4,566	9	4,558	–	–	–	–	–	–	–	–	–	237	–	–	213	–	5	34,615	Transportation
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	213	–	–	511	Rail
4,565	8	4,558	–	–	–	–	–	–	–	–	–	237	–	–	–	–	5	27,684	Land
1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4,120	Water
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2,300	Air
2,340	2,278	62	119	–	–	–	–	–	–	119	–	8,636	–	–	4,181	1,204	256	22,788	Residential
121	89	32	75	–	–	–	–	–	34	41	–	2,657	–	–	7,172	108	47	12,019	Commercial
14	12	2	5	–	–	–	–	–	–	5	–	279	–	–	1,658	31	283	3,595	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		석 탄							석 유										
			무연탄			유연탄				에너지유									
				국내탄	수입탄		원료탄	연료탄			휘발유	등 유	경 유	경질중유	중 유	중질중유	JA-1	JP-4	AVI-G
		Total of Coal	Anthracite	Domestic	Import	Bituminous	Coking	Steam	Total of Petroleum	Energy Use	Gasoline	Kerosene	Diesel	B - A	B - B	B - C			
		1,000 toe																	
국 내 생 산	1	1,274	1,274	1,274	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
수 입	2	48,498	2,740	–	2,740	45,758	11,204	34,554	150,798	95,479	9,752	6,038	34,061	612	111	33,108	11,797	–	–
(석 유 생 산)	3	–	–	–	–	–	–	–	129,130	94,506	9,741	5,988	33,782	612	111	32,475	11,797	–	–
(석 유 수 입)	4	–	–	–	–	–	–	–	21,669	973	10	50	280	–	–	633	–	–	–
수 출	5	–	–	–	–	–	–	–	–37,886	–31,461	–1,915	–616	–12,563	–	–	–8,824	–7,543	–	–
국 제 벙 커 링	6	–	–	–	–	–	–	–	–8,555	–8,555	–	–	–805	–49	–	–6,707	–995	–	–
재 고 증 감	7	696	696	622	74	–	–	–	1,316	1,074	12	224	224	6	1	375	233	–	–
연 초 재 고	8	4,103	4,103	3,700	403	–	–	–	7,119	4,667	427	615	1,309	46	4	1,802	464	–	–
연 말 재 고	9	–3,407	–3,407	–3,078	–329	–	–	–	–5,803	–3,593	–415	–391	–1,085	–40	–3	–1,428	–231	–	–
통 계 오 차	10	4,320	58	59	–2	4,262	2,531	1,731	–4,147	–3,121	11	–198	–71	–217	165	–2,785	–26	–	–
1 차 에 너 지 소 비	11	54,788	4,768	1,956	2,812	50,020	13,735	36,285	101,526	53,416	7,859	5,448	20,847	353	277	15,166	3,466	–	–
에 너 지 전 환	12	–32,477	–895	–895	–	–31,582	–	–31,582	–4,808	–4,672	–	–111	–20	–	–	–4,541	–	–	–
발 전	13	–32,477	–895	–895	–	–31,582	–	–31,582	–4,290	–4,289	–	–94	–19	–	–	–4,176	–	–	–
지 역 난 방	14	–	–	–	–	–	–	–	–382	–382	–	–17	–	–	–	–366	–	–	–
가 스 제 조	15	–	–	–	–	–	–	–	–136	–1	–	–	–	–	–	–	–	–	–
자 가 소 비 및 손 실	16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
최 종 에 너 지 소 비	17	22,311	3,874	1,062	2,812	18,438	13,735	4,703	96,718	48,744	7,859	5,338	20,827	353	277	10,625	3,466	–	–
산 업 부 문	18	21,237	2,800	18	2,781	18,438	13,735	4,703	50,905	10,479	272	758	2,806	199	184	6,259	2	–	–
농 림 어 업	19	–	–	–	–	–	–	–	2,755	2,749	196	416	1,898	73	70	96	–	–	–
광 업	20	–	–	–	–	–	–	–	68	60	–	3	28	13	1	15	–	–	–
제 조 업	21	21,237	2,800	18	2,782	18,438	13,735	4,703	45,767	7,062	62	301	496	79	98	6,024	2	–	–
음 식. 담 배	22	33	–	–	–	33	–	33	686	625	1	19	19	6	11	570	–	–	–
섬 유. 의 복	23	104	–	–	–	104	–	104	998	992	1	26	17	4	17	928	–	–	–
목 재. 나 무	24	–	–	–	–	–	–	–	50	49	–	3	8	1	1	37	–	–	–
펄 프. 인 쇄	25	–	–	–	–	–	–	–	975	967	–	12	8	17	7	923	–	–	–
석 유. 화 학	26	119	–	–	–	119	–	119	38,997	1,774	8	36	146	5	13	1,566	–	–	–
비 금 속	27	3,176	3	3	–	3,173	–	3,173	1,017	834	–	12	69	6	15	732	–	–	–
1 차 금 속	28	14,463	728	14	714	13,735	13,735	–	603	539	–	4	4	2	1	528	–	–	–
비 철 금 속	29	–	–	–	–	–	–	–	130	110	–	7	5	2	5	92	–	–	–
조 립 금 속	30	–	–	–	–	–	–	–	667	596	44	45	107	26	16	356	2	–	–
기 타 제 조	31	3,343	2,068	–	2,068	1,275	–	1,275	741	453	6	133	107	11	13	182	–	–	–
기 타 에 너 지	32	–	–	–	–	–	–	–	903	123	1	4	6	1	–	111	–	–	–
건 설 업	33	–	–	–	–	–	–	–	2,315	608	13	38	386	33	15	123	–	–	–
수 송 부 문	34	–	–	–	–	–	–	–	34,982	30,278	7,512	12	16,301	130	36	3,476	2,810	–	–
철 도 운 수	35	–	–	–	–	–	–	–	281	281	–	–	280	–	–	1	–	–	–
육 상 운 수	36	–	–	–	–	–	–	–	27,791	23,087	7,512	10	15,537	5	–	22	–	–	–
수 상 운 수	37	–	–	–	–	–	–	–	4,092	4,091	–	1	478	124	36	3,453	–	–	–
항 공 운 수	38	–	–	–	–	–	–	–	2,819	2,819	–	1	6	–	–	–	2,810	–	–
가 정 부 문	39	1,074	1,074	1,044	31	–	–	–	6,124	4,929	4	3,178	1,073	6	12	657	–	–	–
상 업 부 분	40	–	–	–	–	–	–	–	3,313	1,686	6	1,299	125	14	38	202	2	–	–
공 공 부 문	41	–	–	–	–	–	–	–	1,393	1,372	66	91	521	4	7	32	651	–	–

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
											천연가스	도시가스	수 력	원자력	전 력	열	신재생	합 계	
LPG			비에너지																
	프로판	부 탄		나프타	용 제	아스팔트	윤활기유	파라핀 왁스	석유 코크	기타제품									
	Propane	Butane	Non-Energy Use	Naphtha	Solvent	Asphalt	Lubricant	Paraffin-Wax	Petroleum Coke	Other Products	L N G	Town Gas	Hydro	Nuclear	Electricity	Heat	Renewable Energy	Total	
1,000 toe																			
–	–	–	–	–	–	–	–	–	–	–	518	–	1,297	36,695	–	–	3,961	43,745	Domestic Production
8,940	4,137	4,803	46,380	38,113	556	3,156	2,117	15	242	2,181	29,044	–	–	–	–	–	–	228,340	Imports
3,925	989	2,936	30,698	22,432	556	3,156	2,117	15	242	2,181	–	–	–	–	–	–	–	129,130	(Petroleum Products)
5,015	3,147	1,868	15,681	15,681	–	–	–	–	–	–	–	–	–	–	–	–	–	21,669	(Petroleum Imports)
–74	–29	–45	–6,351	–3,281	–	–1,460	–1,401	–	–49	–161	–	–	–	–	–	–	–	–37,886	Exports
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–8,555	Int'l Bunkers
122	74	48	120	128	–9	–31	34	–	–3	1	134	–	–	–	–	–	–	2,147	Stock Change(+/–)
637	376	261	1,816	1,597	27	68	107	2	6	8	1,381	–	–	–	–	–	–	12,604	Former Stock
–515	–302	–213	–1,696	–1,469	–36	–99	–73	–2	–9	–7	–1,247	–	–	–	–	–	–	–10,457	Ending Stock
496	–329	825	–1,523	–207	24	1	–8	–	–37	–1,296	659	–	–	–	–	–	–	831	Statistical Difference
9,484	3,853	5,631	38,626	34,754	571	1,667	742	15	153	724	30,355	–	1,297	36,695	–	–	3,961	228,622	Primary Consumption
–136	–132	–4	–	–	–	–	–	–	–	–	–30,355	17,811	–1,297	–36,695	28,588	1,530	–65	–57,768	Transformation
–	–	–	–	–	–	–	–	–	–	–	–10,866	–272	–1,297	–36,695	31,336	841	–65	–53,784	Electric Generation
–	–	–	–	–	–	–	–	–	–	–	–890	–77	–	–	–	667	–	–682	District Heating
–135	–131	–4	–	–	–	–	–	–	–	–	–18,300	18,532	–	–	–	–	–	96	Gas Manufacturing
–	–	–	–	–	–	–	–	–	–	–	–298	–373	–	–	–2,748	22	–	–3,397	Own Use & Loss
9,348	3,721	5,627	38,626	34,754	571	1,667	742	15	153	724	–	17,811	–	–	28,588	1,530	3,896	170,854	Final Consumption
2,084	1,226	858	38,342	34,754	571	1,667	742	15	125	468	–	4,656	–	–	14,346	–	3,222	94,366	Industry
7	6	–	–	–	–	–	–	–	–	–	–	27	–	–	603	–	–	3,385	Agri. Fishery
8	8	–	–	–	–	–	–	–	–	–	–	–	–	–	113	–	–	181	Mining
2,030	1,172	858	36,675	34,754	571	–	742	15	125	468	–	4,628	–	–	13,630	–	3,222	88,485	Manufacturing
23	23	–	37	–	–	–	–	–	–	37	–	262	–	–	643	–	–	1,624	Food Tobacco
5	4	1	2	–	–	–	–	–	–	2	–	398	–	–	1,120	–	–	2,619	Textile & Apparel
–	–	–	–	–	–	–	–	–	–	–	–	9	–	–	129	–	–	187	Wood & Wood Pro.
8	8	–	–	–	–	–	–	–	–	–	–	75	–	–	833	–	–	1,883	Pulp & Publications
1,495	891	604	35,727	34,754	571	–	1	13	–	389	–	450	–	–	2,923	–	–	42,490	Petro. Chemical
67	67	–	115	–	–	–	–	–	115	–	–	356	–	–	845	–	–	5,394	Non-Metallic
64	42	22	–	–	–	–	–	–	–	–	–	972	–	–	2,419	–	–	18,457	Iron & Steel
20	19	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	130	Non-ferrous
70	65	5	2	–	–	–	–	–	–	2	–	948	–	–	4,535	–	–	6,150	Fabricated Metal
277	51	226	11	–	–	–	–	–	9	2	–	1,157	–	–	184	–	3,222	8,646	Other Manufacturing
–	–	–	780	–	–	–	741	2	–	37	–	–	–	–	–	–	–	903	Other Energy
40	40	–	1,667	–	–	1,667	–	–	–	–	–	–	–	–	–	–	–	2,315	Construction
4,704	2	4,703	–	–	–	–	–	–	–	–	–	339	–	–	224	–	13	35,559	Transportation
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	224	–	–	505	Rail
4,704	1	4,703	–	–	–	–	–	–	–	–	–	339	–	–	–	–	13	28,144	Land
1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4,092	Water
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2,819	Air
1,189	1,108	81	7	–	–	–	–	–	–	7	–	9,524	–	–	4,375	1,358	89	22,544	Residential
1,350	1,364	–14	277	–	–	–	–	–	28	249	–	2,979	–	–	7,858	133	34	14,317	Commercial
21	21	–	–	–	–	–	–	–	–	–	–	313	–	–	1,785	39	538	4,068	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		석 탄							석 유										
			무연탄			유연탄				에너지유									
				국내탄	수입탄		원료탄	연료탄			휘발유	등 유	경 유	경질중유	중 유	중질중유	JA-1	JP-4	AVI-G
		Total of Coal	Anthracite	Domestic	Import	Bituminous	Coking	Steam	Total of Petroleum	Energy Use	Gasoline	Kerosene	Diesel	B - A	B - B	B - C			
		1,000 toe																	
국 내 생 산	1	1,271	1,271	1,271	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
수 입	2	49,854	3,068	–	3,068	46,786	10,868	35,919	156,060	98,399	10,514	5,622	35,093	541	101	33,343	13,184	–	–
(석 유 생 산)	3	–	–	–	–	–	–	–	132,780	96,756	10,514	5,586	34,862	541	101	31,968	13,184	–	–
(석 유 수 입)	4	–	–	–	–	–	–	–	23,279	1,643	–	36	231	–	–	1,375	–	–	–
수 출	5	–	–	–	–	–	–	–	–41,574	–34,476	–2,630	–659	–13,386	–	–	–9,171	–8,631	–	–
국 제 벙 커 링	6	–	–	–	–	–	–	–	–8,270	–8,270	–	–	–730	–55	–	–6,422	–1,064	–	–
재 고 증 감	7	836	836	800	36	–	–	–	–618	–694	–10	–264	–132	–4	–1	–205	–77	–	–
연 초 재 고	8	3,407	3,407	3,078	329	–	–	–	5,815	3,604	415	391	1,090	40	3	1,435	231	–	–
연 말 재 고	9	–2,571	–2,571	–2,278	–293	–	–	–	–6,432	–4,298	–425	–655	–1,222	–45	–4	–1,640	–308	–	–
통 계 오 차	10	4,726	34	–2	36	4,693	2,815	1,878	–3,767	–3,159	27	–350	–12	–129	150	–2,922	77	–	–
1 차 에 너 지 소 비	11	56,687	5,208	2,068	3,140	51,479	13,682	37,796	101,831	51,800	7,901	4,350	20,833	352	250	14,624	3,490	–	–
에 너 지 전 환	12	–34,027	–895	–895	–	–33,131	–	–33,131	–4,793	–4,712	–	–149	–29	–	–	–4,533	–	–	–
발 전	13	–34,027	–895	–895	–	–33,131	–	–33,131	–4,256	–4,255	–	–132	–29	–	–	–4,094	–	–	–
지 역 난 방	14	–	–	–	–	–	–	–	–457	–457	–	–17	–	–	–	–439	–	–	–
가 스 제 조	15	–	–	–	–	–	–	–	–81	–	–	–	–	–	–	–	–	–	–
자 가 소 비 및 손 실	16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
최 종 에 너 지 소 비	17	22,660	4,313	1,173	3,140	18,347	13,682	4,665	97,037	47,088	7,900	4,201	20,804	352	250	10,091	3,490	–	–
산 업 부 문	18	21,434	3,086	8	3,078	18,347	13,682	4,665	52,474	9,881	250	652	3,003	163	174	5,638	2	–	–
농 림 어 업	19	–	–	–	–	–	–	–	2,601	2,586	191	339	1,831	59	74	92	–	–	–
광 업	20	–	–	–	–	–	–	–	89	81	–	5	44	11	3	18	–	–	–
제 조 업	21	21,434	3,086	8	3,078	18,347	13,682	4,665	47,157	6,333	47	268	464	62	86	5,405	2	–	–
음 식. 담 배	22	31	–	–	–	31	–	31	627	560	–	18	15	6	13	507	–	–	–
섬 유. 의 복	23	104	–	–	–	104	–	104	759	741	–	24	12	4	16	684	–	–	–
목 재. 나 무	24	–	–	–	–	–	–	–	40	38	–	2	8	2	1	25	–	–	–
펄 프. 인 쇄	25	–	–	–	–	–	–	–	871	853	–	11	9	4	6	823	–	–	–
석 유. 화 학	26	118	–	–	–	118	–	118	40,837	1,670	–	18	85	5	9	1,553	–	–	–
비 금 속	27	3,127	–	–	–	3,127	–	3,127	1,032	828	1	6	76	7	12	727	–	–	–
1 차 금 속	28	15,507	1,825	8	1,816	13,682	13,682	–	542	467	–	3	3	1	–	459	–	–	–
비 철 금 속	29	–	–	–	–	–	–	–	135	114	–	6	4	2	4	97	–	–	–
조 립 금 속	30	–	–	–	–	–	–	–	604	509	38	40	120	20	12	278	2	–	–
기 타 제 조	31	2,548	1,262	–	1,262	1,286	–	1,286	983	464	6	137	130	11	12	168	–	–	–
기 타 에 너 지	32	–	–	–	–	–	–	–	727	89	–	2	3	–	–	84	–	–	–
건 설 업	33	–	–	–	–	–	–	–	2,627	880	12	39	663	31	11	124	–	–	–
수 송 부 문	34	–	–	–	–	–	–	–	35,780	30,935	7,574	9	16,393	162	37	3,738	3,021	–	–
철 도 운 수	35	–	–	–	–	–	–	–	256	256	–	–	255	–	–	1	–	–	–
육 상 운 수	36	–	–	–	–	–	–	–	28,059	23,215	7,574	8	15,620	2	–	11	–	–	–
수 상 운 수	37	–	–	–	–	–	–	–	4,437	4,436	–	–	513	160	37	3,726	–	–	–
항 공 운 수	38	–	–	–	–	–	–	–	3,028	3,028	–	1	5	–	1	–	3,021	–	–
가 정 부 문	39	1,226	1,226	1,165	62	–	–	–	4,657	3,632	1	2,487	711	8	7	418	–	–	–
상 업 부 분	40	–	–	–	–	–	–	–	2,857	1,411	11	962	125	13	30	267	2	–	–
공 공 부 문	41	–	–	–	–	–	–	–	1,270	1,229	65	91	571	6	2	29	465	–	–

