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자주찾는 에너지통계

에너지경제연구원
Korea Energy Economics Institute

일러두기

01 "자주 찾는 에너지통계"는 정부 및 주요 공공기관에서 작성한 통계를 종합 편집 한 것으로 각 통계표마다 출처와 주석을 표기하였습니다.

02 통계표의 수치는 해당기관의 사정에 의해 갱신될 수 있습니다.

03 2007년 ~ 2011년, 2012년 이후는 각각의 개정열량을 적용하였습니다.

04 통계표에 사용된 약어는 다음과 같습니다.

- PES Primary Energy Supply(1차에너지 공급)
- FEC Final Energy Consumption(최종에너지 소비)
- Pop Population(인구)
- mil million(백만)
- thou thousand(천)
- Intl International(국제)

05 통계표에 사용된 부호는 다음과 같습니다.

- – 해당 숫자 없음
- p 잠정치
- e 추정치

For the users

01 Figures in this book are obtained from related agencies and institutions. And on the data source, see the notation in the table.

02 The data can be revised by the agencies and institutions concerned.

03 2007-2011, from 2012 figures are based on each revised calorific value.

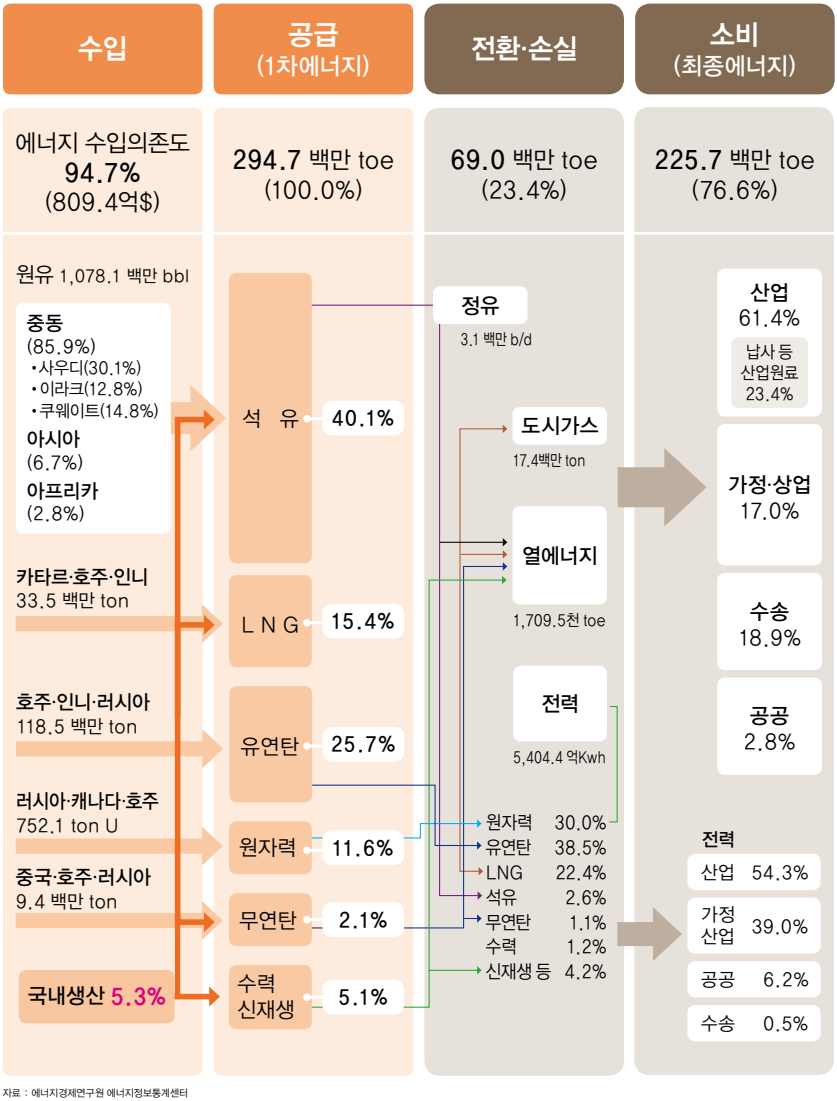
04 Abbreviation

- PES Primary Energy Supply
- FEC Final Energy Consumption
- Pop Population
- mil million
- thou thousand
- Intl International

05 Symbols used in tables are as follows;

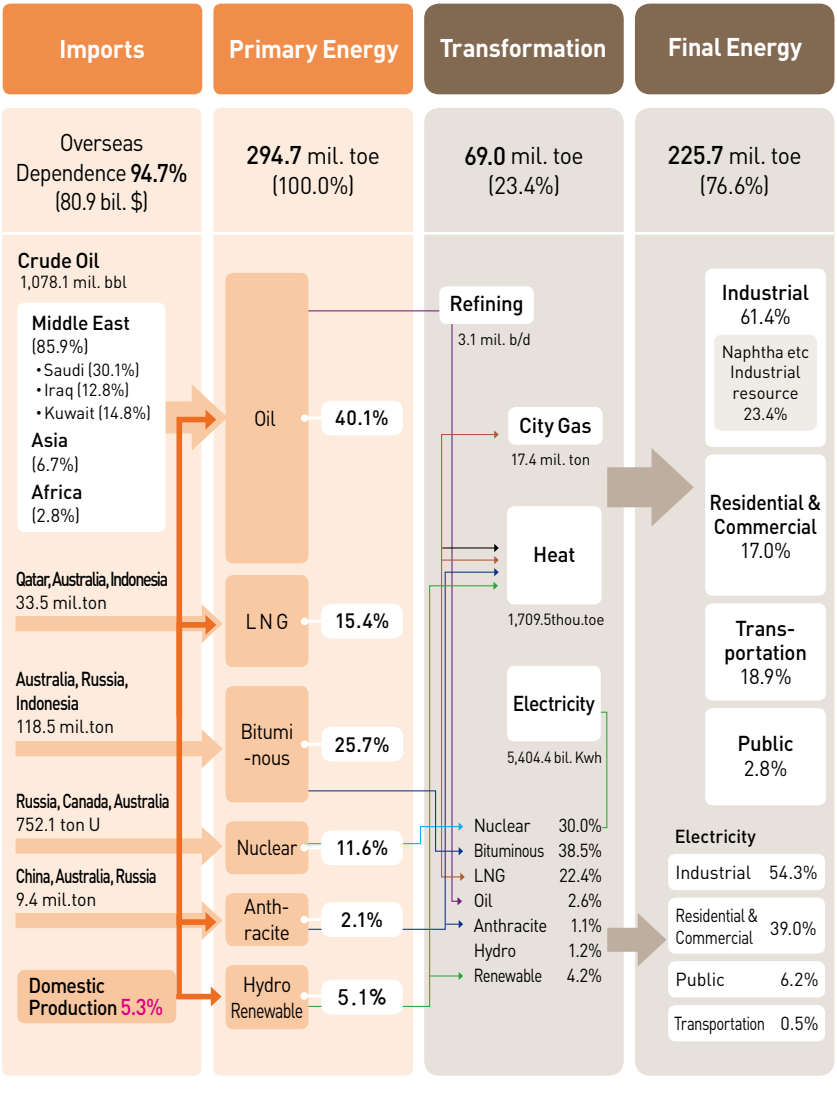
- - Not reported
- p preliminary
- e estimate

2016년 에너지 밸런스 흐름



자료 : 에너지경제연구원 에너지정보통계센터

2016 Energy Balance Flow



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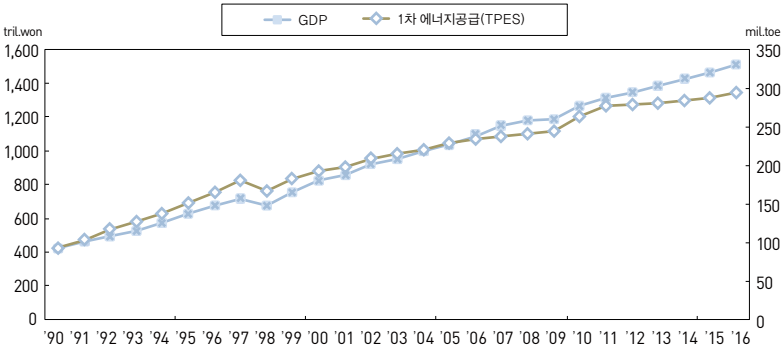

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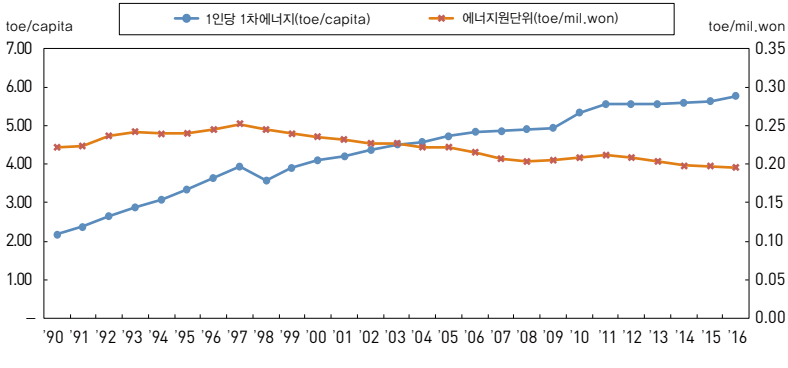

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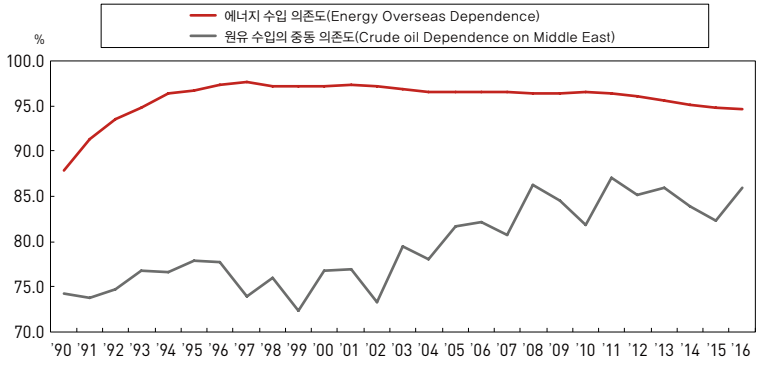

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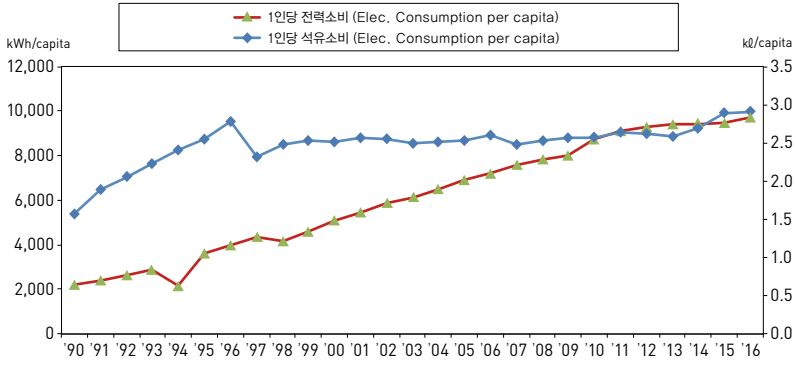

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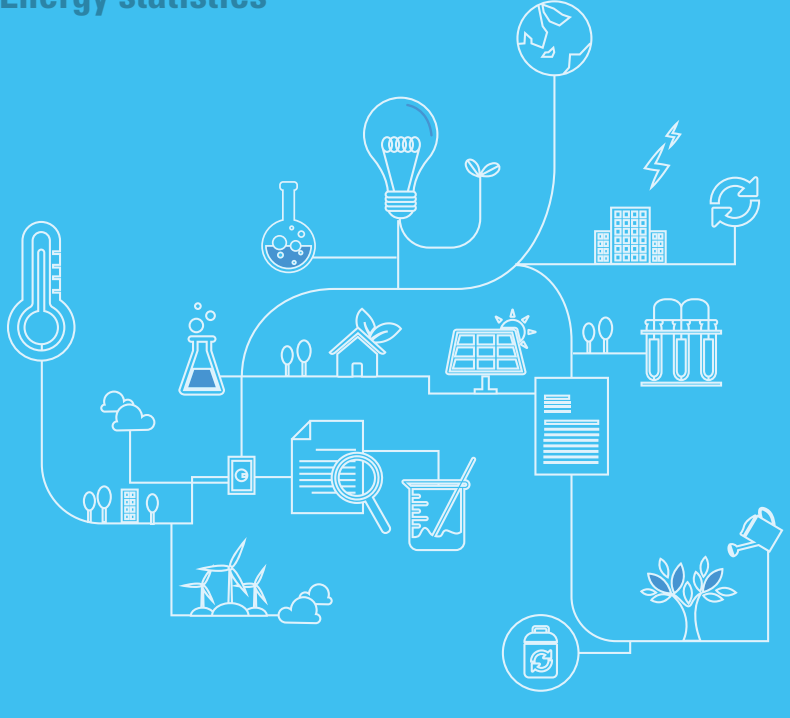
Energy statistics



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01 우리나라 에너지

1-1. 주요 에너지 지표

	GDP단위당 1차에너지[1] (toe/백만 원)	1인당 1차에너지 (toe/인)	1인당 전력소비 (kWh/인)	1인당 가정용 전력소비 (kWh/인)	수입 의존도[2] (%)
1990	0.222	2.17	2,202	414	87.9 (73.7)
1991	0.224	2.39	2,411	450	91.3 (77.7)
1992	0.236	2.65	2,634	498	93.6 (81.4)
1993	0.242	2.87	2,890	541	94.8 (83.3)
1994	0.239	3.07	2,168	595	96.4 (85.7)
1995	0.239	3.34	3,621	628	96.8 (85.6)
1996	0.244	3.63	4,008	673	97.3 (86.1)
1997	0.252	3.93	4,369	700	97.6 (86.9)
1998	0.245	3.58	4,180	711	97.1 (83.6)
1999	0.241	3.89	4,595	742	97.2 (83.0)
2000	0.235	4.10	5,096	789	97.2 (83.1)
2001	0.231	4.19	5,441	828	97.3 (83.2)
2002	0.226	4.38	5,844	887	97.1 (82.9)
2003	0.227	4.49	6,130	931	96.9 (81.8)
2004	0.221	4.58	6,491	1,011	96.6 (81.8)
2005	0.221	4.74	6,899	1,056	96.6 (80.6)
2006	0.215	4.82	7,199	1,084	96.5 (80.6)
2007	0.206	4.86	7,571	1,113	96.6 (83.6)
2008	0.204	4.91	7,850	1,146	96.4 (83.0)
2009	0.205	4.94	8,000	1,168	96.5 (83.4)
2010	0.209	5.33	8,761	1,235	96.5 (84.4)
2011	0.211	5.54	9,113	1,233	96.5 (84.4)
2012	0.208	5.55	9,295	1,266	96.0 (84.6)
2013	0.203	5.56	9,416	1,269	95.7 (85.2)
2014	0.198	5.58	9,411	1,235	95.2 (83.5)
2015	0.196	5.64	9,481	1,250	94.8 (82.7)
2016	0.195	5.75	9,699	1,291	94.7 (83.1)
	TPES/GDP[1] (toe/mil. won)	TPES/Pop. (toe per capita)	Elec. Consumption /Pop. (kWh per capita)	Elec. Consumption for residential/Pop. (kWh per capita)	Overseas Dependence[2] (%)

1. 2010년 연쇄가격기준
2. ( )는 원자력 발전을 국내생산에 포함시 수입의존도
3. 연소에 의한 CO_2 배출량만이며, IEA 에너지밸런스와 개정된 1996년 IPCC 지침에 의해 산출

1-1. Major Energy Indicators

석유의존도 (%)	1차에너지 공급 (천 toe)	최종에너지 소비 (천 toe)	이산화탄소배출[3] (백만CO_2톤)	
53.8	93,192	75,107	231.7	1990
57.5	103,619	83,803	255.7	1991
61.8	116,010	94,623	275.8	1992
61.9	126,879	104,048	302.8	1993
62.9	137,234	112,206	327.3	1994
62.5	150,437	121,962	357.1	1995
60.5	165,212	132,033	381.5	1996
60.4	180,638	144,432	402.1	1997
54.6	165,932	132,128	343.5	1998
53.6	181,363	143,060	378.0	1999
52.0	192,899	149,864	431.7	2000
50.6	198,418	152,959	445.7	2001
49.1	208,640	160,456	435.7	2002
47.6	215,073	164,001	437.6	2003
45.7	220,242	166,013	459.6	2004
44.4	228,628	170,859	457.5	2005
43.6	233,374	173,586	464.6	2006
44.6	236,459	181,459	477.3	2007
41.6	240,771	182,594	488.7	2008
42.1	243,428	182,182	501.9	2009
39.5	263,941	195,723	550.8	2010
38.0	276,755	205,982	573.6	2011
38.1	278,825	208,247	575.3	2012
37.7	280,442	210,296	572.2	2013
37.4	283,092	213,843	567.8	2014
38.1	287,705	218,361	586.0	2015
40.1	294,654	225,681	-	2016
Petroleum Dependence (%)	TPES (thou. toe)	TFEC (thou. toe)	CO_2 Emissions[3] (Mt CO_2)	

1. Based on chained 2010 prices
2. Figures in parentheses denote overseas dependence ratio excluding nuclear generation
3. CO_2 emissions from fuel combustion only. Emissions are calculated using the IEA's energy balances and the Revised 1996 IPCC Guidelines

1-2. 에너지 생산 및 수출입

	국내생산				수입	
	무연탄 (천 톤)	천연가스 (천 톤)	수력 (GWh)	신재생 (천 toe)	석탄(천 톤) 무연탄	석탄(천 톤) 유연탄
1990	19,802	-	6,361	2,845	1,121	22,848
1991	15,938	-	5,051	2,205	1,505	27,906
1992	12,290	-	4,863	723	898	29,208
1993	9,749	-	6,006	742	820	35,158
1994	6,817	-	4,098	906	696	38,710
1995	5,367	-	5,478	1,051	778	43,166
1996	4,406	-	5,202	1,161	27	45,925
1997	3,659	-	5,404	1,344	507	49,312
1998	3,812	-	6,099	1,526	789	50,566
1999	3,803	-	6,067	1,806	1,139	51,101
2000	4,159	-	5,610	2,130	2,038	59,600
2001	4,027	-	4,151	2,456	3,110	61,856
2002	3,808	-	5,309	2,925	3,879	64,640
2003	3,924	-	6,887	3,241	4,640	65,318
2004	3,871	163	5,861	3,977	4,252	72,103
2005	4,347	398	5,189	3,961	4,567	69,330
2006	4,596	355	5,219	4,358	5,113	70,888
2007	4,035	271	5,042	4,828	5,444	79,355
2008	4,134	181	5,563	5,198	5,955	90,470
2009	3,114	383	5,641	5,480	6,468	92,952
2010	2,508	415	6,472	6,064	7,406	106,096
2011	2,239	347	7,831	6,618	8,816	116,118
2012	2,288	334	7,652	8,036	8,055	114,645
2013	2,054	355	8,394	8,987	8,482	116,222
2014	1,642	247	7,820	10,956	8,294	117,873
2015	1,541	144	5,796	12,839	8,938	119,322
2016	1,373	118	6,634	13,575	9,424	118,468
	Anthracite (thou.ton)	LNG (thou.ton)	Hydro (GWh)	Renewables (thou.toe)	Anthracite	Bituminous
					Coal(thou.ton)	
	Domestic Production				Imports	

자료 : 한국무역협회, 한국석유공사

1-2. Energy Production, Import and Export

수입				수출	
석유(천 배럴)		원자력 연료	천연가스	석유제품	
원유	석유제품	(ton U)	(천 톤)	(천 배럴)	
308,368	101,248	170	2,291	27,184	1990
399,304	110,675	205	2,758	69,744	1991
509,377	137,011	138	3,425	91,653	1992
560,563	167,759	354	4,454	103,493	1993
573,714	190,790	313	5,928	89,933	1994
624,945	205,428	310	7,060	120,399	1995
721,927	215,124	378	9,595	155,662	1996
873,415	185,811	449	11,629	228,563	1997
819,094	175,895	844	10,600	294,488	1998
874,090	184,490	612	12,973	293,139	1999
893,943	204,301	576	14,578	306,293	2000
859,367	204,781	723	16,164	295,010	2001
790,992	228,557	778	17,470	239,127	2002
804,809	219,897	750	19,434	209,079	2003
825,790	195,110	808	22,153	235,506	2004
843,203	179,354	714	22,341	262,647	2005
888,794	191,548	737	25,222	289,070	2006
872,541	209,130	823	25,568	292,072	2007
864,872	224,614	883	27,259	333,764	2008
835,085	268,176	913	25,822	330,912	2009
872,415	276,802	824	32,604	341,784	2010
927,044	279,223	907	36,685	408,338	2011
947,292	309,928	748	36,184	440,897	2012
915,075	328,976	795	39,876	429,291	2013
927,524	326,600	721	37,107	448,822	2014
1,026,107	307,869	801	33,366	477,425	2015
1,078,119	334,360	752	33,453	487,716	2016
Crude Oil	Petroleum Products	Uranium	LNG	Petroleum Products (thou.bbl)	
Petroleum(thou.bbl)		(ton U)	(thou.ton)		
Imports				Exports	

Source : Korea International Trade Association, Korea National Oil Corporation

1-3. 국별 석탄 수입

단위 : 천 톤

	원료탄						
	합계	호주	캐나다	중국	미국	러시아	기타[1]
1990	11,287	4,543	3,130	-	2,603	-	1,011
1991	15,572	6,391	5,126	-	2,841	-	1,214
1992	16,381	8,758	3,718	-	2,558	-	1,347
1993	17,320	9,121	4,348	-	2,294	-	1,557
1994	16,901	8,735	3,961	-	2,281	-	1,924
1995	17,151	8,451	4,272	-	2,335	-	2,093
1996	18,226	9,520	4,147	-	2,652	-	1,907
1997	17,395	9,709	3,907	-	2,256	-	1,523
1998	17,976	9,829	3,663	1,313	2,164	256	751
1999	17,227	9,437	3,057	2,134	1,586	308	706
2000	19,575	10,641	4,097	2,781	1,419	394	242
2001	17,899	11,396	3,337	2,341	571	187	66
2002	17,714	11,676	3,298	2,360	-	327	52
2003	17,676	11,714	3,026	1,919	-	976	42
2004	18,954	11,059	4,206	2,232	500	956	-
2005	16,975	9,929	3,842	1,858	795	461	89
2006	16,466	9,963	3,505	1,905	304	741	48
2007	22,532	14,362	5,034	2,172	252	712	-
2008	24,083	14,856	5,072	2,341	1,132	633	49
2009	20,660	12,577	4,371	1,313	1,642	726	31
2010	28,160	16,445	4,944	1,936	3,238	1,553	44
2011	32,234	16,281	6,560	1,922	5,213	2,258	-
2012	31,544	16,320	5,669	1,583	5,954	2,018	-
2013	30,194	15,697	5,450	825	3,536	2,378	2,308
2014	33,175	17,052	1,309	2,390	3,291	5,482	3,651
2015	33,933	21,706	4,813	1,061	2,639	3,532	182
2016	34,803	21,150	5,046	773	2,706	4,293	835
	Total	Australia	Canada	China	U.S.A	Russia	Others[1]
	Cocking Coal						

1. 인도네시아 등이 포함
2. 인도네시아, 남아프리카 등이 포함
자료 : IEA, Oil, Gas, Coal & Electricity(2017. 2Q)

1-3. Coal Imports by Countries

Unit : Thousand metric tons

연료탄							
합계	호주	캐나다	중국	미국	러시아	기타[2]	
11,560	3,870	1,348	-	741	-	5,601	1990
12,333	4,779	1,616	-	703	-	5,235	1991
13,274	5,683	1,171	-	671	-	5,749	1992
17,837	6,502	1,443	-	851	-	9,041	1993
21,798	8,123	1,527	-	823	-	11,325	1994
25,655	9,159	2,157	-	1,658	-	12,681	1995
27,698	9,935	1,859	-	1,518	-	14,386	1996
31,919	12,769	1,992	-	856	-	16,302	1997
32,589	15,724	2,696	6,023	148	393	7,605	1998
33,874	12,233	2,364	10,639	-	531	8,107	1999
40,026	11,597	1,647	18,660	-	2,171	5,950	2000
43,958	12,765	2,114	22,426	71	1,699	4,884	2001
46,926	14,398	1,244	22,931	-	2,566	5,785	2002
47,642	13,619	741	24,611	86	2,058	6,527	2003
53,150	18,072	280	19,065	149	4,087	11,497	2004
52,355	19,850	276	16,253	-	3,030	12,946	2005
54,422	17,637	943	14,307	63	4,058	17,415	2006
65,753	14,799	1,059	17,748	71	5,643	26,433	2007
75,502	23,347	1,450	15,536	44	6,864	28,261	2008
82,324	30,353	3,306	8,353	200	3,994	36,118	2009
90,431	26,512	4,980	5,356	66	7,004	46,513	2010
96,916	28,470	7,944	3,254	854	10,474	45,920	2011
92,725	29,444	6,180	2,363	771	10,944	43,023	2012
96,313	34,754	7,434	2,203	2,524	13,001	36,397	2013
97,857	37,945	11,437	1,040	603	12,679	34,153	2014
99,971	39,446	4,520	641	1,328	19,536	34,500	2015
99,658	31,163	1,498	2,918	1,059	21,155	41,865	2016
Total	Australia	Canada	China	U.S.A	Russia	Others[2]	
Steam Coal							

1. Includes Indonesia etc
2. Includes Indonesia and South Africa etc
Source : IEA, Oil, Gas, Coal & Electricity(2017. 2Q)

1-4. 지역별 원유 수입 Crude Oil Imports by Region

단위 : 천 배럴 Unit : Thousand bbl

	합계	중동				아시아	아프리카	기타
			사우디	UAE	쿠웨이트			
1990	308,368	229,017	39,616	49,877	17,069	62,530	9,689	7,132
1991	399,303	294,357	133,588	46,135	-	82,695	5,551	16,701
1992	509,378	380,452	155,104	53,206	14,372	95,033	12,822	21,071
1993	560,563	430,839	172,413	57,576	29,334	99,147	12,876	17,702
1994	573,714	439,330	177,619	48,598	27,239	91,083	23,225	20,075
1995	624,945	486,528	226,863	70,536	25,233	82,050	37,911	18,456
1996	721,927	561,098	252,665	91,620	41,134	98,631	37,024	25,174
1997	873,415	645,678	267,888	127,395	55,091	122,379	81,119	24,240
1998	819,094	622,005	234,450	122,022	66,894	113,494	61,907	21,689
1999	874,090	632,067	241,747	117,405	53,284	93,517	109,560	38,946
2000	893,943	686,916	264,925	128,064	66,627	112,669	67,749	26,610
2001	859,367	661,649	255,432	128,405	64,407	130,033	39,155	28,530
2002	790,992	579,865	240,765	105,905	56,996	136,756	35,877	38,494
2003	804,809	639,453	250,473	138,869	65,885	100,721	34,156	30,479
2004	825,790	645,183	253,849	145,598	64,659	116,287	42,874	21,447
2005	843,203	689,356	249,337	150,608	79,679	111,937	34,424	7,487
2006	888,794	730,843	261,563	158,865	92,620	110,306	42,814	4,831
2007	872,541	704,020	249,887	141,887	94,031	131,273	35,557	1,690
2008	864,872	746,458	262,637	158,109	104,593	108,482	9,932	-0
2009	835,085	705,363	254,799	114,592	100,090	116,379	11,608	1,734
2010	872,415	713,647	276,787	105,656	103,079	152,354	4,592	1,823
2011	927,044	807,908	291,348	87,234	117,370	108,402	2,772	7,962
2012	947,292	805,971	303,049	86,536	137,647	88,190	9,233	43,898
2013	915,075	786,813	286,588	110,809	139,853	97,047	8,096	23,119
2014	927,524	778,923	292,592	108,472	136,546	88,623	25,301	34,678
2015	1,026,107	844,637	305,779	99,835	141,856	106,263	26,691	48,516
2016	1,078,119	926,201	324,448	87,743	159,273	72,756	30,496	48,666
	Total	Middle East	Saudi Arabia	UAE	Kuwait	Asia	Africa	Others

자료 : 한국석유공사 Source : Korea National Oil Corporation

1-5. 국별 천연가스 수입 LNG Imports by Countries

단위 : 천 톤 Unit : Thousand ton

	합계	인도네시아	말레이시아	브루나이	카타르	오만	호주	기타[1]
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	3,046	698	480	-	-	117
2000	15,239	6,633	2,529	849	3,251	1,619	54	304
2001	15,318	4,055	2,175	591	4,655	3,784	57	0
2002	17,993	5,256	2,400	769	5,123	3,970	176	298
2003	19,308	5,200	2,798	610	5,694	4,714	123	169
2004	21,781	5,290	4,638	838	5,818	4,411	285	501
2005	22,317	5,502	4,688	594	6,211	4,244	748	332
2006	25,256	5,060	5,546	850	6,458	5,221	701	1,420
2007	25,569	3,755	6,161	590	8,031	4,792	422	1,817
2008	27,259	3,053	6,247	738	8,744	4,544	398	3,535
2009	25,822	3,084	5,874	530	6,973	4,551	1,314	3,496
2010	32,603	5,451	4,745	787	7,449	4,557	1,030	8,585
2011	36,685	7,894	4,144	756	8,153	4,195	787	10,755
2012	36,184	7,445	4,082	773	10,278	4,127	832	8,647
2013	39,876	5,627	4,314	1,141	13,354	4,331	620	10,488
2014	37,107	5,176	3,673	717	12,853	3,726	836	10,126
2015	33,366	3,776	3,698	1,228	12,442	3,990	1,952	6,279
2016	33,453	4,362	3,813	1,402	11,880	4,081	4,695	3,221
	Total	Indonesia	Malaysia	Brunei	Qatar	Oman	Australia	Others[1]