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
											천연가스	도시가스	수 력	원자력	전 력	열	신재생	합 계	
LPG			비에너지																
	프로판	부 탄		나프타	용 제	아스팔트	윤활기유	파라핀 왁스	석유 코크	기타제품									
	Propane	Butane	Non-Energy Use	Naphtha	Solvent	Asphalt	Lubricant	Paraffin-Wax	Petroleum Coke	Other Products	L N G	Town Gas	Hydro	Nuclear	Electricity	Heat	Renewable Energy	Total	
1,000 toe																			
–	–	–	–	–	–	–	–	–	–	–	461	–	1,305	37,187	–	–	4,358	44,582	Domestic Production
9,268	4,105	5,163	48,393	39,432	660	3,380	2,376	15	250	2,280	32,788	–	–	–	–	–	–	238,702	Imports
3,781	997	2,784	32,244	23,284	660	3,380	2,376	15	250	2,279	–	–	–	–	–	–	–	132,780	(Petroleum Products)
5,487	3,108	2,380	16,149	16,148	–	–	–	–	–	1	–	–	–	–	–	–	–	23,279	(Petroleum Imports)
–78	–38	–40	–7,020	–3,560	–	–1,630	–1,560	–	–60	–210	–	–	–	–	–	–	–	–41,574	Exports
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–8,270	Int'l Bunkers
26	–12	38	50	114	22	32	–113	1	5	–12	–1,270	–	–	–	–	–	–	–1,052	Stock Change(+/–)
515	302	213	1,696	1,469	36	99	73	2	9	7	1,247	–	–	–	–	–	–	10,469	Former Stock
–488	–314	–174	–1,646	–1,355	–14	–66	–186	–1	–4	–19	–2,517	–	–	–	–	–	–	–11,520	Ending Stock
472	–300	773	–1,081	517	–62	–63	–153	–	–42	–1,277	25	–	–	–	–	–	–	984	Statistical Difference
9,689	3,754	5,935	40,342	36,503	620	1,719	550	16	153	781	32,004	–	1,305	37,187	–	–	4,358	233,372	Primary Consumption
–81	–81	–	–	–	–	–	–	–	–	–	–32,004	18,379	–1,305	–37,187	29,990	1,425	–266	–59,788	Transformation
–	–	–	–	–	–	–	–	–	–	–	–12,817	–20	–1,305	–37,187	32,782	843	–266	–56,254	Electric Generation
–	–	–	–	–	–	–	–	–	–	–	–805	–96	–	–	–	736	–	–621	District Heating
–81	–80	–	–	–	–	–	–	–	–	–	–18,144	17,947	–	–	–	–	–	–278	Gas Manufacturing
–	–	–	–	–	–	–	–	–	–	–	–238	549	–	–	–2,792	–154	–	–2,635	Own Use & Loss
9,608	3,674	5,934	40,342	36,503	620	1,719	550	16	153	781	–	18,379	–	–	29,990	1,425	4,092	173,584	Final Consumption
2,429	1,496	934	40,164	36,503	581	1,719	550	16	122	672	–	4,847	–	–	15,021	–	3,459	97,235	Industry
11	11	–	3	–	–	–	–	–	–	3	–	28	–	–	627	–	–	3,256	Agri, Fishery
3	3	–	5	–	2	–	–	–	–	3	–	–	–	–	120	–	–	209	Mining
2,392	1,459	933	38,432	36,503	577	–	550	16	122	663	–	4,819	–	–	14,274	–	3,459	91,143	Manufacturing
20	20	–	47	–	–	–	–	–	–	47	–	253	–	–	657	–	–	1,567	Food Tobacco
5	4	–	14	–	2	–	–	–	–	12	–	386	–	–	1,053	–	–	2,302	Textile & Apparel
–	–	–	1	–	1	–	–	–	–	–	–	16	–	–	129	–	–	185	Wood & Wood Pro.
7	7	–	11	–	9	–	–	–	–	2	–	92	–	–	841	–	–	1,803	Pulp & Publications
1,755	948	807	37,412	36,503	415	–	–	12	–	482	–	398	–	–	3,005	–	–	44,358	Petro. Chemical
57	57	–	147	–	1	–	–	–	122	24	–	513	–	–	887	–	–	5,559	Non-Metallic
68	62	7	7	–	–	–	–	–	–	7	–	1,032	–	–	2,551	–	–	19,631	Iron & Steel
17	17	–	4	–	1	–	–	–	–	4	–	–	–	–	–	–	–	135	Non-ferrous
73	67	5	23	–	4	–	–	–	–	18	–	947	–	–	4,962	–	–	6,513	Fabricated Metal
390	277	113	129	–	106	–	–	–	–	23	–	1,184	–	–	190	–	3,459	8,363	Other Manufacturing
–	–	–	638	–	39	–	550	5	–	44	–	–	–	–	–	–	–	727	Other Energy
23	22	1	1,724	–	2	1,719	–	–	–	3	–	–	–	–	–	–	–	2,627	Construction
4,844	1	4,844	1	–	–	–	–	–	–	1	–	475	–	–	218	–	53	36,527	Transportation
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	218	–	–	474	Rail
4,844	–	4,844	–	–	–	–	–	–	–	–	–	475	–	–	–	–	53	28,588	Land
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4,437	Water
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3,028	Air
1,004	945	59	21	–	11	–	–	–	–	9	–	9,685	–	–	4,517	1,272	79	21,435	Residential
1,306	1,208	98	140	–	26	–	–	–	31	83	–	3,173	–	–	8,366	119	37	14,551	Commercial
25	25	–	16	–	1	–	–	–	–	15	–	199	–	–	1,868	34	464	3,836	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		석 탄							석 유										
			무연탄			유연탄				에너지유									
				국내탄	수입탄		원료탄	연료탄			휘발유	등 유	경 유	경질중유	중 유	중질중유	JA-1	JP-4	AVI-G
		Total of Coal	Anthracite	Domestic	Import	Bituminous	Coking	Steam	Total of Petroleum	Energy Use	Gasoline	Kerosene	Diesel	B - A	B - B	B - C			
		1,000 toe																	
국 내 생 산	1	1,299	1,299	1,299	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
수 입	2	55,641	3,266	–	3,266	52,374	12,134	40,240	158,583	96,035	10,321	3,997	37,145	514	117	29,264	14,675	–	–
(석 유 생 산)	3	–	–	–	–	–	–	–	133,252	94,921	10,321	3,926	37,033	514	117	28,334	14,675	–	–
(석 유 수 입)	4	–	–	–	–	–	–	–	25,331	1,114	–	71	112	–	–	930	–	–	–
수 출	5	–	–	–	–	–	–	–	–41,911	–33,985	–2,024	–173	–15,061	–	–	–6,721	–10,007	–	–
국 제 벙 커 링	6	–	–	–	–	–	–	–	–7,742	–7,742	–	–	–627	–64	–	–5,876	–1,175	–	–
재 고 증 감	7	626	626	499	127	–	–	–	243	–43	–16	152	–257	11	–3	212	–141	–	–
연 초 재 고	8	2,571	2,571	2,278	293	–	–	–	6,465	4,323	425	655	1,234	45	4	1,653	308	–	–
연 말 재 고	9	–1,946	–1,946	–1,779	–167	–	–	–	–6,221	–4,366	–441	–502	–1,491	–34	–7	–1,441	–449	–	–
통 계 오 차	10	3,372	23	18	5	3,350	2,069	1,281	–3,756	–2,940	–34	–357	56	–129	126	–2,867	265	–	–
1 차 에 너 지 소 비	11	60,937	5,213	1,816	3,398	55,724	14,202	41,521	105,418	51,325	8,247	3,620	21,256	331	241	14,012	3,616	–	–
에 너 지 전 환	12	–37,440	–819	–819	–	–36,621	–	–36,621	–4,869	–4,791	–	–116	–27	–	–	–4,647	–	–	–
발 전	13	–37,440	–819	–819	–	–36,621	–	–36,621	–4,415	–4,411	–	–106	–26	–	–	–4,278	–	–	–
지 역 난 방	14	–	–	–	–	–	–	–	–379	–379	–	–10	–	–	–	–369	–	–	–
가 스 제 조	15	–	–	–	–	–	–	–	–75	–1	–	–	–1	–	–	–	–	–	–
자 가 소 비 및 손 실	16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
최 종 에 너 지 소 비	17	23,497	4,394	996	3,398	19,103	14,202	4,900	100,549	46,534	8,247	3,504	21,229	331	241	9,365	3,616	–	–
산 업 부 문	18	22,373	3,270	4	3,266	19,103	14,202	4,900	55,628	9,221	213	606	3,069	136	162	5,035	–	–	–
농 림 어 업	19	–	–	–	–	–	–	–	2,574	2,569	170	326	1,877	46	70	81	–	–	–
광 업	20	–	–	–	–	–	–	–	78	72	–	7	42	6	3	14	–	–	–
제 조 업	21	19,103	–	–	–	19,103	14,202	4,900	50,411	5,768	31	241	474	61	76	4,886	–	–	–
음 식. 담 배	22	33	–	–	–	33	–	33	528	458	–	16	12	4	11	415	–	–	–
섬 유. 의 복	23	126	–	–	–	126	–	126	679	659	1	18	13	4	15	608	–	–	–
목 재. 나 무	24	–	–	–	–	–	–	–	35	34	1	3	9	1	1	21	–	–	–
펄 프. 인 쇄	25	–	–	–	–	–	–	–	763	747	0	9	8	1	6	723	–	–	–
석 유. 화 학	26	122	–	–	–	122	–	122	44,463	1,545	1	15	78	2	7	1,442	–	–	–
비 금 속	27	3,334	–	–	–	3,334	–	3,334	1,005	796	1	5	87	6	11	686	–	–	–
1 차 금 속	28	14,202	–	–	–	14,202	14,202	–	491	423	0	2	3	0	0	418	–	–	–
비 철 금 속	29	–	–	–	–	–	–	–	119	94	0	6	4	2	4	79	–	–	–
조 립 금 속	30	–	–	–	–	–	–	–	583	492	22	35	137	31	12	254	–	–	–
기 타 제 조	31	1,286	–	–	–	1,286	–	1,286	1,002	439	6	132	119	10	10	163	–	–	–
기 타 에 너 지	32	–	–	–	–	–	–	–	742	81	–	0	4	0	0	77	–	–	–
건 설 업	33	–	–	–	–	–	–	–	2,564	812	12	32	677	24	13	55	–	–	–
수 송 부 문	34	–	–	–	–	–	–	–	36,670	31,518	7,974	7	16,696	169	40	3,461	3,171	–	–
철 도 운 수	35	–	–	–	–	–	–	–	235	235	–	0	234	–	–	–	–	–	–
육 상 운 수	36	–	–	–	–	–	–	–	29,010	23,858	7,974	5	15,867	2	0	9	–	–	–
수 상 운 수	37	–	–	–	–	–	–	–	4,247	4,246	0	0	589	167	39	3,451	–	–	–
항 공 운 수	38	–	–	–	–	–	–	–	3,179	3,178	–	1	5	1	1	–	3,171	–	–
가 정 부 문	39	1,124	1,124	993	131	–	–	–	4,296	3,225	2	2,038	751	6	8	420	–	–	–
상 업 부 분	40	–	–	–	–	–	–	–	2,684	1,350	12	779	141	12	30	375	1	–	–
공 공 부 문	41	–	–	–	–	–	–	–	1,271	1,221	46	74	572	9	2	74	444	–	–

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
											천연가스	도시가스	수 력	원자력	전 력	열	신재생	합 계	
LPG			비에너지																
	프로판	부 탄		나프타	용 제	아스팔트	윤활기유	파라핀 왁스	석유 코크	기타제품									
	Propane	Butane	Non-Energy Use	Naphtha	Solvent	Asphalt	Lubricant	Paraffin-Wax	Petroleum Coke	Other Products	L N G	Town Gas	Hydro	Nuclear	Electricity	Heat	Renewable Energy	Total	
1,000 toe																			
–	–	–	–	–	–	–	–	–	–	–	353	–	1,261	35,734	–	–	4,856	43,503	Domestic Production
9,503	4,106	5,397	53,045	43,310	636	3,892	2,586	21	263	2,337	33,239	–	–	–	–	–	–	247,462	Imports
3,571	937	2,633	34,760	25,025	636	3,892	2,586	21	263	2,337	–	–	–	–	–	–	–	133,252	(Petroleum Products)
5,932	3,169	2,764	18,285	18,285	–	–	–	–	–	–	–	–	–	–	–	–	–	25,331	(Petroleum Imports)
-54	-32	-22	-7,871	-3,742	–	-2,068	-1,855	–	-48	-158	–	–	–	–	–	–	–	-41,911	Exports
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	-7,742	Int'l Bunkers
189	139	50	97	130	-5	-21	-7	–	-2	2	1,088	–	–	–	–	–	–	1,957	Stock Change(+/-)
498	324	174	1,643	1,355	14	66	186	1	4	16	2,517	–	–	–	–	–	–	11,553	Former Stock
-309	-185	-124	-1,547	-1,225	-19	-88	-193	-1	-6	-14	-1,429	–	–	–	–	–	–	-9,596	Ending Stock
446	-420	866	-1,263	603	-126	-72	-172	–	-54	-1,442	-17	–	–	–	–	–	–	-401	Statistical Difference
10,085	3,793	6,292	44,008	40,300	506	1,731	552	21	159	739	34,663	–	1,261	35,734	–	–	4,856	242,869	Primary Consumption
-74	-74	-1	-4	–	–	–	–	–	–	-4	-34,663	18,865	-1,261	-35,734	31,700	1,438	-362	-62,326	Transformation
–	–	–	-4	–	–	–	–	–	–	-4	-14,684	-27	-1,261	-35,734	34,669	852	-362	-58,403	Electric Generation
–	–	–	–	–	–	–	–	–	–	–	-821	-208	–	–	–	752	–	-655	District Heating
-74	-73	-1	–	–	–	–	–	–	–	–	-18,975	18,675	–	–	–	–	–	-375	Gas Manufacturing
–	–	–	–	–	–	–	–	–	–	–	-183	425	–	–	-2,969	-166	–	-2,893	Own Use & Loss
10,010	3,719	6,291	44,005	40,300	506	1,731	552	21	159	736	–	18,865	–	–	31,700	1,438	4,494	180,543	Final Consumption
2,567	1,573	994	43,839	40,300	471	1,731	552	21	131	634	–	5,200	–	–	16,018	–	3,699	102,917	Industry
2	2	–	3	–	–	–	–	–	–	3	–	2	–	–	670	–	–	3,246	Agri. Fishery
3	3	–	3	–	1	–	–	–	–	2	–	–	–	–	128	–	–	206	Mining
2,545	1,551	994	42,098	40,300	468	–	552	21	131	626	–	5,198	–	–	15,220	–	–	89,932	Manufacturing
20	20	–	50	–	–	–	–	–	–	50	–	410	–	–	673	–	–	1,644	Food Tobacco
4	4	–	16	–	2	–	–	–	–	14	–	319	–	–	1,033	–	–	2,158	Textile & Apparel
1	1	–	1	–	1	–	–	–	–	–	–	39	–	–	134	–	–	208	Wood & Wood Pro.
7	7	–	9	–	5	–	–	–	–	4	–	128	–	–	843	–	–	1,734	Pulp & Publications
1,842	975	866	41,076	40,300	341	–	–	19	–	416	–	756	–	–	3,145	–	–	48,486	Petro. Chemical
53	53	–	156	–	–	–	–	–	131	25	–	468	–	–	955	–	–	5,762	Non-Metallic
62	44	17	6	–	–	–	–	–	–	6	–	1,213	–	–	2,824	–	–	18,730	Iron & Steel
19	19	–	5	–	1	–	–	–	–	4	–	166	–	–	–	–	–	285	Non-ferrous
71	64	7	20	–	3	–	–	–	–	18	–	1,112	–	–	5,417	–	–	7,111	Fabricated Metal
466	363	103	97	–	73	–	–	–	–	24	–	587	–	–	197	–	–	3,071	Other Manufacturing
–	–	–	661	–	42	–	552	2	–	65	–	–	–	–	–	–	–	742	Other Energy
17	17	–	1,736	–	2	1,731	–	–	–	3	–	–	–	–	–	–	–	2,564	Construction
5,152	1	5,151	1	–	–	–	–	–	–	1	–	612	–	–	209	–	97	37,589	Transportation
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	209	–	–	444	Rail
5,152	–	5,151	–	–	–	–	–	–	–	–	–	612	–	–	–	–	97	29,719	Land
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4,247	Water
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3,179	Air
1,047	996	50	24	–	12	–	–	–	–	12	–	9,677	–	–	4,659	1,285	69	21,109	Residential
1,212	1,117	95	122	–	21	–	–	–	28	73	–	3,093	–	–	8,854	116	40	14,787	Commercial
32	32	–	19	–	2	–	–	–	–	17	–	283	–	–	1,960	37	589	4,141	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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※ 제5차 에너지열량환산 기준 적용

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		석 탄							석 유										
			무연탄			유연탄				에너지유									
				국내탄	수입탄		원료탄	연료탄			휘발유	등 유	경 유	경질중유	중 유	중질중유	JA-1	JP-4	AVI-G
		Total of Coal	Anthracite	Domestic	Import	Bituminous	Coking	Steam	Total of Petroleum	Energy Use	Gasoline	Kerosene	Diesel	B - A	B - B	B - C			
		1,000 toe																	
국 내 생 산	1	1,342	1,342	1,342	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
수 입	2	54,237	3,566	–	3,566	50,671	12,869	37,802	159,298	95,180	9,948	4,043	36,540	509	117	29,264	14,759	–	–
(석 유 생 산)	3	–	–	–	–	–	–	–	133,828	94,068	9,948	3,971	36,430	509	117	28,334	14,759	–	–
(석 유 수 입)	4	–	–	–	–	–	–	–	25,469	1,113	–	72	110	–	–	930	–	–	–
수 출	5	–	–	–	–	–	–	–	–41,709	–33,726	–1,951	–175	–14,816	–	–	–6,721	–10,065	–	–
국 제 벙 커 링	6	–	–	–	–	–	–	–	–7,738	–7,738	–	–	–617	–63	–	–5,876	–1,182	–	–
재 고 증 감	7	654	654	516	138	–	–	–	253	–37	–15	154	–253	10	–3	212	–142	–	–
연 초 재 고	8	2,674	2,674	2,354	320	–	–	–	6,453	4,296	410	662	1,214	44	4	1,653	310	–	–
연 말 재 고	9	–2,020	–2,020	–1,838	–182	–	–	–	–6,200	–4,333	–425	–508	–1,467	–34	–7	–1,441	–452	–	–
통 계 오 차	10	3,421	24	19	5	3,397	2,194	1,203	–4,609	–2,941	–32	–361	55	–128	126	–2,867	266	–	–
1 차 에 너 지 소 비	11	59,654	5,585	1,876	3,709	54,068	15,063	39,005	105,494	50,738	7,949	3,662	20,909	328	240	14,012	3,637	–	–
에 너 지 전 환	12	–35,404	–1,003	–1,003	–	–34,402	–	–34,402	–4,872	–4,791	–	–118	–26	–	–	–4,647	–	–	–
발 전	13	–35,404	–1,003	–1,003	–	–34,402	–	–34,402	–4,418	–4,412	–	–108	–26	–	–	–4,278	–	–	–
지 역 난 방	14	–	–	–	–	–	–	–	–379	–379	–	–10	–	–	–	–369	–	–	–
가 스 제 조	15	–	–	–	–	–	–	–	–75	–1	–	–	–1	–	–	–	–	–	–
자 가 소 비 및 손 실	16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
최 종 에 너 지 소 비	17	24,249	4,583	874	3,709	19,666	15,063	4,603	100,622	45,946	7,949	3,544	20,883	328	240	9,365	3,637	–	–
산 업 부 문	18	23,235	3,569	3	3,566	19,666	15,063	4,603	56,150	9,168	205	613	3,019	135	161	5,035	–	–	–
농 림 어 업	19	–	–	–	–	–	–	–	2,542	2,536	164	330	1,846	45	70	81	–	–	–
광 업	20	–	–	–	–	–	–	–	79	71	–	7	41	6	3	14	–	–	–
제 조 업	21	19,666	–	–	–	19,666	15,063	4,603	50,992	5,761	30	244	466	60	75	4,886	–	–	–
음 식. 담 배	22	31	–	–	–	31	–	31	559	458	–	16	11	4	11	415	–	–	–
섬 유. 의 복	23	118	–	–	–	118	–	118	688	659	1	19	13	4	15	608	–	–	–
목 재. 나 무	24	–	–	–	–	–	–	–	35	33	–	3	8	1	1	21	–	–	–
펄 프. 인 쇄	25	–	–	–	–	–	–	–	765	747	–	9	8	1	6	723	–	–	–
석 유. 화 학	26	115	–	–	–	115	–	115	44,965	1,544	1	15	77	2	7	1,442	–	–	–
비 금 속	27	3,132	–	–	–	3,132	–	3,132	987	794	1	5	85	6	11	686	–	–	–
1 차 금 속	28	15,063	–	–	–	15,063	15,063	–	494	423	–	2	3	–	–	418	–	–	–
비 철 금 속	29	–	–	–	–	–	–	–	121	94	–	6	4	2	4	79	–	–	–
조 립 금 속	30	–	–	–	–	–	–	–	591	489	21	36	135	31	12	254	–	–	–
기 타 제 조	31	1,208	–	–	–	1,208	–	1,208	1,015	438	5	134	117	10	10	163	–	–	–
기 타 에 너 지	32	–	–	–	–	–	–	–	772	81	–	–	4	–	–	77	–	–	–
건 설 업	33	–	–	–	–	–	–	–	2,537	800	11	33	666	24	13	55	–	–	–
수 송 부 문	34	–	–	–	–	–	–	–	36,149	30,973	7,686	7	16,423	167	40	3,461	3,189	–	–
철 도 운 수	35	–	–	–	–	–	–	–	231	231	–	–	231	–	–	–	–	–	–
육 상 운 수	36	–	–	–	–	–	–	–	28,485	23,311	7,686	5	15,608	2	–	9	–	–	–
수 상 운 수	37	–	–	–	–	–	–	–	4,235	4,235	–	–	579	165	39	3,451	–	–	–
항 공 운 수	38	–	–	–	–	–	–	–	3,197	3,196	–	1	5	1	1	–	3,189	–	–
가 정 부 문	39	1,014	1,014	870	143	–	–	–	4,318	3,236	2	2,061	739	6	8	420	–	–	–
상 업 부 분	40	–	–	–	–	–	–	–	2,731	1,355	11	788	139	12	30	375	1	–	–
공 공 부 문	41	–	–	–	–	–	–	–	1,274	1,213	44	75	562	9	2	74	447	–	–