1. 러시아, 예멘, 적도기니, 트리니다드, 나이지리아, 알제리, 아랍에미레이트 등임
자료 : 한국무역협회

1. Includes Russia, Yemen, Equatorial Guinea, Trinidad, Nigeria, Algeria and UAE etc
Source : Korea International Trade Association

1-6-1. 1차 에너지 공급(물량)

	석탄 (천 톤)	무연탄	유연탄	석유 (천 배럴)	에너지유	LPG
1990	43,405	21,529	21,876	356,348	267,514	35,712
1991	42,392	17,557	24,835	424,667	308,487	43,131
1992	39,814	13,597	26,217	514,224	352,828	53,917
1993	42,419	10,867	31,552	564,575	386,698	59,437
1994	42,660	7,549	35,111	621,498	424,675	63,452
1995	44,352	6,263	38,089	677,210	469,010	66,468
1996	50,277	5,370	44,907	721,065	499,962	68,441
1997	53,942	4,230	49,712	793,899	507,218	71,623
1998	55,892	4,631	51,261	670,278	370,853	67,992
1999	59,129	4,992	54,137	719,657	405,864	77,007
2000	66,543	6,197	60,346	742,557	409,673	84,688
2001	70,837	7,137	63,700	743,667	404,727	84,377
2002	75,961	7,687	68,274	762,868	402,143	91,415
2003	79,130	8,581	70,549	762,941	395,124	88,606
2004	82,121	8,137	73,984	752,329	371,241	88,432
2005	84,830	9,034	75,796	761,080	367,053	91,668
2006	87,830	9,829	78,001	765,520	355,881	93,451
2007	94,135	9,698	84,438	794,945	352,955	97,143
2008	104,228	10,215	93,013	760,641	320,153	101,881
2009	108,566	9,777	98,789	778,480	319,865	106,320
2010	121,249	10,104	111,146	794,278	326,416	105,175
2011	131,051	11,182	119,870	801,642	312,603	99,201
2012	128,351	10,479	117,872	827,679	315,216	95,473
2013	129,800	10,722	119,078	825,202	311,944	93,057
2014	133,572	10,173	123,399	821,457	298,971	89,577
2015	135,203	10,657	124,547	856,206	321,834	89,866
2016	129,428	10,919	118,510	924,173	349,000	108,961
	Coal (thou.ton)	Anthracite	Bituminous	Petroleum (thou.bbl)	Energy Use	LPG

1. 1991년 이전은 임산연료 기준임

1-6-1. Total Primary Energy Supply(Quantity Basis)

비에너지유	천연가스 (천 톤)	수력 (GWh)	원자력 (GWh)	신재생[1] (천 toe)	
53,123	2,329	6,361	52,887	797	1990
73,048	2,694	5,051	56,311	614	1991
107,479	3,524	4,863	56,530	723	1992
118,440	4,402	6,006	58,138	742	1993
133,371	5,860	4,098	58,651	906	1994
141,731	7,087	5,478	67,029	1,051	1995
152,662	9,363	5,202	73,925	1,161	1996
215,059	11,379	5,404	77,086	1,344	1997
231,433	10,645	6,099	89,689	1,526	1998
236,786	12,961	6,067	103,064	1,806	1999
248,196	14,557	5,610	108,964	2,130	2000
254,563	15,990	4,151	112,133	2,456	2001
269,310	17,768	5,309	119,102	2,925	2002
279,211	18,610	6,887	129,659	3,241	2003
292,655	21,809	5,861	130,715	3,977	2004
302,359	23,350	5,189	146,779	3,961	2005
316,189	24,619	5,219	148,749	4,358	2006
344,848	26,664	5,042	142,937	4,828	2007
338,607	27,439	5,563	150,958	5,198	2008
352,295	26,083	5,641	147,771	5,480	2009
362,688	33,083	6,472	148,596	6,064	2010
389,839	35,603	7,831	154,723	6,618	2011
416,990	38,485	7,652	150,328	8,036	2012
420,201	40,278	8,394	138,784	8,987	2013
432,908	36,636	7,820	156,407	10,956	2014
444,506	33,446	5,796	164,762	12,839	2015
466,212	34,906	6,634	161,995	13,575	2016
Non-Energy Use	LNG (thou.ton)	Hydro (GWh)	Nuclear (GWh)	Renewables[1] (thou.toe)	

1. Before 1991, based on firewood

1-6-2. 1차 에너지 공급(열량)

단위 : 천toe

	합계	석탄			석유			
			무연탄	유연탄		에너지유	LPG	비에너지유
1990	93,192	24,385	9,947	14,438	50,175	39,653	3,601	6,921
1991	103,619	24,535	8,144	16,391	59,627	45,773	4,339	9,515
1992	116,010	23,618	6,315	17,303	71,740	52,311	5,441	13,988
1993	126,879	25,882	5,058	20,824	78,495	57,139	5,990	15,366
1994	137,234	26,680	3,507	23,173	86,343	62,680	6,398	17,264
1995	150,437	28,091	2,953	25,139	93,955	68,949	6,675	18,331
1996	165,212	32,200	2,561	29,639	99,898	73,264	6,874	19,760
1997	180,638	34,799	1,989	32,810	109,080	74,144	7,201	27,735
1998	165,932	36,039	2,207	33,832	90,582	53,952	6,877	29,753
1999	181,363	38,155	2,425	35,731	97,270	59,007	7,808	30,455
2000	192,899	42,923	3,094	39,829	100,279	59,743	8,644	31,893
2001	198,418	45,720	3,678	42,042	100,385	59,049	8,676	32,660
2002	208,640	49,102	4,041	45,061	102,414	58,601	9,398	34,415
2003	215,073	51,123	4,560	46,563	102,380	57,605	9,140	35,634
2004	220,242	53,131	4,302	48,829	100,638	54,100	9,153	37,385
2005	228,628	54,794	4,768	50,025	101,526	53,416	9,484	38,626
2006	233,374	56,688	5,208	51,480	101,831	51,800	9,689	40,342
2007	236,459	59,658	5,585	54,073	105,494	50,738	10,127	44,629
2008	240,771	66,079	5,906	60,173	100,170	45,705	10,647	43,819
2009	243,428	68,720	5,812	62,908	102,336	45,607	11,079	45,651
2010	263,941	77,228	6,141	71,087	104,301	46,420	10,924	46,956
2011	276,755	83,759	6,898	76,860	105,146	44,296	10,303	50,547
2012	278,825	81,105	5,850	75,254	106,165	44,327	9,912	51,926
2013	280,442	82,067	6,022	76,044	105,811	43,719	9,701	52,391
2014	283,092	84,766	5,593	79,173	104,944	41,671	9,343	53,930
2015	287,705	85,699	5,891	79,808	109,566	44,946	9,303	55,317
2016	294,654	81,872	6,060	75,813	118,108	48,906	11,166	58,037
	Total	Coal	Anthracite	Bituminous	Petroleum	Energy Use	LPG	Non-Energy Use

주 : 2007년~2011년, 2012년 이후는 각각의 개정열량을 적용

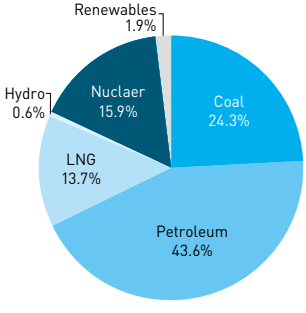
1-6-2. Total Primary Energy Supply(Calorie Basis)

Unit : Thousand toe

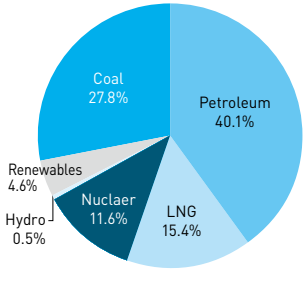
천연가스	수력	원자력	신재생	
3,023	1,590	13,222	797	1990
3,503	1,263	14,078	617	1991
4,581	1,216	14,133	723	1992
5,723	1,502	14,535	742	1993
7,618	1,025	14,663	906	1994
9,213	1,369	16,757	1,051	1995
12,172	1,301	18,481	1,161	1996
14,792	1,351	19,272	1,344	1997
13,838	1,525	22,422	1,526	1998
16,849	1,517	25,766	1,806	1999
18,924	1,402	27,241	2,130	2000
20,787	1,038	28,033	2,456	2001
23,099	1,327	29,776	2,925	2002
24,194	1,722	32,415	3,241	2003
28,351	1,465	32,679	3,977	2004
30,355	1,297	36,695	3,961	2005
32,004	1,305	37,187	4,358	2006
34,663	1,084	30,731	4,828	2007
35,671	1,196	32,456	5,198	2008
33,908	1,213	31,771	5,480	2009
43,008	1,391	31,948	6,064	2010
46,284	1,684	33,265	6,618	2011
50,185	1,615	31,719	8,036	2012
52,523	1,771	29,283	8,987	2013
47,773	1,650	33,002	10,956	2014
43,613	1,223	34,765	12,839	2015
45,518	1,400	34,181	13,575	2016
LNG	Hydro	Nuclear	Renewables	

Note : 2007~2011, from 2012 figures are based on each revised calorific value

2006 233.4 Mtoe



2016 294.7 Mtoe



1-7-1. 최종 에너지 소비(물량)

	석탄 (천 톤)	무연탄	유연탄	석유 (천 배럴)	에너지유	LPG
1990	35,699	19,546	16,153	323,981	237,771	33,307
1991	34,546	15,487	19,059	378,588	267,001	38,540
1992	31,547	11,652	19,895	455,529	300,618	47,432
1993	31,139	8,595	22,544	506,290	337,176	50,674
1994	28,092	5,357	22,735	554,923	368,254	53,298
1995	27,702	3,842	23,860	601,515	406,001	53,783
1996	28,815	2,856	25,959	644,746	435,419	56,664
1997	28,923	1,925	26,998	719,247	440,397	63,791
1998	27,759	2,180	25,579	642,761	347,509	63,818
1999	28,280	2,440	25,840	689,445	380,164	72,495
2000	30,388	3,347	27,042	698,709	369,026	81,488
2001	31,546	4,447	27,099	698,207	361,145	82,499
2002	33,260	5,129	28,131	722,304	363,256	89,739
2003	34,789	5,871	28,918	722,656	355,771	87,679
2004	34,253	5,781	28,472	719,281	339,146	87,482
2005	34,624	6,680	27,944	729,891	337,261	90,271
2006	35,275	7,473	27,802	734,599	325,797	92,617
2007	36,493	7,542	28,951	763,585	322,402	96,376
2008	39,477	8,255	31,222	740,940	302,686	99,679
2009	36,115	8,417	27,698	752,234	296,169	103,871
2010	43,736	9,265	34,472	767,386	304,600	100,279
2011	50,115	10,639	39,477	778,899	296,647	92,692
2012	48,624	9,888	38,736	796,495	291,757	88,100
2013	49,785	10,399	39,386	799,075	288,158	91,359
2014	53,301	8,129	45,172	808,496	287,601	88,844
2015	52,724	8,531	44,193	841,558	309,100	88,972
2016	49,389	8,640	40,748	902,399	329,386	107,873
	Coal (thou.ton)	Anthracite	Bituminous	Petroleum (thou.bbl)	Energy Use	LPG

1-7-1. Final Energy Consumption(Quantity Basis)

비에너지유	천연가스 (천 톤)	도시가스 (백만 Nm³)	전력 (GWh)	열에너지 (천 toe)	신재생 (천 toe)	
52,904	-	963	94,384	75	797	1990
73,048	-	1,467	104,375	80	617	1991
107,479	-	2,114	115,244	143	723	1992
118,440	-	2,883	127,734	360	742	1993
133,371	-	3,864	96,794	460	906	1994
141,731	-	5,327	163,270	641	1,051	1995
152,662	-	6,607	182,470	811	1,161	1996
215,059	-	7,708	200,784	909	1,344	1997
231,433	-	8,024	193,470	861	1,526	1998
236,786	-	10,012	214,215	1,000	1,806	1999
248,196	-	11,963	239,535	1,119	2,130	2000
254,563	-	12,657	257,731	1,150	2,456	2001
269,309	-	13,873	278,451	1,223	2,925	2002
279,207	-	14,734	293,599	1,300	3,210	2003
292,653	-	15,420	312,096	1,343	3,928	2004
302,359	-	16,963	332,413	1,530	3,896	2005
316,185	-	17,504	348,720	1,425	4,092	2006
344,807	-	17,967	368,605	1,438	4,491	2007
338,575	-	18,734	385,070	1,512	4,747	2008
352,193	-	18,445	394,474	1,551	4,867	2009
362,507	430	19,982	434,160	1,718	5,346	2010
389,560	616	21,679	455,070	1,702	5,834	2011
416,638	550	23,776	466,593	1,751	7,124	2012
419,558	358	23,890	474,849	1,695	7,779	2013
432,050	353	22,091	477,592	1,567	9,179	2014
443,487	335	20,785	483,655	1,559	10,623	2015
465,140	386	21,271	497,039	1,710	10,936	2016
Non-Energy Use	LNG (thou.ton)	City Gas (million Nm³)	Electiricity (GWh)	Heat (thou.toe)	Renewables (thou.toe)	

1-7-2. 최종 에너지 소비(열량)

단위 : 천 toe

	합계	석탄			석유			
			무연탄	유연탄		에너지유	LPG	비에너지유
1990	75,107	19,855	9,194	10,661	45,252	34,991	3,368	6,893
1991	83,803	19,915	7,336	12,579	52,675	39,266	3,894	9,515
1992	94,623	18,688	5,558	13,131	62,939	44,139	4,812	13,988
1993	104,048	19,058	4,179	14,879	69,876	49,369	5,141	15,366
1994	107,928	17,670	2,665	15,005	76,511	53,833	5,414	17,264
1995	121,962	17,758	2,011	15,748	82,876	59,100	5,445	18,331
1996	132,033	18,718	1,585	17,133	88,714	63,221	5,733	19,760
1997	144,432	18,918	1,099	17,819	97,901	63,724	6,442	27,735
1998	132,128	18,151	1,269	16,882	86,526	50,300	6,472	29,753
1999	143,060	18,498	1,444	17,055	92,821	54,995	7,371	30,455
2000	149,864	19,847	2,012	17,848	93,596	53,369	8,333	31,893
2001	152,959	20,532	2,656	17,885	93,356	52,203	8,493	32,660
2002	160,456	21,629	3,068	18,566	96,159	52,509	9,235	34,415
2003	164,001	22,610	3,530	19,086	96,155	51,471	9,050	35,634
2004	166,013	22,194	3,407	18,791	95,513	49,067	9,061	37,385
2005	170,859	22,311	3,873	18,443	96,718	48,744	9,348	38,626
2006	173,586	22,660	4,313	18,349	97,037	47,088	9,608	40,342
2007	181,459	24,249	4,583	19,671	100,622	45,946	10,052	44,623
2008	182,594	26,219	4,994	21,243	97,217	42,971	10,432	43,814
2009	182,182	23,895	5,180	18,832	98,369	41,893	10,840	45,636
2010	195,723	29,164	5,751	23,549	100,381	43,002	10,448	46,931
2011	205,982	33,544	6,646	27,017	101,976	41,799	9,670	50,507
2012	208,247	31,964	5,584	26,507	101,710	40,639	9,194	51,876
2013	210,296	32,831	5,877	26,954	101,809	39,972	9,536	52,301
2014	213,843	35,566	4,580	30,985	102,957	39,876	9,271	53,810
2015	218,361	35,147	4,836	30,310	107,322	42,934	9,214	55,175
2016	225,681	32,840	4,928	27,912	114,760	45,814	11,059	57,887
	Total	Coal	Anthracite	Bituminous	Petroleum	Energy Use	LPG	Non-Energy Use

주 : 2007년~2011년, 2012년 이후는 각각의 개정열량을 적용

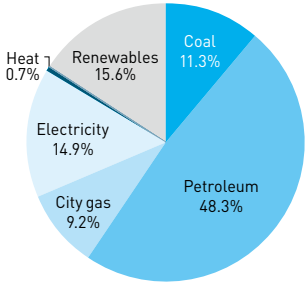
1-7-2. Final Energy Consumption(Calorie Basis)

Unit : Thousand toe

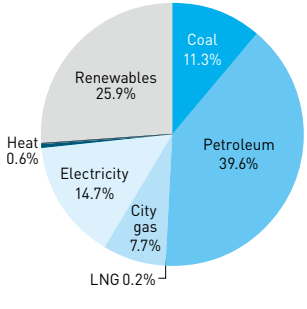
천연가스	도시가스	전력	열에너지	신재생	
-	1,011	8,117	75	797	1990
-	1,540	8,976	80	617	1991
-	2,219	9,911	143	723	1992
-	3,027	10,985	360	742	1993
-	4,057	8,324	460	906	1994
-	5,594	14,041	641	1,051	1995
-	6,937	15,692	811	1,161	1996
-	8,093	17,267	909	1,344	1997
-	8,425	16,638	861	1,526	1998
-	10,513	18,422	1,000	1,806	1999
-	12,561	20,600	1,119	2,130	2000
-	13,290	22,165	1,150	2,456	2001
-	14,567	23,947	1,223	2,925	2002
-	15,470	25,250	1,300	3,210	2003
-	16,191	26,840	1,343	3,928	2004
-	17,811	28,588	1,530	3,896	2005
-	18,379	29,990	1,425	4,092	2006
-	18,955	31,700	1,438	4,491	2007
-	19,765	33,116	1,512	4,747	2008
-	19,459	33,925	1,551	4,867	2009
559	21,081	37,338	1,718	5,346	2010
801	22,871	39,136	1,702	5,834	2011
717	24,728	40,127	1,751	7,124	2012
467	24,878	40,837	1,695	7,779	2013
460	23,041	41,073	1,567	9,179	2014
437	21,678	41,594	1,559	10,623	2015
504	22,186	42,745	1,710	10,936	2016
LNG	City Gas	Electiricity	Heat	Renewables	

Note : 2007~2011, from 2012 figures are based on each revised calorific value

2006 173.6 Mtoe



2016 225.7 Mtoe



1-8-1. 부문별 최종 에너지 소비(물량)

	산업 (천 toe)	석탄 (천 톤)	석유 (천 배럴)	천연가스 (천 톤)	도시가스 (백만 Nm³)	전력 (GWh)	가정·상업 (천 toe)	석탄 (천 톤)	석유 (천 배럴)
1990	36,150	16,436	139,263	-	223	59,249	21,971	19,217	67,510
1991	42,914	19,362	170,654	-	298	65,184	21,919	15,184	77,319
1992	50,825	20,338	218,372	-	359	70,505	23,008	11,189	93,920
1993	55,591	23,302	234,365	-	438	76,525	25,042	7,837	110,552
1994	59,937	23,408	258,593	-	572	86,354	25,941	4,684	115,395
1995	62,946	24,697	266,039	-	822	96,436	29,451	3,005	131,803
1996	67,868	26,854	281,567	-	1,139	106,737	31,713	1,961	139,760
1997	77,908	27,534	348,501	-	1,425	116,383	33,071	1,389	140,977
1998	76,039	26,530	345,804	-	1,725	108,828	27,418	1,229	100,640
1999	79,858	27,163	355,721	-	2,410	120,859	31,929	1,117	118,856
2000	83,925	29,196	362,034	-	3,151	132,260	32,370	1,192	105,148
2001	85,167	30,316	359,930	-	3,440	135,791	32,893	1,230	97,741
2002	89,203	32,085	374,906	-	3,794	144,454	34,299	1,175	94,699
2003	90,811	33,598	374,669	-	3,978	150,387	34,964	1,191	88,335
2004	92,996	32,868	383,078	-	4,173	158,337	34,807	1,385	77,526
2005	94,370	32,614	388,857	-	4,434	166,813	36,861	2,010	75,758
2006	97,237	32,948	403,696	-	4,616	174,661	35,987	2,327	60,676
2007	104,332	34,402	429,531	-	4,952	186,252	35,916	2,091	56,526
2008	106,477	37,188	421,209	-	5,624	194,630	36,225	2,289	53,048
2009	106,235	34,174	434,938	-	5,584	197,743	35,722	1,941	49,916
2010	117,046	41,877	442,511	430	6,947	223,171	37,256	1,859	51,651
2011	127,005	48,293	459,610	616	7,946	242,204	37,542	1,822	47,807
2012	128,451	46,791	477,950	550	9,135	249,136	37,884	1,833	43,542
2013	130,379	47,868	481,961	358	9,510	256,841	37,408	1,917	40,949
2014	135,331	51,672	491,847	353	8,677	264,618	35,539	1,629	38,518
2015	135,713	51,251	500,991	335	7,329	265,633	36,603	1,473	43,092
2016	138,469	48,134	542,566	386	7,226	269,975	38,261	1,255	46,003
	Industry (thou.toe)	Coal (thou.ton)	Petroleum (thou.bbl)	LNG (thou.ton)	City gas (mil.m³)	Electricity (GWh)	Residential·Commercial(thou.toe)	Coal (thou.ton)	Petroleum (thou.bbl)

1-8-1. Final Energy Consumption by Sector(Quantity Basis)

도시가스 (백만 Nm³)	전력 (GWh)	열에너지 (천 toe)	수송 (천 toe)	석유 (천 배럴)	도시가스 (백만 Nm³)	전력 (GWh)	공공 (천 toe)	
740	28,147	75	14,173	101,145	-	1,012	2,812	1990
1,104	31,770	79	16,156	115,144	-	1,091	2,813	1991
1,676	36,910	142	18,531	132,198	-	1,175	2,259	1992
2,333	42,594	356	21,119	150,695	-	1,258	2,296	1993
3,155	49,936	454	23,860	170,391	-	1,446	2,467	1994
4,387	55,827	632	27,148	193,711	-	1,607	2,416	1995
5,322	63,534	796	29,792	212,744	-	1,682	2,659	1996
6,130	70,816	892	30,738	219,626	-	1,761	2,715	1997
6,146	71,182	848	26,184	187,734	-	1,580	2,487	1998
7,413	78,993	982	28,625	205,885	-	1,730	2,648	1999
8,594	91,753	1,096	30,945	223,453	-	2,037	2,625	2000
8,964	104,707	1,125	31,909	231,096	7	2,257	2,989	2001
9,753	114,639	1,196	33,763	244,045	76	2,271	3,191	2002
10,370	123,083	1,269	34,632	249,625	139	2,331	3,593	2003
10,755	132,005	1,312	34,615	249,108	226	2,475	3,595	2004
11,908	142,248	1,491	35,559	255,354	323	2,601	4,068	2005
12,245	149,799	1,391	36,527	261,140	452	2,534	3,836	2006
12,162	157,131	1,401	37,068	268,446	583	2,433	4,143	2007
12,097	164,457	1,476	35,793	258,279	736	2,277	4,100	2008
11,689	169,694	1,509	35,930	258,356	910	2,174	4,295	2009
11,838	181,813	1,675	36,938	263,945	1,054	2,191	4,483	2010
12,513	183,233	1,661	36,875	262,621	1,113	2,246	4,560	2011
13,267	186,619	1,711	37,143	265,983	1,200	2,250	4,769	2012
13,039	186,944	1,657	37,330	267,364	1,247	2,168	5,178	2013
12,080	182,624	1,528	37,636	268,775	1,253	2,003	5,336	2014
12,139	186,276	1,520	40,292	287,095	1,235	2,217	5,753	2015
12,744	193,608	1,671	42,714	303,578	1,217	2,689	6,237	2106
City Gas (mil.m³)	Electricity (GWh)	Heat (thou.toe)	Transport (thou.toe)	Petroleum (thou.bbl)	City Gas (mil.m³)	Electricity (GWh)	Public (thou.toe)	

1-8-2. 부문별 최종 에너지 소비(열량)

단위 : 천 toe

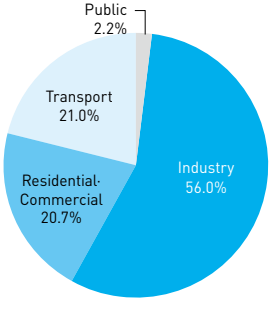
	합계	산업						가정·상업		
			석탄	석유	천연가스	도시가스	전력		석탄	석유
1990	75,107	36,150	10,806	20,014	-	235	5,095	21,971	9,027	8,876
1991	83,803	42,914	12,745	24,251	-	313	5,606	21,919	7,170	10,161
1992	94,623	50,825	13,388	30,514	-	377	6,063	23,008	5,288	12,405
1993	104,048	55,591	15,327	32,654	-	460	6,581	25,042	3,731	14,669
1994	112,206	59,937	15,403	35,881	-	600	7,426	25,941	2,267	15,375
1995	121,962	62,946	16,244	36,810	-	863	8,293	29,451	1,514	17,632
1996	132,033	67,868	17,668	38,913	-	1,196	9,179	31,713	1,050	18,623
1997	144,432	77,908	18,139	47,141	-	1,496	10,009	33,071	779	18,719
1998	132,128	76,039	17,448	46,133	-	1,812	9,359	27,418	703	13,130
1999	143,060	79,858	17,845	47,521	-	2,530	10,394	31,929	653	15,554
2000	149,864	83,925	19,141	48,193	-	3,308	11,374	32,370	718	13,492
2001	152,959	85,167	19,814	47,848	-	3,612	11,678	32,893	727	12,474
2002	160,456	89,203	20,938	49,499	-	3,984	12,423	34,299	697	11,955
2003	164,001	90,811	21,894	49,304	-	4,177	12,933	34,964	722	11,156
2004	166,013	92,996	21,423	50,236	-	4,382	13,617	34,807	775	9,773
2005	170,859	94,370	21,242	50,905	-	4,656	14,346	36,861	1,074	9,437
2006	173,586	97,237	21,435	52,474	-	4,847	15,021	35,986	1,226	7,513
2007	181,459	104,332	23,240	56,150	-	5,225	16,018	35,916	1,014	7,049
2008	182,594	106,477	25,149	54,745	-	5,933	16,738	36,225	1,088	6,654
2009	182,182	106,235	23,072	56,391	-	5,891	17,006	35,722	940	6,187
2010	195,723	117,046	28,400	57,351	559	7,329	19,193	37,255	901	6,450
2011	205,982	127,005	32,791	59,635	801	8,383	20,830	37,542	871	5,929
2012	208,247	128,451	31,259	59,748	717	9,501	21,426	37,884	832	5,363
2013	210,296	130,379	31,959	60,114	467	9,903	22,088	37,341	872	4,992
2014	213,843	135,331	34,820	61,188	460	9,050	22,757	35,539	745	4,701
2015	218,361	135,713	34,474	62,186	437	7,644	22,844	36,603	672	5,313
2016	225,681	138,469	32,269	66,879	504	7,537	23,218	38,261	571	5,679
	Total	Industry	Coal	Petroleum	LNG	City Gas	Electricity	Residential·Commercial	Coal	Petroleum

1-8-2. Final Energy Consumption by Sector(Calorie Basis)

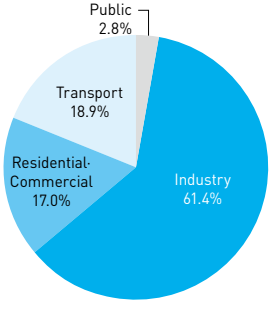
Unit : Thousand toe

도시가스	전력	열에너지	수송	석유	도시가스	전력	공공	
777	2,421	75	14,173	14,086	-	87	2,812	1990
1,160	2,732	79	16,156	16,062	-	94	2,813	1991
1,760	3,174	142	18,531	18,430	-	101	2,259	1992
2,450	3,663	356	21,119	21,011	-	108	2,296	1993
3,313	4,294	454	23,860	23,736	-	124	2,467	1994
4,607	4,801	632	27,148	27,010	-	138	2,416	1995
5,588	5,464	796	29,792	29,648	-	145	2,659	1996
6,436	6,090	892	30,738	30,587	-	151	2,715	1997
6,454	6,122	848	26,184	26,048	-	136	2,487	1998
7,784	6,793	982	28,625	28,476	-	149	2,648	1999
9,024	7,891	1,096	30,945	30,770	-	175	2,625	2000
9,412	9,005	1,125	31,909	31,708	7	194	2,989	2001
10,241	9,859	1,196	33,763	33,488	80	195	3,191	2002
10,889	10,585	1,269	34,632	34,286	146	200	3,593	2003
11,293	11,352	1,312	34,615	34,160	237	213	3,595	2004
12,503	12,233	1,491	35,559	34,982	339	224	4,068	2005
12,858	12,883	1,391	36,527	35,780	475	218	3,836	2006
12,831	13,513	1,401	37,068	36,149	615	209	4,143	2007
12,763	14,143	1,476	35,793	34,642	777	196	4,100	2008
12,332	14,594	1,509	35,930	34,529	960	187	4,295	2009
12,489	15,636	1,675	36,938	35,282	1,112	188	4,483	2010
13,201	15,758	1,661	36,875	35,172	1,174	193	4,560	2011
13,797	16,049	1,711	37,143	35,341	1,248	194	4,769	2012
13,578	16,077	1,657	37,330	35,476	1,299	186	4,670	2013
12,599	15,706	1,528	37,636	35,761	1,307	172	5,336	2014
12,661	16,020	1,520	40,292	38,373	1,288	191	5,753	2015
13,292	16,650	1,671	42,714	40,771	1,270	231	6,237	2016
City Gas	Electricity	Heat	Transport	Petroleum	City Gas	Electricity	Public	

2006 173.6 Mtoe



2016 255.7 Mtoe



1-9-1. 3대 에너지 다소비 산업의 에너지 소비(물량)

	제조업 (천 toe)	다소비산업 (천 toe)	비중(%)	석유·화학 (천 toe)	석탄 (천 톤)	석유 (천 배럴)	천연가스 (천 톤)	도시가스 (백만 Nm³)	전력 (GWh)
1990	32,542	23,968	73.7	9,953	172	65,975	-	-	10,922
1991	39,055	29,612	75.8	13,205	220	89,200	-	16	12,828
1992	46,300	35,912	77.6	18,367	209	129,055	-	24	14,470
1993	50,898	39,920	78.4	20,150	223	141,426	-	27	16,248
1994	54,889	42,805	78.0	22,419	203	158,508	-	34	17,359
1995	57,627	44,425	77.1	22,979	212	161,910	-	52	18,904
1996	61,966	46,317	74.7	24,756	266	173,440	-	76	20,942
1997	71,391	54,842	76.8	32,757	270	237,038	-	109	23,231
1998	70,452	54,450	77.3	33,932	259	248,698	-	156	23,034
1999	73,889	55,632	75.3	34,256	260	249,511	-	204	24,898
2000	77,595	57,884	74.6	35,641	268	258,457	-	304	26,899
2001	78,437	58,352	74.4	36,114	267	261,299	-	317	27,839
2002	82,534	61,357	74.3	38,302	258	278,315	-	381	29,267
2003	84,609	63,034	74.5	39,405	268	285,398	-	425	31,223
2004	86,834	64,390	74.2	40,848	182	296,824	-	417	32,925
2005	88,489	65,901	74.5	42,490	180	308,328	-	429	33,994
2006	91,145	69,094	75.8	44,358	178	323,678	-	379	34,937
2007	91,106	73,647	80.8	48,984	186	352,287	-	720	36,568
2008	93,238	75,708	81.2	49,231	180	350,839	-	1,097	38,990
2009	92,115	74,372	80.7	50,905	188	364,753	-	1,021	40,063
2010	101,917	82,179	80.6	52,938	208	371,430	189	1,563	43,213
2011	110,773	90,433	81.6	57,442	212	395,804	359	2,092	48,142
2012	112,104	90,581	80.8	58,447	230	419,626	250	2,080	50,540
2013	113,532	93,367	82.3	60,122	232	426,843	22	3,057	52,112
2014	119,107	98,713	82.9	62,065	248	442,200	22	2,852	54,992
2015	117,969	97,269	82.5	61,717	232	451,272	-	1,555	55,660
2016	120,372	99,083	82.3	65,927	223	490,876	60	1,047	58,483
	Manufacturing (thou.toe)	Large Energy Con. Industry(thou.toe)	Share of Large Energy Cons. Industry (%)	Petrochemical·Chemical(thou.toe)	Coal (thou.ton)	Petroleum (thou.bbl)	LNG (thou.ton)	City Gas (mil.m³)	Electricity (GWh)

1-9-1. Energy Consumption of the Major Large Energy Consumption Industry(Quantity Basis)

비금속 (천 toe)	석탄 (천 톤)	석유 (천 배럴)	도시가스 (백만 Nm³)	전력 (GWh)	1차금속 (천 toe)	석탄 (천 톤)	석유 (천 배럴)	천연가스 (천 톤)	도시가스 (백만 Nm³)	전력 (GWh)	
4,420	4,119	8,150	-	5,633	9,595	11,805	6,174	-	-	10,064	1990
5,141	4,833	9,011	47	6,544	11,266	13,998	6,833	-	81	10,440	1991
5,617	5,181	10,187	57	7,160	11,927	14,561	8,409	-	98	10,767	1992
6,435	6,238	10,499	68	7,936	13,336	16,311	8,949	-	120	12,596	1993
6,896	6,644	11,247	81	8,781	13,490	15,995	10,344	-	161	13,688	1994
7,248	7,200	10,756	103	9,325	14,199	16,720	10,372	-	199	16,101	1995
6,743	6,453	10,490	112	9,589	14,818	17,924	9,660	-	-	18,088	1996
6,818	6,598	10,068	138	9,913	15,266	18,569	5,935	-	330	20,936	1997
5,169	5,072	6,886	149	7,738	15,348	19,056	4,801	-	354	20,147	1998
5,448	5,161	7,717	202	8,354	15,928	19,288	7,499	-	479	19,004	1999
5,672	5,365	7,665	240	8,981	16,571	20,194	6,171	-	616	19,997	2000
5,780	5,514	7,362	252	9,306	16,458	20,368	4,583	-	681	19,550	2001
5,979	5,698	7,433	261	9,923	17,075	21,189	4,496	-	685	20,461	2002
6,242	6,072	7,014	293	10,286	17,388	21,573	4,132	-	759	20,902	2003
5,754	5,318	6,930	321	10,119	17,788	22,044	3,903	-	843	21,384	2004
5,394	4,813	6,716	339	9,829	18,017	22,028	4,070	-	926	23,013	2005
5,559	4,738	6,890	488	10,319	19,177	23,774	3,744	-	983	24,380	2006
5,543	5,051	6,708	446	11,105	19,119	21,519	3,375	-	1,156	27,241	2007
5,567	5,236	6,235	395	11,408	20,910	23,568	2,957	-	1,184	31,733	2008
5,008	4,463	5,622	419	11,230	18,458	20,734	1,824	-	1,175	28,329	2009
5,176	4,564	6,045	432	11,620	24,065	27,210	2,011	241	1,384	34,494	2010
5,498	5,046	5,712	449	11,822	27,493	31,762	1,747	257	1,320	38,392	2011
4,994	4,625	4,132	553	10,928	27,140	31,487	1,136	300	1,289	37,571	2012
4,969	4,647	3,380	603	11,236	27,550	32,053	916	336	1,247	38,033	2013
5,051	4,916	3,006	543	11,643	31,597	37,611	880	331	1,215	40,367	2014
4,970	4,650	3,537	512	12,023	30,582	36,753	946	335	1,084	36,998	2015
5,013	4,591	3,820	502	12,575	28,143	33,460	730	326	1,142	35,159	2016
	Coal (thou.ton)	Petroleum (thou.bbl)	City Gas (mil.m³)	Electricity (GWh)		Coal (thou.ton)	Petroleum (thou.bbl)	LNG (thou.ton)	City Gas (mil.m³)	Electricity (GWh)	
Non-Metallic Minerals(thou.toe)					Iron·Steel(thou.toe)						

1-9-2. 3대 에너지 다소비 산업의 에너지 소비(열량)

단위 : 천 toe

	제조업	다소비산업		석유·화학					
			비중(%)		석탄	석유	천연가스	도시가스	전력
1990	32,542	23,968	73.7	9,953	114	8,900	-	-	939
1991	39,055	29,612	75.8	13,205	145	11,940	-	17	1,103
1992	46,300	35,912	77.6	18,367	138	16,960	-	25	1,244
1993	50,898	39,920	78.4	20,150	147	18,577	-	28	1,397
1994	54,889	42,805	78.0	22,419	134	20,757	-	35	1,493
1995	57,627	44,425	77.1	22,979	140	21,159	-	54	1,626
1996	61,966	46,317	74.7	24,756	176	22,699	-	80	1,801
1997	71,391	54,842	76.8	32,757	178	30,467	-	114	1,998
1998	70,452	54,450	77.3	33,932	171	31,616	-	164	1,981
1999	73,889	55,632	75.3	34,256	171	31,729	-	214	2,141
2000	77,595	57,884	74.6	35,641	177	32,832	-	319	2,313
2001	78,437	58,352	74.4	36,114	176	33,210	-	333	2,394
2002	82,534	61,357	74.3	38,302	170	35,215	-	400	2,517
2003	84,609	63,034	74.5	39,405	177	36,096	-	447	2,685
2004	86,834	64,390	74.2	40,848	120	37,459	-	437	2,832
2005	88,489	65,901	74.5	42,490	119	38,997	-	450	2,923
2006	91,145	69,094	75.8	44,358	118	40,837	-	398	3,005
2007	91,106	73,647	80.8	48,984	115	44,965	-	760	3,145
2008	93,238	75,708	81.2	49,231	112	44,609	-	1,157	3,353
2009	92,115	74,372	80.7	50,905	116	46,266	-	1,077	3,445
2010	101,917	82,179	80.6	52,938	129	47,198	246	1,648	3,716
2011	110,773	90,433	81.6	57,442	131	50,497	467	2,207	4,140
2012	112,104	90,581	80.8	58,447	142	51,470	327	2,163	4,346
2013	113,532	92,642	81.6	60,122	143	52,285	29	3,184	4,482
2014	119,107	98,713	82.9	62,065	153	54,180	29	2,974	4,729
2015	117,969	97,269	82.5	61,717	143	55,165	-	1,622	4,787
2016	120,372	99,083	82.3	65,927	137	59,589	78	1,092	5,030
	Manufacturing	Large Energy Con. Industry	Share of Large Energy Cons. Industry(%)	Petrochemical·Chemical	Coal	Petroleum	LNG	City Gas	Electricity

1-9-2. Energy Consumption of the Major Large Energy Consumption Industry(Calorie Basis)

Unit : Thousand toe

비금속					1차금속						
	석탄	석유	도시가스	전력		석탄	석유	천연가스	도시가스	전력	
4,420	2,701	1,234	-	484	9,595	7,777	952	-	-	866	1990
5,141	3,178	1,350	50	563	11,266	9,229	1,053	-	86	898	1991
5,617	3,416	1,526	60	616	11,927	9,593	1,305	-	103	926	1992
6,435	4,113	1,568	71	682	13,336	10,741	1,386	-	126	1,083	1993
6,896	4,382	1,673	85	755	13,490	10,538	1,607	-	169	1,177	1994
7,248	4,748	1,589	108	802	14,199	11,007	1,598	-	209	1,385	1995
6,743	4,258	1,543	118	825	14,818	11,795	1,468	-	-	1,556	1996
6,818	4,354	1,467	145	852	15,266	12,231	889	-	346	1,800	1997
5,169	3,343	1,004	156	665	15,348	12,531	713	-	371	1,733	1998
5,448	3,399	1,118	213	718	15,928	12,678	1,113	-	503	1,634	1999
5,672	3,538	1,110	252	772	16,571	13,282	923	-	647	1,720	2000
5,780	3,636	1,079	265	800	16,458	13,379	683	-	715	1,681	2001
5,979	3,759	1,093	274	853	17,075	13,919	678	-	719	1,760	2002
6,242	4,007	1,043	308	885	17,388	14,174	619	-	797	1,798	2003
5,754	3,509	1,038	337	870	17,788	14,476	588	-	885	1,839	2004
5,394	3,176	1,017	356	845	18,017	14,463	603	-	972	1,979	2005
5,559	3,127	1,032	513	887	19,177	15,507	542	-	1,032	2,097	2006
5,543	3,132	987	470	955	19,119	15,063	494	-	1,219	2,343	2007
5,567	3,246	923	417	981	20,910	16,498	435	-	1,249	2,729	2008
5,008	2,767	833	442	966	18,458	14,514	269	-	1,239	2,436	2009
5,176	2,830	891	456	999	24,065	19,047	278	313	1,460	2,966	2010
5,498	3,129	878	474	1,017	27,493	22,233	231	334	1,392	3,302	2011
4,994	2,849	630	576	940	27,140	22,041	136	391	1,341	3,231	2012
4,969	2,863	513	628	966	27,550	22,437	106	438	1,298	3,271	2013
5,051	3,028	456	566	1,001	31,597	26,328	100	432	1,267	3,472	2014
4,970	2,864	538	534	1,034	30,582	25,727	106	437	1,131	3,182	2015
5,013	2,828	580	523	1,081	28,143	23,422	80	425	1,191	3,024	2016
	Coal	Petroleum	City Gas	Electricity	Iron·Steel	Coal	Petroleum	LNG	City Gas	Electricity	
Non-Metallic Minerals											

1-10. 국내 석유 수급

단위 : 천 배럴

	원유수입	중동의존도(%)	제품수입	제품생산	제품수출	국제 벙커링
1990	308,368	74.3	101,248	304,495	27,184	15,115
1991	399,303	73.7	110,041	408,215	69,744	20,714
1992	509,378	74.7	137,011	504,560	91,653	26,099
1993	560,563	76.9	167,759	539,986	103,493	30,539
1994	573,714	76.6	190,790	568,452	93,132	33,304
1995	624,945	77.9	205,428	643,102	122,630	37,092
1996	721,927	77.7	215,124	724,128	158,329	42,080
1997	873,415	73.9	185,811	911,462	231,050	46,130
1998	819,094	75.9	175,895	864,845	296,682	45,991
1999	874,090	72.3	184,490	911,086	297,899	49,048
2000	893,943	76.8	204,301	926,897	306,293	46,468
2001	859,367	77.0	204,781	907,345	295,010	46,330
2002	790,992	73.3	228,557	858,363	239,127	46,466
2003	804,809	79.5	219,897	841,038	209,079	53,139
2004	825,790	78.1	195,110	886,413	235,506	58,387
2005	843,203	81.8	179,354	922,897	262,647	55,632
2006	888,794	82.2	191,560	949,983	289,070	53,849
2007	872,541	80.7	209,130	955,898	292,072	50,543
2008	864,872	86.3	224,614	938,749	333,764	50,610
2009	835,085	84.5	268,214	912,654	330,912	45,473
2010	872,415	81.8	276,849	938,926	341,784	49,341
2011	927,044	87.1	279,260	1,002,257	408,338	49,131
2012	947,292	85.1	309,954	1,034,708	440,897	49,184
2013	915,075	86.0	329,205	1,001,980	429,291	51,499
2014	927,524	84.0	326,623	1,030,092	448,822	53,598
2015	1,026,107	82.3	307,875	1,116,986	477,425	57,241
2016	1,078,119	85.9	334,608	1,157,612	487,716	62,494
	Crude Oil Imports	Middle East Dependence(%)	Products Imports	Products Production	Products Exports	Intl. Bunkering

자료 : 한국석유공사

1-10. Domestic Petroleum Supply and Demand

Unit : Thousand bbl

국내소비	휘발유	등유	경유	벙커C유	납사	LPG	
356,349	23,693	24,942	97,449	104,547	47,553	35,712	1990
424,666	28,713	25,599	114,521	122,632	65,671	43,132	1991
514,224	35,248	34,249	127,434	140,104	97,158	53,917	1992
564,575	42,508	43,259	138,021	145,548	108,577	59,437	1993
621,498	51,089	47,835	147,269	159,742	123,276	63,452	1994
677,210	59,382	62,669	163,113	162,793	131,474	66,468	1995
721,063	67,971	73,662	172,406	163,236	141,273	68,441	1996
793,899	71,358	85,025	166,790	160,367	194,918	71,623	1997
670,278	61,089	61,457	120,372	107,130	213,860	67,992	1998
719,657	63,879	76,928	126,072	116,271	218,908	77,007	1999
742,557	62,382	69,909	129,429	125,319	229,046	84,688	2000
743,667	62,707	61,707	132,168	123,848	233,293	84,377	2001
762,868	64,078	58,464	138,045	116,907	245,309	91,415	2002
762,942	60,484	52,874	145,366	111,361	252,417	88,606	2003
752,329	58,151	43,090	143,799	100,968	262,871	88,432	2004
761,080	59,561	39,392	142,529	96,359	273,250	91,668	2005
765,521	59,874	31,450	142,433	92,912	287,003	93,451	2006
794,946	62,500	26,172	145,327	89,028	316,858	97,143	2007
760,641	62,937	27,659	134,513	66,676	311,368	101,881	2008
778,480	65,872	25,991	132,308	66,065	322,622	106,320	2009
794,278	68,931	29,354	134,648	61,903	331,819	105,175	2010
801,642	69,574	25,430	134,157	51,505	355,192	99,201	2011
827,679	71,765	22,009	136,725	51,642	384,606	95,473	2012
825,202	73,416	18,816	143,020	43,786	384,248	93,057	2013
821,457	73,473	15,429	144,840	31,094	396,344	89,577	2014
856,206	76,570	16,227	156,365	35,961	410,809	89,866	2015
924,173	78,926	19,060	166,556	44,981	430,091	108,961	2016
Domestic Consumption	Gasoline	Kerosene	Diesel	Bunker-C	Naphtha	LPG	

Source : Korea National Oil Corporation

1-11. 전력 공급

	발전설비 (MW)	수력	기력[1]	복합화력	내연력	원자력	집단	대체
1990	21,021	2,340	9,912	840	313	7,616	-	-
1991	21,111	2,445	9,912	760	378	7,616	-	-
1992	24,120	2,498	9,912	3,706	388	7,616	-	-
1993	27,654	2,504	11,972	5,173	389	7,616	-	-
1994	28,750	2,493	13,032	5,334	275	7,616	-	-
1995	32,184	3,093	14,032	6,184	259	8,616	-	-
1996	35,715	3,094	14,022	8,719	264	9,616	-	-
1997	41,042	3,115	16,078	11,269	265	10,316	-	-
1998	43,406	3,131	17,209	10,785	265	12,016	-	-
1999	46,978	3,148	18,909	10,935	271	13,716	-	-
2000	48,451	3,149	20,059	11,257	271	13,716	-	-
2001	50,859	3,876	21,559	11,436	273	13,716	-	-
2002	53,801	3,876	21,749	12,186	275	15,716	-	-
2003	56,053	3,877	21,749	13,086	246	15,716	1,296	83
2004	59,961	3,879	23,311	14,313	252	16,716	1,382	108
2005	62,258	3,883	23,811	15,015	297	17,716	1,382	156
2006	65,514	5,485	24,391	16,004	297	17,716	1,382	240
2007	68,268	5,492	26,491	16,511	303	17,716	893	862
2008	72,491	5,505	29,731	17,044	307	17,716	1,460	728
2009	73,470	5,515	29,571	17,575	347	17,716	1,610	1,136
2010	76,078	5,525	29,571	19,100	351	17,716	2,067	1,749
2011	79,342	6,418	29,571	19,799	355	18,716	2,623	1,859
2012	81,806	6,446	29,371	19,799	367	20,716	2,623	2,483
2013	86,969	6,454	29,371	23,473	330	20,716	3,106	3,519
2014	93,216	6,467	29,611	27,296	330	20,716	4,323	4,474
2015	97,649	6,471	29,611	28,512	330	21,716	5,360	5,649
2016	105,866	6,485	33,746	28,512	329	23,116	6,200	7,477
	Generating Facilities(MW)	Hydro	Steam[1]	Combined Cycle	Internal Combustion	Nuclear	Community Energy	Alternative Energy

1. 석탄혼소, 석유화력, LNG 포함
주 1) 상용자가 제외
2) 2001.4.2. 발전부문 분리
자료 : 한국전력공사(한국전력통계)

1-11. Electiricity Supply

발전량 (GWh)	수력	기력[1]	복합화력	내연력	원자력	집단 & 대체	
107,670	6,361	47,374	619	429	52,887	-	1990
118,619	5,051	56,000	785	472	56,311	-	1991
130,963	4,863	63,532	5,464	574	56,530	-	1992
144,437	6,006	70,465	9,188	640	58,138	-	1993
164,993	4,098	85,408	16,047	789	58,651	-	1994
184,661	5,478	90,808	20,521	825	67,029	-	1995
205,494	5,201	98,654	26,943	772	73,924	-	1996
224,445	5,404	106,813	34,424	718	77,086	-	1997
215,300	6,099	92,432	26,505	575	89,689	-	1998
239,325	6,066	101,138	28,675	382	103,064	-	1999
266,400	5,610	124,669	26,863	294	108,964	-	2000
285,224	4,151	139,582	29,033	325	112,133	-	2001
306,474	5,311	143,370	38,337	353	119,103	-	2002
322,452	6,887	145,148	40,375	370	129,672	-	2003
342,148	5,861	145,810	55,452	407	130,715	3,903	2004
364,639	5,189	151,476	57,457	575	146,779	3,163	2005
381,181	5,219	156,290	67,138	677	148,749	3,108	2006
403,125	5,042	174,247	76,405	578	142,937	3,916	2007
422,355	5,563	184,385	74,519	503	150,958	6,428	2008
433,604	5,641	207,391	64,486	697	147,771	7,618	2009
474,660	6,472	212,291	94,012	731	148,596	12,558	2010
496,893	7,831	212,018	101,479	821	154,723	20,021	2011
509,574	7,695	218,387	110,882	752	150,327	21,531	2012
517,148	8,543	220,117	124,400	741	138,784	24,563	2013
521,971	7,820	211,734	111,711	656	156,407	33,644	2014
528,091	5,796	216,955	100,598	643	164,762	39,337	2015
540,441	6,634	222,844	96,922	573	161,995	51,473	2016
Electric Power Generation(GWh)	Hydro	Steam[1]	Combined Cycle	Internal Combustion	Nuclear	Community & Alternative Energy	

1. Includes Coal Mix, Oil Thermal, LNG
주 1) Excludes Non-utility in Common use
2) On Apr.2, 2001, KEPCO's power generation division was divided into 6 generation subsidary companies and a Power Exchange
Source : Korea Electiric Power Corporation(Statistics of electric power in Korea)

1-12. 부문별 전력 소비

단위 : GWh

	합계	농림어업	광업	제조업		
					석유·화학	요업
1990	94,384	1,458	1,011	56,780	10,922	5,633
1991	104,375	1,778	1,005	62,401	12,828	6,544
1992	115,244	2,157	923	67,427	14,470	7,160
1993	127,734	2,220	868	73,437	16,248	7,936
1994	146,540	2,916	885	82,553	17,359	8,781
1995	163,270	3,370	1,020	92,046	18,904	9,325
1996	182,470	3,857	1,049	101,831	20,942	9,589
1997	200,784	4,176	1,000	111,207	23,231	9,913
1998	193,470	4,024	973	103,831	23,034	7,738
1999	214,215	4,572	952	115,335	24,898	8,354
2000	239,535	5,306	1,003	125,952	26,899	8,981
2001	257,731	5,985	1,074	128,732	27,839	9,306
2002	278,451	6,156	1,155	137,143	29,267	9,923
2003	293,599	5,944	1,205	143,238	31,223	10,286
2004	312,096	6,511	1,269	150,557	32,925	10,119
2005	332,413	7,007	1,317	158,489	33,994	9,829
2006	348,720	7,296	1,393	165,972	34,937	10,319
2007	368,605	7,795	1,484	176,973	36,568	11,105
2008	385,070	8,389	1,446	184,795	38,990	11,408
2009	394,474	9,145	1,350	187,249	40,063	11,230
2010	434,160	10,042	1,683	211,447	43,213	11,620
2011	455,070	10,575	1,928	229,701	48,142	11,822
2012	466,593	12,074	1,616	235,445	50,540	10,928
2013	474,849	13,062	1,478	242,301	52,112	11,236
2014	477,592	13,556	1,571	249,490	54,992	11,643
2015	483,655	14,645	1,631	249,357	55,660	12,023
2016	497,039	15,397	1,755	252,824	58,483	12,575
	Total	Agriculture·Fishery	Mining	Manufacturing	Petrochem.·Chemical	Ceramic

자료 : 한국전력공사(한국전력통계)

1-12. Electric Power Consumption by End-Use Sector

Unit : GWh

1차금속	기타	수송 (철도)	가정	서비스	공공	
10,064	30,161	-	17,735	10,412	5,976	1990
10,440	32,589	-	19,482	12,288	6,330	1991
10,767	35,030	-	21,796	15,114	6,654	1992
12,596	36,657	-	23,916	18,678	7,357	1993
13,688	42,725	1,446	26,553	23,383	8,804	1994
16,101	47,716	-	28,303	27,524	9,401	1995
18,088	53,213	-	30,642	32,892	10,517	1996
20,936	57,128	-	32,155	38,661	11,824	1997
20,147	52,912	-	32,913	38,269	11,880	1998
19,004	63,079	1,730	34,581	44,412	12,633	1999
19,997	70,075	-	37,102	54,651	13,486	2000
19,550	72,037	2,257	39,211	65,496	14,976	2001
20,461	77,492	2,271	42,278	72,361	17,088	2002
20,902	80,827	2,331	44,572	78,511	17,798	2003
21,384	86,129	2,475	48,615	83,390	19,279	2004
23,013	91,652	2,601	50,873	91,375	20,751	2005
24,380	96,336	2,534	52,522	97,277	21,725	2006
27,241	102,059	2,433	54,174	102,957	22,790	2007
31,733	102,664	2,277	56,228	108,229	23,706	2008
28,329	107,626	2,174	57,596	112,098	24,862	2009
34,494	122,120	2,191	61,194	120,619	26,985	2010
38,392	131,345	2,246	61,564	121,668	27,387	2011
37,571	136,407	2,250	63,536	123,083	28,588	2012
38,033	140,920	2,168	63,970	122,973	28,896	2013
40,367	142,489	2,003	62,675	119,949	28,347	2014
36,998	144,676	2,217	63,794	122,482	29,529	2015
35,159	146,606	2,689	66,173	127,435	30,767	2016
Iron·Steel	Others	Transport (Rail)	Residential	Service	Public	

Source : Korea Electiric Power Corporation(Statistics of electric power in Korea)

1-13. 천연가스 공급 및 소비 LNG Demand and Supply

단위 : 천 톤 Unit : thou.ton

	수입량	소비				재고
			발전[1]	도시가스제조	기타	
1990	2,291	2,329	1,741	576	12	46
1991	2,758	2,694	1,800	879	15	110
1992	3,425	3,524	2,225	1,256	43	67
1993	4,454	4,402	2,518	1,847	37	97
1994	5,928	5,860	3,100	2,451	80	157
1995	7,060	7,087	3,562	3,417	108	103
1996	9,595	9,363	4,275	4,561	179	369
1997	11,629	11,379	5,019	5,770	232	605
1998	10,600	10,645	3,870	6,233	222	527
1999	12,973	12,961	4,414	7,886	306	539
2000	14,578	14,557	4,018	9,528	340	591
2001	16,164	15,990	4,027	10,300	403	738
2002	17,470	17,768	5,292	11,194	65	426
2003	19,434	18,610	5,238	11,978	165	1,063
2004	22,153	21,809	7,666	12,504	487	1,602
2005	22,341	23,350	7,674	14,077	229	959
2006	25,222	24,619	9,241	13,957	183	1,936
2007	25,568	26,664	10,664	14,596	141	1,099
2008	27,259	27,439	10,573	15,489	173	2,558
2009	25,822	26,083	9,182	15,634	220	1,728
2010	32,603	33,083	13,616	17,522	213	2,667
2011	36,685	35,603	12,999	18,255	214	3,323
2012	36,184	38,485	14,087	19,558	200	1,840
2013	39,876	40,278	15,025	19,596	195	2,237
2014	37,107	36,636	14,650	18,180	144	3,182
2015	33,366	33,446	13,033	16,929	73	3,034
2016	33,453	34,906	13,951	17,384	74	1,695
	Imports	Consumption	Power Generation[1]	Gas Manufacturing	Others	Stocks

1. 지역난방 포함

1. Includes District Heating

1-14. 열에너지 공급 및 소비 Heat Energy Demand and Supply

단위 : 천 toe

Unit : thou.toe

	열생산	판매			
			주택용	업무용	공공용
1990	79.3	75.4	69.0	5.5	0.9
1991	83.3	79.8	72.0	6.9	0.9
1992	163.0	142.7	135.0	6.5	1.2
1993	390.8	359.8	354.0	2.0	3.9
1994	494.7	459.9	440.0	13.5	6.4
1995	688.7	641.3	610.0	21.5	9.8
1996	847.2	810.8	762.0	33.5	15.3
1997	940.6	908.8	850.0	42.0	16.8
1998	907.4	861.5	807.0	41.1	13.3
1999	1,047.3	999.5	928.0	53.9	17.6
2000	1,166.1	1,118.5	1,030.0	66.4	22.1
2001	1,201.3	1,150.0	1,050.0	74.7	25.3
2002	1,282.8	1,223.4	1,118.0	77.9	27.5
2003	1,345.4	1,300.5	1,180.0	88.8	31.7
2004	1,353.4	1,343.1	1,204.0	107.9	31.2
2005	1,507.9	1,530.1	1,358.0	132.9	39.1
2006	1,579.4	1,425.1	1,272.0	118.7	34.3
2007	1,604.2	1,437.9	1,284.9	115.7	37.3
2008	1,589.7	1,512.2	1,351.5	124.9	35.8
2009	1,635.8	1,550.5	1,388.4	120.3	41.8
2010	1,785.8	1,717.6	1,530.6	144.5	42.5
2011	1,762.2	1,701.8	1,511.9	148.7	41.3
2012	1,814.2	1,751.1	1,552.5	158.7	40.0
2013	1,770.6	1,695.0	1,498.5	158.1	38.3
2014	1,565.2	1,566.6	1,373.3	155.2	38.1
2015	1,574.3	1,559.0	1,357.2	162.6	39.2
2016	1,718.9	1,709.5	1,483.8	186.8	38.9
	Heat Production	Sales	Residential	Commercial	Public