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

※ Based on the 5th Calorific Value

19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
											천연가스	도시가스	수 력	원자력	전 력	열	신재생	합 계	
LPG			비에너지																
	프로판	부 탄		나프타	용 제	아스팔트	윤활기유	파라핀 왁스	석유 코크	기타제품									
	Propane	Butane	Non-Energy Use	Naphtha	Solvent	Asphalt	Lubricant	Paraffin-Wax	Petroleum Coke	Other Products	L N G	Town Gas	Hydro	Nuclear	Electricity	Heat	Renewable Energy	Total	
1,000 toe																			
–	–	–	–	–	–	–	–	–	–	–	353	–	1,084	30,731	–	–	4,828	38,338	Domestic Production
9,543	4,123	5,420	54,574	43,580	616	3,854	2,545	21	197	3,761	33,239	–	–	–	–	–	–	246,773	Imports
3,586	941	2,644	36,175	25,181	616	3,854	2,545	21	197	3,761	–	–	–	–	–	–	–	133,828	(Petroleum Products)
5,957	3,182	2,775	18,399	18,399	–	–	–	–	–	–	–	–	–	–	–	–	–	25,469	(Petroleum Imports)
–54	–32	–22	–7,929	–3,766	–	–2,047	–1,825	–	–36	–254	–	–	–	–	–	–	–	–41,709	Exports
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–7,738	Int'l Bunkers
190	140	51	100	131	–4	–21	–7	–	–2	4	1,088	–	–	–	–	–	–	1,995	Stock Change(+/–)
500	325	175	1,657	1,364	14	66	183	1	3	27	2,517	–	–	–	–	–	–	11,645	Former Stock
–310	–186	–124	–1,557	–1,233	–18	–87	–190	–1	–5	–23	–1,429	–	–	–	–	–	–	–9,650	Ending Stock
448	–422	870	–2,116	606	–122	–71	–169	–	–41	–2,320	–17	–	–	–	–	–	–	–1,205	Statistical Difference
10,127	3,809	6,318	44,629	40,552	490	1,714	543	21	119	1,190	34,663	–	1,084	30,731	–	–	4,828	236,454	Primary Consumption
–75	–74	–1	–6	–	–	–	–	–	–	–6	–34,663	18,955	–1,084	–30,731	31,700	1,438	–337	–54,999	Transformation
–	–	–	–6	–	–	–	–	–	–	–6	–14,684	–27	–1,084	–30,731	34,669	852	–337	–51,166	Electric Generation
–	–	–	–	–	–	–	–	–	–	–	–821	–209	–	–	–	752	–	–656	District Heating
–75	–74	–1	–	–	–	–	–	–	–	–	–18,975	18,764	–	–	–	–	–	–286	Gas Manufacturing
–	–	–	–	–	–	–	–	–	–	–	–183	427	–	–	–2,969	–166	–	–2,891	Own Use & Loss
10,052	3,735	6,318	44,623	40,552	490	1,714	543	21	119	1,184	–	18,955	–	–	31,700	1,438	4,491	181,455	Final Consumption
2,578	1,580	998	44,404	40,552	456	1,714	543	21	98	1,020	–	5,225	–	–	16,018	–	3,699	104,327	Industry
2	2	–	4	–	–	–	–	–	–	4	–	2	–	–	670	–	–	3,214	Agri. Fishery
3	3	–	4	–	–	–	–	–	–	3	–	–	–	–	128	–	–	206	Mining
2,556	1,558	998	42,675	40,552	454	–	543	21	98	1,007	–	5,223	–	–	15,220	–	–	91,101	Manufacturing
20	20	–	81	–	–	–	–	–	–	81	–	412	–	–	673	–	–	1,674	Food Tobacco
4	4	–	25	–	2	–	–	–	–	23	–	320	–	–	1,033	–	–	2,160	Textile & Apparel
1	1	–	1	–	1	–	–	–	–	–	–	39	–	–	134	–	–	209	Wood & Wood Pro.
7	7	–	11	–	5	–	–	–	–	6	–	129	–	–	843	–	–	1,737	Pulp & Publications
1,849	979	870	41,572	40,552	330	–	–	19	–	670	–	760	–	–	3,145	–	–	48,984	Petro. Chemical
54	53	–	139	–	–	–	–	–	98	40	–	470	–	–	955	–	–	5,543	Non-Metallic
62	44	18	9	–	–	–	–	–	–	9	–	1,219	–	–	2,824	–	–	19,600	Iron & Steel
20	19	–	7	–	1	–	–	–	–	7	–	167	–	–	–	–	–	288	Non-ferrous
71	64	7	31	–	3	–	–	–	–	29	–	1,117	–	–	5,417	–	–	7,125	Fabricated Metal
468	365	103	109	–	71	–	–	–	–	38	–	589	–	–	197	–	–	3,009	Other Manufacturing
–	–	–	691	–	41	–	543	2	–	104	–	–	–	–	–	–	–	772	Other Energy
17	17	–	1,721	–	2	1,714	–	–	–	5	–	–	–	–	–	–	–	2,537	Construction
5,174	1	5,173	1	–	–	–	–	–	–	1	–	615	–	–	209	–	96	37,068	Transportation
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	209	–	–	441	Rail
5,173	–	5,173	–	–	–	–	–	–	–	–	–	615	–	–	–	–	96	29,195	Land
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4,235	Water
–	–	–	1	–	–	–	–	–	–	1	–	–	–	–	–	–	–	3,197	Air
1,051	1,000	51	31	–	11	–	–	–	–	19	–	9,723	–	–	4,659	1,285	69	21,067	Residential
1,217	1,122	95	159	–	21	–	–	–	21	117	–	3,108	–	–	8,854	116	39	14,849	Commercial
32	32	–	29	–	2	–	–	–	–	27	–	285	–	–	1,960	37	588	4,143	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		석 탄							석 유										
			무연탄			유연탄				에너지유									
				국내탄	수입탄		원료탄	연료탄			휘발유	등 유	경 유	경질중유	중 유	중질중유	JA-1	JP-4	AVI-G
		Total of Coal	Anthracite	Domestic	Import	Bituminous	Coking	Steam	Total of Petroleum	Energy Use	Gasoline	Kerosene	Diesel	B - A	B - B	B - C			
		1,000 toe																	
국 내 생 산	1	1,289	1,289	1,289	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
수 입	2	61,665	3,901	–	3,901	57,764	14,638	43,126	158,407	94,209	11,811	4,378	38,105	450	98	24,252	15,114	–	–
(석 유 생 산)	3	–	–	–	–	–	–	–	130,998	92,936	11,811	4,325	38,052	450	98	23,120	15,080	–	–
(석 유 수 입)	4	–	–	–	–	–	–	–	27,409	1,273	–	53	53	–	–	1,132	35	–	–
수 출	5	–	–	–	–	–	–	–	–47,472	–39,340	–3,931	–335	–18,839	–5	–	–5,536	–10,693	–	–
국 제 벙 커 링	6	–	–	–	–	–	–	–	–7,754	–7,754	–	–	–569	–70	–	–5,945	–1,170	–	–
재 고 증 감	7	697	697	593	103	–	–	–	633	621	88	171	234	–6	1	–14	147	–	–
연 초 재 고	8	2,020	2,020	1,838	182	–	–	–	6,200	4,333	425	508	1,467	34	7	1,441	452	–	–
연 말 재 고	9	–1,323	–1,323	–1,245	–79	–	–	–	–5,568	–3,712	–337	–337	–1,233	–39	–6	–1,454	–305	–	–
통 계 오 차	10	2,409	19	40	–21	2,391	1,859	531	–3,644	–2,031	37	–344	423	–77	107	–2,263	86	–	–
1 차 에 너 지 소 비	11	66,060	5,906	1,922	3,983	60,155	16,498	43,657	100,170	45,705	8,005	3,870	19,354	292	206	10,494	3,484	–	–
에 너 지 전 환	12	–39,842	–911	–911	–	–38,930	–	–38,930	–2,953	–2,734	–1	–95	–29	–1	–	–2,609	–	–	–
발 전	13	–39,842	–911	–911	–	–38,930	–	–38,930	–2,467	–2,462	–1	–89	–28	–1	–	–2,343	–	–	–
지 역 난 방	14	–	–	–	–	–	–	–	–271	–271	–	–5	–	–	–	–266	–	–	–
가 스 제 조	15	–	–	–	–	–	–	–	–215	–1	–	–	–1	–	–	–	–	–	–
자 가 소 비 및 손 실	16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
최 종 에 너 지 소 비	17	26,219	4,994	1,011	3,983	21,225	16,498	4,727	97,217	42,971	8,004	3,775	19,324	291	206	7,886	3,484	–	–
산 업 부 문	18	25,130	3,906	5	3,901	21,225	16,498	4,727	54,745	7,924	198	603	2,698	113	131	4,180	–	–	–
농 림 어 업	19	–	–	–	–	–	–	–	2,132	2,125	147	296	1,517	31	63	71	–	–	–
광 업	20	–	–	–	–	–	–	–	71	65	–	8	37	6	2	11	–	–	–
제 조 업	21	21,225	–	–	–	21,225	16,498	4,727	50,176	4,958	40	258	494	53	58	4,055	–	–	–
음 식. 담 배	22	29	–	–	–	29	–	29	395	305	1	17	9	2	9	267	–	–	–
섬 유. 의 복	23	87	–	–	–	87	–	87	526	500	1	20	20	2	9	448	–	–	–
목 재. 나 무	24	–	–	–	–	–	–	–	30	28	1	3	7	–	1	17	–	–	–
펄 프. 인 쇄	25	–	–	–	–	–	–	–	598	582	–	10	8	–	5	559	–	–	–
석 유. 화 학	26	112	–	–	–	112	–	112	44,609	1,289	1	17	80	1	6	1,184	–	–	–
비 금 속	27	3,246	–	–	–	3,246	–	3,246	923	754	1	6	95	3	10	639	–	–	–
1 차 금 속	28	16,498	–	–	–	16,498	16,498	–	435	372	–	–	3	–	–	368	–	–	–
비 철 금 속	29	–	–	–	–	–	–	–	103	80	–	–	5	1	2	72	–	–	–
조 립 금 속	30	–	–	–	–	–	–	–	631	537	31	37	153	35	8	272	–	–	–
기 타 제 조	31	1,254	–	–	–	1,254	–	1,254	1,059	448	6	146	111	7	7	171	–	–	–
기 타 에 너 지	32	–	–	–	–	–	–	–	866	63	–	1	3	–	–	59	–	–	–
건 설 업	33	–	–	–	–	–	–	–	2,366	776	11	40	650	23	8	43	–	–	–
수 송 부 문	34	–	–	–	–	–	–	–	34,642	29,448	7,745	7	15,375	139	39	3,076	3,066	–	–
철 도 운 수	35	–	–	–	–	–	–	–	228	227	–	–	227	–	–	–	–	–	–
육 상 운 수	36	–	–	–	–	–	–	–	27,578	22,388	7,745	7	14,621	2	–	13	–	–	–
수 상 운 수	37	–	–	–	–	–	–	–	3,762	3,759	–	–	521	137	38	3,062	–	–	–
항 공 운 수	38	–	–	–	–	–	–	–	3,074	3,074	–	–	5	–	1	1	3,066	–	–
가 정 부 문	39	1,088	1,088	1,006	83	–	–	–	4,167	3,166	4	2,203	589	7	6	358	–	–	–
상 업 부 분	40	–	–	–	–	–	–	–	2,487	1,313	21	872	118	23	29	251	–	–	–
공 공 부 문	41	–	–	–	–	–	–	–	1,175	1,120	36	90	544	9	2	21	418	–	–

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
											천연가스	도시가스	수 력	원자력	전 력	열	신재생	합 계	
LPG			비에너지																
	프로판	부 탄		나프타	용 제	아스팔트	윤활기유	파라핀 왁스	석유 코크	기타제품									
	Propane	Butane	Non-Energy Use	Naphtha	Solvent	Asphalt	Lubricant	Paraffin-Wax	Petroleum Coke	Other Products	L N G	Town Gas	Hydro	Nuclear	Electricity	Heat	Renewable Energy	Total	
1,000 toe																			
–	–	–	–	–	–	–	–	–	–	–	236	–	1,196	32,456	–	–	5,198	40,376	Domestic Production
10,125	4,223	5,902	54,074	41,866	496	4,094	3,093	18	181	4,326	35,436	–	–	–	–	–	–	255,509	Imports
3,619	1,199	2,420	34,444	22,236	496	4,094	3,093	18	181	4,326	–	–	–	–	–	–	–	130,998	(Petroleum Products)
6,506	3,025	3,482	19,630	19,630	–	–	–	–	–	–	–	–	–	–	–	–	–	27,409	(Petroleum Imports)
–38	–25	–12	–8,094	–2,933	–	–2,463	–2,337	–	–70	–291	–	–	–	–	–	–	–	–47,472	Exports
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–7,754	Int'l Bunkers
45	38	8	–34	–20	5	–21	17	–	–	–15	–1,896	–	–	–	–	–	–	–567	Stock Change(+/–)
310	186	124	1,557	1,233	18	87	190	1	5	23	1,429	–	–	–	–	–	–	9,650	Former Stock
–265	–148	–117	–1,591	–1,252	–13	–108	–173	–1	–5	–38	–3,325	–	–	–	–	–	–	–10,216	Ending Stock
514	–455	969	–2,127	935	–81	–47	–110	–	–	–2,825	1,895	–	–	–	–	–	–	660	Statistical Difference
10,647	3,781	6,866	43,819	39,849	421	1,562	662	18	110	1,196	35,671	–	1,196	32,456	–	–	5,198	240,752	Primary Consumption
–214	–214	–	–5	–	–	–	–	–	–	–5	–35,671	19,765	–1,196	–32,456	33,116	1,512	–451	–58,176	Transformation
–	–	–	–5	–	–	–	–	–	–	–5	–14,528	–177	–1,196	–32,456	36,323	961	–451	–53,834	Electric Generation
–	–	–	–	–	–	–	–	–	–	–	–784	–354	–	–	–	629	–	–779	District Heating
–214	–214	–	–	–	–	–	–	–	–	–	–20,135	19,962	–	–	–	–	–	–389	Gas Manufacturing
–	–	–	–	–	–	–	–	–	–	–	–224	334	–	–	–3,207	–78	–	–3,174	Own Use & Loss
10,432	3,567	6,865	43,814	39,849	421	1,562	662	18	110	1,191	–	19,765	–	–	33,116	1,512	4,747	182,576	Final Consumption
3,220	1,667	1,553	43,601	39,849	384	1,562	662	18	95	1,030	–	5,933	–	–	16,738	–	3,912	106,458	Industry
2	2	–	6	–	–	–	–	–	–	5	–	6	–	–	721	–	–	2,860	Agri. Fishery
3	3	–	3	–	–	–	–	–	–	3	–	–	–	–	124	–	–	195	Mining
3,194	1,641	1,553	42,024	39,849	383	–	662	18	95	1,017	–	5,927	–	–	15,892	–	–	93,220	Manufacturing
16	16	–	74	–	–	–	–	–	–	74	–	484	–	–	670	–	–	1,577	Food Tobacco
3	3	–	23	–	3	–	–	–	–	20	–	448	–	–	1,008	–	–	2,068	Textile & Apparel
–	–	–	1	–	1	–	–	–	–	–	–	44	–	–	136	–	–	210	Wood & Wood Pro.
6	6	–	10	–	5	–	–	–	–	5	–	193	–	–	842	–	–	1,634	Pulp & Publications
2,491	1,063	1,428	40,830	39,849	277	–	–	16	–	688	–	1,157	–	–	3,353	–	–	49,231	Petro. Chemical
38	38	–	131	–	–	–	–	–	93	37	–	417	–	–	981	–	–	5,567	Non-Metallic
52	32	20	11	–	–	–	–	–	2	9	–	1,249	–	–	2,910	–	–	21,092	Iron & Steel
17	17	–	6	–	1	–	–	–	–	5	–	186	–	–	–	–	–	289	Non-ferrous
68	60	7	27	–	3	–	–	–	–	24	–	1,302	–	–	5,794	–	–	7,728	Fabricated Metal
502	405	97	109	–	68	–	–	–	–	40	–	447	–	–	198	–	–	2,958	Other Manufacturing
–	–	–	803	–	24	–	662	2	–	115	–	–	–	–	–	–	–	866	Other Energy
21	21	–	1,569	–	1	1,562	–	–	–	5	–	–	–	–	–	–	–	2,366	Construction
5,191	2	5,189	4	–	–	–	–	–	–	3	–	777	–	–	196	–	178	35,793	Transportation
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	196	–	–	424	Rail
5,189	–	5,189	1	–	–	–	–	–	–	1	–	777	–	–	–	–	178	28,532	Land
2	2	–	2	–	–	–	–	–	–	2	–	–	–	–	–	–	–	3,762	Water
–	–	–	1	–	–	–	–	–	–	1	–	–	–	–	–	–	–	3,074	Air
970	917	53	31	–	15	–	–	–	–	16	–	9,624	–	–	4,836	1,352	65	21,132	Residential
1,023	952	71	151	–	20	–	–	–	15	116	–	3,139	–	–	9,308	125	35	15,093	Commercial
28	28	–	28	–	2	–	–	–	–	26	–	292	–	–	2,039	36	557	4,100	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		석 탄							석 유										
			무연탄			유연탄				에너지유									
				국내탄	수입탄		원료탄	연료탄			휘발유	등 유	경 유	경질중유	중 유	중질중유	JA-1	JP-4	AVI-G
		Total of Coal	Anthracite	Domestic	Import	Bituminous	Coking	Steam	Total of Petroleum	Energy Use	Gasoline	Kerosene	Diesel	B - A	B - B	B - C			
		1,000 toe																	
국 내 생 산	1	1,171	1,171	1,171	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
수 입	2	63,431	4,236	–	4,236	59,194	13,687	45,507	160,144	93,139	13,823	4,558	37,775	439	75	22,189	14,279	–	0
(석 유 생 산)	3	–	–	–	–	–	–	–	126,850	89,884	13,823	4,549	37,655	435	75	19,068	14,279	–	–
(석 유 수 입)	4	–	–	–	–	–	–	–	33,294	3,255	–	9	120	4	–	3,121	–	–	0
수 출	5	–	–	–	–	–	–	–	–46,758	–37,633	–5,111	–759	–18,053	–	–	–3,997	–9,712	–	–
국 제 벙 커 링	6	–	–	–	–	–	–	–	–6,985	–6,985	–	–	–483	–54	–	–5,510	–938	–	–
재 고 증 감	7	261	261	258	3	–	–	–	345	199	–70	14	160	1	0	67	28	–	–0
연 초 재 고	8	1,323	1,323	1,245	79	–	–	–	5,593	3,712	337	337	1,233	39	6	1,454	305	–	0
연 말 재 고	9	–1,063	–1,063	–987	–76	–	–	–	–5,248	–3,513	–407	–323	–1,073	–39	–6	–1,388	–277	–	–0
통 계 오 차	10	3,741	144	19	125	3,597	827	2,771	–4,410	–3,113	–263	–177	–363	–79	123	–2,351	–4	–	0
1 차 에 너 지 소 비	11	68,604	5,812	1,448	4,364	62,792	14,514	48,278	102,336	45,607	8,378	3,636	19,036	307	198	10,398	3,653	–	0
에 너 지 전 환	12	–44,709	–632	–632	–	–44,076	–	–44,076	–3,967	–3,714	–1	–105	–20	0	–	–3,587	–	–	–
발 전	13	–44,709	–632	–632	–	–44,076	–	–44,076	–3,417	–3,402	–1	–98	–20	0	–	–3,283	–	–	–
지 역 난 방	14	–	–	–	–	–	–	–	–311	–311	–	–7	0	–	–	–304	–	–	–
가 스 제 조	15	–	–	–	–	–	–	–	–239	–1	–	0	–1	–	–	–	–	–	–
자 가 소 비 및 손 실	16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
최 종 에 너 지 소 비	17	23,895	5,180	816	4,364	18,715	14,514	4,201	98,369	41,893	8,377	3,531	19,016	307	198	6,811	3,653	–	0
산 업 부 문	18	22,955	4,240	4	4,236	18,715	14,514	4,201	56,391	7,432	199	583	2,773	107	129	3,642	0	–	0
농 림 어 업	19	–	–	–	–	–	–	–	2,244	2,238	147	288	1,636	41	56	71	–	–	–
광 업	20	–	–	–	–	–	–	–	80	74	0	9	41	6	4	14	–	–	–
제 조 업	21	18,715	–	–	–	18,715	14,514	4,201	51,294	4,338	39	249	442	38	54	3,515	0	–	0
음 식. 담 배	22	30	–	–	–	30	–	30	369	281	0	21	10	2	10	239	–	–	–
섬 유. 의 복	23	88	–	–	–	88	–	88	441	414	0	23	13	1	3	374	–	–	–
목 재. 나 무	24	–	–	–	–	–	–	–	32	30	1	4	7	0	0	17	–	–	–
펄 프. 인 쇄	25	–	–	–	–	–	–	–	498	484	0	11	8	1	4	460	–	–	–
석 유. 화 학	26	116	–	–	–	116	–	116	46,266	1,182	0	19	72	1	5	1,085	–	–	–
비 금 속	27	2,767	–	–	–	2,767	–	2,767	833	685	0	6	91	2	10	576	–	–	–
1 차 금 속	28	14,514	–	–	–	14,514	14,514	–	269	228	–	0	3	0	1	223	–	–	–
비 철 금 속	29	–	–	–	–	–	–	–	85	61	–	0	3	1	1	56	–	–	–
조 립 금 속	30	–	–	–	–	–	–	–	527	441	29	32	127	26	6	220	0	–	0
기 타 제 조	31	1,200	–	–	–	1,200	–	1,200	1,070	473	6	132	105	5	14	211	–	–	–
기 타 에 너 지	32	–	–	–	–	–	–	–	903	60	0	1	4	–	0	54	–	–	–
건 설 업	33	–	–	–	–	–	–	–	2,772	782	13	36	655	22	14	42	–	–	–
수 송 부 문	34	–	–	–	–	–	–	–	34,529	29,193	8,105	7	14,976	152	38	2,740	3,174	–	0
철 도 운 수	35	–	–	–	–	–	–	–	201	200	–	0	200	–	–	–	–	–	–
육 상 운 수	36	–	–	–	–	–	–	–	27,816	22,482	8,105	6	14,349	4	0	17	–	–	–
수 상 운 수	37	–	–	–	–	–	–	–	3,321	3,320	–	0	419	147	37	2,717	–	–	–
항 공 운 수	38	–	–	–	–	–	–	–	3,191	3,191	0	1	8	1	1	7	3,174	–	0
가 정 부 문	39	940	940	812	128	–	–	–	3,860	2,857	6	2,007	565	3	8	267	–	–	–
상 업 부 분	40	–	–	–	–	–	–	–	2,327	1,193	20	832	139	39	20	143	0	–	0
공 공 부 문	41	–	–	–	–	–	–	–	1,263	1,218	46	102	562	6	3	19	479	–	0