1-15. 신재생 에너지 생산

단위 : 천 toe

	합계	증가율(%)	태양열	태양광	바이오	바이오가스	매립지가스	바이오디젤
1990	335	56.3	-	-	-	-	-	-
1991	412	22.8	-	-	-	-	-	-
1992	552	34.2	12.61	1.77	57.28	-	-	-
1993	648	17.3	14.14	0.50	58.83	-	-	-
1994	776	19.8	16.84	0.53	57.24	-	-	-
1995	907	16.8	22.08	0.56	59.17	38.85	-	-
1996	1,160	27.9	32.02	0.64	50.42	45.28	-	-
1997	1,419	22.3	45.54	0.78	67.58	39.24	-	-
1998	1,713	20.7	43.96	0.95	63.18	39.24	-	-
1999	1,897	10.8	42.11	1.14	64.95	42.26	-	-
2000	2,127	12.1	41.69	1.32	82.00	39.24	-	-
2001	2,453	15.3	37.17	1.55	82.46	40.45	-	-
2002	2,917	18.9	34.78	1.76	116.79	40.45	27.90	0.85
2003	4,437	52.1	32.91	1.94	131.07	47.98	38.07	1.70
2004	4,582	3.3	36.14	2.47	134.97	46.95	48.59	5.43
2005	4,879	6.5	34.73	3.60	181.28	43.78	42.70	13.40
2006	5,225	7.1	33.02	7.76	274.48	77.39	53.83	53.35
2007	5,609	7.3	29.38	15.33	370.16	81.54	108.54	95.66
2008	5,858	4.5	28.04	61.13	426.76	44.66	119.99	177.64
2009	6,086	3.9	30.67	121.73	580.42	49.40	128.30	254.19
2010	6,856	12.7	29.26	166.15	754.62	76.60	114.99	356.82
2011	7,583	10.6	27.44	197.20	963.36	81.54	124.22	336.05
2012	8,851	16.7	26.26	237.54	1,334.72	107.43	116.07	359.92
2013	9,879	11.6	27.81	344.45	1,558.49	139.37	97.50	369.08
2014	11,537	16.8	28.49	547.43	2,822.00	142.94	79.92	387.70
2015	13,293	15.2	28.47	849.38	2,765.66	108.73	75.80	441.35
2016	14,178	6.7	28.49	1,092.83	2,765.45	95.00	71.13	442.86
	Total	Growth rate over the Last year(%)	Solar Thermal	Solar Photovoltaic	Bio	Bio Gas	LFG	Bio Diesel

주 : 합계에는 해양 에너지 포함
자료 : 한국에너지공단

1-15. Production of New & Renewable Energy

Unit : thou.toe

우드칩	성형탄	임산연료	풍력	수력	연료전지	폐기물	지열	
-	-	-	-	-	-	-	-	1990
-	-	-	-	-	-	-	-	1991
-	-	-	0.12	19.47	-	461.18	-	1992
-	-	-	0.31	28.79	-	545.55	-	1993
-	-	-	0.30	22.54	-	678.83	-	1994
-	20.33	-	0.11	20.44	-	804.50	-	1995
-	5.15	-	0.09	20.35	-	1,056.44	-	1996
-	28.34	-	0.20	22.45	-	1,282.46	-	1997
-	23.94	-	0.37	27.23	-	1,577.19	-	1998
-	22.69	-	1.46	27.12	-	1,760.51	-	1999
-	42.77	-	4.17	20.46	-	1,977.66	-	2000
-	42.01	-	3.15	20.93	-	2,308.00	-	2001
-	47.60	-	3.72	27.65	-	2,732.52	0.12	2002
-	43.32	-	6.22	1,225.59	-	3,039.31	0.39	2003
-	34.00	-	11.86	1,082.34	-	3,313.27	1.36	2004
-	32.30	49.17	32.47	918.50	0.53	3,705.55	2.56	2005
5.51	34.17	50.24	59.73	867.06	1.67	3,975.27	6.21	2006
5.74	35.27	43.41	80.76	780.90	1.83	4,319.31	11.14	2007
13.32	29.19	41.24	93.75	660.15	4.37	4,568.57	15.73	2008
20.08	24.10	49.31	147.35	606.63	19.19	4,558.13	22.13	2009
132.23	23.05	23.42	175.64	792.29	42.35	4,862.30	33.45	2010
163.02	24.59	23.67	185.52	965.37	63.34	5,121.53	47.83	2011
164.54	23.86	56.48	192.67	814.93	82.51	5,998.51	65.28	2012
168.47	23.52	49.62	242.35	892.23	122.04	6,502.41	86.96	2013
190.69	24.93	5.16	241.85	581.19	199.37	6,904.73	108.47	2014
373.31	15.83	44.79	283.46	453.79	230.17	8,436.22	135.05	2015
223.39	15.43	123.81	355.34	603.24	241.62	8,742.73	162.05	2016
Wood Chip	Wood Briquette	Fire Wood	Wind	Hydro	Fuel Cells	Waste	Geothermal	

Note : Total includes ocean energy
Source : Korea Energy Agency

1-16. 주요 에너지 소비자 가격

	무연탄[1] (원/MT)	연탄[2] (원/장)	휘발유[3]	등유[3]	경유[3]	중질중유	프로판[4] (원/kg)
			(원/ℓ)				
1990	40,740	185.0	384	191	179	87	415
1991	40,740	185.0	482	227	179	82	430
1992	40,740	185.0	546	231	195	83	449
1993	40,740	185.0	610	254	210	87	460
1994	40,740	185.0	611	252	220	82	475
1995	40,740	185.0	598	262	232	106	490
1996	40,740	185.0	676	314	294	130	510
1997	42,849	185.0	839	374	376	196	599
1998	48,827	185.0	1,123	524	554	261	815
1999	55,455	185.0	1,192	491	522	232	678
2000	62,210	185.0	1,248	560	613	294	809
2001	62,210	185.0	1,280	580	645	310	919
2002	62,474	185.0	1,269	554	678	323	887
2003	65,598	199.0	1,295	639	772	339	980
2004	69,025	201.8	1,365	752	908	367	1,050
2005	76,197	201.8	1,432	871	1,080	420	1,132
2006	81,110	201.8	1,492	932	1,228	489	1,243
2007	89,220	229.6	1,526	932	1,273	527	1,331
2008	103,841	283.1	1,692	1,239	1,614	757	1,790
2009	116,809	319.4	1,601	976	1,398	719	1,577
2010	123,680	391.3	1,710	1,076	1,503	772	1,813
2011	131,456	391.3	1,929	1,321	1,746	987	2,034
2012	142,230	391.3	1,986	1,394	1,806	1,089	2,106
2013	142,230	391.3	1,924	1,367	1,730	935	2,085
2014	142,230	391.3	1,827	1,297	1,637	886	2,113
2015	142,230	391.3	1,510	947	1,300	604	1,801
2016	145,106	409.7	1,403	784	1,183	524	1,689
	Anthracite[1] (won/MT)	Briquette[2] (won/each)	Gasoline[3]	Kerosene[3]	Diesel[3]	B-C	Propane[4] (won/kg)
			(won/l)				

1. 일일평균가격(4,400-4,599 kcal/kg기준)
2. 서울시 3.6㎏ 연탄가격 기준
3. 주유소 판매가격
4. 일반용 프로판의 판매소 판매가격
5. 충전소 판매가격(단, 1999년 이전의 자동차용은 도시가스용 부탄의 정유사 판매가격이며 단위는 원/㎏ 임.)
6. 도시가스 소비자 가격은 서울시 기준이며, 2013년부터는 열량당 가격임.

자료 : 대한석탄협회, 한국석유공사, 한국도시가스협회 '도시가스사업편람', 한국전력공사 '한국전력통계'

1-16. Consumer Price of Major Energy

부탄[5]		도시가스[6]			전력				
일반용	자동차용	가정용	산업용	상업용	가정용	산업용	일반용	농업용	
(원/kg)	(원/ℓ)	(원/Nm³, MJ)			(원/kWh)				
293	126	285	201	214	69	44	77	34	1990
286	-	285	190	211	73	44	82	34	1991
294	-	290	190	221	81	46	85	34	1992
304	-	296	194	230	82	46	85	36	1993
304	-	296	194	231	86	46	87	35	1994
315	-	297	197	236	86	47	89	36	1995
330	-	302	197	242	89	48	90	37	1996
418	-	332	209	276	92	50	93	39	1997
620	-	436	287	407	97	55	104	44	1998
483	282	404	248	357	96	55	102	44	1999
614	359	461	292	406	107	58	106	43	2000
755	440	491	369	495	112	62	108	44	2001
639	458	481	374	498	110	59	103	42	2002
699	567	460	363	477	108	60	101	43	2003
751	674	473	379	490	110	60	97	42	2004
807	723	486	396	503	111	60	95	42	2005
889	748	560	477	572	114	62	98	43	2006
931	774	575	485	592	114	65	98	42	2007
1,343	1,009	638	550	659	115	66	95	42	2008
1,191	829	688	629	745	114	74	99	42	2009
1,320	952	717	662	785	120	77	99	43	2010
1,480	1,076	784	725	838	120	81	102	43	2011
1,573	1,102	848	794	892	124	93	113	43	2012
1,516	1,071	20.83	19.48	21.68	127	101	122	46	2013
1,492	1,051	22.18	20.71	22.91	125	107	130	47	2014
1,098	806	18.56	16.39	19.03	124	107	130	47	2015
966	734	15.14	12.56	15.65	122	107	130	47	2016
General (won/kg)	Auto (won/l)	Residential	Industrial	Commercial	Residential	Industrial	Public Service	Agricultural	
Butane[5]		City Gas[6](won/Nm³, MJ)			Electricity(won/kWh)				

1-17. 세계 에너지 수요 전망

단위 : 백만toe

	2000	2015	2016e	2025
1차에너지	10,035	13,633	13,760	15,182
석탄	2,311	3,837	3,755	3,842
석유	3,670	4,327	4,388	4,633
가스	2,071	2,938	3,007	3,436
원자력	676	671	681	839
수력	225	334	350	413
바이오에너지	1,023	1,326	1,354	1,530
기타 신재생	60	200	225	490
최종에너지	7,039	9,370	9,486	10,672
석탄	548	1,039	1,020	1,066
석유	3,117	3,818	3,878	4,191
가스	1,117	1,407	1,426	1,746
전력	1,092	1,740	1,777	2,159
열	249	271	274	295
바이오에너지	908	1,056	1,069	1,142
기타 신재생	9	38	42	74
최종에너지	7,039	9,370	9,486	10,672
산업	1,867	2,797	2,826	3,270
수송	1,958	2,692	2,722	3,028
건물	2,451	2,957	2,993	3,227
기타	764	923	945	1,148
	2000	2015	2016e	2025

자료 : IEA, World Energy Outlook 2017

1-17. Outlook for World Energy Demand

Unit : million toe

2030	2035	2040	2016e~2040 연평균 증가율 (%)	
16,011	16,806	17,584	1.0	Total Primary Energy Supply
3,896	3,909	3,929	0.2	Coal
4,715	4,764	4,830	0.4	Oil
3,737	4,068	4,356	1.6	Gas
897	949	1,002	1.6	Nuclear
459	499	533	1.8	Hydro
1,630	1,721	1,801	1.2	Bioenergy
676	896	1,133	7.0	Other renewables
11,306	11,896	12,461	1.1	Total Final Energy Consumption
1,080	1,088	1,092	0.3	Coal
4,307	4,389	4,481	0.6	Oil
1,927	2,106	2,268	2.0	Gas
2,405	2,652	2,895	2.1	Electricity
299	302	303	0.4	Heat
1,188	1,228	1,260	0.7	Bioenergy
100	132	162	5.8	Other renewables
11,306	11,896	12,461	1.1	Total Final Energy Consumption
3,490	3,698	3,895	1.3	Industry
3,191	3,335	3,494	1.0	Transport
3,407	3,588	3,752	0.9	Buildings
1,218	1,275	1,320	1.4	Other
2030	2035	2040	2016e~2040 Annual Average Rate of Increase (%)	

Source : IEA, World Energy Outlook 2017

1-18. 우리나라의 에너지 위상(2015년) Korea's Energy Phase(2015)

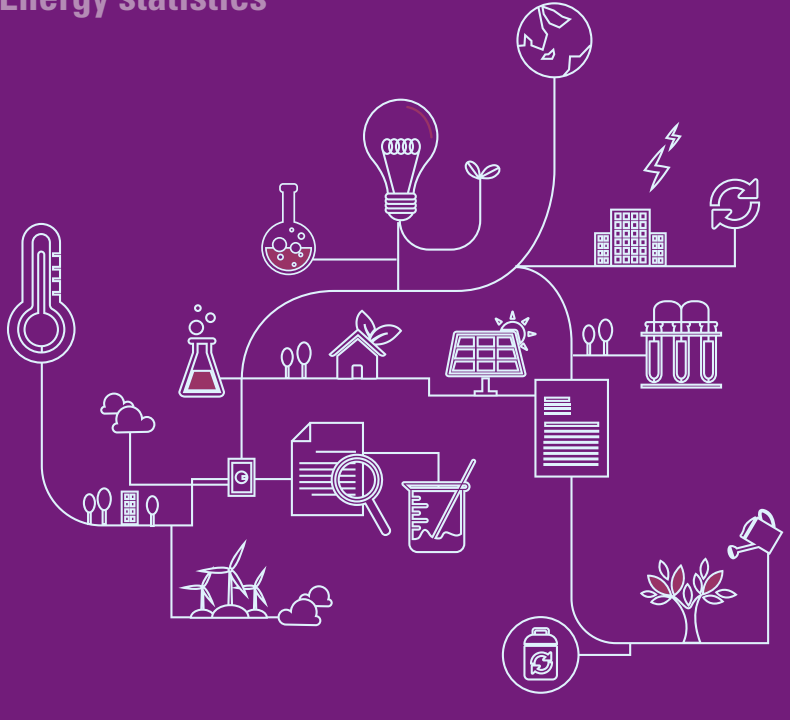
	1차에너지 (백만 toe)	석유소비 (백만 톤)	석유정제능력 (천 배럴/일)	전력소비 (TWh)	1인당 1차에너지 (toe/인)	1인당 전력소비 (KWh/인)
1	중국 China 2,987	미국 U.S.A 856	미국 U.S.A 18,315	중국 China 5,593	카타르 Qatar 20.33	아이슬란드 Iceland 55,054
2	미국 U.S.A 2,188	중국 China 562	중국 China 14,306	미국 U.S.A 4,129	아이슬란드 Iceland 16.87	노르웨이 Norway 23,403
3	인도 India 851	인도 India 196	러시아 Russia 6,408	인도 India 1,127	트리니다드 토바고 Trinidad and Tobago 14.26	바레인 Bahrain 20,190
4	러시아 Russia 710	일본 Japan 189	인도 India 4,307	일본 Japan 999	퀴라소 Curacao 12.99	카타르 Qatar 17,460
5	일본 Japan 430	사우디아라비아 Saudi Arabia 167	일본 Japan 3,721	러시아 Russia 949	바레인 Bahrain 10.36	캐나다 Canada 15,188
6	독일 Germany 308	브라질 Brazil 147	한국 Korea 3,110	독일 Germany 573	쿠웨이트 Kuwait 8.90	핀란드 Finland 15,050
7	브라질 Brazil 298	러시아 Russia 144	사우디아라비아 Saudi Arabia 2,899	캐나다 Canada 545	아랍에미레이트 United Arab Emirates 8.00	쿠웨이트 Kuwait 14,951
8	한국 Korea 273	한국 Korea 114	브라질 Brazil 2,278	한국 Korea 534	캐나다 Canada 7.54	룩셈부르크 Luxembourg 14,418
9	캐나다 Canada 270	독일 Germany 110	독일 Germany 2,049	브라질 Brazil 523	사우디아라비아 Saudi Arabia 7.03	스웨덴 Sweden 13,594
10	프랑스 France 247	캐나다 Canada 99	이란 Iran 1,985	프랑스 France 468	한국(17위) Korea 5.39	한국(13위) Korea 10,558
세계 World	13,647	4,341	96,992	22,386	1.86	3,052
	TEPS (mil.toe)	Petroleum Con. (mil.ton)	Oil Refinery (thou.bbl/day)	Electricity Con. (TWh)	TPES/population (toe/capita)	Elec. Con./pupluation (KWh/capita)

자료(Source) : IEA, World Energy Balance 2017
BP Statistical Review of World Energy 2017

2017

자주 찾는 에너지 통계

Energy statistics



02 에너지 밸런스

2-1. 1990년
2-2. 2000년
2-3. 2010년
2-4. 2011년
2-5. 2012년
2-6. 2013년
2-7. 2014년
2-8. 2015년
2-9. 2016년

2-1. 1990년

	석탄 (천 톤)	석유 (천 배럴)	LNG (천 톤)	도시가스 (백만㎥)	수력 (GWh)	원자력 (GWh)	전력 (GWh)	열에너지 (천toe)	신재생 (천toe)	합계 (천toe)
국내생산	17,217	-	-	-	6,361	52,887	-	-	2,845	23,356
수입	23,969	405,743	2,291	-	-	-	-	-	-	76,072
(석유생산)	-	304,496	-	-	-	-	-	-	-	43,942
(석유수입)	-	101,248	-	-	-	-	-	-	-	13,403
수출	-	-27,184	-	-	-	-	-	-	-	-3,997
국제벙커링	-	-15,115	-	-	-	-	-	-	-	-2,280
재고증감	2,035	-5,126	38	-	-	-	-	-	-	365
연초재고	10,048	14,450	84	-	-	-	-	-	-	6,939
연말재고	-8,013	-19,576	-46	-	-	-	-	-	-	-6,574
통계오차	184	-1,970	-	-	-	-	-	-	-	-324
1차에너지공급	43,405	356,348	2,329	-	6,361	52,887	-	-	2,845	93,192
에너지전환	-7,706	132,367	-2,329	963	-6,361	-52,887	94,384	75	-	18,085
발전	-7,706	29,721	-1,741	-	-6,361	-52,887	107,670	79	-	-16,922
지역난방	-	-	-	-	-	-	-	-	-	-
가스제조	-	-2,646	-576	968	-	-	-	-	-	5
자가소비 및 손실	-	-	-12	-5	-	-	-13,286	-4	-	-1,168
최종에너지소비	35,699	23,981	-	963	-	-	94,384	75	2,845	75,107
산업부문	16,436	39,263	-	223	-	-	59,249	-	-	36,150
농림어업	-	11,603	-	-	-	-	1,458	-	-	1,813
광업	-	787	-	-	-	-	1,011	-	-	205
제조업	16,436	118,082	-	-	-	-	56,780	-	-	32,542
음식.담배	22	6,895	-	-	-	-	3,540	-	-	1,383
섬유.의복	93	10,291	-	-	-	-	9,505	-	-	2,491
목재.나무	-	461	-	-	-	-	623	-	-	126
펄프.인쇄	88	5,395	-	-	-	-	3,877	-	-	1,238
석유.화학	172	65,975	-	-	-	-	10,922	-	-	9,953
비금속	4,119	8,150	-	-	-	-	5,633	-	-	4,420
1차금속	11,805	6,174	-	-	-	-	10,064	-	-	9,595
비철금속	-	1,306	-	-	-	-	-	-	-	187
조립금속	-	5,845	-	-	-	-	12,091	-	-	1,906
기타제조	137	7,449	-	-	-	-	525	-	-	1,221
기타에너지	-	140	-	-	-	-	-	-	-	21
건설업	-	8,791	-	-	-	-	-	-	-	1,356
수송부문	-	101,145	-	-	-	-	1,012	-	-	14,173
철도운수	-	2,082	-	-	-	-	1,012	-	-	392
육상운수	-	81,709	-	-	-	-	-	-	-	11,205
수상운수	-	10,833	-	-	-	-	-	-	-	1,669
항공운수	-	6,521	-	-	-	-	-	-	-	908
가정부문	19,217	40,613	-	433	-	-	17,735	69	2,609	16,766
상업부문	-	26,897	-	307	-	-	10,412	6	236	5,205
공공부문	46	16,064	-	-	-	-	5,976	1	-	2,812
	Coal (thou.ton)	Petroleum (thou.bbl)	LNG (thou.ton)	City Gas (mil.㎥)	Hydro (GWh)	Nuclear (GWh)	Electric (GWh)	Heat (thou.toe)	Renewables (thou.toe)	Total (thou.toe)

주 1) 상업부문의 무연탄(연탄) 소비는 가정부문에 포함.

석탄	석유	LNG	도시가스	수력	원자력	전력	열에너지	신재생	합계	
(천toe)										
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 supply
-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 & WoodPro.
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	-	-	392	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
Coal	Petroleum	LNG	City Gas	Hydro	Nuclear	Electric	Heat	Renewables	Total	
(thou.toe)										

Note 1) Domestic anthracite consumption for the commercial sector is included in the residential sector.

2-2. 2000년

	석탄 (천 톤)	석유 (천 배럴)	LNG (천 톤)	도시가스 (백만㎥)	수력 (GWh)	원자력 (GWh)	전력 (GWh)	열에너지 (천toe)	신재생 (천toe)	합계 (천toe)
국내생산	4,150	-	-	-	5,610	108,964	-	-	2,130	32,641
수입	61,638	1,116,062	14,578	-	-	-	-	-	-	213,810
(석유생산)	-	911,761	-	-	-	-	-	-	-	128,912
(석유수입)	-	204,301	-	-	-	-	-	-	-	25,388
수출	-	-306,293	-	-	-	-	-	-	-	43,577
국제벙커링	-	-46,468	-	-	-	-	-	-	-	-7,163
재고증감	-37	-6,900	-52	-	-	-	-	-	-	-1,057
연초재고	10,737	42,785	539	-	-	-	-	-	-	11,652
연말재고	-10,774	-49,685	-591	-	-	-	-	-	-	-12,709
통계오차	792	-13,844	31	-	-	-	-	-	-	-1,755
1차에너지공급	66,543	742,557	14,557	-	5,610	108,964	-	-	2,130	192,899
에너지전환	-36,155	-43,848	-14,557	11,963	-5,610	-108,964	239,535	1,119	-	-43,036
발전	-36,155	-38,528	-4,353	-103	-5,610	-108,964	266,400	809	-	-39,797
지역난방	-	-2,114	-335	-115	-	-	-	357	-	-530
가스제조	-	-3,205	-9,528	11,924	-	-	-	-	-	-178
자가소비 및 손실	-	-	-340	257	-	-	-26,864	-48	-	-2,530
최종에너지소비	30,388	698,709	-	11,963	-	-	239,535	1,119	2,130	149,864
산업부문	29,196	362,034	-	3,151	-	-	132,260	-	1,908	83,925
농림어업	-	24,905	-	12	-	-	5,306	-	-	4,069
광업	-	362	-	2	-	-	1,003	-	-	142
제조업	29,196	323,119	-	3,137	-	-	125,952	-	1,908	77,595
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
비금속	5,365	7,665	-	240	-	-	8,981	-	-	5,672
1차금속	20,194	6,171	-	616	-	-	19,997	-	-	16,571
비철금속	164	1,349	-	-	-	-	3,755	-	-	616
조립금속	-	10,441	-	687	-	-	32,997	-	-	5,108
기타제조	3,014	10,339	-	650	-	-	1,697	-	1,908	6,060
기타에너지	-	4,052	-	-	-	-	-	-	-	586
건설업	-	13,648	-	-	-	-	-	-	-	2,118
수송부문	-	223,453	-	-	-	-	2,037	-	-	30,945
철도운수	-	2,307	-	-	-	-	2,037	-	-	513
육상운수	-	175,116	-	-	-	-	-	-	-	23,554
수상운수	-	30,315	-	-	-	-	-	-	-	4,705
항공운수	-	15,715	-	-	-	-	-	-	-	2,174
가정부문	1,192	73,045	-	7,003	-	-	37,102	1,030	115	21,401
상업부문	-	32,103	-	1,591	-	-	54,651	66	33	10,969
공공부문	-	8,074	-	218	-	-	13,486	22	74	2,625
	Coal (thou.ton)	Petroleum (thou.bbl)	LNG (thou.ton)	City Gas (mil.㎥)	Hydro (GWh)	Nuclear (GWh)	Electric (GWh)	Heat (thou.toe)	Renewables (thou.toe)	Total (thou.toe)

주 1) 상업부문의 무연탄(연탄) 소비는 가정부문에 포함.

석탄	석유	LNG	도시가스	수력	원자력	전력	열에너지	신재생	합계	
(천toe)										
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
513	-2,308	40	-	-	-	-	-	-	-1,755	Statistical difference
42,923	100,279	18,924	-	1,402	27,241	-	-	2,130	192,899	Primary supply
-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
19,859	93,596	-	12,561	-	-	20,600	1,119	2,130	149,864	Final consumption
19,141	48,193	-	3,308	-	-	11,374	-	1,908	83,925	Industry
-	3,600	-	13	-	-	456	-	-	4,069	Agri.Fishery
-	54	-	2	-	-	86	-	-	142	Mining
19,141	42,421	-	3,294	-	-	10,832	-	1,908	77,595	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 & WoodPro.
-	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	-	-	1,720	-	-	16,571	Iron & Steel
109	185	-	-	-	-	323	-	-	616	Non-ferrous
-	1,549	-	721	-	-	2,838	-	-	5,108	Fabricated metal
1,910	1,414	-	682	-	-	146	-	1,908	6,060	Other manufacturing
-	586	-	-	-	-	-	-	-	586	Other energy
-	2,118	-	-	-	-	-	-	-	2,118	Construction
-	30,770	-	-	-	-	175	-	-	30,945	Transportation
-	337	-	-	-	-	175	-	-	513	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
Coal	Petroleum	LNG	City Gas	Hydro	Nuclear	Electric	Heat	Renewables	Total	
(thou.toe)										

Note 1) Domestic anthracite consumption for the commercial sector is included in the residential sector.

2-3. 2010년

	석탄 (천 톤)	석유 (천 배럴)	LNG (천 톤)	도시가스 (백만㎥)	수력 (GWh)	원자력 (GWh)	전력 (GWh)	열에너지 (천toe)	신재생 (천toe)	합계 (천toe)
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	5,279	-26,541	984	-	-	-	-	-	-	705
1차에너지공급	121,249	794,278	33,083	-	6,472	148,596	-	-	6,064	263,941
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	43,736	767,386	430	19,982	-	-	434,160	1,718	5,346	195,723
산업부문	41,877	42,511	430	6,947	-	-	223,171	-	4,215	117,046
농림어업	-	16,348	-	4	-	-	10,042	-	-	3,201
광업	-	662	-	-	-	-	1,683	-	-	240
제조업	34,472	408,260	430	6,942	-	-	211,447	-	-	101,917
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	-	1,563	189	-	43,213	-	-	52,938
비금속	4,564	6,045	-	432	-	-	11,620	-	-	5,176
1차금속	27,210	2,011	-	1,384	241	-	34,494	-	-	24,065
비철금속	344	648	-	195	-	-	7,340	-	-	1,169
조립금속	-	3,939	-	1,293	-	-	79,490	-	-	8,751
기타제조	1,939	10,122	-	658	-	-	2,418	-	-	3,349
기타에너지	-	6,420	-	-	-	-	-	-	-	941
건설업	-	17,241	-	-	-	-	-	-	-	2,624
수송부문	-	263,945	-	1,054	-	-	2,191	-	357	36,938
철도운수	-	1,355	-	-	-	-	2,191	-	-	383
육상운수	-	16,601	-	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	21,185
상업부문	-	19,978	-	2,960	-	-	20,619	145	33	16,070
공공부문	-	9,279	-	144	-	-	26,985	42	669	4,483
	Coal (thou.ton)	Petroleum (thou.bbl)	LNG (thou.ton)	City Gas (mil.㎥)	Hydro (GWh)	Nuclear (GWh)	Electric (GWh)	Heat (thou.toe)	Renewables (thou.toe)	Total (thou.toe)

주 1) 상업부문의 무연탄(연탄) 소비는 가정부문에 포함.

석탄	석유	LNG	도시가스	수력	원자력	전력	열에너지	신재생	합계	
(천toe)										
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
3,496	-4,070	1,279	-	-	-	-	-	-	705	Statistical difference
77,228	104,301	43,008	-	1,391	31,948	-	-	6,064	263,941	Primary supply
-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
29,300	100,381	559	21,081	-	-	37,338	1,718	5,346	195,723	Final consumption
28,400	57,351	559	7,329	-	-	19,193	-	4,215	117,046	Industry
-	2,333	-	5	-	-	864	-	-	3,201	Agri.Fishery
-	95	-	-	-	-	145	-	-	240	Mining
23,549	52,300	559	7,324	-	-	18,184	-	-	101,917	Manufacturing
31	333	-	598	-	-	751	-	-	1,713	Food & Tobacco
97	395	-	540	-	-	1,063	-	-	2,095	Textile & Apparel
-	36	-	53	-	-	151	-	-	240	Wood & WoodPro.
-	395	-	304	-	-	862	-	-	1,560	Pulp & Publications
129	47,198	246	1,648	-	-	3,716	-	-	52,938	Petro. Chemical
2,830	891	313	456	-	-	999	-	-	5,176	Non-Metallic
19,047	278	-	1,460	-	-	2,966	-	-	24,065	Iron & Steel
243	89	-	206	-	-	631	-	-	1,169	Non-ferrous
-	551	-	1,364	-	-	6,836	-	-	8,751	Fabricated metal
1,253	1,193	-	694	-	-	208	-	-	3,349	Other manufacturing
-	941	-	-	-	-	-	-	-	941	Other energy
-	2,623	-	-	-	-	-	-	-	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	21,185	Residential
-	2,397	-	3,123	-	-	10,373	145	33	16,070	Commercial
-	1,299	-	152	-	-	2,321	42	669	4,483	Public
Coal	Petroleum	LNG	City Gas	Hydro	Nuclear	Electric	Heat	Renewables	Total	
(thou.toe)										

Note 1) Domestic anthracite consumption for the commercial sector is included in the residential sector.

2-4. 2011년

	석탄 (천 톤)	석유 (천 배럴)	LNG (천 톤)	도시가스 (백만㎥)	수력 (GWh)	원자력 (GWh)	전력 (GWh)	열에너지 (천toe)	신재생 (천toe)	합계 (천toe)
국내생산	2,084	-	347	-	7,831	154,723	-	-	6,618	42,987
수입	124,935	1,281,517	36,685	-	-	-	-	-	-	301,425
(석유생산)	-	1,002,257	-	-	-	-	-	-	-	139,518
(석유수입)	-	279,260	-	-	-	-	-	-	-	34,357
수출	-	-408,338	-	-	-	-	-	-	-	-57,541
국제벙커링	-	-49,131	-	-	-	-	-	-	-	-7,522
재고증감	133	615	-616	-	-	-	-	-	-	-651
연초재고	1,853	41,756	2,708	-	-	-	-	-	-	10,210
연말재고	-1,720	-41,141	-3,323	-	-	-	-	-	-	-10,861
통계오차	3,900	-23,021	-813	-	-	-	-	-	-	-1,944
1차에너지공급	131,051	801,642	35,603	-	7,831	154,723	-	-	6,618	276,755
에너지전환	-80,936	-22,743	-34,987	21,679	-7,831	-154,723	455,070	1,702	-784	-70,773
발전	-80,936	-14,435	-14,759	-880	-7,831	-154,723	496,893	1,096	-784	-64,370
지역난방	-	-1,709	-1,760	-392	-	-	-	666	-	-2,304
가스제조	-	-6,599	-18,255	22,727	-	-	-	-	-	-401
자가소비 및 손실	-	-	-214	224	-	-	-41,823	-60	-	-3,699
최종에너지소비	50,115	778,899	616	21,679	-	-	455,070	1,702	5,834	205,982
산업부문	48,293	459,610	616	7,946	-	-	242,204	-	4,564	127,005
농림어업	-	15,207	-	4	-	-	10,575	-	-	3,082
광업	-	653	-	-	-	-	1,928	-	-	260
제조업	39,477	427,143	616	7,942	-	-	229,701	-	-	110,773
음식.담배	49	1,486	-	626	-	-	9,268	-	-	1,704
섬유.의복	167	1,776	-	557	-	-	12,779	-	-	2,060
목재.나무	-	191	-	46	-	-	1,780	-	-	230
펄프.인쇄	-	1,440	-	382	-	-	10,301	-	-	1,510
석유.화학	212	395,804	359	2,092	-	-	48,142	-	-	57,442
비금속	5,046	5,712	-	449	-	-	11,822	-	-	5,498
1차금속	31,762	1,747	257	1,320	-	-	38,392	-	-	27,493
비철금속	335	586	-	243	-	-	7,834	-	-	1,219
조립금속	-	4,173	-	1,568	-	-	86,903	-	-	9,717
기타제조	1,906	9,178	-	658	-	-	2,480	-	-	3,182
기타에너지	-	5,050	-	-	-	-	-	-	-	718
건설업	-	16,608	-	1	-	-	-	-	-	2,551
수송부문	-	262,621	-	1,113	-	-	2,246	-	336	36,875
철도운수	-	1,232	-	-	-	-	2,246	-	-	371
육상운수	-	214,780	-	1,113	-	-	-	-	336	29,672
수상운수	-	21,692	-	-	-	-	-	-	-	3,366
항공운수	-	24,917	-	-	-	-	-	-	-	3,467
가정부문	1,822	29,362	-	9,597	-	-	61,564	1,512	84	21,621
상업부문	-	18,445	-	2,916	-	-	121,668	149	38	15,921
공공부문	-	8,861	-	106	-	-	27,387	41	811	4,560
	Coal (thou.ton)	Petroleum (thou.bbl)	LNG (thou.ton)	City Gas (mil.㎥)	Hydro (GWh)	Nuclear (GWh)	Electric (GWh)	Heat (thou.toe)	Renewables (thou.toe)	Total (thou.toe)

주 1) 상업부문의 무연탄(연탄) 소비는 가정부문에 포함.

석탄	석유	LNG	도시가스	수력	원자력	전력	열에너지	신재생	합계	
(천toe)										
969	-	451	-	1,684	33,265	-	-	6,618	42,987	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
65	84	-800	-	-	-	-	-	-	-651	Stock change
876	5,814	3,520	-	-	-	-	-	-	10,210	Former stock
-811	-5,730	-4,320	-	-	-	-	-	-	-10,861	Ending stock
2,864	-3,750	-1,057	-	-	-	-	-	-	-1,944	Statistical difference
83,759	105,146	46,284	-	1,684	33,265	-	-	6,618	276,755	Primary supply
-50,096	-3,169	-45,483	22,871	-1,684	-33,265	39,136	1,702	-784	-70,773	Transformation
-50,096	-2,254	-19,186	-928	-1,684	-33,265	42,733	1,096	-784	-64,370	Electric generation
-	-269	-2,288	-413	-	-	-	666	-	-2,304	District heating
-	-646	-23,731	23,977	-	-	-	-	-	-401	Gas manufacturing
-	-	-278	236	-	-	-3,597	-60	-	-3,699	Own use & Loss
33,663	101,976	801	22,871	-	-	39,136	1,702	5,834	205,982	Final consumption
32,791	59,635	801	8,383	-	-	20,830	-	4,564	127,005	Industry
-	2,168	-	4	-	-	909	-	-	3,082	Agri.Fishery
-	95	-	-	-	-	166	-	-	260	Mining
27,017	54,822	801	8,379	-	-	19,754	-	-	110,773	Manufacturing
30	217	-	660	-	-	797	-	-	1,704	Food & Tobacco
103	270	-	588	-	-	1,099	-	-	2,060	Textile & Apparel
-	28	-	49	-	-	153	-	-	230	Wood & WoodPro.
-	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	-	-	3,302	-	-	27,493	Iron & Steel
208	81	-	257	-	-	674	-	-	1,219	Non-ferrous
-	588	-	1,655	-	-	7,474	-	-	9,717	Fabricated metal
1,182	1,092	-	695	-	-	213	-	-	3,182	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
Coal	Petroleum	LNG	City Gas	Hydro	Nuclear	Electric	Heat	Renewables	Total	
(thou.toe)										

Note 1) Domestic anthracite consumption for the commercial sector is included in the residential sector.

2-5. 2012년

	석탄 (천 톤)	석유 (천 배럴)	LNG (천 톤)	도시가스 (백만㎥)	수력 (GWh)	원자력 (GWh)	전력 (GWh)	열에너지 (천toe)	신재생 (천toe)	합계 (천toe)
국내생산	2,094	-	334	-	7,652	150,328	-	-	8,036	42,748
수입	22,700	1,344,307	36,184	-	-	-	-	-	-	304,116
(석유생산)	-	1,034,708	-	-	-	-	-	-	-	141,752
(석유수입)	-	309,599	-	-	-	-	-	-	-	37,635
수출	-	-440897	-	-	-	-	-	-	-	-61,454
국제벙커링	-	-49,091	-	-	-	-	-	-	-	-7,536
재고증감	92	-7,299	1,483	-	-	-	-	-	-	1,007
연초재고	1,720	41,141	3,323	-	-	-	-	-	-	10,794
연말재고	-1,628	-48,440	-1,840	-	-	-	-	-	-	-9,787
통계오차	3,465	-19,340	484	-	-	-	-	-	-	-56
1차에너지공급	128,351	827,679	38,485	-	7,652	150,328	-	-	8,036	278,825
에너지전환	-79,727	-31,185	-37,935	23,776	-7,652	-150,328	466,593	1,751	-912	-70,578
발전	-79,727	-22,398	-16,132	-395	-7,652	-150,328	509,574	1,146	-912	-63,254
지역난방	-	-1,300	-2,046	-533	-	-	-	668	-	-2,759
가스제조	-	-7,486	-19,558	24,327	-	-	-	-	-	-936
자가소비 및 손실	-	-	-200	376	-	-	-42,981	-63	-	-3,628
최종에너지소비	48,624	796,495	550	23,776	-	-	466,593	1,751	7,124	208,247
산업부문	46,791	477,950	550	9,135	-	-	249,136	-	5,800	128,451
농림어업	-	15,013	-	6	-	-	12,074	-	-	3,172
광업	-	633	-	-	-	-	1,616	-	-	228
제조업	38,736	446,759	550	9,129	-	-	235,445	-	-	112,104
음식.담배	50	1,163	-	672	-	-	9,793	-	-	1,739
섬유.의복	152	833	-	549	-	-	12,723	-	-	1,882
목재.나무	-	146	-	46	-	-	1,772	-	-	222
펄프.인쇄	-	635	-	418	-	-	10,051	-	-	1,394
석유.화학	230	419,626	250	2,080	-	-	50,540	-	-	58,447
비금속	4,625	4,132	-	553	-	-	10,928	-	-	4,994
1차금속	31,487	1,136	300	1,289	-	-	37,571	-	-	27,140
비철금속	351	425	-	231	-	-	8,105	-	-	1,212
조립금속	-	4,201	-	1,595	-	-	91,515	-	-	10,131
기타제조	1,840	9,019	-	1,697	-	-	2,448	-	-	4,167
기타에너지	-	5,443	-	-	-	-	-	-	-	775
건설업	-	15,545	-	1	-	-	-	-	-	2,395
수송부문	-	265,983	-	1,200	-	-	2,250	-	360	37,143
철도운수	-	1,231	-	-	-	-	2,250	-	-	370
육상운수	-	217,607	-	1,200	-	-	-	-	360	29,886
수상운수	-	20,254	-	-	-	-	-	-	-	3,154
항공운수	-	26,891	-	-	-	-	-	-	-	3,733
가정부문	1,833	25,677	-	9,720	-	-	63,536	1,553	88	21,318
상업부문	-	17,865	-	3,546	-	-	123,083	159	44	16,567
공공부문	-	9,020	-	174	-	-	28,588	40	832	4,769
	Coal (thou.ton)	Petroleum (thou.bbl)	LNG (thou.ton)	City Gas (mil.㎥)	Hydro (GWh)	Nuclear (GWh)	Electric (GWh)	Heat (thou.toe)	Renewables (thou.toe)	Total (thou.toe)

주 1) 상업부문의 무연탄(연탄) 소비는 가정부문에 포함.
2) 2012년 이후는 제6차 에너지열량환산 기준 적용

석탄	석유	LNG	도시가스	수력	원자력	전력	열에너지	신재생	합계	
(천toe)										
942	-	436	-	1,615	31,719	-	-	8,036	42,748	Domestic production
77,546	179,387	47,184	-	-	-	-	-	-	304,116	Imports
-	141,752	-	-	-	-	-	-	-	141,752	(Petroleum products)
-	37,635	-	-	-	-	-	-	-	37,635	(Petroleum imports)
-	-61,454	-	-	-	-	-	-	-	-61,454	Exports
-	-7,536	-	-	-	-	-	-	-	-7,536	Int'l bunkers
39	-966	1,934	-	-	-	-	-	-	1,007	Stock change
782	5,679	4,333	-	-	-	-	-	-	10,794	Former stock
-743	-6,645	-2,399	-	-	-	-	-	-	-9,787	Ending stock
2,578	-3,265	631	-	-	-	-	-	-	-56	Statistical difference
81,105	106,165	50,185	-	1,615	31,719	-	-	8,036	278,825	Primary supply
-49,014	-4,456	-49,468	24,728	-1,615	-31,719	40,127	1,751	-912	-70,578	Transformation
-49,014	-3,516	-21,037	-411	-1,615	-31,719	43,823	1,146	-912	-63,254	Electric generation
-	-206	-2,668	-554	-	-	-	668	-	-2,759	District heating
-	-734	-25,503	25,300	-	-	-	-	-	-936	Gas manufacturing
-	-	-260	392	-	-	-3,696	-63	-	-3,628	Own use & Loss
32,091	101,710	717	24,728	-	-	40,127	1,751	7,124	208,247	Final consumption
31,259	59,748	717	9,501	-	-	21,426	-	5,800	128,451	Industry
-	2,128	-	6	-	-	1,038	-	-	3,172	Agri.Fishery
-	89	-	-	-	-	139	-	-	228	Mining
26,507	55,137	717	9,494	-	-	20,248	-	-	112,104	Manufacturing
31	167	-	698	-	-	842	-	-	1,739	Food & Tobacco
94	124	-	570	-	-	1,094	-	-	1,882	Textile & Apparel
-	21	-	48	-	-	152	-	-	222	Wood & WoodPro.
-	95	-	435	-	-	864	-	-	1,394	Pulp & Publications
142	51,470	327	2,163	-	-	4,346	-	-	58,447	Petro. Chemical
2,849	630	-	576	-	-	940	-	-	4,994	Non-Metallic
22,041	136	391	1,341	-	-	3,231	-	-	27,140	Iron & Steel
216	59	-	240	-	-	697	-	-	1,212	Non-ferrous
-	602	-	1,659	-	-	7,870	-	-	10,131	Fabricated metal
1,134	1,059	-	1,764	-	-	211	-	-	4,167	Other manufacturing
-	775	-	-	-	-	-	-	-	775	Other energy
-	2,394	-	1	-	-	-	-	-	2,395	Construction
-	35,341	-	1,248	-	-	194	-	360	37,143	Transportation
-	176	-	-	-	-	194	-	-	370	Rail
-	28,278	-	1,248	-	-	-	-	360	29,886	Land
-	3,154	-	-	-	-	-	-	-	3,154	Water
-	3,733	-	-	-	-	-	-	-	3,733	Air
832	3,272	-	10,109	-	-	5,464	1,553	88	21,318	Residential
-	2,091	-	3,688	-	-	10,585	159	44	16,567	Commercial
-	1,258	-	181	-	-	2,459	40	832	4,769	Public
Coal	Petroleum	LNG	City Gas	Hydro	Nuclear	Electric	Heat	Renewables	Total	
(thou.toe)										

Note 1) Domestic anthracite consumption for the commercial sector is included in the residential sector.
2) Based on the 6th Calorific Value from 2012.

2-6. 2013년

	석탄 (천 톤)	석유 (천 배럴)	LNG (천 톤)	도시가스 (백만㎥)	수력 (GWh)	원자력 (GWh)	전력 (GWh)	열에너지 (천toe)	신재생 (천toe)	합계 (천toe)
국내생산	1,815	-	355	-	8,394	138,784	-	-	8,987	41,321
수입	124,702	1,331,186	39,876	-	-	-	-	-	-	308,806
(석유생산)	-	1,001,980	-	-	-	-	-	-	-	136,737
(석유수입)	-	329,205	-	-	-	-	-	-	-	40,841
수출	-	-429,291	-	-	-	-	-	-	-	-59,665
국제벙커링	-	-51,499	-	-	-	-	-	-	-	-7,901
재고증감	171	-863	-397	-	-	-	-	-	-	-580
연초재고	1,628	48,440	1,840	-	-	-	-	-	-	9,787
연말재고	-1,457	-49,303	-2,237	-	-	-	-	-	-	-10,367
통계오차	3,112	-24,331	445	-	-	-	-	-	-	-1,540
1차에너지공급	129,800	825,202	40,278	-	8,394	138,784	-	-	8,987	80,442
에너지전환	-80,015	-26,127	-39,920	23,890	-8,394	-138,784	474,849	1,695	-1,208	-70,146
발전	-80,015	-22,961	-18,021	-322	-8,394	-138,784	517,148	1,185	-1,208	-63,281
지역난방	-	-1,274	-2,108	-444	-	-	-	586	-	-2,828
가스제조	-	-1,892	-19,596	24,298	-	-	-	-	-	-443
자가소비 및 손실	-	-	-195	358	-	-	-42,299	-76	-	-3,594
최종에너지소비	49,785	799,075	358	23,890	-	-	474,849	1,695	7,779	210,296
산업부문	47,868	481,961	358	9,510	-	-	256,841	-	5,849	130,379
농림어업	-	15,403	-	4	-	-	13,062	-	-	3,310
광업	-	711	-	-	-	-	1,478	-	-	228
제조업	39,386	449,933	358	9,506	-	-	242,301	-	-	113,532
음식.담배	49	766	-	659	-	-	10,018	-	-	1,685
섬유.의복	160	588	-	355	-	-	12,429	-	-	1,623
목재.나무	-	112	-	63	-	-	1,859	-	-	241
펄프.인쇄	-	395	-	414	-	-	10,170	-	-	1,363
석유.화학	232	426,843	22	3,057	-	-	52,112	-	-	60,122
비금속	4,647	3,380	-	603	-	-	11,236	-	-	4,969
1차금속	32,053	916	336	1,247	-	-	38,033	-	-	27,550
비철금속	393	326	-	276	-	-	8,434	-	-	1,300
조립금속	-	3,464	-	1,738	-	-	95,321	-	-	10,490
기타제조	1,851	7,785	-	1,093	-	-	2,689	-	-	3,429
기타에너지	-	5,360	-	-	-	-	-	-	-	758
건설업	-	15,914	-	-	-	-	-	-	-	2,457
수송부문	-	267,364	-	1,247	-	-	2,168	-	369	37,330
철도운수	-	1,087	-	-	-	-	2,168	-	-	342
육상운수	-	223,625	-	1,247	-	-	-	-	369	30,813
수상운수	-	15,696	-	-	-	-	-	-	-	2,433
항공운수	-	26,955	-	-	-	-	-	-	-	3,742
가정부문	1,917	24,521	-	9,457	-	-	63,970	1,499	138	20,934
상업부문	-	16,428	-	3,582	-	-	122,973	158	94	16,474
공공부문	-	8,800	-	94	-	-	28,896	38	1,329	5,178
	Coal (thou.ton)	Petroleum (thou.bbl)	LNG (thou.ton)	City Gas (mil.㎥)	Hydro (GWh)	Nuclear (GWh)	Electric (GWh)	Heat (thou.toe)	Renewables (thou.toe)	Total (thou.toe)

주 1) 상업부문의 무연탄(연탄) 소비는 가정부문에 포함.
2) 2012년 이후는 제6차 에너지열량환산 기준 적용

석탄	석유	LNG	도시가스	수력	원자력	전력	열에너지	신재생	합계	
(천toe)										
817	-	463	-	1,771	29,283	-	-	8,987	41,321	Domestic production
79,230	177,578	51,998	-	-	-	-	-	-	308,806	Imports
-	136,737	-	-	-	-	-	-	-	136,737	(Petroleum products)
-	40,841	-	-	-	-	-	-	-	40,841	(Petroleum imports)
-	-59,665	-	-	-	-	-	-	-	-59,665	Exports
-	-7,901	-	-	-	-	-	-	-	-7,901	Int'l bunkers
71	-133	-518	-	-	-	-	-	-	-580	Stock change
743	6,645	2,399	-	-	-	-	-	-	9,787	Former stock
-672	-6,778	-2,917	-	-	-	-	-	-	-10,367	Ending stock
1,948	-4,068	580	-	-	-	-	-	-	-1,540	Statistical difference
82,067	105,811	52,523	-	1,771	29,283	-	-	8,987	280,442	Primary supply
-49,236	-4,002	-52,056	24,878	-1,771	-29,283	40,837	1,695	-1,208	-70,146	Transformation
-49,236	-3,608	-23,500	-335	-1,771	-29,283	44,475	1,185	-1,208	-63,281	Electric generation
-	-201	-2,749	-463	-	-	-	586	-	-2,828	District heating
-	-193	-25,554	25,303	-	-	-	-	-	-443	Gas manufacturing
-	-	-254	373	-	-	-3,638	-76	-	-3,594	Own use & Loss
32,831	101,809	467	24,878	-	-	40,837	1,695	7,779	210,296	Final consumption
31,959	60,114	467	9,903	-	-	22,088	-	5,849	130,379	Industry
-	2,183	-	4	-	-	1,123	-	-	3,310	Agri.Fishery
-	101	-	-	-	-	127	-	-	228	Mining
26,954	55,374	467	9,899	-	-	20,838	-	-	113,532	Manufacturing
30	106	-	687	-	-	862	-	-	1,685	Food & Tobacco
98	86	-	370	-	-	1,069	-	-	1,623	Textile & Apparel
-	16	-	65	-	-	160	-	-	241	Wood & WoodPro.
-	58	-	431	-	-	875	-	-	1,363	Pulp & Publications
143	52,285	29	3,184	-	-	4,482	-	-	60,122	Petro. Chemical
2,863	513	-	628	-	-	966	-	-	4,969	Non-Metallic
22,437	106	438	1,298	-	-	3,271	-	-	27,550	Iron & Steel
242	45	-	288	-	-	725	-	-	1,300	Non-ferrous
-	482	-	1,810	-	-	8,198	-	-	10,490	Fabricated metal
1,140	919	-	1,138	-	-	231	-	-	3,429	Other manufacturing
-	758	-	-	-	-	-	-	-	758	Other energy
-	2,456	-	-	-	-	-	-	-	2,457	Construction
-	35,476	-	1,299	-	-	186	-	369	37,330	Transportation
-	156	-	-	-	-	186	-	-	342	Rail
-	29,145	-	1,299	-	-	-	-	369	30,813	Land
-	2,433	-	-	-	-	-	-	-	2,433	Water
-	3,742	-	-	-	-	-	-	-	3,742	Air
872	3,075	-	9,849	-	-	5,501	1,499	138	20,934	Residential
-	1,917	-	3,730	-	-	10,576	158	94	16,474	Commercial
-	1,227	-	98	-	-	2,485	38	1,329	5,178	Public
Coal	Petroleum	LNG	City Gas	Hydro	Nuclear	Electric	Heat	Renewables	Total	
(thou.toe)										

Note 1) Domestic anthracite consumption for the commercial sector is included in the residential sector.
2) Based on the 6th Calorific Value from 2012.

2-7. 2014년

	석탄 (천 톤)	석유 (천 배럴)	LNG (천 톤)	도시가스 (백만㎥)	수력 (GWh)	원자력 (GWh)	전력 (GWh)	열에너지 (천toe)	신재생 (천toe)	합계 (천toe)
국내생산	1,748	-	247	-	7,820	156,407	-	-	10,956	46,716
수입	126,167	1,356,715	37,107	-	-	-	-	-	-	309,511
(석유생산)	-	1,030,092	-	-	-	-	-	-	-	139,907
(석유수입)	-	326,623	-	-	-	-	-	-	-	40,757
수출	-	-448,822	-	-	-	-	-	-	-	-62,301
국제벙커링	-	-53,598	-	-	-	-	-	-	-	-8,202
재고증감	-153	1,543	-945	-	-	-	-	-	-	-1,030
연초재고	1,457	50,964	2,237	-	-	-	-	-	-	10,577
연말재고	-1,610	-49,422	-3,182	-	-	-	-	-	-	-11,607
통계오차	5,810	-34,380	227	-	-	-	-	-	-	-1,602
1차에너지공급	133,572	821,457	36,636	-	7,820	156,407	-	-	10,956	283,092
에너지전환	-80,271	-12,961	-36,283	22,091	-7,820	-156,407	477,592	1,567	-1,777	-69,249
발전	-80,271	-11,025	-16,305	-292	-7,820	-156,407	521,971	1,026	-1,777	-63,008
지역난방	-	-1,036	-1,654	-334	-	-	-	539	-	-2,131
가스제조	-	-899	-18,180	22,264	-	-	-	-	-	-580
자가소비 및 손실	-	-	-144	454	-	-	-44,379	1	-	-3,530
최종에너지소비	53,301	808,496	353	22,091	-	-	477,592	1,567	9,179	213,843
산업부문	51,672	491,847	353	8,677	-	-	264,618	-	7,055	135,331
농림어업	-	11,802	-	3	-	-	13,556	-	-	2,839
광업	-	510	-	-	-	-	1,571	-	-	208
제조업	45,172	464,646	353	8,672	-	-	249,490	-	-	119,107
음식.담배	50	631	-	671	-	-	10,105	-	-	1,685
섬유.의복	171	554	-	361	-	-	11,965	-	-	1,593
목재.나무	-	65	-	74	-	-	1,928	-	-	253
펄프.인쇄	-	250	-	309	-	-	9,980	-	-	1,216
석유.화학	248	442,200	22	2,852	-	-	54,992	-	-	62,065
비금속	4,916	3,006	-	543	-	-	11,643	-	-	5,051
1차금속	37,611	880	331	1,215	-	-	40,367	-	-	31,597
비철금속	419	247	-	246	-	-	8,424	-	-	1,272
조립금속	-	3,502	-	1,737	-	-	97,262	-	-	10,667
기타제조	1,757	8,300	-	665	-	-	2,824	-	-	2,989
기타에너지	-	5,010	-	-	-	-	-	-	-	720
건설업	-	14,890	-	1	-	-	-	-	-	2,287
수송부문	-	268,775	-	1,253	-	-	2,003	-	396	37,636
철도운수	-	910	-	-	-	-	2,003	-	-	302
육상운수	-	224,339	-	1,253	-	-	-	-	396	31,045
수상운수	-	14,923	-	-	-	-	-	-	-	2,319
항공운수	-	28,602	-	-	-	-	-	-	-	3,971
가정부문	1,629	23,667	-	8,748	-	-	62,675	1,373	103	19,701
상업부문	-	14,851	-	3,332	-	-	119,949	155	156	15,838
공공부문	-	9,356	-	81	-	-	28,347	38	1,470	5,336
	Coal (thou.ton)	Petroleum (thou.bbl)	LNG (thou.ton)	City Gas (mil.㎥)	Hydro (GWh)	Nuclear (GWh)	Electric (GWh)	Heat (thou.toe)	Renewables (thou.toe)	Total (thou.toe)

주 1) 상업부문의 무연탄(연탄) 소비는 가정부문에 포함.
2) 2012년 이후는 제6차 에너지열량환산 기준 적용

석탄	석유	LNG	도시가스	수력	원자력	전력	열에너지	신재생	합계	
(천toe)										
787	-	322	-	1,650	33,002	-	-	10,956	46,716	Domestic production
80,460	180,663	48,388	-	-	-	-	-	-	309,511	Imports
-	139,907	-	-	-	-	-	-	-	139,907	(Petroleum products)
-	40,757	-	-	-	-	-	-	-	40,757	(Petroleum imports)
-	-62,301	-	-	-	-	-	-	-	-62,301	Exports
-	-8,202	-	-	-	-	-	-	-	-8,202	Int'l bunkers
-70	273	-1,232	-	-	-	-	-	-	-1,030	Stock change
672	6,988	2,917	-	-	-	-	-	-	10,577	Former stock
-742	-6,715	-4,149	-	-	-	-	-	-	-11,607	Ending stock
3,591	-5,488	296	-	-	-	-	-	-	-1,602	Statistical difference
84,766	104,944	47,773	-	1,650	33,002	-	-	10,956	283,092	Primary supply
-49,201	-1,987	-47,313	23,041	-1,650	-33,002	41,073	1,567	-1,777	-69,249	Transformation
-49,201	-1,728	-21,261	-305	-1,650	-33,002	44,889	1,026	-1,777	-63,008	Electric generation
-	-164	-2,157	-349	-	-	-	539	-	-2,131	District heating
-	-95	-23,706	23,221	-	-	-	-	-	-580	Gas manufacturing
-	-	-188	473	-	-	-3,817	1	-	-3,530	Own use & Loss
35,566	102,957	460	23,041	-	-	41,073	1,567	9,179	213,843	Final consumption
34,820	61,188	460	9,050	-	-	22,757	-	7,055	135,331	Industry
-	1,670	-	3	-	-	1,166	-	-	2,839	Agri.Fishery
-	73	-	-	-	-	135	-	-	208	Mining
30,985	57,160	460	9,045	-	-	21,456	-	-	119,107	Manufacturing
31	85	-	700	-	-	869	-	-	1,685	Food & Tobacco
106	82	-	376	-	-	1,029	-	-	1,593	Textile & Apparel
-	9	-	77	-	-	166	-	-	253	Wood & WoodPro.
-	35	-	323	-	-	858	-	-	1,216	Pulp & Publications
153	54,180	29	2,974	-	-	4,729	-	-	62,065	Petro. Chemical
3,028	456	-	566	-	-	1,001	-	-	5,051	Non-Metallic
26,328	100	432	1,267	-	-	3,472	-	-	31,597	Iron & Steel
258	33	-	257	-	-	724	-	-	1,272	Non-ferrous
-	491	-	1,811	-	-	8,365	-	-	10,667	Fabricated metal
1,082	970	-	694	-	-	243	-	-	2,989	Other manufacturing
-	720	-	-	-	-	-	-	-	720	Other energy
-	2,286	-	1	-	-	-	-	-	2,287	Construction
-	35,761	-	1,307	-	-	172	-	396	37,636	Transportation
-	130	-	-	-	-	172	-	-	302	Rail
-	29,342	-	1,307	-	-	-	-	396	31,045	Land
-	2,319	-	-	-	-	-	-	-	2,319	Water
-	3,971	-	-	-	-	-	-	-	3,971	Air
745	2,965	-	9,124	-	-	5,390	1,373	103	19,701	Residential
-	1,736	-	3,476	-	-	10,316	155	156	15,838	Commercial
-	1,306	-	85	-	-	2,438	38	1,470	5,336	Public
Coal	Petroleum	LNG	City Gas	Hydro	Nuclear	Electric	Heat	Renewables	Total	
(thou.toe)										

Note 1) Domestic anthracite consumption for the commercial sector is included in the residential sector.
2) Based on the 6th Calorific Value from 2012.