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
											천연가스	도시가스	수 력	원자력	전 력	열	신재생	합 계	
LPG			비에너지																
	프로판	부 탄		니프타	용 제	아스팔트	윤활기유	파라핀 왁스	석유 코크	기타제품									
	Propane	Butane	Non-Energy Use	Naphtha	Solvent	Asphalt	Lubricant	Paraffin-Wax	Petroleum Coke	Other Products	L N G	Town Gas	Hydro	Nuclear	Electricity	Heat	Renewable Energy	Total	
1,000 toe																			
–	–	–	–	–	–	–	–	–	–	–	498	–	1,213	31,771	–	–	5,480	40,133	Domestic Production
10,490	4,590	5,900	56,515	43,501	603	4,408	3,327	17	166	4,493	33,568	–	–	–	–	–	–	257,143	Imports
3,656	1,436	2,219	33,310	20,357	598	4,408	3,271	17	166	4,493	–	–	–	–	–	–	–	126,850	(Petroleum Products)
6,834	3,153	3,680	23,205	23,144	5	–	56	–	–	–	–	–	–	–	–	–	–	33,294	(Petroleum Imports)
–12	–12	0	–9,113	–3,400	–1	–2,495	–2,685	–	–33	–499	–	–	–	–	–	–	–	–46,758	Exports
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–6,985	Int'l Bunkers
37	18	19	109	186	–3	6	–62	0	0	–19	1,144	–	–	–	–	–	–	1,749	Stock Change(+/–)
265	148	117	1,616	1,252	13	108	198	1	5	38	3,390	–	–	–	–	–	–	10,306	Former Stock
–228	–130	–98	–1,507	–1,066	–16	–101	–260	–1	–5	–58	–2,246	–	–	–	–	–	–	–8,557	Ending Stock
564	–385	949	–1,861	1,002	–195	46	140	0	–45	–2,808	–1,303	–	–	–	–	–	–	–1,972	Statistical Difference
11,079	4,211	6,868	45,651	41,290	404	1,965	721	17	88	1,167	33,908	–	1,213	31,771	–	–	5,480	243,311	Primary Consumption
–238	–238	–1	–14	–	–	–	–	–	–	–14	–33,908	19,459	–1,213	–31,771	33,925	1,551	–613	–61,245	Transformation
–1	–1	–	–14	–	–	–	–	–	–	–14	–12,617	–159	–1,213	–31,771	37,290	953	–613	–56,256	Electric Generation
–	–	–	–	–	–	–	–	–	–	–	–681	–855	–	–	–	683	–	–1,164	District Heating
–238	–237	–1	0	–	–	–	–	–	–	0	–20,324	20,298	–	–	–	–	–	–265	Gas Manufacturing
–	–	–	–	–	–	–	–	–	–	–	–286	176	–	–	–3,365	–85	–	–3,561	Own Use & Loss
10,840	3,973	6,867	45,636	41,290	404	1,965	721	17	88	1,152	–	19,459	–	–	33,925	1,551	4,867	182,066	Final Consumption
3,478	2,050	1,428	45,480	41,290	376	1,965	721	17	87	1,026	–	5,891	–	–	17,006	–	3,876	106,119	Industry
1	1	0	5	–	0	–	–	–	–	5	–	4	–	–	786	–	–	3,035	Agri. Fishery
2	2	–	4	–	1	–	–	–	–	3	–	–	–	–	116	–	–	196	Mining
3,453	2,025	1,428	43,503	41,290	375	–	721	17	87	1,015	–	5,886	–	–	16,103	–	–	91,999	Manufacturing
17	17	0	71	–	0	–	–	–	–	71	–	515	–	–	687	–	–	1,601	Food Tobacco
3	3	0	24	–	10	–	–	–	–	14	–	447	–	–	993	–	–	1,967	Textile & Apparel
1	1	–	2	–	1	–	–	–	–	1	–	63	–	–	137	–	–	231	Wood & Wood Pro.
5	5	–	9	–	5	–	–	–	–	4	–	235	–	–	827	–	–	1,559	Pulp & Publications
2,771	1,478	1,293	42,313	41,290	287	–	–	15	–	722	–	1,077	–	–	3,445	–	–	50,905	Petro. Chemical
31	31	0	117	–	0	–	–	–	85	32	–	442	–	–	966	–	–	5,008	Non-Metallic
34	10	23	8	–	0	–	–	–	2	5	–	1,239	–	–	3,023	–	–	19,045	Iron & Steel
17	17	0	7	–	1	–	–	–	–	5	–	220	–	–	–	–	–	305	Non-ferrous
62	57	6	24	–	3	–	–	–	–	21	–	1,154	–	–	5,839	–	–	7,520	Fabricated Metal
512	407	105	85	–	55	–	–	–	–	31	–	496	–	–	187	–	–	2,953	Other Manufacturing
0	0	–	843	–	11	–	721	2	–	110	–	–	–	–	–	–	–	903	Other Energy
21	21	–	1,968	–	0	1,965	–	–	–	3	–	0	–	–	–	–	–	2,772	Construction
5,332	1	5,331	4	–	1	–	–	–	–	3	–	960	–	–	187	–	254	35,930	Transportation
0	0	–	0	–	–	–	–	–	–	0	–	–	–	–	187	–	–	388	Rail
5,331	0	5,331	3	–	1	–	–	–	–	2	–	960	–	–	–	–	254	29,030	Land
0	0	–	0	–	0	–	–	–	–	–	–	–	–	–	–	–	–	3,321	Water
0	0	–	0	–	–	–	–	–	–	0	–	–	–	–	–	–	–	3,191	Air
970	931	39	33	–	16	–	–	–	–	16	–	9,267	–	–	4,953	1,388	129	20,537	Residential
1,037	968	69	97	–	10	–	–	–	1	85	–	3,065	–	–	9,640	120	33	15,185	Commercial
23	23	0	23	–	1	–	–	–	–	21	–	277	–	–	2,138	42	575	4,295	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		석 탄							석 유										
			무연탄			유연탄				에너지유									
				국내탄	수입탄		원료탄	연료탄			휘발유	등 유	경 유	경질중유	중 유	중질중유	JA-1	JP-4	AVI-G
		Total of Coal	Anthracite	Domestic	Import	Bituminous	Coking	Steam	Total of Petroleum	Energy Use	Gasoline	Kerosene	Diesel	B - A	B - B	B - C			
		1,000 toe																	
국 내 생 산	1	969	969	969	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
수 입	2	72,576	4,851	–	4,851	67,726	17,030	50,696	164,689	95,696	14,221	5,458	38,725	467	78	22,032	14,715	–	1
(석 유 생 산)	3	–	–	–	–	–	–	–	130,463	92,789	14,221	5,412	38,616	467	78	19,281	14,715	–	–
(석 유 수 입)	4	–	–	–	–	–	–	–	34,226	2,907	–	46	109	–	–	2,751	–	–	1
수 출	5	–	–	–	–	–	–	–	–48,224	–38,684	–5,003	–904	–18,814	–	–	–4,024	–9,939	–	–
국 제 벙 커 링	6	–	–	–	–	–	–	–	–7,569	–7,569	–	–	–503	–76	–	–5,887	–1,104	–	–
재 고 증 감	7	187	187	160	27	–	–	–	–525	–483	–81	–98	–123	3	–1	–146	–36	–	0
연 초 재 고	8	1,063	1,063	987	76	–	–	–	5,247	3,513	407	323	1,073	39	6	1,388	277	–	0
연 말 재 고	9	–876	–876	–827	–48	–	–	–	–5,773	–3,996	–489	–421	–1,196	–36	–7	–1,534	–314	–	0
통 계 오 차	10	3,360	135	38	97	3,225	2,017	1,208	–4,070	–2,541	–369	–349	87	–91	129	–2,232	285	–	0
1 차 에 너 지 소 비	11	77,092	6,141	1,166	4,975	70,951	19,047	51,904	104,301	46,420	8,767	4,107	19,373	303	206	9,743	3,921	–	1
에 너 지 전 환	12	–47,928	–390	–390	–	–47,538	–	–47,538	–3,920	–3,418	–1	–98	–35	–	–	–3,284	–	–	–
발 전	13	–47,928	–390	–390	–	–47,538	–	–47,538	–3,125	–3,099	–1	–91	–34	–	–	–2,973	–	–	–
지 역 난 방	14	–	–	–	–	–	–	–	–317	–317	–	–6	0	–	–	–311	–	–	–
가 스 제 조	15	–	–	–	–	–	–	–	–478	–1	–	0	–1	–	–	–	–	–	–
자 가 소 비 및 손 실	16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
최 종 에 너 지 소 비	17	29,164	5,751	776	4,975	23,413	19,047	4,366	100,381	43,002	8,766	4,009	19,338	303	206	6,459	3,921	–	1
산 업 부 문	18	28,264	4,851	–	4,851	23,413	19,047	4,366	57,351	7,414	192	697	2,925	116	134	3,350	0	–	0
농 림 어 업	19	–	–	–	–	–	–	–	2,333	2,326	138	326	1,702	42	59	58	–	–	–
광 업	20	–	–	–	–	–	–	–	95	87	0	12	48	7	6	14	–	–	–
제 조 업	21	22,413	–	–	–	23,413	19,047	4,366	52,300	4,152	40	312	467	38	48	3,246	0	–	0
음 식. 담 배	22	31	–	–	–	31	–	31	333	232	0	23	13	1	6	188	–	–	–
섬 유. 의 복	23	97	–	–	–	97	–	97	395	374	0	26	6	1	4	336	–	–	–
목 재. 나 무	24	–	–	–	–	–	–	–	36	33	1	5	8	0	0	19	–	–	–
펄 프. 인 쇄	25	–	–	–	–	–	–	–	395	381	0	12	8	1	5	355	–	–	–
석 유. 화 학	26	129	–	–	–	129	–	129	47,198	1,146	1	23	74	1	4	1,043	–	–	–
비 금 속	27	2,830	–	–	–	2,830	–	2,830	891	708	1	8	91	2	9	597	–	–	–
1 차 금 속	28	19,047	–	–	–	19,047	19,047	–	278	204	–	3	5	0	1	196	–	–	–
비 철 금 속	29	–	–	–	–	–	–	–	89	63	–	0	3	0	1	58	–	–	–
조 립 금 속	30	–	–	–	–	–	–	–	551	461	31	41	143	25	6	214	0	–	0
기 타 제 조	31	1,279	–	–	–	1,279	–	1,279	1,193	495	6	170	112	6	11	189	–	–	–
기 타 에 너 지	32	–	–	–	–	–	–	–	941	55	0	1	3	0	1	50	–	–	–
건 설 업	33	–	–	–	–	–	–	–	2,623	850	13	47	709	29	20	32	–	–	–
수 송 부 문	34	–	–	–	–	–	–	–	35,282	29,984	8,498	11	15,134	159	43	2,700	3,438	–	0
철 도 운 수	35	–	–	–	–	–	–	–	195	195	–	0	195	–	–	–	–	–	–
육 상 운 수	36	–	–	–	–	–	–	–	28,352	23,056	8,498	10	14,519	5	2	21	–	–	–
수 상 운 수	37	–	–	–	–	–	–	–	3,282	3,282	–	0	415	154	40	2,673	–	–	–
항 공 운 수	38	–	–	–	–	–	–	–	3,453	3,452	0	1	5	0	1	6	3,438	–	0
가 정 부 문	39	901	901	776	124	–	–	–	4,053	3,011	9	2,228	516	2	5	253	–	–	–
상 업 부 분	40	–	–	–	–	–	–	–	2,397	1,339	21	969	172	19	21	136	–	–	0
공 공 부 문	41	–	–	–	–	–	–	–	1,299	1,254	46	104	590	7	4	20	483	–	0

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
											천연가스	도시가스	수 력	원자력	전 력	열	신재생	합 계	
LPG			비에너지																
	프로판	부 탄		나프타	용 제	아스팔트	윤활기유	파라핀 왁스	석유 코크	기타제품									
	Propane	Butane	Non-Energy Use	Naphtha	Solvent	Asphalt	Lubricant	Paraffin-Wax	Petroleum Coke	Other Products	L N G	Town Gas	Hydro	Nuclear	Electricity	Heat	Renewable Energy	Total	
1,000 toe																			
–	–	–	–	–	–	–	–	–	–	–	539	–	1,391	31,948	–	–	6,064	40,912	Domestic Production
10,547	4,969	5,578	58,445	45,858	608	4,609	2,634	20	188	4,529	42,384	–	–	–	–	–	–	279,649	Imports
3,371	1,541	1,830	34,302	21,721	602	4,609	2,634	20	188	4,529	–	–	–	–	–	–	–	130,463	(Petroleum Products)
7,176	3,428	3,748	24,143	24,137	6	–	–	–	–	–	–	–	–	–	–	–	–	34,226	(Petroleum Imports)
-89	-89	0	-9,451	-4,110	0	-2,917	-1,911	–	-16	-498	–	–	–	–	–	–	–	-48,224	Exports
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	-7,569	Int'l Bunkers
-38	-7	-31	-5	-65	-9	-19	103	-1	-3	-12	-1,194	–	–	–	–	–	–	-1,532	Stock Change(+/-)
228	130	98	1,507	1,066	16	101	260	1	5	58	2,273	–	–	–	–	–	–	8,583	Former Stock
-265	-136	-129	-1,512	-1,131	-25	-121	-156	-2	-8	-70	-3,467	–	–	–	–	–	–	-10,116	Ending Stock
504	-413	917	-2,033	783	-56	77	-56	0	-47	-2,733	1,279	–	–	–	–	–	–	568	Statistical Difference
10,924	4,461	6,464	46,956	42,467	543	1,749	770	19	122	1,286	43,008	–	1,391	31,948	–	–	6,064	263,805	Primary Consumption
-477	-476	0	-25	–	–	–	–	–	–	-25	-42,449	21,081	-1,391	-31,948	37,338	1,718	-718	-68,218	Transformation
0	0	–	-25	–	–	–	–	–	–	-25	-18,548	-922	-1,391	-31,948	40,811	1,073	-718	-62,696	Electric Generation
–	–	–	–	–	–	–	–	–	–	–	-847	-1,157	–	–	–	713	–	-1,609	District Heating
-476	-476	0	0	–	–	–	–	–	–	–	-22,778	22,280	–	–	–	–	–	-976	Gas Manufacturing
–	–	–	–	–	–	–	–	–	–	–	-276	881	–	–	-3,474	-68	–	-2,937	Own Use & Loss
10,448	3,984	6,463	46,931	42,467	543	1,749	770	19	122	1,260	559	21,081	–	–	37,338	1,718	5,346	195,587	Final Consumption
3,198	2,112	1,086	46,739	42,467	469	1,749	770	19	118	1,146	559	7,329	–	–	19,193	–	4,215	116,910	Industry
3	3	–	4	–	0	–	–	–	–	4	–	5	–	–	864	–	–	3,201	Agri. Fishery
3	3	–	5	–	0	–	–	–	–	4	–	0	–	–	145	–	–	240	Mining
3,173	2,087	1,086	44,975	42,467	467	–	770	19	118	1,135	559	7,324	–	–	18,184	–	–	101,780	Manufacturing
20	20	0	81	–	–	–	–	–	–	81	–	598	–	–	751	–	–	1,713	Food Tobacco
4	4	0	17	–	8	–	–	–	–	8	–	540	–	–	1,063	–	–	2,095	Textile & Apparel
0	0	–	3	–	2	–	–	–	–	1	–	53	–	–	151	–	–	240	Wood & Wood Pro.
4	4	–	9	–	6	–	–	–	–	3	–	304	–	–	862	–	–	1,560	Pulp & Publications
2,372	1,436	936	43,680	42,467	364	–	–	17	–	833	246	1,648	–	–	3,716	–	–	52,938	Petro. Chemical
34	34	0	149	–	0	–	–	–	114	34	313	456	–	–	999	–	–	5,176	Non-Metallic
67	40	27	6	–	1	–	–	–	3	2	–	1,460	–	–	3,598	–	–	24,696	Iron & Steel
19	19	0	6	–	1	–	–	–	–	5	–	206	–	–	–	–	–	294	Non-ferrous
62	56	6	28	–	6	–	–	–	–	23	–	1,364	–	–	6,836	–	–	8,751	Fabricated Metal
590	474	116	109	–	72	–	–	–	–	37	–	694	–	–	208	–	–	3,375	Other Manufacturing
0	0	–	887	–	6	–	770	2	–	109	–	–	–	–	–	–	–	941	Other Energy
18	18	–	1,755	–	2	1,749	–	–	–	3	–	0	–	–	–	–	–	2,624	Construction
5,294	1	5,293	4	–	0	–	–	–	–	3	–	1,112	–	–	188	–	357	36,938	Transportation
–	–	–	0	–	–	–	–	–	–	0	–	–	–	–	188	–	–	383	Rail
5,293	0	5,293	3	–	0	–	–	–	–	2	–	1,112	–	–	–	–	357	29,820	Land
0	0	–	0	–	0	–	–	–	–	–	–	–	–	–	–	–	–	3,282	Water
1	1	–	1	–	–	–	–	–	–	1	–	–	–	–	–	–	–	3,453	Air
957	928	29	85	–	58	–	–	–	–	27	–	9,366	–	–	5,263	1,531	72	21,186	Residential
973	917	56	85	–	15	–	–	–	4	66	–	3,123	–	–	10,373	145	33	16,071	Commercial
26	26	0	19	–	1	–	–	–	–	18	–	152	–	–	2,321	42	669	4,483	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

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		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		석 탄							석 유										
			무연탄			유연탄				에너지유									
				국내탄	수입탄		원료탄	연료탄			휘발유	등 유	경 유	경질중유	중 유	중질중유	JA-1	JP-4	AVI-G
		Total of Coal	Anthracite	Domestic	Import	Bituminous	Coking	Steam	Total of Petroleum	Energy Use	Gasoline	Kerosene	Diesel	B - A	B - B	B - C			
		1,000 toe																	
국 내 생 산	1	969	969	969	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
수 입	2	79,861	5,775	–	5,775	74,086	18,310	55,776	173,875	101,319	15,722	4,916	42,190	468	81	21,501	16,439	–	2
(석 유 생 산)	3	–	–	–	–	–	–	–	139,518	98,699	15,722	4,857	42,053	468	81	19,079	16,439	–	–
(석 유 수 입)	4	–	–	–	–	–	–	–	34,357	2,620	–	58	137	–	–	2,423	–	–	2
수 출	5	–	–	–	–	–	–	–	–57,541	–47,649	–6,807	–1,254	–22,903	–6	–	–5,379	–11,301	–	–
국 제 벙 커 링	6	–	–	–	–	–	–	–	–7,522	–7,522	–	–	–412	–80	–	–5,758	–1,273	–	–
재 고 증 감	7	513	513	472	41	–	–	–	84	49	81	81	130	–6	1	–184	–53	–	–2
연 초 재 고	8	1,323	1,323	1,245	79	–	–	–	5,814	3,996	489	421	1,196	36	7	1,534	314	–	0
연 말 재 고	9	–811	–811	–773	–37	–	–	–	–5,730	–3,947	–407	–340	–1,066	–42	–6	–1,717	–367	–	–2
통 계 오 차	10	2,298	–358	–399	41	2,656	3,923	–1,268	–3,750	–1,902	–148	–185	297	–50	114	–2,075	143	–	2
1 차 에 너 지 소 비	11	83,640	6,898	1,041	5,857	76,741	22,233	54,508	105,146	44,296	8,849	3,558	19,302	327	196	8,107	3,955	–	2
에 너 지 전 환	12	–50,096	–252	–252	–	–49,844	–	–49,844	–3,169	–2,497	0	–50	–88	–0	–	–2,358	–	–	–
발 전	13	–50,096	–252	–252	–	–49,844	–	–49,844	–2,254	–2,227	0	–50	–86	–	–	–2,090	–	–	–
지 역 난 방	14	–	–	–	–	–	–	–	–269	–268	–	0	0	–0	–	–268	–	–	–
가 스 제 조	15	–	–	–	–	–	–	–	–646	–1	–	0	–1	–	–	–	–	–	–
자 가 소 비 및 손 실	16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
최 종 에 너 지 소 비	17	33,544	6,646	789	5,857	26,898	22,233	4,664	101,976	41,799	8,848	3,507	19,215	327	196	5,748	3,955	–	2
산 업 부 문	18	32,673	5,775	–	5,775	26,898	22,233	4,664	59,635	6,611	198	595	2,889	118	126	2,684	0	–	0
농 림 어 업	19	–	–	–	–	–	–	–	2,168	2,163	137	287	1,614	30	52	43	–	–	–
광 업	20	–	–	–	–	–	–	–	95	83	0	8	49	9	7	11	–	–	–
제 조 업	21	26,898	–	–	–	26,898	22,233	4,664	54,822	3,500	42	253	517	46	41	2,600	0	–	0
음 식. 담 배	22	30	–	–	–	30	–	30	217	179	0	17	10	2	6	144	–	–	–
섬 유. 의 복	23	103	–	–	–	103	–	103	270	254	3	30	6	1	5	208	–	–	–
목 재. 나 무	24	–	–	–	–	–	–	–	28	26	1	4	8	1	0	12	–	–	–
펄 프. 인 쇄	25	–	–	–	–	–	–	–	222	212	0	9	7	0	5	190	–	–	–
석 유. 화 학	26	131	–	–	–	131	–	131	50,497	968	0	26	74	2	3	864	–	–	–
비 금 속	27	3,129	–	–	–	3,129	–	3,129	878	642	0	5	98	2	7	530	–	–	–
1 차 금 속	28	22,233	–	–	–	22,233	22,233	–	231	152	–	1	5	0	1	145	–	–	–
비 철 금 속	29	–	–	–	–	–	–	–	81	60	–	0	3	1	1	55	–	–	–
조 립 금 속	30	–	–	–	–	–	–	–	588	507	30	33	183	31	4	225	0	–	0
기 타 제 조	31	1,271	–	–	–	1,271	–	1,271	1,092	439	7	128	118	5	10	170	–	–	0
기 타 에 너 지	32	–	–	–	–	–	–	–	718	62	0	1	3	0	0	58	–	–	–
건 설 업	33	–	–	–	–	–	–	–	2,550	864	18	46	710	33	26	30	–	–	–
수 송 부 문	34	–	–	–	–	–	–	–	35,172	30,124	8,578	12	15,080	181	40	2,784	3,448	–	0
철 도 운 수	35	–	–	–	–	–	–	–	177	177	–	0	177	–	–	–	–	–	–
육 상 운 수	36	–	–	–	–	–	–	–	28,162	23,115	8,578	11	14,510	6	1	9	–	–	–
수 상 운 수	37	–	–	–	–	–	–	–	3,366	3,365	–	0	385	174	37	2,769	–	–	–
항 공 운 수	38	–	–	–	–	–	–	–	3,467	3,466	0	0	8	1	2	6	3,448	–	0
가 정 부 문	39	871	871	789	83	–	–	–	3,735	2,750	13	2,048	519	2	3	165	–	–	–
상 업 부 분	40	–	–	–	–	–	–	–	2,194	1,117	19	770	187	19	25	98	0	–	0
공 공 부 문	41	–	–	–	–	–	–	–	1,240	1,197	40	82	540	6	3	17	506	–	2

주 : 상업부문의 무연탄(연탄)소비는 가정부문에 포함.

19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
											천연가스	도시가스	수 력	원자력	전 력	열	신재생	합 계	
LPG			비에너지																
	프로판	부 탄		나프타	용 제	아스팔트	윤활기유	파라핀 왁스	석유 코크	기타제품									
	Propane	Butane	Non-Energy Use	Naphtha	Solvent	Asphalt	Lubricant	Paraffin-Wax	Petroleum Coke	Other Products	L N G	Town Gas	Hydro	Nuclear	Electricity	Heat	Renewable Energy	Total	
1,000 toe																			
–	–	–	–	–	–	–	–	–	–	–	451	–	1,715	32,285	–	–	6,618	42,039	Domestic Production
9,497	4,638	4,858	63,059	49,095	507	3,867	2,860	17	256	6,457	47,690	–	–	–	–	–	–	301,425	Imports
1,890	885	1,005	38,929	24,969	502	3,867	2,860	17	256	6,457	–	–	–	–	–	–	–	139,518	(Petroleum Products)
7,607	3,753	3,853	24,130	24,125	5	–	–	–	–	–	–	–	–	–	–	–	–	34,357	(Petroleum Imports)
–90	–72	–18	–9,802	–4,529	–27	–2,287	–1,970	–	–5	–984	–	–	–	–	–	–	–	–57,541	Exports
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–7,522	Int'l Bunkers
–53	–25	–28	87	32	12	64	–26	–1	9	–2	–800	–	–	–	–	–	–	–204	Stock Change(+/–)
266	137	129	1,553	1,160	33	123	156	2	10	70	3,520	–	–	–	–	–	–	10,657	Former Stock
–319	–162	–157	–1,465	–1,127	–21	–59	–183	–3	–1	–71	–4,320	–	–	–	–	–	–	–10,861	Ending Stock
949	–327	1,277	–2,797	860	–128	21	–363	0	–55	–3,133	–1,057	–	–	–	–	–	–	–2,510	Statistical Difference
10,303	4,214	6,089	50,547	45,458	364	1,665	501	16	204	2,338	46,284	–	1,715	32,285	–	–	6,618	275,688	Primary Consumption
–634	–633	0	–39	–	–	–	–	–	–	–39	–45,483	22,871	–1,715	–32,285	39,136	1,702	–784	–69,824	Transformation
0	0	–	–27	–	–	–	–	–	–	–27	–19,186	–928	–1,715	–32,285	42,655	1,096	–784	–63,499	Electric Generation
–0	–0	–	–0	–	–	–	–	–	–	–0	–2,288	–413	–	–	–	666	–	–2,304	District Heating
–633	–633	0	–12	–	–	–	–	–	–	–12	–23,731	23,977	–	–	–	–	–	–401	Gas Manufacturing
–	–	–	–	–	–	–	–	–	–	–	–278	236	–	–	–3,519	–60	–	–3,621	Own Use & Loss
9,670	3,581	6,089	50,507	45,458	364	1,665	501	16	204	2,299	801	22,871	–	–	39,136	1,702	5,834	205,864	Final Consumption
2,717	1,798	919	50,307	45,458	316	1,665	501	16	175	2,175	801	8,384	–	–	20,830	–	4,564	126,886	Industry
3	3	0	2	–	0	–	–	–	–	2	–	4	–	–	909	–	–	3,082	Agri. Fishery
2	2	–	9	–	0	–	–	–	4	5	–	–	–	–	166	–	–	260	Mining
2,696	1,777	919	48,626	45,458	314	–	501	16	171	2,165	801	8,379	–	–	19,754	–	–	110,654	Manufacturing
19	16	3	19	–	–	–	–	–	–	19	–	660	–	–	797	–	–	1,704	Food Tobacco
3	3	0	13	–	6	–	–	–	–	7	–	588	–	–	1,099	–	–	2,060	Textile & Apparel
0	0	–	2	–	1	–	–	–	–	0	–	49	–	–	153	–	–	230	Wood & Wood Pro.
3	3	0	7	–	4	–	–	–	–	3	–	403	–	–	886	–	–	1,510	Pulp & Publications
1,941	1,137	804	47,587	45,458	245	–	–	14	–	1,870	467	2,207	–	–	4,140	–	–	57,442	Petro. Chemical
26	26	0	211	–	0	–	–	–	170	40	–	474	–	–	1,017	–	–	5,498	Non-Metallic
76	49	27	3	–	1	–	–	–	1	2	334	1,392	–	–	3,975	–	–	28,167	Iron & Steel
16	16	0	6	–	1	–	–	–	–	5	–	257	–	–	–	–	–	338	Non-ferrous
57	52	5	24	–	4	–	–	–	–	20	–	1,655	–	–	7,474	–	–	9,717	Fabricated Metal
508	431	77	145	–	48	–	–	–	–	97	–	695	–	–	213	–	–	3,271	Other Manufacturing
47	44	3	609	–	4	–	501	2	–	102	–	–	–	–	–	–	–	718	Other Energy
16	16	0	1,670	–	1	1,665	–	–	–	3	–	1	–	–	–	–	–	2,551	Construction
5,036	1	5,034	12	–	0	–	–	–	7	5	–	1,174	–	–	193	–	336	36,875	Transportation
0	0	–	0	–	–	–	–	–	–	0	–	–	–	–	193	–	–	371	Rail
5,035	0	5,034	11	–	0	–	–	–	7	5	–	1,174	–	–	–	–	336	29,672	Land
0	0	–	0	–	0	–	–	–	–	–	–	–	–	–	–	–	–	3,366	Water
1	1	–	1	–	–	–	–	–	–	1	–	–	–	–	–	–	–	3,467	Air
926	899	28	58	–	37	–	–	–	–	21	–	10,125	–	–	5,295	1,512	84	21,621	Residential
967	860	108	110	–	10	–	–	–	22	78	–	3,076	–	–	10,463	149	38	15,921	Commercial
23	23	0	20	–	1	–	–	–	–	20	–	112	–	–	2,355	41	811	4,560	Public

Note : Domestic anthracite consumption for the commercial sector is included in the residential sector

부록·참고자료

Appendix and Reference

1 에너지 수급 통계 작성 개요
Summary of Energy Statistics

2 단위 환산표
Unit Conversion Factors

3 에너지 열량 환산기준
Energy Conversion Factors/Oil Equivalent

4 에너지 관련 용어
Grossary(Energy)

1 에너지 수급 통계 작성 개요

가. 통계작성 일반사항

- 통계의 명칭 : 에너지수급통계(Energy Statistics)
- 통계작성기관 : 에너지경제연구원 에너지정보통계센터
  (전화 : 031-420-2165, 인터넷주소 : http://www.keei.re.kr)
- 통계의 종류 : 일반, 보고통계
- 통계작성 승인번호 : 제33901호(2002.04.02)

나. 작성연혁

- 1982. 11. : 에너지통계연보 초안 작성
- 1983. 11. ~ 2001. 9. : 에너지통계연보 작성 발간(20호)
- 1994. : 통계청 승인 간행물(115-03)
- 2002. 4. : 통계작성 승인(제33901호, 2002.04.02)
- 2008. 2. : 작성기관 변경(산업자원부 → 지식경제부)
- 2008. 6. : 작성기관 변경(지식경제부 → 에너지경제연구원)

다. 작성목적

에너지공급사 즉 탄광, 정유사, 대리점, 가스회사, 한국전력공사, 한국지역난방공사 등으로부터 매월 생산 및 판매실적을 보고 받아 작성하는 보고통계로 에너지수요와 공급에 영향을 미치는 여러 가지 요인을 비교·분석함으로써 에너지수급전망, 에너지절약효과 등 정부의 에너지정책수립을 위한 기초 자료 제공

라. 작성대상(※ "카. 에너지수급통계 작성 Flow" 참조)

마. 작성주기, 대상기간, 작성기간

- 작성주기 : 매월
- 대상기간 : 작성대상월 1일 ~ 말일 (1개월)
- 작성기간 : 작성대상월 익월 15일 이내

바. 작성내용

- 생산 및 수·출입 : 국내생산, 수입, 수출, 국제벙커링
- 에너지전환 : 발전, 지역난방, 가스제조, 자가소비 및 손실
- 에너지 소비
  - 산업부문 : 농림어업, 광업, 제조업(11개업종), 건설업
  - 수송부문 : 철도운수, 육상운수, 수상운수, 항공운수
  - 가정 상업 및 공공 부문 : 가정, 상업, 공공 기타

사. 작성방법 및 체계

- **작성방법** : 통계작성 기관에서 매월 작성된 자료를 취합하여 관련 항목 생성
- **작성체계** : 에너지공급 관련기관 및 협회 → 에너지통계작성기관 → 에너지경제연구원

아. 결과공표

- **공표방법 및 시기**
  - 에너지통계월보 : 매월
  - KESIS : 매월, 매년
  - 에너지통계연보 : 매년

자. 주요용어

- **석탄류(유 · 무연탄)**
  - 생산(민수) : 발전용 및 연탄용으로 공급되는 생산량
  - 생산(산업) : 주물공장 등 제조업체에 공급되는 생산량
  - 기 타 : 통계오차 및 저탄의 변동량
  - 연탄용 : 연탄공장을 통한 가정. 상업부문 소비량
  - 발전용 : 발전소 소비량
  - 산업용 : 산업부문의 제조업체 소비량
  - 국내탄 재고 : 생산지 재고 및 연탄공장, 정부비축의 국내탄 재고
  - 수입탄 재고 : 입항지 및 연탄공장과 정부비축의 수입탄 재고
  - 제철용 : 철강업체의 수입 및 소비량
  - 발전용 : 유연탄 발전소의 수입 및 소비량
  - 시멘트 및 산업용 : 시멘트 및 기타 산업체의 수입 및 소비량

- **석유류**
  - 휘발유 : 내연기관의 연료로 사용되며 자동차용 휘발유는 32~215℃에서 증류되는 경질유분의 혼합물
  - 등유 : 휘발유(납사) 보다는 무겁고(끓는점이 높고), 경유보다는 가벼운(끓는점이 낮은) 유분. 끓는점이 약 145℃~300℃ 정도, 주로 가정의 석유난로나 보일러의 연료로 사용
  - 경유 : 끓는점이 약 200℃~370℃ 사이의 유분을 말하며 상압증류탑에서는 등유보다 아래쪽에서 생산됨. 용도는 운송용, 난방용 및 소규모 발전용이 대부분임
  - B-A(경질중유)유 : 경유유분 70%, B-C 유분 30%를 혼합시킨 연료유

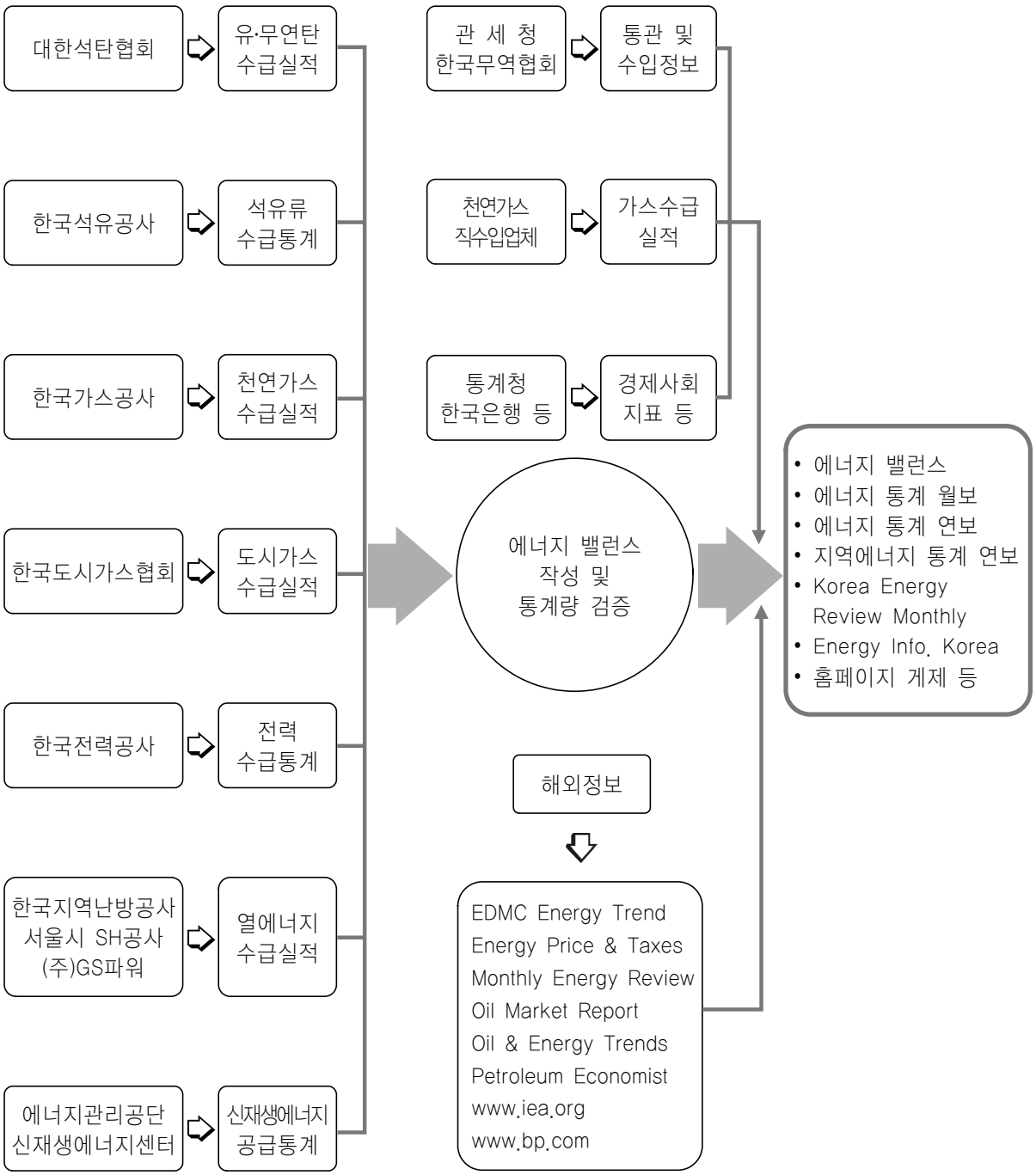
- B-B(중유)유 : 경유유분 30%, B-C 유분 70%를 혼합시킨 연료유
- B-C(중질중유)유 : 유황성분 1.0 wt% 이상의 B-C유를 말하며 주로 보일러 연료, 발전소 연료 등으로 사용함
- 등유형 제트유(Jet A-1(JP-8 포함)) : 주로 민간 여객기에 사용하는 연료유로 등유 유분에 여러 가지 첨가제를 넣어 만듦.
- 휘발유형 제트유(JP-4) : 주로 군용 전투기에 사용하는 연료유로 등유와 납사를 각각 50%씩 혼합한 유분에 여러 가지 첨가제를 넣어 만듦.
- 항공휘발유(AVI-Gas) : 제트엔진을 사용하지 않는 소형 경량항공기의 엔진은 자동차의 휘발유엔진(피스톤 엔진)과 같은 구조로 되어 있으며, 이 엔진에 사용되는 휘발유
- 프로판 : 분자식 C3H8의 파라핀계 탄화수소로, 일반적으로 석유정제나 천연가스 생산시 부산물로 얻어지는 가스
- 나프타(납사R, 납사T) : 넓은 의미로는 휘발성 석유류를 총칭하며, 좁은 의미로는 원유에서 직접 생산되는 유분으로 끓는점 범위 300℃~200℃에 있는 유분
- 용제 : 정제된 중간유분으로 증유점은 휘발유와 등유사이임
- 아스팔트 : 역청은 고체, 반고체 또는 점도가 높은 콜로이드(아교질) 구조를 가진 탄화수소물로 도로건설이나 지붕재로 사용
- 석유코크 : 석유코크는 검은 고체 Residue로 철강산업, 난방, 전극제조, 화학제품 생산시 코크오븐의 원료로 사용
- 윤활유 : 윤활유는 증류유분이나 잔사유(Residue)를 감압증류하여 생산하며, 파라핀이 풍부한 탄화수소물로서 스핀들오일 (저점도 윤활유)에서 실린더오일에 이르는 윤활제품과 자동차오일로 사용
- 파라핀 왁스 : 포화지방성 탄화수소물로 윤활유를 디왁싱할 때 추출되며, 결정체 구조를 띠고 있음