2-8. 2015년

	석탄 (천 톤)	석유 (천 배럴)	LNG (천 톤)	도시가스 (백만㎥)	수력 (GWh)	원자력 (GWh)	전력 (GWh)	열에너지 (천toe)	신재생 (천toe)	합계 (천toe)
국내생산	1,764	-	144	-	5,796	164,762	-	-	12,839	49,809
수입	128,330	1,424,862	33,366	-	-	-	-	-	-	314,779
(석유생산)	-	1,116,986	-	-	-	-	-	-	-	151,448
(석유수입)	-	307,875	-	-	-	-	-	-	-	38,134
수출	-	-477,425	-	-	-	-	-	-	-	-65,981
국제벙커링	-	-57,241	-	-	-	-	-	-	-	-8,742
재고증감	-62	-2,050	200	-	-	-	-	-	-	-89
연초재고	1,736	49,426	3,234	-	-	-	-	-	-	11,732
연말재고	-1,798	-51,475	-3,034	-	-	-	-	-	-	-11,822
통계오차	5,171	-31,939	-264	-	-	-	-	-	-	-2,071
1차에너지공급	135,203	856,206	33,446	-	5,796	164,762	-	-	12,839	287,705
에너지전환	-82,479	-14,648	-33,111	20,785	-5,796	-164,762	483,655	1,559	-2,216	-69,344
발전	-82,479	-12,852	-14,570	-292	-5,796	-164,762	528,091	1,037	-2,216	-63,622
지역난방	-	-767	-1,538	-294	-	-	-	537	-	-1,896
가스제조	-	-1,028	-16,929	20,481	-	-	-	-	-	-822
자가소비 및 손실	-	-	-73	890	-	-	-44,436	-15	-	-3,004
최종에너지소비	52,724	841,558	335	20,785	-	-	483,655	1,559	10,623	218,361
산업부문	51,251	500,991	335	7,329	-	-	265,633	-	8,126	135,713
농림어업	-	10,371	-	3	-	-	14,645	-	-	2,729
광업	-	469	-	-	-	-	1,631	-	-	207
제조업	44,193	473,752	335	7,325	-	-	249,357	-	-	117,969
음식.담배	53	600	-	658	-	-	10,485	-	-	1,701
섬유.의복	185	604	-	342	-	-	11,604	-	-	1,561
목재.나무	-	39	-	57	-	-	1,904	-	-	228
펄프.인쇄	-	241	-	220	-	-	9,933	-	-	1,118
석유.화학	232	451,272	-	1,555	-	-	55,660	-	-	61,717
비금속	4,650	3,537	-	512	-	-	12,023	-	-	4,970
1차금속	36,753	946	335	1,084	-	-	36,998	-	-	30,582
비철금속	526	234	-	326	-	-	9,193	-	-	1,486
조립금속	-	2,406	-	1,668	-	-	98,616	-	-	10,553
기타제조	1,794	8,302	-	903	-	-	2,941	-	-	3,254
기타에너지	-	5,570	-	-	-	-	-	-	-	799
건설업	-	16,399	-	1	-	-	-	-	-	2,517
수송부문	-	287,095	-	1,235	-	-	2,217	-	441	40,292
철도운수	-	829	-	-	-	-	2,217	-	-	309
육상운수	-	236,511	-	1,235	-	-	-	-	441	32,768
수상운수	-	18,998	-	-	-	-	-	-	-	2,946
항공운수	-	30,758	-	-	-	-	-	-	-	4,269
가정부문	1,473	24,657	-	8,813	-	-	63,794	1,357	243	20,137
상업부문	-	18,435	-	3,326	-	-	122,482	163	174	16,466
공공부문	-	10,380	-	82	-	-	29,529	39	1,639	5,753
	Coal (thou.ton)	Petroleum (thou.bbl)	LNG (thou.ton)	City Gas (mil.㎥)	Hydro (GWh)	Nuclear (GWh)	Electric (GWh)	Heat (thou.toe)	Renewables (thou.toe)	Total (thou.toe)

주 1) 상업부문의 무연탄(연탄) 소비는 가정부문에 포함.
2) 2012년 이후는 제6차 에너지열량환산 기준 적용

석탄	석유	LNG	도시가스	수력	원자력	전력	열에너지	신재생	합계	
(천toe)										
794	-	188	-	1,223	34,765	-	-	12,839	49,809	Domestic production
81,688	189,583	43,509	-	-	-	-	-	-	314,779	Imports
-	151,448	-	-	-	-	-	-	-	151,448	(Petroleum products)
-	38,134	-	-	-	-	-	-	-	38,134	(Petroleum imports)
-	-65,981	-	-	-	-	-	-	-	-65,981	Exports
-	-8,742	-	-	-	-	-	-	-	-8,742	Int'l bunkers
-20	-330	261	-	-	-	-	-	-	-89	Stock change
799	6,716	4,218	-	-	-	-	-	-	11,732	Former stock
-818	7,046	-3,957	-	-	-	-	-	-	-11,822	Ending stock
3,237	4,963	-345	-	-	-	-	-	-	-2,071	Statistical difference
5,699	9,566	43,613	-	1,223	34,765	-	-	12,839	287,705	Primary supply
-50,552	2,244	-43,177	21,678	-1,223	-34,765	41,594	1,559	-2,216	-69,344	Transformation
-50,552	2,015	-19,000	-304	-1,223	-34,765	45,416	1,037	-2,216	-63,622	Electric generation
-	-121	-2,005	-307	-	-	-	537	-	-1,896	District heating
-	-107	-22,076	21,361	-	-	-	-	-	-822	Gas manufacturing
-	-	-96	928	-	-	-3,822	-15	-	-3,004	Own use & Loss
35,147	107,322	437	21,678	-	-	41,594	1,559	10,623	218,361	Final consumption
34,474	62,186	437	7,644	-	-	22,844	-	8,126	135,713	Industry
-	1,467	-	3	-	-	1,259	-	-	2,729	Agri.Fishery
-	67	-	-	-	-	140	-	-	207	Mining
30,310	58,137	437	7,640	-	-	21,445	-	-	117,969	Manufacturing
33	80	-	687	-	-	902	-	-	1,701	Food & Tobacco
114	92	-	357	-	-	998	-	-	1,561	Textile & Apparel
-	6	-	59	-	-	164	-	-	228	Wood & WoodPro.
-	34	-	230	-	-	854	-	-	1,118	Pulp & Publications
143	55,165	-	1,622	-	-	4,787	-	-	61,717	Petro. Chemical
2,864	538	-	534	-	-	1,034	-	-	4,970	Non-Metallic
25,727	106	437	1,131	-	-	3,182	-	-	30,582	Iron & Steel
324	31	-	341	-	-	791	-	-	1,486	Non-ferrous
-	332	-	1,739	-	-	8,481	-	-	10,553	Fabricated metal
1,105	955	-	942	-	-	253	-	-	3,254	Other manufacturing
-	799	-	-	-	-	-	-	-	799	Other energy
-	2,516	-	1	-	-	-	-	-	2,517	Construction
-	38,373	-	1,288	-	-	191	-	441	40,292	Transportation
-	119	-	-	-	-	191	-	-	309	Rail
-	31,039	-	1,288	-	-	-	-	441	32,768	Land
-	2,946	-	-	-	-	-	-	-	2,946	Water
-	4,269	-	-	-	-	-	-	-	4,269	Air
672	3,186	-	9,192	-	-	5,486	1,357	243	20,137	Residential
-	2,127	-	3,469	-	-	10,533	163	174	16,466	Commercial
-	1,450	-	85	-	-	2,540	39	1,639	5,753	Public
Coal	Petroleum	LNG	City Gas	Hydro	Nuclear	Electric	Heat	Renewables	Total	
(thou.toe)										

Note 1) Domestic anthracite consumption for the commercial sector is included in the residential sector.
2) Based on the 6th Calorific Value from 2012.

2-9. 2016년

	석탄 (천 톤)	석유 (천 배럴)	LNG (천 톤)	도시가스 (백만㎥)	수력 (GWh)	원자력 (GWh)	전력 (GWh)	열에너지 (천toe)	신재생 (천toe)	합계 (천toe)
국내생산	1,726	-	118	-	6,634	161,995	-	-	13,575	50,087
수입	127,892	1,492,220	33,453	-	-	-	-	-	-	323,145
(석유생산)	-	1,157,612	-	-	-	-	-	-	-	157,295
(석유수입)	-	334,608	-	-	-	-	-	-	-	40,917
수출	-	-487,716	-	-	-	-	-	-	-	-67,481
국제벙커링	-	-62,494	-	-	-	-	-	-	-	-9,566
재고증감	-286	2,625	1,339	-	-	-	-	-	-	2,027
연초재고	1,865	24,813	3,034	-	-	-	-	-	-	34,115
연말재고	-2,151	-222,187	-1,695	-	-	-	-	-	-	-32,088
통계오차	97	-20,462	-5	-	-	-	-	-	-	-3,557
1차에너지공급	129,428	924,173	34,906	-	6,634	161,995	-	-	13,575	294,654
에너지전환	-80,039	-21,774	-34,520	21,271	-6,634	-161,995	497,039	1,710	-2,639	-68,973
발전	-80,039	-19,307	-15,507	-280	-6,634	-161,995	540,441	1,126	-2,639	-63,185
지역난방	-	-1,251	-1,556	-253	-	-	-	593	-	-1,897
가스제조	-	-1,217	-17,384	21,770	-	-	-	-	-	-88
자가소비 및 손실	-	-	-74	34	-	-	-43,402	-9	-	-3,802
최종에너지소비	49,389	902,399	386	21,271	-	-	497,039	1,710	10,936	225,681
산업부문	48,134	542,566	386	7,226	-	-	269,975	-	8,063	138,469
농림어업	-	9,843	-	3	-	-	15,397	-	-	2,719
광업	-	437	-	-	-	-	1,755	-	-	212
제조업	40,748	514,457	386	7,222	-	-	252,824	-	-	120,372
음식.담배	52	614	-	681	-	-	10,999	-	-	1,768
섬유.의복	159	549	-	310	-	-	11,426	-	-	1,487
목재.나무	-	33	-	28	-	-	1,918	-	-	199
펄프.인쇄	-	298	-	247	-	-	10,014	-	-	1,160
석유.화학	223	490,876	60	1,047	-	-	58,483	-	-	65,927
비금속	4,591	3,820	-	502	-	-	12,575	-	-	5,013
1차금속	33,460	730	326	1,142	-	-	35,159	-	-	28,143
비철금속	554	254	-	291	-	-	9,846	-	-	1,523
조립금속	-	2,620	-	1,627	-	-	99,313	-	-	10,594
기타제조	1,709	9,251	-	1,347	-	-	3,091	-	-	3,778
기타에너지	-	5,412	-	-	-	-	-	-	-	779
건설업	-	17,829	-	1	-	-	-	-	-	2,746
수송부문	-	303,578	-	1,217	-	-	2,689	-	443	42,714
철도운수	-	725	-	-	-	-	2,689	-	-	335
육상운수	-	247,715	-	1,217	-	-	-	-	443	34,369
수상운수	-	21,569	-	-	-	-	-	-	-	3,351
항공운수	-	33,569	-	-	-	-	-	-	-	4,659
가정부문	1,255	28,068	-	9,249	-	-	66,173	1,484	231	21,256
상업부문	-	17,934	-	3,494	-	-	127,435	187	167	17,005
공공부문	-	10,253	-	84	-	-	30,767	39	2,032	6,237
	Coal (thou.ton)	Petroleum (thou.bbl)	LNG (thou.ton)	City Gas (mil.㎥)	Hydro (GWh)	Nuclear (GWh)	Electric (GWh)	Heat (thou.toe)	Renewables (thou.toe)	Total (thou.toe)

주 1) 상업부문의 무연탄(연탄) 소비는 가정부문에 포함.
2) 2012년 이후는 제6차 에너지열량환산 기준 적용

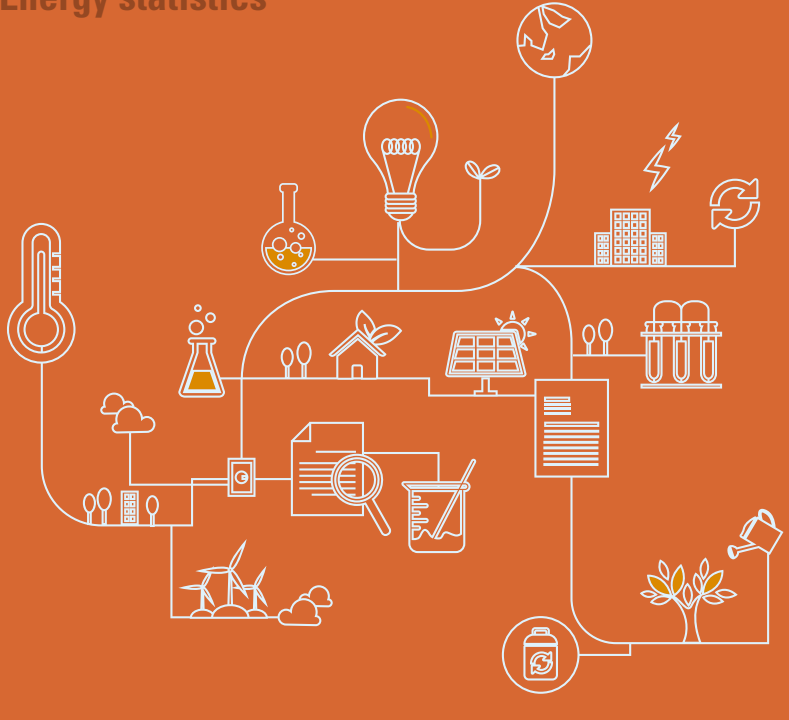
석탄	석유	LNG	도시가스	수력	원자력	전력	열에너지	신재생	합계	
(천toe)										
777	-	154	-	1,400	34,181	-	-	13,575	50,087	Domestic production
81,311	198,211	43,623	-	-	-	-	-	-	323,145	Imports
-	157,295	-	-	-	-	-	-	-	157,295	(Petroleum products)
-	40,917	-	-	-	-	-	-	-	40,917	(Petroleum imports)
-	-67,481	-	-	-	-	-	-	-	-67,481	Exports
-	-9,566	-	-	-	-	-	-	-	-9,566	Int'l bunkers
-128	408	1,747	-	-	-	-	-	-	2,027	Stock change
849	29,310	3,957	-	-	-	-	-	-	34,115	Former stock
-977	-28,901	-2,210	-	-	-	-	-	-	-32,088	Ending stock
-87	-3,464	-6	-	-	-	-	-	-	-3,557	Statistical difference
81,872	118,108	45,518	-	1,400	34,181	-	-	13,575	294,654	Primary supply
-49,032	-3,348	-45,014	22,186	-1,400	-34,181	42,745	1,710	-2,639	-68,973	Transformation
-49,032	-3,025	-20,221	-292	-1,400	-34,181	46,478	1,126	-2,639	-63,185	Electric generation
-	-198	-2,029	-263	-	-	-	593	-	-1,897	District heating
-	-125	-22,669	22,706	-	-	-	-	-	-88	Gas manufacturing
-	-	-96	36	-	-	-3,733	-9	-	-3,802	Own use & Loss
32,840	114,760	504	22,186	-	-	42,745	1,710	10,936	225,681	Final consumption
32,269	66,879	504	7,537	-	-	23,218	-	8,063	138,469	Industry
-	1,392	-	3	-	-	1,324	-	-	2,719	Agri.Fishery
-	61	-	-	-	-	151	-	-	212	Mining
27,912	62,681	504	7,532	-	-	21,743	-	-	120,372	Manufacturing
32	79	-	711	-	-	946	-	-	1,768	Food & Tobacco
98	83	-	323	-	-	983	-	-	1,487	Textile & Apparel
-	5	-	29	-	-	165	-	-	199	Wood & WoodPro.
-	42	-	257	-	-	861	-	-	1,160	Pulp & Publications
137	59,589	78	1,092	-	-	5,030	-	-	65,927	Petro. Chemical
2,828	580	-	523	-	-	1,081	-	-	5,013	Non-Metallic
23,422	80	425	1,191	-	-	3,024	-	-	28,143	Iron & Steel
341	32	-	303	-	-	847	-	-	1,523	Non-ferrous
-	356	-	1,697	-	-	8,541	-	-	10,594	Fabricated metal
1,053	1,055	-	1,405	-	-	266	-	-	3,778	Other manufacturing
-	779	-	-	-	-	-	-	-	779	Other energy
-	2,745	-	1	-	-	-	-	-	2,746	Construction
-	40,771	-	1,270	-	-	231	-	443	42,714	Transportation
-	104	-	-	-	-	231	-	-	335	Rail
-	32,656	-	1,270	-	-	-	-	443	34,369	Land
-	3,351	-	-	-	-	-	-	-	3,351	Water
-	4,659	-	-	-	-	-	-	-	4,659	Air
571	3,632	-	9,647	-	-	5,691	1,484	231	21,256	Residential
-	2,047	-	3,645	-	-	10,959	187	167	17,005	Commercial
-	1,432	-	88	-	-	2,646	39	2,032	6,237	Public
Coal	Petroleum	LNG	City Gas	Hydro	Nuclear	Electric	Heat	Renewables	Total	
(thou.toe)										

Note 1) Domestic anthracite consumption for the commercial sector is included in the residential sector.
2) Based on the 6th Calorific Value from 2012.

2017

자주 찾는 에너지 통계

Energy statistics



03 주요국의 에너지통계

3-1. 주요 에너지·경제통계(2015년)
3-2. OECD 국가별 에너지 수입(2016년)
3-3. 주요국 1차 에너지(2015년)
3-4. 주요국 전력 소비
3-5. OECD 국가별 최종 에너지 소비(2015년)
3-6. OECD 국가별 경제활동별 부가가치(USD, 2015년)
3-7. 에너지원별 국제 가격
3-8. OECD 에너지 가격(2016년)
3-9. OECD 에너지 가격대비 세금 비중(2016년)
3-10. 주요국 CO_2 배출량
3-11. 주요국 석유 정제 능력

03 주요국의 에너지통계

3-1. 주요 에너지·경제통계(2015년)

	인구 (백만 명)	GDP (2010년 십억 달러)	GDP(PPP) (2010년 십억 달러)	에너지생산 (백만toe)	에너지순수입 (백만toe)	1차에너지 (백만toe)	전력소비[1] (TWh)	CO_2배출량[2] (백만CO_2톤)
세계	7,334	75,489	105,035	13,790	-	13,647[3]	22,386	32,294[4]
OECD	1,277	48,750	47,731	4,164	1,320	5,259	10,234	11,720
중동	227	2,201	4,967	1,884	-1,116	729	920	1,740
비OECD 유럽 및 유라시아	341	2,767	5,421	1,833	-696	1,106	1,551	2,403
중국	1,379	9,174	18,432	2,496	518	2,987	5,593	9,085
비OECD 아시아	2,438	5,948	16,764	1,479	371	1,769	2,397	3,887
비OECD 아메리카	485	4,342	6,362	816	-167	628	1,019	1,132
아프리카	1,187	2,306	5,358	1,118	-318	788	671	1,140
알바니아	2.9	13.1	29.8	2.1	0.3	2.2	6.0	3.8
알제리	39.7	189.8	536.1	142.8	-88.8	54.0	57.6	130.4
앙골라	25.0	103.9	170.1	99.7	-84.1	15.0	8.7	20.4
아르헨티나	43.4	455.9	706.6	73.8	13.7	86.0	134.1	191.4
아르메니아	3.0	11.5	23.4	1.1	2.0	3.1	5.7	4.7
호주	24.1	1,485.3	1,077.5	381.3	-249.6	125.3	238.1	380.9
오스트리아	8.6	411.2	369.3	12.0	20.4	32.8	72.0	62.1
아제르바이잔	9.6	59.0	157.9	58.3	-44.1	14.4	21.7	30.8
바레인	1.4	30.8	59.5	22.8	-8.2	14.3	27.8	30.1
방글라데시	161.0	156.6	494.8	31.2	7.0	37.9	52.5	70.5
벨라루스	9.5	58.6	154.9	3.6	21.5	25.3	33.8	53.2
벨기에	11.2	508.1	459.6	10.7	50.8	53.3	87.8	92.5
베냉	10.9	8.8	20.6	2.7	1.9	4.6	1.2	5.3
볼리비아	10.7	25.7	68.6	21.0	-12.7	8.3	7.7	18.3
보스니아헤르체고비나	3.8	18.3	36.6	6.2	2.0	8.0	12.1	22.2
보츠와나	2.3	16.0	33.0	1.7	1.0	2.7	3.9	7.1
브라질	207.8	2,330.4	2,959.5	279.4	25.3	298.0	523.0	450.8
브루나이	0.4	13.6	27.6	16.1	-13.2	2.7	3.9	6.0
	Population (million)	GDP (billion 2010 USD)	GDP(PPP) (billion 2010 USD)	Energy prod. (Mtoe)	Net imports (Mtoe)	TPES (Mtoe)	Elec.Cons.[1] (TWh)	CO_2 emissions[2] (Mt of CO_2)

1. 총생산량+수입량−수출량−손실량
2. 연소에 의한 CO_2 배출량만이며, IEA 에너지밸런스와 개정된 2006년 IPCC 지침에 의해 산출됨. 또한 비에너지로부터의 배출량은 제외함
3. 세계 1차에너지공급은 전력 및 열 무역뿐만 아니라 국제 항공 및 해상 벙커링을 포함
4. 세계 CO_2 배출량은 국제 항공 및 해상 벙커링으로부터의 배출량을 포함

자료 : IEA, Key world energy statistics 2017

3-1. Major Energy & Economic Statistics(2015)

1차에너지/인구 (toe/인)	1차에너지/GDP (toe/천달러)	1차에너지/GDP(PPP) (toe/천달러)	전력소비/인구 (kWh/인)	CO_2/1차에너지 (tCO_2/toe)	CO_2/인구 (tCO_2/인)	CO_2/GDP (kg CO_2/달러)	CO_2/GDP(PPP) (kg CO_2/달러)	
1.86	0.18	0.13	3,052	2.37	4.40	0.43	0.31	World
4.12	0.11	0.11	8,016	2.23	9.18	0.24	0.25	OECD
3.21	0.33	0.15	4,052	2.39	7.66	0.79	0.35	Middle East
3.24	0.40	0.20	4,548	2.17	7.05	0.87	0.44	Non-OECD Europe and Eurasia
2.17	0.33	0.16	4,057	3.04	6.59	0.99	0.49	China
0.73	0.30	0.11	983	2.20	1.59	0.65	0.23	Non-OECD Asia
1.29	0.14	0.10	2,101	1.80	2.33	0.26	0.18	Non-OECD Americas
0.66	0.34	0.15	566	1.45	0.96	0.49	0.21	Africa
0.76	0.17	0.07	2,092	1.75	1.32	0.29	0.13	Albania
1.36	0.28	0.10	1,451	2.41	3.29	0.69	0.24	Algeria
0.60	0.14	0.09	346	1.37	0.82	0.20	0.12	Angola
1.98	0.19	0.12	3,088	2.23	4.41	0.42	0.27	Argentina
1.02	0.27	0.13	1,901	1.53	1.56	0.41	0.20	Armenia
5.21	0.08	0.12	9,892	3.04	15.83	0.26	0.35	Australia
3.80	0.08	0.09	8,346	1.89	7.20	0.15	0.17	Austria
1.49	0.24	0.09	2,245	2.15	3.19	0.52	0.20	Azerbaijan
10.36	0.46	0.24	20,190	2.11	21.83	0.98	0.51	Bahrain
0.24	0.24	0.08	326	1.86	0.44	0.45	0.14	Bangladesh
2.66	0.43	0.16	3,560	2.11	5.61	0.91	0.34	Belarus
4.75	0.10	0.12	7,834	1.74	8.25	0.18	0.20	Belgium
0.42	0.52	0.22	106	1.16	0.49	0.60	0.26	Benin
0.77	0.32	0.12	719	2.21	1.70	0.71	0.27	Bolivia
2.11	0.44	0.22	3,176	2.77	5.84	1.22	0.61	Bosnia and Herzegovina
1.20	0.17	0.08	1,724	2.60	3.12	0.44	0.21	Botswana
1.43	0.13	0.10	2,516	1.51	2.17	0.19	0.15	Brazil
6.42	0.20	0.10	9,293	2.20	14.13	0.44	0.22	Brunei Darrussalam
TPES/pop. (toe/capita)	TPES/GDP (toe/1,000USD)	TPES/GDP(PPP) (toe/1,000USD)	Elec. Cons./pop. (kWh/capita)	CO_2/TPES (t CO_2/toe)	CO_2/pop. (t CO_2/capita)	CO_2/GDP (kg CO_2/USD)	CO_2/GDP(PPP) (kg CO_2/USD)	

1. Gross production+imports-exports-losses
2. CO_2 emissions from fuel combustion only. Emissions are calculated using the IEA's energy balances and the Revised 2006 IPCC Guidelines, and exclude emissions from non-energy
3. TPES for world includes international aviation and international marine bunkers as well as electricity and heat trade
4. CO_2 emissions for world include emissions from international aviation and international marine bunkers

Source : IEA, Key world energy statistics 2017

03 주요국의 에너지통계

3-1 주요에너지·경제통계(2015년)

	인구 (백만 명)	GDP (2010년 십억 달러)	GDP(PPP) (2010년 십억 달러)	에너지생산 (백만toe)	에너지순수입 (백만toe)	1차에너지 (백만toe)	전력소비[1] (TWh)	CO_2배출량[2] (백만CO_2톤)
불가리아	7.2	54.6	120.4	12.1	6.9	18.6	34.9	43.8
캄보디아	15.6	15.9	50.0	4.4	2.7	7.0	5.1	8.0
카메룬	23.3	30.4	66.9	10.7	2.7	7.8	5.9	6.0
캐나다	35.9	1,796.4	1,515.4	471.3	199.2	270.2	544.5	549.2
칠레	18.0	263.1	375.6	12.9	24.0	36.1	71.7	81.6
중국(홍콩 제외)	1,371.2	8,909.8	18,049.6	2,495.6	489.0	2,973.3	5,548.7	9,040.7
콜롬비아	48.2	359.2	613.7	124.7	89.8	33.8	59.4	72.3
콩고	4.6	14.6	27.1	15.1	12.4	2.7	1.0	2.7
코스타리카	4.8	44.4	67.2	2.6	2.5	4.9	9.5	6.9
코트디부아르	22.7	34.0	73.4	12.6	0.5	13.0	6.1	9.7
크로아티아	4.2	58.3	82.0	4.4	4.2	8.4	16.4	15.5
쿠바	11.4	73.9	234.5	5.8	7.1	12.0	17.2	29.9
쿠라사우	0.2	1.8	1.7	0.0	3.7	2.1	0.7	4.9
키프로스	0.8	23.4	25.8	0.1	2.4	2.0	4.3	5.9
체코	10.5	223.8	313.3	29.1	13.5	42.1	67.3	99.6
북한	25.2	26.9	100.8	18.8	11.0	7.8	11.6	22.5
콩고 민주공화국	77.3	29.7	55.8	29.1	0.1	28.9	7.3	2.7
덴마크	5.7	341.0	253.1	16.0	2.3	16.1	33.0	32.0
도미나카공화국	10.5	69.0	139.0	1.0	7.8	8.2	16.2	21.4
에콰도르	16.1	86.6	170.5	30.3	14.6	15.1	23.0	37.6
이집트	91.5	247.7	919.0	69.5	10.6	79.4	160.5	198.6
엘살바도르	6.1	23.6	48.6	2.1	2.4	4.3	6.2	6.5
에리트레아	5.3	2.8	80.0	0.7	0.2	0.9	0.4	0.6
에스토니아	1.3	23.2	34.2	5.6	0.5	5.4	8.8	15.5
에티오피아	99.4	48.3	149.0	46.7	3.7	50.0	8.5	10.2
핀란드	5.5	247.7	208.1	17.8	15.7	32.5	82.5	42.1
마케도니아	2.1	10.6	27.1	1.3	1.4	2.7	7.1	7.2
프랑스	66.5	2,777.5	2,455.9	137.8	115.7	246.5	468.4	290.5
가봉	1.7	18.6	31.9	15.9	-10.6	5.1	2.0	3.2
조지아	3.7	14.8	32.8	1.3	3.4	4.6	10.2	8.4
독일	81.7	3,696.6	3,473.5	119.6	198.3	307.8	573.0	729.8
	Population (million)	GDP (billion 2010 USD)	GDP(PPP) (billion 2010 USD)	Energy prod. (Mtoe)	Net imports (Mtoe)	TPES (Mtoe)	Elec.Cons.[1] (TWh)	CO_2 emissions[2] (Mt of CO_2)

1. 총생산량+수입량-수출량-손실량
2. 연소에 의한 CO_2 배출량만이며, IEA 에너지밸런스와 개정된 2006년 IPCC 지침에 의해 산출됨. 또한 비에너지로부터의 배출량은 제외함

자료 : IEA, Key world energy statistics 2017

3-1. Major Energy & Economic Statistics(2015)