■ LNG : 가스전에서 생산되는 천연가스(Natural Gas)를 수송에 편리하도록 액화시킨 것을 말하며, 주요 성분은 메탄이고 유황성분, 분진 등 공해 유발성분이 거의 없는 청정연료로 도시가스 등에 널리 사용됨. 상온에서는 기체로 존재하므로 보통 -162℃ 정도로 냉동, 액화하여 부피를 1/650로 줄인 후 냉동 저장탱크에 액체상태로 저장

■ **도시가스** : 액체 또는 탄화수소가스를 열 또는 열-촉매 분해하여 생성된 가스연료

■ **열에너지** : 발전을 통하여 전력을 생산함과 동시에 고압 스팀 및 온수를 생산하는 시설

차. 에너지 수급 통계 작성 Flow



카. 총에너지 작성기준

1) 1차에너지

- 각 에너지원 소비량을 79년까지는 79년 열량환산표를 적용, 80년 이후는 80년, 81년 열량환산표를 적용하여 석유환산천톤 기준으로 환산했음.
- 각 에너지원별 내수용 공급분을 소비량으로 간주했음.
- 수력 및 원자력은 발전량을 소비량으로 간주하여 1KWH당 2,150Kcal를 환산기준으로 적용했음.

2) 최종에너지

- 1차 에너지소비량에서 에너지전환용 공급량을 제외시킨 후 전환생산량을 추가시켰음.
- 전력은 판매량을 소비량으로 간주하여 1KWH당 860Kcal를 환산기준으로 적용했음.
- 각 에너지원별 전력부문공급량을 전환용공급량으로 보는 것을 원칙으로하여 다음과 같이 기준에 따라 전력 부문의 공급량을 작성했음.

		전환용공급량	환산기준
무연탄		한전공급량	한전발열량
유연탄		한전소비량	Kg당 6,600Kcal
석유	75년 이전	한전소비량	동자부고시기준발열량
	75년 이후	한전공급량	〃

3) 기 타

- 무연탄은 전력전환용공급분이 저질탄임을 감안하여 다음과 같은 환산법을 택했음.
  총무연탄소비량×당해년도 기준 발열량=전력부문의 전환용공급량×한전발열량+타부문소비량×조정발열량
- 무연탄의 경우 수입탄과 국내탄의 발열량을 달리 적용했음.
- 83년이후 3,800kcal/kg적용.

2 단위 환산표

Unit Conversion Factors

가. 길 이

Units	cm	m	in	ft	yd	mile
1 cm	1	0.01	0.3937008	0.03280840	0.01093613	6.213712×10^{-6}
1 m	100	1	39.37008	3.280840	1.093613	6.213712×10^{-4}
1 in	2.54	0.0254	1	0.08333333…	0.0277777…	1.578283×10^{-5}
1 ft	30.48	0.3048	12	1	0.3333333…	$1.893939\cdots\times10^{-4}$
1 yd	91.44	0.9144	36	3	1	$5.681818\cdots\times10^{-4}$
1 mile	1.609344×10^{5}	1.609344×10^{3}	6.336×10^{4}	52.80	1760	1

나. 면 적

Units	cm^2	m^2	in^2	ft^2	yd^2	$mile^2$
1 cm^2	1	10^{-1}	0.1550003	1.076391×10^{3}	1.195990×10^{-4}	3.861022×10^{-11}
1 m^2	10^{4}	1	1550.003	10.76391	1.195990	3.861022×10^{-7}
1 in^2	6.4516	6.4516×10^{-4}	1	$6.944444\times10^{-3}\cdots$	7.716049×10^{-4}	2.490977×10^{-10}
1 ft^2	929.0304	0.09290304	144	1	0.1111111	3.587007×10^{-8}
1 yd^2	8361.273	0.8361273	1296	9	1	3.228306×10^{-7}
1 $mile^2$	2.589988×10^{10}	2.589988×10^{6}	4.014490×10^{9}	$2.78784\times10^{7*}$	3.0976×10^{6}	1

다. 부 피

Units	m^3	cm^3	liter	in^3	ft^3	미gal	영gal	bbl
1 m^3	1	10^{6}	10^{3}	6.102374×10^{4}	35.31467	264.1721	219.969	6.2892
1 cm^3	10^{-6}	1	10^{-3}	0.06102374	3.531467×10^{-5}	2.641721×10^{-4}	2.19969×10^{-1}	0.62892×10^{-5}
1 liter	10^{-3}	1000	1	61.02374	0.03531467	0.2641721	0.219969	6.2892×10^{-3}
1 in^3	1.638706×10^{-5}	16.38706	0.01638706	1	5.787037×10^{-4}	4.329004×10^{-3}	3.60465×10^{-3}	0.10306×10^{-3}
1 ft^3	2.831685×10^{-2}	28316.85	28.31685	1728	1	7.480520	6.2288	0.178
1gal(U.S)	3.785412×10^{-3}	3785.412	3.785412	231	0.1336806	1	0.83268	0.023809
1gal(U.K)	0.004561	4546.1	4.5461	277.42	0.160544	1.20094	1	0.028571
bbl	0.158988	158988	158.988	9.702	5.6146	42	34.9726	1

라. 무 게

Units	g	kg	oz	lb	metric ton	Short ton(미)	Lontg ton(영)
1 g	1	10^{-3}	0.03527396	2.204623×10^{-3}	10^{-6}	1.102311×10^{-6}	9.842×10^{-7}
1 kg	1000.	1	36.27396	2.204623	10^{-3}	1.102311×10^{-3}	9.842×10^{-4}
1 oz(avdp)	28.34952	0.02834952	1	0.0625	2.834952×10^{-5}	5×10^{-1}	2.790×10^{-5}
1 lb(avdp)	453.5924	0.4535924	16	1	4.535924×10^{-4}	0.0005	4.464×10^{-4}
1 metric ton	10^{6}	1000	35273.96	2204.623	1	1.102311	0.9842
1 ton(U.S)	907184.7	907.1847	32000	2000	0.9071847	1	7.8927
1 ton(U.K)	1016.0×10^{3}	1016.0	35.838×10^{3}	2240.143	1.0160	1.1200	1

마. 에너지

Units	J	cal	Btu	kW hr	hp hr	ft-lb(wt)
1 J	1	0.2388853	9.479735×10^{-4}	2.778236×10^{-7}	3.725676×10^{-7}	0.7376839
1 cal	4.186109	1	3.968321×10^{-3}	1.163000×10^{-6}	1.559609×10^{-6}	3.088025
1 Btu	1054.882	251.9958	1	2.930711×10^{-4}	3.930148×10^{-4}	778.1693
1 kW hr	3599406	859845.2	3412.142	1	1.341022	2655224
1 hp hr	2684077	641186.5	2544.33	0.7456998	1	1980000
1 ft-lb(wt)	1.355594	0.3238315	1.285067×10^{-3}	3.766161×10^{-7}	$5.050505\cdots\times10^{-7}$	1

바. 비중과 톤당 용적(60 ℉ 시)

API	비 중	배럴/메트릭톤	배럴/롱톤
25	0.904	6.98	7.09
26	0.898	7.02	7.13
27	0.893	7.06	7.18
28	0.887	7.10	7.22
29	0.882	7.15	7.27
30	0.876	7.19	7.31
31	0.871	7.24	7.36
32	0.865	7.28	7.40
33	0.860	7.33	7.45
34	0.855	7.37	7.49
35	0.850	7.42	7.54
36	0.845	7.46	7.58
37	0.840	7.51	7.63
38	0.835	7.55	7.67
39	0.830	7.60	7.72
40	0.825	7.64	7.76
41	0.820	7.69	7.81
42	0.816	7.73	7.85

사. 단위의 배수

명 칭	기 호	크 기
Tera	T	10^{12}
Giga	G	10^{9}
Mega	M	10^{6}
Kilo	K	10^{3}
Hecta	h	10^{2}
Deca	da	10^{1}
Deci	d	10^{-1}
Centi	c	10^{-2}
Milli	m	10^{-3}
Micro	μ	10^{-6}
Nano	n	10^{-9}
Pico	p	10^{-12}
Femto	f	10^{-15}
Atto	a	10^{-18}

아. 원유환산표

	톤 (매트릭톤)	롱 톤	숏 톤	배럴	입방미터 (㎥)	1천 갤론 (영)	1천 갤론 (미)
톤 (매트릭톤)	1	0.984	1.102	7.33	1.16	0.256	0.308
롱 톤	1.016	1	1.120	7.45	1.18	0.261	0.313
숏 톤	0.907	0.893	1	6.65	1.05	0.233	0.279
배 럴	0.136	0.134	0.150	1	0.159	0.035	0.042
입 방 미 터(㎥)	0.863	0.849	0.951	6.29	1	0.220	0.264
천 갤론(영)	3.91	3.83	4.29	28.6	4.55	1	1.201
천 갤론(미)	3.25	3.19	3.58	23.8	3.79	0.833	1

자료 : BP.com

자. 석유제품환산표

	배럴→톤	톤→배럴	배럴/일→톤/년	톤/년→배럴/일
원 유	0.136	7.33	49.8	0.0201
휘 발 유	0.118	8.45	43.2	0.0232
등 유	0.128	7.80	46.8	0.0214
경 유	0.133	7.50	48.7	0.0205
중 유	0.149	6.70	54.5	0.0184

※ 세계평균비중

3 에너지 열량 환산기준 Energy Conversion Factors

가. 에너지기본법 시행규칙(제5조제1항, 별표)

에너지기본법 시행령 제15조제1항 규정에 의한 에너지 열량 환산 기준은 다음과 같다.

〈개정 2011.12.30〉

1) 총 발열량 기준 산업자원부장관

에너지원		단위	총발열량(㎉)						07년 대비 열량 증감
			1980	1981	1987	1990	2007	2012	
석유 (17종)	원유	kg	10,000	10,000	10,000	10,000	10,750	10,730	↓ 20
	휘발유	ℓ	8,300	8,300	8,300	8,300	8,000	7,780	↓ 220
	등유(실내)	ℓ	8,700	8,700	8,700	8,700	8,800	8,790	↓ 10
	등유(보일러)						8,950		
	경유	ℓ	9,200	9,200	9,200	9,200	9,050	9,010	↓ 40
	B-A	ℓ	9,500	9,400	9,400	9,400	9,300	9,290	↓ 10
	B-B	ℓ	9,200	9,700	9,700	9,700	9,650	9,760	↑ 110
	B-c	ℓ	9,900	9,900	9,900	9,900	9,900	9,950	↑ 50
	프로판	ℓ	12,000	12,000	12,000	12,000	12,050	12,050	–
	부탄	ℓ	11,800	11,800	11,800	11,800	11,850	11,850	–
	납사	ℓ	8,000	8,000	8,000	8,000	8,050	7,710	↓ 340
	용제	ℓ	–	–	–	(8,200)	7,950	7,950	–
	항공유(JA-1)	ℓ	–	8,700	8,700	8,700			↓ 20
	항공유(JP-4)	ℓ	–	8,500	8,500	8,500	8,750	8,730	
	항공유(AVI-G)	ℓ	–	8,700	8,700	8,700			
	아스팔트	ℓ	–	–	–	(10,000)	9,900	9,910	↑ 10
	윤활유	ℓ	–	–	–	(9,400)	9,250	9,500	↑ 250
	석유코크스	ℓ	–	–	–	(10,800)	8,100	8,000	↓ 100
	부생연료 1호	ℓ	–	–	–	–	8,850	8,800	↓ 50
	부생연료 2호	ℓ	–	–	–	–	9,700	9,550	↓ 150
가스 (3종)	천연가스(LNG)	kg	–	9,500	12,980	13,000	13,000	13,040	↑ 40
	도시가스(LNG)	N㎥	7,000	7,000	7,000	10,500	10,550	10,430	↓ 120
	도시가스(LPG)	N㎥	–	–	–	15,000	15,000	15,000	–
석탄 (7종)	국내무연탄	kg	4,600	4,600	4,500	4,500	4,650	4,500	↓ 150
	연료용 수입 무연탄	kg	–	–	–	6,000	6,550	5,020	↓ 1,530
	원료용 수입 무연탄	kg						5,900	↓ 650
	연료용 유연탄 (역청탄)	kg	6,600	6,600	6,600	6,600	6,200	6,160	↓ 840
	원료용 유연탄 (역청탄)	kg					70,00	7,000	↑ 800
	아역청탄	kg	–	–	–	–	5,350	5,420	↑ 70
	코크스	kg	6,500	6,500	6,500	6,500	7,050	6,960	↓ 90
전기 등 (3종)	전기(발전기준)	kWh	2,500	2,500	2,500	2,500	2,150	2,110	↓ 40
	전기(소비기준)	kWh	–	–	–	–	–	2,300	–
	신탄	kg	4,500	4,500	4,500	4,500	4,500	4,500	–

주 : 1) "총발열량" 이라 함은 연료의 연소과정에서 발생하는 수증기의 잠열을 포함한 발열량을 말한다.
2) "석유환산톤(toe : ton of oil equivalent)이란 원유 1톤이 갖는 열량으로 10^7 ㎉를 말한다.
3) 석탄의 발열량은 인수식을 기준으로 한다.
4) 최종에너지 사용자가 사용하는 전기에너지를 열에너지로 환산할 경우에는 1 kWh=860㎉를 적용한다.
5) 1 cal = 4.1868J, N㎥은 0℃, 1기압 상태의 단위체적(세제곱미터)을 말한다.

4 에너지 관련 용어

◈ **가스터빈(Gas turbin)**
터빈기관으로서 압축된 뜨거운 연소가스가 터빈을 작동시키고, 다음으로 이 터빈은 연소공기의 압력을 증가시키기 위하여 압축기(콤프레샤)를 작동시키는 것.

◈ **가채년수(Reserves/Prduction)**
같은기간 확인매장량(R:Reserve)을 생산량(P:Production)으로 나눈 수치(R/P)로 현재 상태에서 향후 몇 년간 생산이 가능한가를 나타냄.

◈ **간접에너지(Indirect Energy)**
가솔린, 등유, 전기, 가스 등 직접적으로 소비하는 에너지에 대하여 석유화학 제품이나, 운수, 통신, 서비스 등을 통하여 간접적으로 소비하는 에너지를 말함.

◈ **갈탄(Brown coal/lignite)**
가연성, 고체, 검은색을 띤 갈색, 화석 탄화물의 침강성 퇴적물. 갈탄, 경성탄의 구분에 필요한 확실한 근거가 연구되어 확인되기 전까지는 각국에서 여러 다른 특성을 근거로하여 갈탄으로 분류되던 석탄은 열량에 관계없이(30℃, 96% 상대습도의 공기와 평형을 이룬 석탄의 총열량이 24 MJ/Kg을 넘는 경우도 포함된) 갈탄으로 분류됨.

◈ **경유(Light Oil)**
원유를 증유로 얻을 수 있는 비점 200℃이상, 인화점50℃이상, 90% 유출온도 350℃이하의 디젤엔진용 연료유.

◈ **경질원유(Light Crude Oil)**
휘발유분이 상대적으로 많고 비중이 작은 원유를 말하며, 원유는 비중이 작을수록 가솔린과 나프타등 이용가치가 높은 성분을 많이 얻을 수 있기 때문에 고품질로 여겨짐.

◈ **중질중유(B-A / Bunker-A)**
경유유분 70%, B-C 유분 30%를 혼합시킨 연료유.

◈ **고갈(Depletion)**
무엇인가의 양이 줄어드는 것. 유전개발에 따라 유전에 가치가 떨어지는 것.

◈ **고에너지연료(High Energy Fuel)**
종래의 석유계 탄화수소 연료에 비해 발열량 및 연소온도가 높고 추진력이 큰 연료, 수소, 베릴리움, 붕소, 리튬 등은 단위 질량당 연소열이 크며, 알루미늄, 마그네슘, 규소등은 고온화염을 내기 때문에 액체수소나 상기 원소의 수소화물 및 단체의 비분말을 탄화수소 연료에 현탁시키거나 고체연료에 섞어서 속에 넣은 것 등이 고에너지 연료임.

◈ **광물연료와 화석연료(Mineral and Fossil Fuels)**
화학적 또는 물리적 반응(혹은 핵 전환)에 의해 방출되어진 에너지를 포함하고 있는 천연 광물 자원으로부터 추출되었거나 추출할 수 있는 원료로 고체연료, 액체연료, 가스 화석연료, 핵연료 등이 광물연료.

◈ **광발전(Photovoltaic)**
빛에너지를 전기에너지로 변환시켜 주는 기술

◈ **국내에너지총생산(Primary Production of Energy)**
천연에너지원의 획득과(수력발전등 1차 전력을 포함하는) 일부 전환 에너지의 생산. 즉, 연료의 일차적 생산분(채탄, 채굴 등)에서 연료 정제과정의 불활성물을 차감한 양(천연가스의 경우 생산공정에서 태워버리거나 지하로 재주입시킨 에너지분을 제외시켜야 함). 2차 에너지로의 전환공정을 거치지 않은 재생에너지와 열발생 목적으로 이용된 동식물로부터의 에너지도 포함됨. 1차 전력생산은 수력발전, 지열발전과 원자력발전을 주로 지칭하나(세계동력회의의 에너지발란스에서는 수력과 원자력발전분을 등가 1차 에너지로의 환산을 권장함), 추가로 태양광발전, 풍력발전도 포함시킴이 바람직함.

◈ **국제벙커링(Bunkers)**
국적이나 선박종류에 구분없이, 외항선박에 공급되는 연료유의 양.
주 : 외항선박이나 연안해운용, 국제선을 위시한 항공기용은 제외 (현행 국내관행은 외국국적의 선박과 항공기용 연료공급을 모두 벙커링으로 분류함.

◈ **궁극매장량(Ultimate Reserves)**
일정시점을 기준으로 존재했거나 존재하고 있는 자원의 매장량으로 소비된 양과 발견되어 있는 나머지, 그리고 향후 발전될 양의 합.

◈ **기체연료(Gas Fuel)**
기체형태의 연료로서 천연가스, 프로판 가스, 석탄 및 석유의 가스화 연료가 있다. 기체연료의 발열량에 따라 고열가스(9,400kcal/㎥, 천연가스 등), 중열가스(2,800~3,800kcal/㎥, 수성가스 등) 및 저열가스(1,300kcal/㎥, 발생로 가스, 용광로 가스 등)로 나뉘어짐.

◈ **근원암(Source Rocks)**
석유가 생성된 것으로 간주되는 암석. 점토질 퇴적암 또는 탄산염암 퇴적암으로 어두운 색깔을 띠며, 유기물의 함량이 풍부함.

◈ **난방일수(Heating Degree Day)**
24시간 동안의 평균외부 온도가 기본온도보다 낮아질 경우 두 온도간의 차이로 나타낸 실험적인 단위. 난방일수는 건물의 난방 수용을 예측하는 데 쓰임.

◈ **납사, 나프타(Naphtha)**
넓은 의미로는 휘발성 석유류를 총칭하며, 좁은 의미로는 원유에서 직접 생산되는 유분으로 끓는점 범위 300℃-200℃에 있는 유분을 말함. 이중 끓는점이 100℃ 이하인 것을 경질납사(Light Straight Run Naphtha, HSR)라 함. 경질납사는 주로 용제 및 석유화학의 원료로 사용되며(NCC의 원료), 중질납사는 개질시설(Reformer)을 통해 휘발유 제조나 B.T.X. 생산에 사용.

◈ **도시가스(Town Gas, City Gas)**
도시의 중앙공급원에서 도관에 의하여 각 수요자에게 보내지는 연료가스. 근년에는 액화가스기술의 발전에 의해 천연가스를 공급하며, 천연가스는 석탄가스와 달라 유독한 일산화탄소 성분이 없고, 고열가스이므로 저장 및 수송에 있어 유리. 도시가스 성분은 단순화의 경향을 보이며, 수소연료가 개발되는 장래에는 도시가스도 그 주류가 될 것임.

◈ **등유(Kerosene)**

비점 150~260℃의 원유분으로 일찍부터 등화용으로 쓰여졌기 때문에 등유라 쓰여짐. 용도로는 난방용, 주방용 연료, 석유발동기용 연료, 용제, 기계세제용, 신호등유, 솔벤트 등유, 가스 터빈, 엔진용 연료등.

◈ **매장량(Reserves)**

생산을 중단하게 되는 날까지의 누적 생산량(지질학적 정의), 해당시점의 경제적 · 기술적 조건에서 채굴이 가능한 자원의 양(미국증권거래위원회 경제학적 정의)

◈ **메이저(International Oil Majors)**

거대자본을 배경으로 채유에서 판매에 이르는 각 단계를 세계적인 규모로 완전히 장악하여 종합경영을 하는 석유회사를 메이저 또는 국제석유자본이라 하며, 엑슨 , 모빌, 텍사코, 스탠다드 캘리포니아, 걸프, 브리티시 페트롤리엄(BP), 로얄 더취셀의 7개사를 7대 메이저(세븐 시스터즈)라 부르고 있음.

◈ **메탄발효(Methane Fermentation)**

일반적으로 대부분의 유기물은 혐기성균의 공동작용에 의하여 분해되며, 메탄과 이산화탄소를 생성하는 발효를 말함. 제1단계는 복잡한 화합물이 간단한 화합물 특히 저급지방산으로의 분해이고 제2단계는 메탄과 이산화탄소의 분해임. 메탄발효는 제2단계 분해를 말하며 이것에 관여하는 세균을 메탄세균이라고 총칭함.

◈ **바이오 가스(Biogas)**

혐기적 소화작용으로 바이오매스에서 생성되는 메탄과 이산화탄소의 혼합형태인 기체를 말함. 이러한 혼합기체로부터 분리된 메탄을 바이오메탄가스라고 함. 그외 바이오가스의 형태는 퇴비가스, 습지가스, 폐기물 등의 자연적으로 생성되는 것과 제조된 가스가 있음.

◈ **바이오매스(Biomass)**

바이오매스란 원래 "생물량"이라는 생태학적 용어였으나 현재는 에너지화할 수 있는 생물체량이란 의미로 사용되고 있음. 녹색식물은 태양에너지를 받아 물과 탄산가스를 이용하여 전분, 당 또는 섬유소를 합성하고 이를 식물에 저장함. 동물은 식물을 먹고 자라며 동식물은 미생물에 의하여 종국적으로 탄산가스와 물 등의 무기물로 분해되어 하나의 순환과정을 형성함. 이러한 생태계의 순환과정 중에 관련된 모든 "유기체"를 일컬어 바이오매스라 하며 이중에서 가장 많은 것이 식물 자원임.

◈ **발열량(Calorific Value)**

단위량의 연료가 일정조건하에서 완전 연소한 경우에 내는 열량.

◈ **배럴(Barrel)**

석유용량의 단위지만 본래는 「중간이 부푼 통」의 의미. 미국 펜실베니아주의 도르크라는 사람이 1859년 처음으로 석유의 기계 채유에 성공해 550갤론의 나무통에 채워 판매함. 당시는 수송중의 취급이 조악했었기 때문에 도중에 석유가 새어 42갤론 정도가 되는 경우가 많아, 이것이 현재 1배럴=42갤런의 기원이 됨. 환산율은 1배럴=42갤론=5.6146ft3=159ℓ

◈ **배사(Anticline)**

탄화수소 자원을 함유한 대표적인 지질구조. 지층이 습곡작용에 의해 오목한 바가지를 뒤집어 놓은 모양.

◈ **비연료유(Non-Fuel Oil)**

에너지발생을 위한 연료가 아닌 연료 등으로 사용되는 유종을 말하며 납사, 용재, 아스팔트 등이 있음.

◈ BPCD(Barrel Per Calender Day)
년간 총 처리물량을 365일로 나눈 값으로 시설의 생산능력보다는 제품의 수요 등을 표시할 때 사용.

◈ BPSD(Barrel Per Stream Day)
년간 총 처리물량을 년간 실지 가동일수로 나눈 값으로 시설의 규모를 표시할 때 주로 사용함. 일반적으로모든 시설은 1-2년에 한 번씩 정기보수를 위해 가동을 중지하며 1년중 평균 가동일수를 계산하여 처리용량을 산출함으로써 하루에 실질적으로 처리가능한 규모를 표시함. 보통 연간 가동일수는 330일 또는 365일의 90%를 기준으로 함.

◈ BTU(British Thermal Unit)
열량을 나타내는 단위의 하나로 1BTU=252cal

◈ **상업에너지**(Commercial Energy)
소비자가 사용하기 전에 상업적인 경로를 거치는 에너지로 개발도상국에서 사용하는 임산연료(장작)는 포함되지 않음.

◈ **석유**(Petroleum)
石油(돌기름), 탄화수소로 이루어진 광물성 기름으로 지하에서 채굴되며, 정제과정을 거친후에 에너지원으로 사용.

◈ **석유대체에너지**(Substitute Energy for Petroleum)
석유를 대신하는 에너지의 총칭으로 원자력, 석탄, LNG, 태양에너지, 지열에너지, 바이오매스 에너지, 수소에너지등이 있음.

◈ **석유환산톤**(toe, Ton of Oil Equivalent)
에너지의 가치를 석유를 기준으로 환산할 때 쓰는 단위로 서로 다른 형태의 에너지를 비교할 수 있게 해 줌.
즉, 열량 비교를 위해 타 연료의 열량을 원유기준으로 환산한 양으로 원유 1㎏=10,750㎉로 환산하며, 1 toe는 10^7㎉임.

◈ **수입의존도**(Rate of Dependence on Imports)
한나라의 경제가 외국으로부터의 수입에 의존하고 있는 정도를 나타내는 지표로, 평균 수입성향이라고도 함. 일반적으로 국민소득 혹은 국민총생산중 차지하는 수입액의 비율로 표시되지만, 기준시 가격에 의한 경우는 명목수입의존도라함.

◈ **스폿가격**(Spot Price)
일반적으로는 상품을 현물거래하는 경우의 가격을 말함. 장기계약 등에 의하지 않기 때문에 수급의 상태에 따라 가격이 변함. 최근에는 원유가격에 대해 쓰이는 일이 많으며 원유의 현물시장에서 거래되는 원유가격임.

◈ CIF(Cost, Insurance and Freight)
수출입 상품의 비용 및 선적시부터 도착시 까지의 운임, 보험료를 포함한 가격을 말하며 공급자가 운임, 보험료를 전부 부담하는 무역거래 조건의 하나.

◈ **신 · 재생에너지**(New & Renewable Energy)
석유, 석탄, 원자력, 천연가스, 수력등 종래 사용되어온 에너지 이외에 장차 기술개발에 의하여 공급이 가능하게 될 태양에너지, 바이오매스, 동력, 소수력, 지열, 해양에너지, 수소에너지, 석탄전환연료 등을 말함.

◈ **아라비안 라이트(Arabian Light)**

사우디아라비아산 원유중 API도(미국 석유협회가 규정한 비중측정단위)가 34도인 원유를 말한다. 중동 각 원유중에서 생산량이 많으며, 표준적인 상태에서 원유가격을 설정할 시의 기준원유로서 채용되고 있었지만 1985년 1월의 OPEC 제73회 임시총회에서 기준원유 가격제도로 변경됨.

◈ **압축 천연가스(CNG / Compressed Natural Gas)**

천연가스를 냉동, 압축하여 액화한 LNG(액화 천연가스)와는 달리 고압으로 압축하여 압력 용기에 저장한 형태를 말함.

◈ **액성 천연가스(Natural Gas Liquid : NGL)**

가스전설비 또는, 가스정제 공장의 분리기에서 액체상태로 회수되는 천연가스의 일부, 액성 천연가스는 에탄, 프로판, 부탄, 펜탄, 천연가솔린 및 응축액을 포함하나 이에 국한하지는 않으며, 소량의 비탄화수소 성분도 포함하는 경우도 있음.

◈ **액화석유가스(LPG, Liquefied Petroleum Gas)**

석유생산, 석유정제 또는 석유화학공업의 과정에서 부생되는 탄화수소를 분리 추출해, 상온상압에서 가스상태의 프로판, 부탄 등의 혼합기체를 가압 또는 냉각해 액화한 것. 가정용, 공업용, 내연기관용 연료, 도시가스의 원료로서 사용되고 있음.

◈ **액화(Liquefaction)**

수소화 반응법. 고체연료를 이용한 기체 합성법, 또는 용매추출법등 방법으로 고체연료를 액화 탄화수소 및 기타성분들로 전환시키는 것.

◈ **액화천연가스(LNG, Liquefied Natural Gas)**

지하 또는 해저의 가스전(석유광상)에서 뽑아내는 가스중 상온에서 액화하지 않는 성분이 많은 건성가스(Dry Gas)를 수송 및 저장의 용이성을 위해 액화한 것으로 보통 "천연가스"라 불리운다. 주성분은 메탄(CH4)으로 -162℃로 액화하면 체적은 원래의 1/600로 되어, 그 상태로 전용탱크에 수송되어 반지하 또는 지상의 대형 단열탱크에 저장된다. 우리나라의 경우 해외 천연가스 산지의 LNG공장에서 액화하는 것을 LNG선으로 도입하여 이를 국내 LNG공장에서 기체화한 후 파이프를 통해 발전소나 수용가에 공급하고 있음.

◈ **양수발전(Pumping-up Power Generation)**

고지대에 저수지를 만들고 전력의 비수요기인 밤에 잉여전력을 이용하여 여기에 물을 모터펌프로 퍼올려 놓았다가 수요기에 저수지물을 낙하시켜 발전하는 방식으로 우리나라의 양수발전은 무주, 청평, 삼랑진, 산청, 양양 등에 있음.

◈ **에너지밸런스(Energy Balance)**

에너지 수급통계 작성에서의 "에너지밸런스"는 플로우(Flow)의 개념으로 일정기간동안 일정지역내 에너지의 투입과 산출간의 균형을 나타내는 일종의 에너지 수지표. 에너지밸런스의 형태는 통상에너지원을 가로축, 에너지 수급량을 세로축에 나타내는 행렬(Matrix)방식을 채택하고 있음.

◈ **에너지보존(Energy Conservation)**

유한 에너지자원을 가장 효율적으로 사용하기 위해 취해야할 행동을 구체화시킨 정책을 의미함. 이러한 행동의 예로는 에너지절약, 에너지의 합리적 이용, 서로 다른 형태의 에너지간의 대체 등이 좋은 예임. 에너지 보존을 위해 통제적, 보조적, 정치적, 경제적 수단이 사용된다. 주: 이 용어는 주로 국가적 차원에서 사용되며, 미시경제 차원에서는 일반적으로 에너지절약 용어가 쓰임.

◈ **에너지수입의존도(Dependence of Energy on Overseas)**

일반적으로 에너지수입 의존도는 1차 에너지공급량에서 순수입에너지의 비중을 의미하나, 국내 수입의존도는 1차 에너지소비중 수입에너지의 비중을 의미.

◈ **에너지 안보(Energy Security)**

에너지는 국가경제를 뒷바침하는 데 불가결한 것이며, 국가의 안정보장과 깊이 결부되어 있기 때문에 에너지의 안정적이고도 합리적인 공급이 중요하다는 인식을 의미함.

◈ **에너지원(Energy Resources)**

에너지로 가능한 자원을 뜻하며 열에너지, 빛에너지, 운동에너지를 얻을 수 있는 화석연료나 핵분열 및 대체에너지로서 수력발전, 태양에너지, 풍력에너지, 조력에너지, 지열에너지 등을 말함.

◈ **에너지절약(Energy Saving)**

에너지 공급자와 사용자가 에너지의 낭비를 줄이기 위해 채택한 수단 또는 그로 인한 효과. 여기에서는 소극적인 방법(예:단열)과 적극적인 방법(예:폐열이나 가스의 활용) 또는 조직적인 방법(예:수송수단의 변화)등이 있음.

◈ **에너지의 형태(Forms of Energy)**

고체연료(Solid Fuels), 액체연료(Liquid Fuels), 가스연료(Gaseous Fuels), 수력전기(Hydropower), 핵에너지(Nuclear Energy), 전기에너지(Electrical Energy), 태양에너지(Solar Energy), 생물에너지(Biomass Energy), 풍력에너지(Wind Energy), 해양에너지(Ocean Energy), 지열에너지(Geothermal Energy), 핵융합(Nuclear Fusion) 등 성상에 따라 분류

◈ **에너지 탄성치(Energy Elasticity)**

에너지의 수요규모와 경제성장률은 한나라의 경제규모, 산업구조, 국민생활등과 밀접한 연관이 있음. 에너지탄성치는 경제성장률과 에너지소비증가율의 비임. 일반적으로 에너지사용의 효율이 높을수록 이 수치는 작게 됨.

◈ **에너지효율(Energy Efficiency)**

에너지변환기(엔진, 녹색식물, 터빈 등)에 있어서 소비된 에너지에 비해 실질적인 유효에너지로 사용된 부분은 얼마나 되는가이며, 이는 에너지의 변환, 이차에너지의 수송율(손실율을 뺀 것), 이용계에 있어서 변환용의 3단계에 의해 결정됨.

◈ **에너토피아(Enertorpia)**

에너지와 유토피아의 합성어로, 일반적으로는 어떤 거주지역을 체계화하여 에너지나 자원의 자급성을 갖고, 에너지절약 사고방식에 기초한 설비를 갖춘 에너지적 유토피아를 말함. 주위의 생태계를 파괴하지 않는 태양 등의 자연에너지 이용이나 폐기물의 재이용을 말함.

◈ **API(American Petroleum Institute)**

원유나 석유제품의 비중을 나타내기 위한 지표로서, 미국석유협회(API : American Petroleum Institute)가 제정한 화학적 석유비중 표시방법. 일반적으로 탄화수소가 많을수록 비중이 커지는데, 보통 API 34도 이상의 원유를 경질원유, API 30-34도의 원유를 중질원유, API 30도 이하의 원유를 중질원유로 분류함.

◈ **LSWR (Low Sulfur Waxy Residue)**

저유황 고유동점의 연료유(B-C)를 말함. 유황함량은 보통 0.3wt%이하로 초저유황이나 왁스성분을 다량 함유하고 있어 상온에서는 고체로 굳어지기 때문에 사용 또는 저장하기 위해서는 별도의 보온시설이 필요함.

◈ **MTBE (Methyl Tertialry Butyl Ether)**
이소부틸렌(iso-Butylene) 형태의 올레핀과 메탄올을 반응시켜 생산되는 화합물로 분자에 산소원자를 함유하고 있어 질소산화물, 일산화탄소 등의 발생을 줄일 목적으로 휘발유 Blending에 사용됨. 옥탄가가 약118로 매우 높아 휘발류의 옥탄가 향상에도 기여함.

◈ **역청탄(Tar Sand / Oil Sand)**
역청이나 높은 점성의 다른 원유를 함유하고 있는 퇴적암. 일반적인 생산방법은 함유된 원유를 채유할 수 없음.

◈ **연료가스(Fuel Gas)**
연료가스는 환경이 허용할 수 있는 연료로서 석유와 석탄 등을 원료로 해서 가스화에 의하여 얻어짐.

◈ **연료유(Fuel Oil)**
석유제품중 에너지발생을 위한 연료로 사용되는 유종을 말하며 이에는 휘발유, 등유, 경유, B-C유, 제트유가 포함됨. 통상 석유제품은 연료유, LPG, 비연료유로 구분됨.

◈ **연료전지(Fuel Cell)**
연료(주로 수소)와 산화제(주로 산소)를 전기화학적으로 반응시켜 그 반응에너지를 전기로 직접 빼내는 직류발전장치. 연료의 연소에너지를 열로서가 아니고, 전기에너지로서 이용하는 것으로서, 전기자동차용 연료전지나 연료전지발전소 등의 고성능이고 경제성이 뛰어난 연료전지의 개발이 추진되고 있음.

◈ **열량(Heat Quantity of Heat)**
고온의 물체에서 저온의 물체로 이동하는 에너지의 일종으로, 역학적 일과 구별하여 내부에너지의 변화를 가져오는 에너지를 열이라고 하고, 그 출입량을 열량이라함.

◈ **열병합발전(Cogeneration / Co-Gen)**
발전을 통하여 전력을 생산함과 동시에 고압 스팀 및 온수를 생산하는 시설을 말함. 단순히 전력만을 생산하는 것과 비교해 보면 2배 가까운 열효율(약 60%~70%)을 얻을 수 있음.

◈ **열에너지(Thermal Energy)**
에너지 형태의 하나로서 열에너지의 대부분은 증기기관과 내연기관과 같은 열기관에 의하여 역학적 에너지로 바뀌어 이용되는 외에 난방, 조리, 온수 등의 가장 많이 이용되고 있는 기본적인 에너지임. 역학적 에너지는 마찰열 등의 방법으로 100% 모두 열에너지로 바뀜. 모든 에너지는 최종적으로 열에너지로 전환되어 방출됨.

◈ **열효율(Thermal Efficiency)**
공급된 열에너지에 대한 열에너지의 비율을 열효율이라고 함. 보일러 등의 여열 이용설비에서의 흡수열량, 소각에 의한 발생열량에 대한 비율을 %로 나타내어 열효율로 함.

◈ **유효에너지(Useful Energy)**
최종소비자가 자신이 가지고 있는 장치를 통해 마지막 변환을 거친 다음 사용하는 에너지로 열, 동력, 빛 등임.