1차에너지/인구 (toe/인)	1차에너지/GDP (toe/천 달러)	1차에너지/GDP(PPP) (toe/천 달러)	전력소비/인구 (kWh/인)	CO_2/1차에너지 (tCO_2/toe)	CO_2/인구 (tCO_2/인)	CO_2/GDP (kg CO_2/달러)	CO_2/GDP(PPP) (kg CO_2/달러)	
2.59	0.34	0.15	4,858	2.35	6.10	0.80	0.36	Bulgaria
0.45	0.44	0.14	328	1.14	0.51	0.50	0.16	Cambodia
0.33	0.26	0.12	251	0.77	0.26	0.20	0.09	Cameroon
7.54	0.15	0.18	15,188	2.03	15.32	0.31	0.36	Canada
2.00	0.14	0.10	3,972	2.26	4.52	0.31	0.22	Chile
2.17	0.33	0.16	4,047	3.04	6.59	1.01	0.50	China(People's Rep. of)
0.70	0.09	0.06	1,231	2.14	1.50	0.20	0.12	Colombia
0.57	0.18	0.10	207	1.02	0.58	0.18	0.10	Republic of the Congo
1.03	0.11	0.07	1,985	1.41	1.44	0.16	0.10	Costa Rica
0.57	0.38	0.18	269	0.74	0.43	0.28	0.13	CÔte d'Ivoire
2.00	0.14	0.10	3,899	1.85	3.69	0.27	0.19	Croatia
1.06	0.16	0.05	1,506	2.48	2.62	0.40	0.13	Cuba
12.98	1.11	1.24	4,582	2.37	30.72	2.63	2.93	Curacao
2.38	0.09	0.08	5,098	2.93	6.96	0.25	0.23	Cyprus
4.00	0.19	0.13	6,384	2.36	9.44	0.44	0.32	Czech Republic
0.31	0.29	0.08	460	2.88	0.90	0.84	0.22	DPR of Korea
0.37	0.97	0.52	94	0.09	0.04	0.09	0.05	Dem. Rep. of the Congo
2.83	0.05	0.06	5,812	1.99	5.63	0.09	0.13	Denmark
0.78	0.12	0.06	1,537	2.59	2.03	0.31	0.15	Dominican Republic
0.93	0.17	0.09	1,426	2.50	2.33	0.43	0.22	Ecuador
0.87	0.32	0.09	1,754	2.50	2.17	0.80	0.22	Egypt
0.70	0.18	0.09	1,014	1.50	1.05	0.27	0.13	El Salvador
0.16	0.30	0.11	67	0.72	0.12	0.22	0.08	Eritrea
4.13	0.23	0.16	6,698	2.86	11.83	0.67	0.45	Estonia
0.50	1.03	0.34	86	0.20	0.10	0.21	0.07	Ethiopia
5.93	0.13	0.16	15,050	1.30	7.68	0.17	0.20	Finland
1.29	0.25	0.10	3,428	2.70	3.48	0.68	0.27	FYR of Macedonia
3.71	0.09	0.10	7,043	1.18	4.37	0.10	0.12	France
2.94	0.27	0.16	1,152	0.64	1.88	0.17	0.10	Gabon
1.25	0.31	0.14	2,734	1.81	2.26	0.57	0.26	Georgia
3.77	0.08	0.09	7,015	2.37	8.93	0.20	0.21	Germany
TPES/pop. (toe/capita)	TPES/GDP (toe/1,000USD)	TPES/GDP(PPP) (toe/1,000USD)	Elec. Cons./pop. (kWh/capita)	CO_2/TPES (t CO_2/toe)	CO_2/pop. (t CO_2/capita)	CO_2/GDP (kg CO_2/USD)	CO_2/GDP(PPP) (kg CO_2/USD)	

1. Gross production+imports-exports-losses
2. CO_2 emissions from fuel combustion only. Emissions are calculated using the IEA's energy balances and the Revised 2006 IPCC Guidelines, and exclude emissions from non-energy

Source : IEA, Key world energy statistics 2017

03 주요국의 에너지통계

3-1. 주요 에너지·경제통계(2015년)

	인구 (백만 명)	GDP (2010년 십억 달러)	GDP(PPP) (2010년 십억 달러)	에너지생산 (백만toe)	에너지순수입 (백만toe)	1차에너지 (백만toe)	전력소비[1] (TWh)	CO_2배출량[2] (백만CO_2톤)
가나	27.4	46.5	106.2	10.2	-0.5	9.7	8.8	14.0
지브롤터	0.0	1.2	1.0	0.0	3.8	0.2	0.2	0.6
그리스	10.9	244.3	256.0	8.5	18.4	23.2	56.6	64.6
과테말라	16.3	49.9	116.1	8.6	5.1	12.7	9.8	15.1
아이티	10.7	7.8	17.3	3.3	1.0	4.3	0.4	3.2
온두라스	8.1	18.7	37.9	2.7	2.4	5.7	7.8	9.2
홍콩	7.3	264.3	382.7	0.1	28.9	13.9	44.0	43.9
헝가리	9.8	142.9	235.5	11.3	13.6	25.2	40.3	42.5
아이슬란드	0.3	15.2	14.0	4.9	1.0	5.6	18.2	2.1
인도	1,311.1	2,296.6	7,364.8	554.4	306.8	851.1	1,126.5	2,066.0
인도네시아	257.6	987.5	2,620.8	425.9	-199.3	225.4	211.9	441.9
이란	79.1	464.1	1,264.2	324.2	-82.5	236.5	236.4	552.4
이라크	36.4	186.5	516.0	182.8	-137.9	47.9	44.4	132.1
아일랜드	4.6	303.0	269.8	1.9	12.7	13.3	27.0	35.3
이스라엘	8.4	277.5	261.2	7.3	16.9	23.0	56.6	62.3
이탈리아	60.7	2,059.5	2,015.0	36.1	121.5	152.6	309.7	330.7
자메이카	2.8	13.6	22.8	0.5	2.8	2.9	3.0	7.0
일본	127.0	5,986.1	4,462.3	30.3	409.1	429.8	998.7	1,141.6
요르단	7.6	30.2	76.2	0.3	8.8	8.6	17.4	23.8
카자흐스탄	17.5	186.3	421.4	164.1	-86.5	78.1	101.3	225.1
케냐	46.1	52.2	130.9	20.4	5.4	25.1	7.8	14.1
한국	50.6	1,266.6	1,742.0	51.4	237.0	272.7	534.4	586.0
코소보	1.8	6.8	16.1	1.8	0.7	2.5	5.3	8.6
쿠웨이트	3.9	139.7	267.3	167.8	-130.8	34.7	58.2	85.4
키르기스스탄	6.0	6.1	18.8	1.8	2.6	4.0	10.9	9.9
라트비아	2.0	28.3	44.0	2.3	2.4	4.3	6.9	6.8
레바논	5.9	41.2	75.0	0.2	7.7	7.6	16.7	22.7
리비아	6.3	34.2	81.9	31.6	-13.6	17.2	10.4	45.3
리투아니아	2.9	44.6	74.7	1.8	5.6	7.2	11.3	10.5
룩셈부르크	0.6	62.1	50.8	0.1	4.0	3.7	8.2	8.8
말레이시아	30.3	330.0	752.2	96.5	-8.3	85.9	141.2	220.4
	Population (million)	GDP (billion 2010 USD)	GDP(PPP) (billion 2010 USD)	Energy prod. (Mtoe)	Net imports (Mtoe)	TPES (Mtoe)	Elec. Cons.[1] (TWh)	CO_2 emissions[2] (Mt of CO_2)

1. 총생산량+수입량-수출량-손실량
2. 연소에 의한 CO_2 배출량만이며, IEA 에너지밸런스와 개정된 2006년 IPCC 지침에 의해 산출됨. 또한 비에너지로부터의 배출량은 제외함

자료 : IEA, Key world energy statistics 2017

3-1. Major Energy & Economic Statistics(2015)

1차에너지/인구 (toe/인)	1차에너지/GDP (toe/천 달러)	1차에너지/GDP(PPP) (toe/천 달러)	전력소비/인구 (kWh/인)	CO_2/1차에너지 (tCO_2/toe)	CO_2/인구 (tCO_2/인)	CO_2/GDP (kg CO_2/달러)	CO_2/GDP(PPP) (kg CO_2/달러)	
0.35	0.21	0.09	320	1.45	0.51	0.30	0.13	Ghana
6.28	0.19	0.21	6,091	2.77	17.39	0.49	0.57	Gibraltar
2.14	0.09	0.09	5,212	2.79	5.95	0.26	0.25	Greece
0.78	0.25	0.11	602	1.19	0.93	0.30	0.13	Guatemala
0.40	0.55	0.25	40	0.75	0.30	0.41	0.19	Haiti
0.70	0.30	0.15	968	1.63	1.14	0.49	0.24	Honduras
1.90	0.05	0.04	6,025	3.16	6.01	0.17	0.11	Hong Kong, China
2.56	0.18	0.11	4,099	1.69	4.32	0.30	0.18	Hungary
16.87	0.37	0.40	55,054	0.37	6.20	0.14	0.15	Iceland
0.65	0.37	0.12	859	2.43	1.58	0.90	0.28	India
0.87	0.23	0.09	823	1.96	1.72	0.45	0.17	Indonesia
2.99	0.51	0.19	2,988	2.34	6.98	1.19	0.44	Islamic Rep. of Iran
1.31	0.26	0.09	1,218	2.76	3.63	0.71	0.26	Iraq
2.86	0.04	0.05	5,811	2.66	7.61	0.12	0.13	Ireland
2.74	0.08	0.09	6,751	2.71	7.44	0.22	0.24	Israel
2.51	0.07	0.08	5,099	2.17	5.45	0.16	0.16	Italy
1.04	0.21	0.13	1,069	2.42	2.50	0.51	0.31	Jamaica
3.38	0.07	0.10	7,865	2.66	8.99	0.19	0.26	Japan
1.14	0.29	0.11	2,288	2.76	3.13	0.79	0.31	Jordan
4.45	0.42	0.19	5,774	2.88	12.83	1.21	0.53	Kazakhstan
0.55	0.48	0.19	169	0.56	0.31	0.27	0.11	Kenya
5.39	0.22	0.16	10,558	2.15	11.58	0.46	0.34	Korea
1.40	0.37	0.16	2,914	3.43	4.78	1.26	0.53	Kosovo
8.90	0.25	0.13	14,951	2.46	21.93	0.61	0.32	Kuwait
0.67	0.66	0.21	1,831	2.48	1.66	1.63	0.53	Kyrgyzstan
2.16	0.15	0.10	3,492	1.61	3.46	0.24	0.16	Latvia
1.31	0.19	0.10	2,861	2.97	3.88	0.55	0.30	Labanon
2.75	0.50	0.21	1,656	2.63	7.22	1.32	0.55	Libya
2.49	0.16	0.10	3,906	1.46	3.63	0.24	0.14	Lithuania
6.55	0.06	0.07	14,418	2.36	15.47	0.14	0.17	Luxembourg
2.83	0.26	0.11	4,656	2.57	7.27	0.67	0.29	Malaysia
TPES/pop. (toe/capita)	TPES/GDP (toe/1,000USD)	TPES/GDP(PPP) (toe/1,000USD)	Elec. Cons./pop. (kWh/capita)	CO_2/TPES (t CO_2/toe)	CO_2/pop. (t CO_2/capita)	CO_2/GDP (kg CO_2/USD)	CO_2/GDP(PPP) (kg CO_2/USD)	

1. Gross production+imports-exports-losses
2. CO_2 emissions from fuel combustion only. Emissions are calculated using the IEA's energy balances and the Revised 2006 IPCC Guidelines, and exclude emissions from non-energy

Source : IEA, Key world energy statistics 2017

03 주요국의 에너지통계

3-1. 주요 에너지·경제통계(2015년)

	인구 (백만 명)	GDP (2010년 십억 달러)	GDP(PPP) (2010년 십억 달러)	에너지생산 (백만toe)	에너지순수입 (백만toe)	1차에너지 (백만toe)	전력소비[1] (TWh)	CO_2배출량[2] (백만CO_2톤)
몰타	0.4	10.5	13.3	0.0	2.2	0.6	2.2	1.6
모리셔스	1.3	12.0	22.8	0.3	1.8	1.5	2.8	4.0
멕시코	121.0	1,207.7	1,990.2	191.8	-1.6	187.4	269.8	442.3
몰도바	3.6	7.0	16.6	0.3	3.1	3.4	5.0	7.6
몽골	3.0	11.7	33.3	14.9	-9.6	4.9	6.1	17.2
몬테네그로	0.6	4.5	9.1	0.7	0.3	1.0	2.9	2.4
모로코	34.4	113.2	252.2	1.8	18.8	19.4	30.7	54.9
모잠비크	28.0	14.3	30.7	19.1	-5.5	13.0	14.2	5.0
미얀마	53.9	88.6	308.3	26.7	-6.9	19.8	13.4	24.4
나미비아	2.5	14.8	23.6	0.5	1.4	1.9	3.8	3.8
네팔	28.5	19.7	64.6	9.8	2.0	11.7	3.9	5.6
네덜란드	16.9	868.3	769.0	47.6	47.5	73.8	113.6	156.0
뉴질랜드	4.6	167.4	155.3	16.5	4.9	20.6	41.4	31.2
니카라과	6.1	11.2	29.1	2.2	1.7	3.9	3.8	5.1
니제르	19.9	7.6	17.5	3.0	0.0	3.0	1.1	2.0
나이지리아	182.2	461.8	1,006.6	254.3	-116.7	139.4	26.2	64.4
노르웨이	5.2	465.0	307.7	208.1	-177.3	29.6	121.5	36.7
오만	4.5	71.7	165.1	77.5	-50.4	25.4	29.6	64.3
파키스탄	188.9	215.9	871.1	70.9	23.7	93.9	92.2	146.0
파나마	3.9	42.2	80.4	0.9	6.6	4.3	8.8	10.7
파라과이	6.6	25.4	56.2	7.1	-1.7	5.4	11.0	5.7
페루	31.4	186.2	358.9	25.5	-0.2	24.6	42.9	49.1
필리핀	100.7	265.8	684.5	26.3	27.0	52.1	74.9	103.9
폴란드	38.5	556.2	931.8	67.7	28.8	94.9	154.1	282.4
포르투갈	10.4	227.5	276.2	5.3	18.5	22.0	49.8	47.0
카타르	2.2	167.0	294.7	221.3	-171.9	45.4	39.0	79.9
루마니아	109.8	189.0	377.7	26.5	.5.4	31.9	52.4	69.5
러시아	144.1	1,723.9	3,103.3	1,334.2	-601.9	709.7	949.3	1,469.0
사우디아라비아	31.5	672.2	1,553.9	648.6	-423.1	221.7	313.1	531.5
세네갈	15.1	15.8	33.9	1.9	2.5	4.1	3.3	6.6
세르비아	7.1	40.2	87.7	10.8	4.1	14.8	32.2	44.5
	Population (million)	GDP (billion 2010 USD)	GDP(PPP) (billion 2010 USD)	Energy prod. (Mtoe)	Net imports (Mtoe)	TPES (Mtoe)	Elec. Cons.[1] (TWh)	CO_2 emissions[2] (Mt of CO_2)

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자료 : IEA, Key world energy statistics 2017

3-1. Major Energy & Economic Statistics(2015)

1차에너지/인구 (toe/인)	1차에너지/GDP (toe/천 달러)	1차에너지/GDP(PPP) (toe/천 달러)	전력소비/인구 (kWh/인)	CO_2/1차에너지 (tCO_2/toe)	CO_2/인구 (tCO_2/인)	CO_2/GDP (kg CO_2/달러)	CO_2/GDP(PPP) (kg CO_2/달러)	
1.48	0.06	0.05	5,042	2.57	3.81	0.16	0.12	Malta
1.15	0.12	0.06	2,233	2.73	3.14	0.33	0.17	Mauritius
1.55	0.16	0.09	2,230	2.36	3.66	0.37	0.22	Mexico
0.95	0.48	0.20	1,396	2.24	2.13	1.08	0.46	Moldova
1.67	0.42	0.15	2,064	3.47	5.80	1.47	0.52	Mongolia
1.62	0.22	0.11	4,727	2.34	3.80	0.52	0.26	Montenegro
0.56	0.17	0.08	892	2.83	1.60	0.49	0.22	Morocco
0.46	0.90	0.42	507	0.39	0.18	0.35	0.16	Mzambigue
0.37	0.22	0.06	249	1.23	0.45	0.28	0.08	Myanmar
0.76	0.13	0.08	1,540	2.04	1.55	0.26	0.16	Namibia
0.41	0.59	0.18	138	0.48	0.20	0.28	0.09	Nepal
4.36	0.09	0.10	6,706	2.11	9.21	0.18	0.20	Netherlands
4.46	0.12	0.13	8,947	1.51	6.74	0.19	0.20	New Zealand
0.64	0.35	0.13	617	1.31	0.85	0.46	0.18	Nicaragua
0.15	0.39	0.17	55	0.67	0.10	0.26	0.11	Niger
0.76	0.30	0.14	144	0.46	0.35	0.14	0.06	Nigeria
5.71	0.06	0.10	23,403	1.24	7.07	0.08	0.12	Norway
5.65	0.35	0.15	6,588	2.53	14.32	0.90	0.39	Oman
0.50	0.43	0.11	488	1.56	0.77	0.68	0.17	Pakistan
1.08	0.10	0.05	2,233	2.51	2.72	0.25	0.13	Panama
0.82	0.21	0.10	1,661	1.05	0.86	0.22	0.10	Pataguay
0.78	0.13	0.07	1,366	2.00	1.57	0.26	0.14	Peru
0.52	0.20	0.08	744	1.99	1.03	0.39	0.15	Philippines
2.47	0.17	0.10	4,007	2.97	7.34	0.51	0.30	Poland
2.12	0.10	0.08	4,807	2.14	4.54	0.21	0.17	Portugal
20.33	0.27	0.15	17,460	1.76	35.77	0.48	0.27	Qatar
1.61	0.17	0.08	2,645	2.18	3.51	0.37	0.18	Romania
4.93	0.41	0.23	6,588	2.07	10.19	0.85	0.47	Russian Federation
7.03	0.33	0.14	9,926	2.40	16.85	0.79	0.34	Saudi Arabia
0.27	0.26	0.12	218	1.63	0.44	0.42	0.20	Senegal
2.08	0.37	0.17	4,540	3.02	6.27	1.11	0.51	Serbia
TPES/pop. (toe/capita)	TPES/GDP (toe/1,000USD)	TPES/GDP(PPP) (toe/1,000USD)	Elec. Cons./pop. (kWh/capita)	CO_2/TPES (t CO_2/toe)	CO_2/pop. (t CO_2/capita)	CO_2/GDP (kg CO_2/USD)	CO_2/GDP(PPP) (kg CO_2/USD)	

1. Gross production+imports-exports-losses
2. CO_2 emissions from fuel combustion only. Emissions are calculated using the IEA's energy balances and the Revised 2006 IPCC Guidelines, and exclude emissions from non-energy

Source : IEA, Key world energy statistics 2017

03 주요국의 에너지통계

3-1. 주요 에너지·경제통계(2015년)

	인구 (백만 명)	GDP (2010년 십억 달러)	GDP(PPP) (2010년 십억 달러)	에너지생산 (백만toe)	에너지순수입 (백만toe)	1차에너지 (백만toe)	전력소비[1] (TWh)	CO_2배출량[2] (백만CO_2톤)
싱가포르	5.5	287.0	434.9	0.6	77.1	25.6	49.5	44.4
슬로바키아	5.4	101.1	152.3	6.6	9.8	16.4	27.9	29.4
슬로베니아	2.1	49.1	58.2	3.4	3.2	6.6	14.2	12.8
남아프리카	55.0	417.3	668.7	167.4	-20.8	142.0	228.2	427.6
수단	12.3	4.1	21.1	7.7	-7.1	0.6	0.3	1.1
스페인	46.4	1,414.9	1,472.3	33.6	95.4	118.9	254.4	247.0
스리랑카	21.0	76.3	226.9	5.4	6.0	11.4	12.3	19.5
수단	40.2	72.7	162.5	15.8	0.2	15.7	10.6	15.4
수리남	0.5	4.9	8.3	1.0	-0.3	0.7	2.0	2.1
스웨덴	9.8	540.6	432.5	34.0	14.6	45.5	133.2	37.1
스위스	8.3	625.9	446.1	12.2	13.6	24.5	62.1	37.3
시리아	18.5	17.0	37.5	4.7	5.5	10.0	15.0	26.2
대만	23.4	505.8	986.3	12.3	101.5	108.8	249.9	249.4
타지키스탄	8.5	7.9	22.1	1.9	0.8	2.7	13.1	4.3
탄자니아	53.5	43.7	127.7	22.9	3.3	26.0	5.2	11.6
태국	68.0	392.5	1,021.9	75.2	64.9	135.2	178.1	247.5
토고	7.3	4.0	9.8	2.7	0.7	3.4	1.2	1.9
트리니다드토바고	1.4	22.7	39.9	37.6	-17.2	19.4	10.1	22.8
튀니지	11.3	48.1	119.3	6.4	4.9	10.9	16.4	25.6
터키	77.5	1,087.6	1,779.2	31.7	103.6	128.8	229.2	317.2
투르크메니스탄	5.4	37.3	81.7	81.2	-53.1	27.6	16.4	69.1
우크라이나	45.2	121.1	313.8	61.6	30.1	90.1	144.9	189.4
UAE	9.2	360.0	589.6	229.6	-132.8	73.3	118.3	180.2
영국	65.1	2,682.3	2,476.5	119.0	72.3	180.7	330.9	389.8
미국	321.7	16,597.4	16,597.4	2,018.5	257.7	2,188.3	4,128.5	4,997.5
우루과이	3.4	47.8	67.1	2.9	2.4	5.0	10.9	6.4
우즈베키스탄	31.3	58.1	173.0	56.0	-13.4	42.6	51.3	95.6
베네수엘라	31.1	398.0	475.6	182.7	-121.8	59.4	76.2	136.8
베트남	91.7	154.5	509.3	70.4	5.7	73.8	140.7	168.3
예멘	26.8	20.8	68.0	4.1	-0.6	3.5	4.0	11.1
잠비아	16.2	26.1	57.2	9.2	1.1	10.2	11.8	3.3
짐바브웨	15.6	12.7	25.7	10.7	1.1	11.3	8.0	11.8
	Population (million)	GDP (billion 2010 USD)	GDP(PPP) (billion 2010 USD)	Energy prod. (Mtoe)	Net imports (Mtoe)	TPES (Mtoe)	Elec. Cons.[1] (TWh)	CO_2 emissions[2] (Mt of CO_2)

1. 총생산량+수입량-수출량-손실량
2. 연소에 의한 CO_2 배출량만이며, IEA 에너지밸런스와 개정된 2006년 IPCC 지침에 의해 산출됨. 또한 비에너지로부터의 배출량은 제외함
자료 : IEA, Key world energy statistics 2017

3-1. Major Energy & Economic Statistics(2015)

1차에너지/인구 (toe/인)	1차에너지/GDP (toe/천 달러)	1차에너지/GDP(PPP) (toe/천 달러)	전력소비/인구 (kWh/인)	CO_2/1차에너지 (tCO_2/toe)	CO_2/인구 (tCO_2/인)	CO_2/GDP (kg CO_2/달러)	CO_2/GDP(PPP) (kg CO_2/달러)	
4.63	0.09	0.06	8,949	1.73	8.03	0.15	0.10	Singapore
3.02	0.16	0.11	5,151	1.80	5.43	0.29	0.19	Slovak Republic
3.19	0.13	0.11	6,877	1.95	6.22	0.26	0.22	Slovenia
2.58	0.34	0.21	4,148	3.01	7.77	1.02	0.64	South Africa
0.05	0.14	0.03	25	1.91	0.09	0.26	0.05	South Sudan
2.56	0.08	0.08	5,481	2.08	5.32	0.17	0.17	Spain
0.55	0.15	0.05	585	1.70	0.93	0.26	0.09	Sri Lanka
0.39	0.22	0.10	264	0.98	0.38	0.21	0.09	Sudan
1.22	0.13	0.08	3,713	3.12	3.80	0.42	0.25	Suriname
4.64	0.08	0.11	13,594	0.82	3.78	0.07	0.09	Sweden
2.96	0.04	0.05	7,499	1.52	4.51	0.06	0.08	Switzerland
0.54	0.59	0.27	811	2.63	1.42	1.54	0.70	Syrian Arab Republic
4.65	0.22	0.11	10,669	2.29	10.65	0.49	0.25	Chinese Taipei
0.32	0.34	0.12	1,547	1.60	0.51	0.55	0.20	Taijkistan
0.49	0.59	0.20	98	0.45	0.22	0.27	0.09	Tanzania
1.99	0.34	0.13	2,621	1.83	3.64	0.63	0.24	Thailand
0.47	0.85	0.35	166	0.55	0.26	0.46	0.19	Togo
14.26	0.85	0.49	7,411	1.17	16.76	1.00	0.57	Trinidad and Tobago
0.97	0.23	0.09	1,458	2.34	2.28	0.53	0.21	Tunisia
1.66	0.12	0.07	2,959	2.46	4.10	0.29	0.18	Turkey
5.14	0.74	0.34	3,059	2.50	12.86	1.85	0.85	Turkmenistan
2.00	0.74	0.29	3,209	2.10	4.20	1.56	0.60	Ukraine
8.00	0.20	0.12	12,915	2.46	19.68	0.50	0.31	United Arab Emirates
2.78	0.07	0.07	5,082	2.16	5.99	0.15	0.16	United Kingdom
6.80	0.13	0.13	12,833	2.28	15.53	0.30	0.30	United Statds
1.46	0.11	0.07	3,185	1.27	1.86	0.13	0.10	Uruguay
1.36	0.73	0.25	1,638	2.24	3.05	1.64	0.55	Uzbekistan
1.91	0.15	0.12	2,451	2.30	4.40	0.34	0.29	Venezuela
0.80	0.48	0.14	1,534	2.28	1.83	1.09	0.33	Viet Nam
0.13	0.17	0.05	147	3.20	0.42	0.54	0.16	Yemen
0.63	0.39	0.18	726	0.32	0.20	0.13	0.06	Zambia
0.72	0.89	0.44	510	1.05	0.75	0.93	0.46	Zimbabwe
TPES/pop. (toe/capita)	TPES/GDP (toe/1,000USD)	TPES/GDP(PPP) (toe/1,000USD)	Elec. Cons./pop. (kWh/capita)	CO_2/TPES (t CO_2/toe)	CO_2/pop. (t CO_2/capita)	CO_2/GDP (kg CO_2/USD)	CO_2/GDP(PPP) (kg CO_2/USD)	

1. Gross production+imports-exports-losses
2. CO_2 emissions from fuel combustion only. Emissions are calculated using the IEA's energy balances and the Revised 2006 IPCC Guidelines, and exclude emissions from non-energy

Source : IEA, Key world energy statistics 2017

3-2. OECD 국가별 에너지 수입(2016년)

	석탄[1](천 톤)			원유 (천 톤)	석유제품(천 톤)	
	합계	연료탄[2]	원료탄		합계[3]	납사
OECD계	**608,528**	**467,215**	**141,313**	**1,325,335**	**604,768**	**80,209**
호주	16	6	10	16,516	26,118	-
오스트리아	3,411	1,614	1,797	7,335	6,583	-
벨기에	3,512	1,833	1,679	31,874	25,392	4,227
캐나다	6,318	2,867	3,451	44,132	12,329	-
칠레	11,434	10,866	568	8,431	7,013	148
체코	3,418	1,757	1,661	5,325	4,786	6
덴마크	2,886	2,886	-	3,837	9,164	-
에스토니아	9	9	-	-	1,665	-
핀란드	3,909	2,423	1,486	11,067	5,855	292
프랑스	11,822	7,539	4,283	54,238	38,778	1,805
독일	53,595	43,124	10,471	91,242	38,741	7,277
그리스	327	327	-	23,464	4,414	-
헝가리	1,510	285	1,225	6,012	2,894	237
아이슬란드	125	125	-	-	922	-
아일랜드	1,869	1,869	-	3,197	5,654	-
이스라엘	8,795	8,795	-	10,812	1,788	-
이탈리아	16,821	14,391	2,430	60,876	14,443	2,103
일본	190,879	135,805	55,074	156,863	39,002	18,820
한국	**134,461**	**99,658**	**34,803**	**145,270**	**37,550**	**23,017**
라트비아	68	68	-	-	2,517	-
룩셈브르그	80	80	-	-	2,674	-
멕시코	8,280	7,824	456	-	32,469	236
네덜란드	55,487	51,722	3,765	54,152	92,503	16,249
뉴질랜드	442	442	-	5,325	2,546	-
노르웨이	660	660	-	527	5,735	106
폴란드	8,567	6,357	2,210	24,571	7,090	-
포르투갈	4,915	4,915	-	13,463	2,633	83
슬로바키아	3,977	1,291	2,686	5,825	1,682	6
슬로베니아	385	385	-	-	4,456	-
스페인	13,830	12,063	1,767	64,171	18,061	1,034
스웨덴	3,096	1,049	2,047	19,691	9,181	254
스위스	181	181	-	2,929	7,705	17
터키	36,215	30,422	5,793	24,958	24,901	1,767
영국	8,294	5,513	2,781	39,611	34,533	1,400
미국	8,934	8,064	870	389,621	72,991	1,125
	Total	Steaming[2]	Coking	Crude oil (thou. ton)	Total[3]	Naphtha
	Coal[1](thou. ton)				Petroleum product(thou. ton)	

1. 석탄은 잠정치임
2. 갈탄 포함
3. 석유제품 합계는 기타제품도 포함
자료 : IEA, Oil, Gas, Coal & Electricity(2017. 2Q)

3-2. Energy Imports by OECD Countries(2016)