◈ **예상매장량(Probable Reserves)**
물리탐사와 탐사정 시추에 의해 확인된 저류암과 석유의 특성에 의해서 계산된 매장량. 개발기술이나 장비의 발달에 따라 변동함.

◈ **오일샌드(Oil Sand)**

원유를 포함한 다공질의 사암으로, 원유가 천연아스팔트화되어 있는 것은 타르샌드라고도 함. 열처리 또는 기타 방법으로 원유를 추출해 정제하면 보통의 석유에 가까운 것이 얻어짐. 종래 개발비용이 비쌌기 때문에 그다지 실용화되지 않았었지만 석유위기후 원유가격 급등에 의해 실용화가 추진됨.

◈ **오일 쉘(Oil Shale)**

해모공암이라고 하며, 역청질의 고분자화합물을 포함한 공암으로 건류에 의해 석유와 같은 성질의 기름이 얻어짐. 미국에 특히 많이 매장되어 있고 세계도처에 비교적 널리 분포되어 있음. 원유회수와 잔해의 처리에 비용이 많이 들기 때문에 실용화되지 않았지만 최근 기술진보와 석유위기 이후의 원유가격 폭등으로 주목받고 있음.

◈ **옥탄가(Octane Number)**

휘발류에 있어서 안티노크성이 고저를 표시하는 상대적인 척도를 말함. 옥탄가는 이소옥탄(Iso-Octane)의 옥탄가를 100, 노말헵탄(n-Heptane)의 옥탄가를 0으로 정한후, 휘발류와 같은 안티노크성을 갖는 표준연료(이소옥탄과 노말헵탄의 혼합물)에 함유된 이소옥탄의 부피%로 표시함. 옥탄가가 높을수록 안티노크성이 높은 것을 의미함.

◈ **온실효과(Greenhouse Effect)**

대기중의 기체가 지표면으로부터 방출되는 적외선을 흡수해 우주공간으로 달아나는 열을 지표면으로 되돌리기 때문에 온도가 상승하는 현상. 적외선을 흡수하는 기체로는 주로 수증기, 이산화탄소, 메탄가스 등이 있으며 온실효과가스라 함. 근래에 인류의 에너지 소비확대에 따라 이산화탄소를 중심으로 하는 온실효과가스가 증가하고 있으며, 기후온난화의 가능성이 지적되고 있음.

◈ **원유(Crude Oil)**

천연산 광물성 기름으로서, 다양한 종류의 탄화수소로 되어있음. 상압증류 후에 잔류하는 파라핀 왁스나 역청의 함유량에 따라 파라핀계, 아스팔트계, 혼합계로 나누어짐. 현재의 전문용어상으로 원유(Petroleum)는 액체탄화수소뿐만 아니라 기체나 고체 탄화수소도 포함.

◈ **일차에너지(Primary Energy)**

자연이 제공한 그대로의 가공하지 않은 에너지. 나무, 석탄, 석유, 천연가스, 우라늄은 재생될 수 없는 형태에 해당하고, 수력, 태양열, 풍력, 바이오매스, 지열, 조력 등의 에너지는 재생 가능한 형태에 해당함.

◈ **일차에너지소비(Primary Energy Consumption)**

에너지 국내생산 및 순수입, 재고의 증감을 포함한 소비량으로 최종 에너지소비와 전환손실을 합한 양.

◈ **잠재적 개발가능 매장량(Potentially Exploitable Deposit / Potentially Exploitable Resource)**

장래에 경제적으로 개발할 가치가 있다고 추정되어지는 매장물이나 자원

◈ **저온 코우크스(반성 코우크스)(Low Temperature Coke(semi coke)**

500-800℃사이의 저온에서 석탄을 건류하고 남은 고체 잔유물 갈탄의 경우 건류온도는 400-600℃이며 토탄의 경우는 350-550℃를 최저온도로 함.

◈ **저유황 중유(중유, B-C유, 연료유)(LS B-C / Low Sulfur B-C)**

유황성분 1.0wt% 이상의 B-C유를 말하며 주로 보일러 연료, 발전소 연료등으로 사용함.

◈ **전략비축유(Strategy Petroleum Reserve)**

공급중단(경제봉쇄, 금수조치, 사고 등)에 일시적으로 대처하기 위해 비축해 두는 석유로 선진국의 경우 약 3개월분 전략비축유로 보유함.

◈ **전력예비율(Reservation Margin)**

전력예비율이란 총 전력공급능력에서 최대전력수요를 뺀 것을 최대전력 수요로 나눈 것.

$$\text{전력예비율} = \frac{\text{총공급전력능력} - \text{최대전력수요}}{\text{최대전력수요}} \times 100$$

전력예비율은 당시 쓰이고 있는 전기보다 얼마나 추가전력을 더 공급할 수있느냐를 보여주는 수치로 예컨데 현재 100만큼의 전기를 생산해 공급할 수 있는데 소비되고 있는 전력은 80이라고 치면 이때 20만큼의 전기공급시설은 쓰이지 않고 남아 있는 것으로, 전력 예비율 25%임.

◈ **제1차 석유위기(The First Oil Crisis)**

1978년 당시 세계 제2의 석유수출국인 이란 국내에 정국불안이 일어나, 석유수급이 어려워졌음. 1979년 초에는 이란에 신정권이 탄생하여 원유생산의 억제정책을 폈고 이에 다른 아랍제국도 추종하여 동시에 가격이 이상된 시기, 1980년 초에는 석유의 공시가격이 전년에 비해 두배이상 폭등하였으며, 이를 제1차 석유위기라 함.

◈ **제트유, 여객기용(JA-1 / Jet A-1)**

주로 민간 여객기에 사용하는 연료유로 등유유분에 여러 가지 첨가제를 넣어 만듦.

◈ **제트유, 전투기용(JP-4)**

주로 군용 전투기에 사용하는 연료유로 등유와 납사를 각각 50%씩 혼합한 유분에 여러 가지 첨가제를 넣어 만듦.

◈ **제트유, 전투기용(JP-8)**

주로 군용 전투기에 사용하는 연료유로 JA-1과 같이 등유유분에 여러 가지 첨가제를 넣어 만들며, JP-4에 비해 안정성이 우수함.

◈ **중간유분(Middle Distillate)**

원유에서 정제된 각 제품중 가솔린, 나프타를 경질유분, B, C, 중유를 중질유분이라고 말하는 데 대하여 등유, 경유, A중유를 중간유분이라고 말함.

◈ **중유(Heavy Oil)**

원유를 증류해 가솔린과 등유, 경유 등을 추출한 후에 남는 상압잔사유에서 얻어진다. 인화점이 높은 연료유.

◈ **중유(B-B / Bunker-B)**

경유유분 30%, B-C 유분 70%를 혼합시킨 연료유.

◈ **중질(重質)원유(Heavy Distillate)**

원유는 비중에 따라 경질(經質), 중질(中質), 중질(重質) 원유로 구분되되 불린다. 중질원유로서는 아라비아헤비를 포함한 이란 헤비, 쿠웨이트, 카프지원유를 들 수 있음.

◈ **주울(Joule)**

에너지, 일, 열량의 정도를 나타내는 기본 단위로 1J=0.239007cal

◈ **지역냉난방(District Heat and Cooling)**
일정지역의 다수의 건물에 동시에 냉난방을 하는 방식. 가정의 집중난방이나 빌딩의 공기조절을 지역적으로 확대한 것으로 중앙에 냉난방 플랜트를 만들어 거기서 파이프를 통하여 주변의 빌딩에 냉난방기능을 공급함.

◈ **지열(Geothermy)**
지열은 지하의 물체가 갖는 열을 말함. 지열은 지구가 생성될 때있던 열로 아직 방열되지 않은 상태이거나 우라늄이나 토륨 같은 방사선원소의 붕괴에 의하여 생기는 것으로 추정. 일본과 같이 화산이 많은 고온지열지대는 지하에 용융암석의 활동에 의한 것으로 여기에 물을 주입하여 증기를 생산하고 이것으로 증기터빈을 돌려서 발전에 이용할 수가 있고 이런 시스템을 지열발전소라고 함. 보통 화산이 없는 지대에서는 약 3000미터 지하로 들어가면 약 섭씨 100도가 되여 지역에 따라서는 이보다 온도가 높을 수 있음. 파리 같은 곳에서는 약 1500미터 정도에서 약70도 전후의 열을 퍼올려 지역난방에 이용.

◈ **천연가솔린(NGL / Natural Gas Liquid)**
거의 납사로만 구성된 원유로 천연가솔린이라고 불리기도하며 주로 천연가스전에서 천연가스를 생산하는 가운데 생산됨. 납사가 주성분이면서 소량의 LPG유분, 등유 유분, 경유 유분을 포함하고 있는 Condensate와는 달리 거의 납사로만 구성되어 있어 아주 간단한 처리를 거치거나 또는 처리를 거치지 않고 바로 납사로 사용할 수 있음.

◈ **천연가스(Natural Gas)**
주로 메탄으로 구성되며, 지하 저장층에 천연으로 부존함.

◈ **천연에너지(Natural Energy)**
기술적 혹은 경제적 개발의 가능성을 고려하지 않는 천연적으로 발생하는 모든 에너지형태와 원천.

◈ **최종에너지(Final Energy)**
유효에너지로 변환되기 위해 소비자에게 제공되는 에너지.

◈ **최종 에너지소비(Final Energy Consumption)**
최종에너지 소비자에게 공급된 에너지양으로 전환손실 및 에너지산업체의 자체소비는 제외함.

◈ **추정매장량(Possible Reserves)**
생산성 시험에 의해 석유의 부존이 확인되지는 않았지만, 현재까지의 자료에 의하면 석유의 부존과 생산이 가능한 곳의 매장량.

◈ **코크스(Coke)**
석탄을 공기가 없는 상태에서 열을 가함으로써 얻는 고체연료.

◈ **코크 오븐 가스(Coke-oven Gases)**
코오크 오븐에서 생성되는 가스

◈ **콘덴세이트(Condensate)**
일부 천연가스에 섞여 나오는 경질의 휘발성 액체 탄화수소로 여러 가지 의미가 혼용되고 있으나 일반적으로 콘덴세이트라 함은 API 40-50도 이상의 초경질 원유를 말하며 주 성분은 납사이고 소량의 중간유분(등유유분 및 경유유분) 및 잔사유분을 함유하고 있음.

◈ **KWH (Kilowatt-hour)**
1,000W(1kW)의 전력을 한시간 동안 제공하거나 소비했을때의 전력량에 해당하는 에너지.

◈ **탄력성(Elasticity)**
동일기간에 독립변수의 변화에 대한 종속변수의 관련된 변화간의 관계.

◈ **탄화(건류)(Carbonization(drying))**
공기가 없는 상태에서 유기원료를 가열하여 코우크스와 조 석탄 가스 및 조 타르를 얻는 것.

◈ **태양열발전소(Solar Thermal Power Station)**
태양열을 열 매체에 전달하여 수집된 열에너지를 전기에너지로 바꾸도록 설계된 발전시설.

◈ **태양전지(Solar Photovoltaic Cell)**
광기전력효과(photovoltaic effect)를 응용함으로써 태양에너지를 직접 전기에너지로 변환할 수 있는 소자. 광기전력효과에서와 같이 태양광에 의해서 발생된 전하운반자(Carrier)는 내부전기장에 의하여 외부회로를 통하여 흐르게 됨.

◈ **탱크로리(Road tanker / Tank truck)**
석유제품과 같은 액체화물의 수송을 위한 차량.

◈ **터빈(Turbine)**
기관의 하나로서 작동 매체를 터빈축차의 회전 날개에 부딪치게 함으로써 동력축에 동력을 공급하는데 필요한 회전동작을 얻는 것.

◈ **토탄(Peat)**
가연성, 연성, 다공성이거나 압축성, 수분함량이 높은 식물성의 화석 퇴적물(최고 90%까지의 높은 수분함량). 쉽게 부서지고 연한 갈색에서 짙은 갈색.

◈ **폐열의 이용(Utilization of Waste Heat)**
쓰레기 소각로의 폐기율이용은 폐열보일러에서 발생되는 증기 또는 온수의 열로 쓰여짐. 증기이용법으로는 발전, 냉·난반용, 공장프로세스 증기용으로 사용된다. 또 온수는 공장내의 급탕, 목욕탕용, 냉난방용, 수영장 등에 사용.

◈ **프로판(Propane)**
분자식 C_3H_8의 파라핀계 탄화수소로, 일반적으로 석유정제나 천연가스 생산시 부산물로 얻어지는 가스이며 부탄가스와 함께 LPG로 불리며, 중질유 분해나 접촉개질, 천연가스 생산시 부산물로 생산되기도 함. 프로판은 주로 가정에서 취사나 난방에 사용하는 LPG로 천연가스가 공급되지 않는 지역에서는 도시가스로도 사용됨.

◈ **하이브리드카(Hybrid car)**
두가지 에너지 발생방법을 결합한 차량으로 현재는 내연기관과 전기 배터리를 결합한 형태를 선호함.

◈ **항공휘발유(Aviation Gas / Aviation Gasoline)**
제트엔진을 사용하지 않는 소형경량 항공기의 엔진은 자동차의 휘발유엔진(피스톤 엔진)과 같은 구조로 되어있으며 이 엔진에 사용되는 휘발유를 말함. 항공기의 엔진은 자동차의 엔진에 비해 압축비가 높고, 고속으로 회전하며, 지상보다 조건이 까다로운 고공에서 운전되므로 이에 사용되는 휘발유는 고옥탄가가 요구될 뿐만아니라 기타 출력, 휘발성, 산화안정성, 어는점 등의 규격이 일반 자동차용 휘발유보다 까다로움.

◈ **핵연료(Nuclear Fuel)**
우라늄이나 플라토늄 등 중성자에 의한 핵분열을 일으켜 에너지를 발생하는 물질을 함유하는 것을 말함. 이들을 원자로안에 넣어서 핵분열 연쇄반응에 의하여 에너지를 발생시킴.

◈ **화석연료(Fossil Fuel)**

태고의 생물이 지각층에 매장되어 연료로 되어 사용되어지는 천연자원을 총칭해 화석연료라 부름. 통상 석탄, 석유, 천연가스의 탄수화물을 지칭하며, 1차 에너지원으로서의 수력, 지열, 우라늄 등과 구분.

◈ **확인매장량(Confirmed Reserves)**

현재의 기술로써 채굴할 수 있고, 소재가 명백하고, 경제적으로 균형이 맞는 매장량. 물, 가스의 주입등 2차적 수단에 의한 회수가능분까지도 포함하는 것이 보통임.

◈ **CIF(Cost, Insurance and Freight)**

운임·보험료 포함가격(Cost, Insurance and Freight)으로, 무역거래의 기본조건으로서 가장 넓게 사용. 이 조건으로 수출계약을 체결한 판매자는 화물을 수출항의 본선에 선적할 때까지의 위험과 비용을 부담하는 이외에도 목적까지의 운임과 보험료를 부담해야만 함.

◈ **D. D 원유(Direct Deal Crude Oil)**

직접거래 원유. 산유국이 개발한 원유, 합병·청부·PS방식에 의한 원유, 로얄티의 현물 지불원유 등을 메이저를 비롯 외국의 석유회사를 통하지 않고 소비국의 석유회사와 직접 거래하는 것을 말함.

◈ **FOB(Free on board)**

본선인도가격이라고 불리며 CIF와 더불어 가장 많이 이용되는 무역조건. 이 조건에서는 구매자의 본선에 화물을 적재할 때까지의 비용과 위험을 판매자가 부담함.

◈ **GDP(Gross Domestic Product)**

국내 총생산, 국민소득의 크기를 측정하는 데에는 2가지 방법이 있음. 그 나라의 거주자가 소유한 생산요소로부터 발생한 소득인 국민 총생산(GNP)을 이용하는 경우와 그 나라의 영역내에서 생산된 소득의 국내총생산(GDP)을 이용하는 경우가 있음. 대외투자가 많이 차지하는 나라에서는 이자, 배당, 이윤 등 해외로부터의 요소소득이 큰 경우 GNP는 GDP보다 크다. GNP=GDP-[해외로부터의 순소득(국민의 해외로부터의 소득-국민의 해외로의 지출)]

◈ **G.G 원유(Government to Government Crude Oil)**

정부간의 거래원유를 말함. 산유국의 지분원유에 대하여 산유국 정부 내지 국영석유회사와 소비국정부 또는 국영석유회사가 메이저 등의 석유회사를 개입시키지 않고 직접 거래를 행하는 경우의 대상원유임.

◈ **GNP(Gross national Product)**

국민 총생산, 국민경제가 일정기간에 생산한 최종생산물의 가치액의 합계. 이중계산을 피하기 위해 총생산으로부터 원재료, 중간생산물의 가치액을 공제한 것으로 현실의 시장가격으로 표시.

◈ **IEA(International Energy Agency)**

국제 에너지기구의 약칭. 제1차 석유위기 후의 국제에너지 정세에 대응해 가기 위해 미국의 제창에 의해 1974년 11월에 설립된 석유소비국의 국제기구. 사무국은 파리의 경제협력개발기구 본부내에 있으며, 현재 가맹국은 26개국. 설립당초는 OPEC의 원유공급 삭감과 가격인상에 대응하는 것이 큰 목적이지만, 최근에는 비상시의 석유유통과 대체에너지 개발협력 등에 중점을 둠.

◈ IPCC(Intergovernmental Panel on Climate Change)

기후변동에 관한 정부간 패널 인간활동의 확대에 수반된 대기환경의 변화가 기후, 식량, 에너지, 수자원등 사회 모든분야에 중대한 영향을 미치고, 경제의 지속적 성장을 저해할 지도 모른다는 공통인식하에 구체적 대처를 검토하는 정부간 회의. 1988년 11월 제1회가 제네바에서 개최되어 3개의 위원회가 설치됨. 이 활동은 21세기 에너지정책과 환경정책의 지침이 됨.

◈ NEDO(New Energy and Industrial Technology Development Organization)

일본의 신에너지 산업기술종합개발기구 두차례의 석유위기로 탈석유대책의 필요성이 고양되었으며, 원자력이외의 에너지중 실용화 전망이있는 석유대체에너지의 효율적인 연구개발과 재정적인 지원을 목적으로 1980년 정부출자를 중심으로 설립. 석탄의 가스화·액화, 태양광발전, 풍력, 연료전지, 신형전지저장시스템, 지열 등의 기술개발 이외에 석탄광업합리화사업, 알콜제조사업을 하고 있음. 1993년 3월 에너지절약법 개정에 따라 에너지사용합리화를 위한 기술개발, 기술보급에 필요한 보조금의 교부, 정보 수집·제공 및 기술지도 등의 업무가 추가되었음.

◈ OECD(Organization for Economic Cooperation and Development)

경제협력개발기구. 구주부흥계획(마샬플랜)을 담당했던 구주경제협력기구(OEEC)의 뒤를 이어 OEEC 18개국에 미국, 캐나다가 참가해 1961년 9월에 발족됨. 주요목적은 가맹국의 협력에 의한 경제성장, 무역확대, 개발도상국 원조를 추진하는 데 있으며 현재 30개국이 가입해 있음.

◈ OPEC(Organization of Petroleum Exporting Countries)

석유수출기구 약칭. 1960년 9월 이라크, 쿠웨이트, 사우디아라비아, 베네수엘라, 이란의 5개국에 의해 설립되었으며, 본부는 빈에 있음. OPEC설립의 직접적인 원인은 1959년과 1960년 2회에 걸친 원유공시가격의 대폭적인 인하가 메이저에 의해 일방적으로 행해진 데에 있는데 산유국간의 석유정책협조와 이를 위한 정보수집, 의견교환 등에 목적을 두고 있음. 현재의 가맹국은 위 5개국 이외에 카타르, 인도네시아, 리비아, 아랍에미레이트 연방, 알제리아, 나이지리아, 에쿠아도르, 가봉으로 13개국임.

◈ WTI(West Texas Intermediate)

미국에서 생산되는 대표적인 원유. 뉴욕상품거래소에서 이루어지는 선물거래의 주요상품의 하나로 북해 브랜트 원유와 함께 구미 석유시장의 지표가 됨.

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