석유제품(천 톤)					천연가스 (백만㎥)	
LPG & 에탄	휘발유	등유	경유	중질중유		
50,289	**92,993**	**54,997**	**190,545**	**85,199**	**996,617**	**OECD Total**
473	4,705	4,460	14,762	-	6,921	Australia
54	802	137	5,117	15	46,846	Austria
2,294	1,641	578	11,181	4,214	42,034	Belgium
246	3,806	2,188	1,483	772	20,679	Canada
887	431	525	4,820	-	4,380	Chile
130	807	275	2,858	-	33,975	Czech Republic
34	491	1,137	3,673	3,393	682	Denmark
24	454	40	807	340	518	Estonia
232	599	651	1,921	1,202	2,490	Finland
2,995	1,093	4,452	21,546	3,478	46,444	France
787	1,511	5,024	19,236	2,525	150,561	Germany
31	561	164	1,135	1,614	4,065	Greece
363	595	13	1,564	8	10,548	Hungary
-	135	324	445	-	-	Iceland
122	810	1,559	2,669	60	2,003	Ireland
240	564	312	204	-	360	Israel
2,327	351	2,392	4,755	828	65,285	Italy
10,653	635	1,148	587	2,262	120,073	Japan
7,250	**161**	**2**	**274**	**6,814**	**44,009**	**Korea**
228	231	122	1,673	156	1,530	Latvia
-	297	489	1,853	-	803	Luxembourg
1,758	19,386	1,530	9,068	491	23,341	Mexico
3,719	10,097	4,688	18,696	31,476	41,480	Netherlands
23	975	202	1,033	-	-	New Zealand
636	258	451	1,975	1,348	-	Norway
2,217	344	19	3,632	45	44,001	Poland
685	136	17	942	238	5,369	Portugal
34	284	-	901	103	52,679	Slovak Republic
82	603	228	3,000	436	2,143	Slovenia
462	165	2,188	4,739	5,955	32,405	Spain
1,709	1,880	915	2,749	1,382	918	Sweden
72	1,725	1,663	3,802	-	10,153	Switzerland
3,403	-	307	13,068	1,707	46,332	Turkey
1,081	4,070	9,512	15,895	1,201	48,457	United Kingdom
4,057	32,390	7,285	8,482	13,136	104,064	United States
LPG & Ethane	Gasoline	Kerosene	Diesel	Heavy Fuel oil	LNG (million ㎥)	
Petroleum product(thou. ton)						

1. Coal is the estimate
2. Including lignite
3. Including other products
Source : IEA, Oil, Gas, Coal & Electricity(2017. 2Q)

3-3. 주요국 1차에너지(2015년) Primary Energy Consumption of Major Countries(2015)

단위 : 백만toe　　Unit : million toe

	석유	천연가스	석탄	원자력	수력	신재생	합계	
전세계	4,341.0	3,146.7	3,784.7	582.7	883.2	366.7	13,105.0	Total World
중국	561.8	175.3	1,913.6	38.6	252.2	64.4	3,005.9	China
미국	856.5	710.5	391.8	189.9	55.8	71.5	2,275.9	US
인도	195.8	41.2	396.6	8.7	30.2	12.7	685.1	India
러시아	144.2	362.5	92.2	44.2	38.5	0.2	681.7	Russian Federation
일본	189.0	102.1	119.9	1.0	19.0	14.8	445.8	Japan
캐나다	99.1	92.2	19.6	22.8	85.4	8.5	327.7	Canada
독일	110.0	66.2	78.5	20.8	4.3	38.1	317.8	Germany
브라질	146.6	37.5	17.7	3.3	81.4	16.0	302.6	Brazil
한국	**113.8**	**39.3**	**85.5**	**37.3**	**0.5**	**3.9**	**280.2**	**South Korea**
이란	84.5	171.7	1.6	0.8	4.1	0.1	262.8	Iran
사우디아라비아	166.6	94.0	0.1	-	-	0.0	260.8	Saudi Arabia
프랑스	76.8	35.1	8.4	99.0	12.3	7.9	239.4	France
영국	71.8	61.3	23.0	15.9	1.4	17.5	190.9	United Kingdom
멕시코	84.4	78.4	12.7	2.6	7.0	3.7	188.8	Mexico
인도네시아	71.8	36.4	51.2	-	3.1	2.4	164.8	Indonesia
이탈리아	57.6	55.3	12.3	-	10.3	14.3	149.9	Italy
호주	47.9	38.6	44.1	-	3.2	4.8	138.5	Australia
스페인	61.2	24.6	13.7	13.0	6.3	15.6	134.4	Spain
터키	38.9	39.2	34.7	-	15.2	3.9	131.9	Turkey
태국	57.3	43.8	17.6	-	0.9	2.3	121.8	Thailand
남아프리카공화국	27.9	4.6	83.4	2.8	0.2	1.4	120.1	South Africa
대만	46.5	16.5	37.8	8.3	1.0	1.0	111.1	Taiwan
아랍에미리트	40.9	66.4	1.3	-	-	0.1	108.6	UAE
말레이시아	35.5	37.6	16.9	-	3.5	0.3	93.8	Malaysia
폴란드	24.9	14.7	48.7	-	0.4	4.7	93.4	Poland
아르헨티나	32.2	43.4	1.4	1.6	9.6	0.6	88.7	Argentina
이집트	39.6	43.0	0.4	-	3.2	0.4	86.7	Egypt
우크라이나	9.2	25.9	27.3	19.8	1.2	0.4	83.9	Ukraine
네덜란드	38.7	28.3	11.0	0.9	0.0	3.1	82.1	Netherlands
싱가포르	69.4	11.0	0.4	-	-	0.2	81.0	Singapore
베네수엘라	30.2	31.1	0.2	-	17.3	0.0	78.8	Venezuela
파키스탄	24.6	39.2	4.7	1.1	7.3	0.3	77.1	Pakistan
베트남	18.8	9.6	22.3	-	12.9	0.0	63.7	Vietnam
카자흐스탄	13.2	11.6	35.8	-	2.1	0.0	62.7	Kazakhstan
벨기에	31.0	13.6	3.2	5.9	0.1	3.2	56.9	Belgium
알제리	19.5	35.5	0.1	-	0.0	0.0	55.1	Algeria
스웨덴	14.1	0.8	2.1	12.8	17.0	6.1	52.9	Sweden
우즈베키스탄	2.7	45.2	1.1	-	2.7	0.0	51.7	Uzbekistan
	Oil	Natural Gas	Coal	Nuclear	Hydro	Renewables	Total	

주 : 1차에너지는 발전에 사용된 신재생에너지를 포함한 상업적 거래 연료로 구성됨
자료(Source) : BP Statistical Review of World Energy 2017
Note : Primary energy comprises commercially traded fuels including modern renewables used to generate electricity

3-4. 주요국 전력 소비 Electricity Consumption of Major Countries

단위 : TWh　　Unit : TWh

	1990	1995	2000	2005	2010	2015	
전세계	**10,911**	**12,213**	**14,193**	**16,781**	**19,820**	**22,386**	**World**
중국	603	958	1,290	2,364	3,980	5,593	China (P.R. of China and Hong Kong, China)
미국	2,924	3,371	3,857	4,050	4,143	4,129	United States
인도	238	346	416	537	790	1,127	India
일본	841	965	1,053	1,091	1,101	999	Japan
러시아	990	757	762	828	916	949	Russian Federation
독일	527	517	546	589	594	573	Germany
캐나다	448	484	523	545	530	545	Canada
한국	**102**	**175**	**278**	**376**	**481**	**534**	**Korea**
브라질	218	265	332	375	465	523	Brazil
프랑스	348	394	440	484	503	468	France
영국	307	324	360	379	358	331	United Kingdom
사우디아라비아	65	92	117	158	219	313	Saudi Arabia
이탈리아	235	261	302	332	326	310	Italy
멕시코	99	130	178	212	230	270	Mexico
스페인	137	156	210	267	266	254	Spain
대만	85	126	176	218	237	250	Chinese Taipei
호주	146	163	195	213	236	238	Australia
이란	53	73	101	145	196	236	Islamic Republic of Iran
터키	50	72	105	137	180	229	Turkey
남아프리카공화국	156	172	206	222	233	228	South Africa
인도네시아	29	52	83	113	154	212	Indonesia
태국	40	74	91	125	155	178	Thailand
이집트	38	46	67	95	130	160	Egypt
폴란드	125	118	125	131	144	154	Poland

자료(Source) : IEA, World Energy Balance 2017

3-5. OECD 국가별 최종 에너지 소비(2015년)

단위 : 백만toe

	산업부문						수송부문	
	농림어업	제조업	건설업	광업	기타	소계	국내항공	육상
OECD계	**68,450**	**652,524**	**27,792**	**26,467**	**84,787**	**860,020**	**73,408**	**1,089,220**
호주	2,378	19,274	607	4,103	18	26,380	3,025	27,023
오스트리아	551	6,615	481	155	240	8,042	32	7,818
벨기에	722	10,057	219	47	555	11,600	2	8,572
캐나다	6,375	33,795	1,845	2,389	4,485	48,889	4,825	49,126
칠레	223	2,743	-	4,673	3,183	10,822	526	7,528
체코	605	5,909	176	84	455	7,229	38	5,859
덴마크	757	1,774	156	75	107	2,869	30	3,756
에스토니아	134	432	48	11	34	659	-	729
핀란드	719	9,532	360	163	223	10,997	61	3,872
프랑스	4,405	22,459	1,388	380	1,163	29,795	801	41,458
독일	-	52,266	-	366	2,642	55,274	734	52,963
그리스	271	2,604	128	87	309	3,399	167	4,981
헝가리	582	3,468	214	24	255	4,543	-	4,032
아이슬란드	281	1,402	27	-	31	1,741	7	282
아일랜드	218	2,118	6	109	171	2,622	8	3,610
이스라엘	230	538	-	202	1,376	2,346	19	5,628
이탈리아	2,852	23,333	350	111	1,564	28,210	697	33,608
일본	1,051	74,539	2,778	612	4,164	83,144	3,343	63,078
한국	**2,752**	**44,949**	**879**	**204**	**3,106**	**51,890**	**1,228**	**31,657**
라트비아	**160**	**734**	**36**	**6**	**12**	**948**	**-**	**965**
룩셈부르크	24	589	24	3	37	677	-	1,956
멕시코	3,996	16,369	306	1,453	17,232	39,356	15	49,525
네덜란드	3,760	12,023	567	127	430	16,907	10	9,880
뉴질랜드	783	3,792	125	93	330	5,123	284	4,340
노르웨이	664	5,368	281	99	53	6,465	413	3,731
폴란드	3,287	12,837	156	392	708	17,380	19	15,872
포르투갈	437	4,138	148	100	62	4,885	125	5,258
슬로바키아	151	3,203	28	8	136	3,526	-	2,005
슬로베니아	75	1,114	26	17	70	1,302	1	1,748
스페인	2,478	15,461	912	405	1,270	20,526	1,783	26,678
스웨덴	366	9,682	104	512	738	11,402	133	7,472
스위스	114	2,875	189	-	517	3,695	61	5,351
터키	3,881	19,732	694	661	5,071	30,039	1,219	22,327
영국	1,023	15,226	608	9	6,756	23,622	819	37,798
미국	22,147	211,581	13,923	8,787	27,284	283,722	52,984	538,733
Agriculture/Forestry/Fishery	Manufacturing	Construction	Mining and quarrying	Other	Sub-total	Domestic Aircraft	Land	
Industry						Transportation		

자료 : IEA, World Energy Balance 2017

3-5. Final Energy Consumption by OECD Countries(2015)

Unit : million toe

수송부문				가정부문	상업·공공부문	기타	합계	
철도	국내수상	기타	소계					
25,688	**20,860**	**23,021**	**1,232,197**	**684,481**	**483,975**	**374,823**	**3,635,496**	**OECD Total**
1,288	563	618	32,517	10,490	7,839	4,070	81,296	Australia
217	3	344	8,414	5,982	2,726	1,832	26,996	Austria
184	187	46	8,992	8,135	4,557	8,545	41,829	Belgium
2,159	1,265	4,009	61,384	34,186	24,784	24,180	193,423	Canada
97	294	-	8,445	3,914	1,710	256	25,147	Chile
216	3	34	6,150	6,694	2,852	2,590	25,515	Czech Republic
115	134	32	4,066	4,253	1,867	256	13,311	Denmark
20	12	1	763	857	466	98	2,843	Estonia
83	136	3	4,154	4,894	2,712	1,591	24,348	Finland
1,025	466	49	43,799	37,625	22,529	14,079	147,827	France
1,286	317	393	55,693	53,122	34,691	21,387	220,167	Germany
59	534	17	5,758	4,400	1,873	952	16,382	Greece
147	6	30	4,215	5,954	2,183	1,974	18,869	Hungary
-	8	2	299	392	397	25	2,854	Iceland
39	70	-	3,728	2,680	1,241	222	10,493	Ireland
-	-	-	5,647	2,006	1,624	2,199	13,822	Israel
462	932	675	36,374	32,489	15,391	6,748	119,212	Italy
1,719	3,210	-	71,350	43,256	51,972	41,688	291,410	Japan
304	**219**	**3**	**33,411**	**19,057**	**21,132**	**48,718**	**174,208**	**Korea**
71	**3**	**3**	**1,042**	**1,106**	**586**	**108**	**3,790**	**Latvia**
16	-	-	1,972	495	399	32	3,575	Luxembourg
769	786	-	51,095	17,772	3,987	7,600	119,810	Mexico
167	379	-	10,436	9,556	6,554	13,099	56,552	Netherlands
48	137	5	4,814	1,473	1,230	1,440	14,080	New Zealand
72	719	-	4,935	3,880	2,703	2,562	20,545	Norway
324	2	369	16,586	18,836	7,810	5,540	66,152	Poland
36	98	1	5,518	2,538	1,960	1,367	16,268	Portugal
44	-	136	2,184	1,987	1,300	1,035	10,032	Slovak Republic
25	-	1	1,774	1,111	457	148	4,792	Slovenia
326	443	268	29,498	14,862	10,031	4,857	79,774	Spain
225	66	-	7,896	7,197	3,997	1,774	32,266	Sweden
280	8	18	5,718	5,546	3,320	655	18,934	Switzerland
206	277	300	24,329	20,135	12,187	6,854	93,544	Turkey
1,008	625	-	40,249	36,429	16,270	8,721	125,291	United Kingdom
12,653	8,956	15,665	628,990	261,170	208,639	137,621	1,520,142	United States
Rail	Domestic Shipping	Other	Sub-total	Residential	Commercial and Public	Other	Total	
Transportation								

Seource : IEA, World Energy Balance 2017

3-6. OECD 국가별 경제활동별 부가가치(USD, 2015년)

단위 : 백만 달러

	산업부문					유통, 보수, 운수, 숙박, 음식업	정보·통신업	금융·보험업	부동산업
	농림어업	제조업	건설업	기타	소계				
호주	**28,916**	**88,209**	**114,766**	**290,703**	**522,594**	**226,070**	**44,508**	**126,474**	**156,910**
오스트리아	5,262	73,094	21,434	86,296	186,086	84,063	12,757	15,460	35,044
벨기에	3,609	71,152	25,946	82,395	183,102	88,216	22,205	26,064	39,718
캐나다	25,424	180,851	128,458	354,673	..	298,651	76,383	125,105	203,151
칠레	9,061	26,745	15,816	72,879	124,500	43,111	8,771	14,268	16,557
체코	3,722	50,930	12,505	60,767	127,924	38,947	11,774	10,353	18,870
덴마크	3,954	40,923	14,035	51,567	110,480	59,387	16,919	15,550	28,353
에스토니아	727	3,458	1,199	4,843	10,227	4,217	1,266	807	1,873
핀란드	6,321	36,940	13,107	45,540	101,908	34,436	13,692	5,476	25,504
프랑스	45,653	286,337	128,841	343,725	804,556	450,347	145,640	120,487	319,919
독일	21,076	780,768	136,069	896,629	1,834,542	532,404	175,868	146,801	365,673
그리스	9,170	18,797	5,423	25,293	58,684	48,175	6,906	9,777	46,026
헝가리	4,605	27,184	5,391	31,491	68,670	22,365	6,878	4,695	10,284
아이슬란드	966	2,167	672	3,124	6,930	2,761	670	449	1,208
아일랜드	2,906	102,639	3,311	107,993	216,850	36,774	27,481	24,429	14,869
이스라엘	3,293	33,149	13,669	37,805	87,915	36,284	25,543	11,674	36,096
이탈리아	38,665	302,053	84,363	349,364	774,445	381,974	80,244	100,935	257,666
일본	56,516	1,240,908	321,420	1,346,768	2,965,612	1,261,861	308,707	319,140	714,218
한국	25,303	362,215	51,633	389,306	828,458	174,406	48,901	76,612	85,440
라트비아	1,164	3,097	1,612	4,001	9,874	7,034	1,131	796	2,438
룩셈부르크	144	3,337	2,896	4,363	10,740	8,802	4,227	13,984	4,474
멕시코	36,654	205,911	85,780	302,279	630,624	295,839	39,573	48,987	135,575
네덜란드	14,863	92,220	40,180	123,208	270,472	161,240	41,867	57,258	49,022
뉴질랜드	15,870	16,801	9,315	21,177	63,162	25,852	5,357	8,617	22,142
노르웨이	7,102	32,518	23,718	129,514	192,852	64,809	17,920	18,660	30,879
폴란드	11,425	96,290	42,965	126,146	276,826	118,248	23,075	24,534	24,150
포르투갈	4,890	28,542	8,258	35,760	77,451	50,154	7,475	10,111	22,553
슬로바키아	3,428	22,757	7,488	26,871	60,543	18,542	3,900	4,166	5,503
슬로베니아	978	8,973	2,198	10,706	22,855	8,815	1,916	1,923	3,416
스페인	34,541	180,347	82,839	220,645	518,372	301,885	67,053	45,317	142,607
스웨덴	7,468	72,558	24,319	92,688	197,033	91,346	40,474	21,073	42,935
스위스	4,052	120,090	30,124	129,714	283,980	136,215	23,504	66,254	39,026
터키	82,908	175,707	79,815	209,877	548,307	240,470	27,167	36,102	90,449
영국	18,896	223,787	136,973	310,304	689,960	453,743	148,607	168,938	304,511
미국	180,727	1,902,903	612,560	2,637,282	5,333,471	2,548,957	1,081,973	1,043,294	1,975,540
	Agriculture, forestry and fishing	Manufacturing	Construction	Others	Subtotal	Distributive trade, repairs; transport; accommod., food serv.	Information and communication	Financial and insurance activities	Real estate activities
	Industry								

주 1) 4차 국제표준산업분류 기준
2) 2010년 불변가격 기준
3) E는 추정값
자료 : OECD

3-6. Gross Value added by kind of Economic Activity by OECD Countries(USD, 2015)

Unit : million toe

교육, 과학, 기술, 행정 지원업	공공, 의무 사회 서비스, 교육, 보건업	기타 서비스업	총부가가치	국내총생산	
127,370	**238,949**	**37,375**	**1,391,921**	**1,485,305**	Australia
34,603	63,607	10,261	368,630	412,966	Austria
61,145	97,435	9,711	456,415	508,108	Belgium
128,276	317,748	35,017	1,692,376	1,802,513	Canada
24,153	38,204	-	242,890	264,790	Chile
14,310	28,521	4,728	204,482	225,493	Czech Republic
25,444	69,620	9,662	294,072	340,826	Denmark
1,854	2,870	473	20,091	23,341	Estonia
17,824	44,964	6,569	213,365	247,054	Finland
320,009	565,671	71,769	2,509,889	2,777,538	France
352,576	577,807	127,053	3,331,357	3,709,598	Germany
10,202	48,862	9,457	219,142	245,080	Greece
11,633	21,835	3,563	123,052	143,996	Hungary
1,092	2,305	383	13,334	15,158	Iceland
28,776	40,909	4,924	291,721	316,109	Ireland
34,333	41,968	8,907	246,159	276,489	Israel
173,137	328,360	74,582	1,868,727	2,063,873	Italy
420,741	923,638	255,273	5,925,364	5,986,140	Japan
82,793	183,281	28,545	1,145,510	1,268,781	Korea
1,939	3,729	731	24,606	28,276	Latvia
6,252	8,415	1,026	54,491	61,317	Luxembourg
73,139	112,527	25,046	1,156,485	1,207,712	Mexico
115,757	167,308	19,409	789,020	870,890	Netherlands
16,443	23,795	4,949	152,937	166,325	New Zealand
28,959	85,498	8,174	414,558	467,662	Norway
39,015	69,291	10,987	489,054	556,201	Poland
15,393	42,623	6,119	203,226	228,052	Portugal
7,234	11,159	3,194	91,460	101,311	Slovak Republic
4,365	7,558	1,170	43,090	48,970	Slovenia
102,742	246,791	52,649	1,298,712	1,418,075	Spain
53,704	92,194	13,600	479,411	542,826	Sweden
58,038	111,634	13,213	611,877	633,375	Switzerland
57,663	110,252	20,402	956,644	1,087,840	Turkey
328,383	459,355	99,154	2,427,197	2,705,252	United Kingdom
1,925,066	3,471,681	494,948	15,963,684.41	16,597,446	United States
Prof., scientific, techn.; admin., support serv. Activities	Public admin.; compulsory s.s.; education; human healths	Other Service activities	Gross Value added	GDP(PPP)	

Note 1) Based on ISIC rev4(International Standard Industrial Classification of All Economic Activities, Fourth Revision)
2) Based on 2010 constant prices
3) E : Estimated value
Source : OECD

3-7. 에너지원별 국제 가격

	석탄(달러/톤)			원유(달러/배럴)		
	북서유럽 시장가격	일본 원료탄 CIF[1]	일본 연료탄 CIF[1]	두바이	브렌트	WTI
1990	43.48	60.54	50.81	20.45	23.73	24.50
1991	42.80	60.45	50.30	16.63	20.00	21.54
1992	38.53	57.82	48.45	17.17	19.32	20.57
1993	33.68	55.26	45.71	14.93	16.97	18.45
1994	37.18	51.77	43.66	14.74	15.82	17.21
1995	44.50	54.47	47.58	16.10	17.02	18.42
1996	41.25	56.68	49.54	18.52	20.67	22.16
1997	38.92	55.51	45.53	18.23	19.09	20.61
1998	32.00	50.76	40.51	12.21	12.72	14.39
1999	28.79	42.83	35.74	17.25	17.97	19.31
2000	35.99	39.69	34.58	26.20	28.50	30.37
2001	39.03	41.33	37.96	22.81	24.44	25.93
2002	31.65	42.01	36.90	23.74	25.02	26.16
2003	43.60	41.57	34.74	26.78	28.83	31.07
2004	72.08	60.96	51.34	33.64	38.27	41.49
2005	60.54	89.33	62.91	49.35	54.52	56.59
2006	64.11	93.46	63.04	61.50	65.14	66.02
2007	88.79	88.24	69.86	68.19	72.39	72.20
2008	147.67	179.03	122.81	94.34	97.26	100.06
2009	70.66	167.82	110.11	61.39	61.67	61.92
2010	92.50	158.95	105.19	78.06	79.50	79.45
2011	121.52	229.12	136.21	106.18	111.26	95.04
2012	92.50	191.46	133.61	109.08	111.67	94.13
2013	81.69	140.45	111.16	105.47	108.66	97.99
2014	75.38	114.41	97.65	97.07	98.95	93.28
2015	56.79	93.85	79.47	51.20	52.39	48.71
2016	59.87	89.40	72.97	41.19	43.73	43.34
	Northwest Europe market price	Japan coking coal import cif price	Japan steam coal import cif price	Dubai	Brent	West Texas Intermdiate
	Coal(USD/ton)			Oil(USD/bbl)		

1. 도착항 인도가격=원가격(제품의 선적에서 목적지까지의 원가격)+보험료+운임료(평균가격)
2. RON은 옥탄가를 나타냄
자료 : BP Statistical Review of World Energy 2017, 한국석유공사

3-7. International Price of Energy by Source

천연가스(달러/백만Btu)		LNG(달러/백만Btu)		석유제품(달러/배럴)					
미국 Henry Hub	캐나다 Alberta	일본 CIF[1]	독일 Union CIF	휘발유 (95RON)[2]	등유	경유 (0.5%)	경유 (0.001%)	납사	
1.64	1.05	3.64	2.78	-	-	-	-	-	1990
1.49	0.89	3.99	3.23	-	-	-	-	-	1991
1.77	0.98	3.62	2.70	-	-	-	-	-	1992
2.12	1.69	3.52	2.51	-	-	-	-	-	1993
1.92	1.45	3.18	2.35	-	-	-	-	-	1994
1.69	0.89	3.46	2.43	21.62	23.64	21.54	-	16.36	1995
2.76	1.12	3.66	2.50	23.63	28.45	27.17	-	20.31	1996
2.53	1.36	3.91	2.66	24.49	24.94	24.34	-	21.93	1997
2.08	1.42	3.05	2.33	17.24	16.44	15.58	-	14.85	1998
2.27	2.00	3.14	1.86	21.20	21.60	19.34	-	19.61	1999
4.23	3.75	4.72	2.91	32.77	34.51	32.76	-	28.48	2000
4.07	3.61	4.64	3.67	27.48	28.36	27.37	-	23.82	2001
3.33	2.57	4.27	3.21	28.13	28.15	27.61	-	24.99	2002
5.63	4.83	4.77	4.06	34.72	32.98	32.38	-	29.96	2003
5.85	5.03	5.18	4.30	47.31	47.55	45.76	-	40.74	2004
8.79	7.25	6.05	5.83	62.47	68.06	64.46	-	51.23	2005
6.76	5.83	7.14	7.87	73.26	80.68	76.84	-	62.13	2006
6.95	6.17	7.73	7.99	82.84	86.89	85.05	-	75.24	2007
8.85	7.99	12.55	11.60	103.32	122.25	120.40	-	89.67	2008
3.89	3.38	9.06	8.53	70.43	70.25	69.32	-	61.05	2009
4.39	3.69	10.91	8.03	88.49	90.27	89.62	-	79.33	2010
4.01	3.47	14.73	10.49	119.79	125.71	124.62	-	102.49	2011
2.76	2.27	16.75	10.93	123.42	126.80	126.39	126.50	103.57	2012
3.71	2.93	16.17	10.73	119.00	122.85	-	124.88	100.98	2013
4.35	3.87	16.33	9.11	110.82	112.34	-	113.82	94.16	2014
2.60	2.01	10.31	6.72	69.42	64.62		66.52	52.51	2015
2.46	1.55	6.94	4.93	56.29	53.01	-	53.22	42.63	2016
US Henry Hub	Canada Alberta	Japan CIF	Average German import price Union cif	Gasoline (95RON)	Kerosene	Diesel (0.5%)	Diesel (0.001%)	Naptha	
Natural Gas(USD/mil.Btu)		LNG(USD/mil.Btu)		Petroleum Products(USD/bbl)					

1. CIF=Cost+Insurance+Freight(average prices)
2. RON : Research Octane Number
Source : BP Statistical Review of World Energy 2017, Korea National Oil Corporation

3-8. OECD 에너지 가격(2016년)

	석탄(달러/톤)			휘발유(달러/ℓ)		수송용 경유(달러/ℓ)		중유(달러/톤)	
	연료탄		원료탄	무연보통	무연고급 (95RON)	상업용	비상업용	고유황	저유황
	산업용	발전용	산업용					산업용	산업용
호주	...	...	...	0.869	0.982	...	0.875	...	...
오스트리아	166.8	99.3	...	1.228	1.232	0.795	1.142	...	339.8
벨기에	...	...	...	x	1.483	1.088	1.317	x	275.0
캐나다	...	...	...	0.776	0.861	0.568	0.737	256.5	...
칠레	...	65.6	95.8	1.001	1.045	...	0.639	...	...
체코	c	c	c	...	1.170	0.926	1.120	c	245.1
덴마크	...	...	x	1.548	1.552	1.029	1.287	...	387.2
에스토니아	...	...	...	...	1.173	0.953	1.144	...	...
핀란드	269.9	71.9	323.4	x	1.519	1.062	1.316	...	...
프랑스	...	...	...	x	1.445	1.020	1.224	...	380.2
독일	...	79.7	c	x	1.445	1.025	1.219	...	256.7
그리스	...	...	...	x	1.534	0.954	1.178	...	362.8
헝가리	x	c	c	x	1.184	0.930	1.181	...	424.5
아일랜드	...	c	x	x	1.419	1.038	1.277	625.7	...
이스라엘	x	...	x	x	1.565	c	1.507	c	c
이탈리아	...	...	...	x	1.601	1.166	1.422	...	349.3
일본	91.9	...	109.7	1.109	...	0.792	0.937	...	478.0
한국	...	...	...	1.209	1.514	...	1.019	343.6	429.1
라트비아	...	...	...	...	1.185	0.870	1.053	...	
룩셈부르크	x	x	x	...	1.212	0.876	1.025	x	...
멕시코	x	51.0	x	0.718	0.762	0.648	0.752	150.7	...
네덜란드	...	...	...	x	1.638	1.046	1.265	x	557.6
뉴질랜드	c	c	c	1.227	1.383	0.454	0.705	299.4	...
노르웨이	...	...	x	x	1.613	1.111	1.388	x	...
폴란드	60.0	51.3	103.4	x	1.105	0.852	1.048	230.8	346.1
포르투갈	219.7	55.2	367.1	x	1.527	1.135	1.252	x	531.9
슬로바키아	...	...	...	...	1.358	0.972	1.166	x	267.5
슬로베니아	c	c	x	...	1.321	0.976	1.191	x	481.5
스페인	...	...	c	x	1.276	0.929	1.124	...	309.1
스웨덴	...	...	...	x	1.520	1.243	1.554	x	831.8
스위스	90.9	x	x	x	1.434	1.167	1.474	x	...
터키	78.0	28.5	161.6	x	1.510	1.279	1.279	518.5	...
영국	100.5	73.3	...	x	1.469	1.239	1.486	x	c
미국	71.6	48.4	179.2	0.568	0.633	0.611	0.611	263.8	...
OECD 유럽	...	...	...	...	1.446	1.064	1.272	...	...
OECD 계	...	...	...	0.667	0.811	0.854	0.980	...	...
	Industry	Generation	Industry	Regular unleaded	Premiun unleaded(95RON)	Commercial	Non-commercial	Industry	Industry
	Steam		Coking					High sulphur	Low sulphur
	Coal(USD/ton)			Gasoline(USD/l)		Automotive diesel(USD/l)		Fuel oil(USD/ton)	

주 : –은 해당사항 없음, …은 미상, c는 기밀사항, x는 산출불가
자료 : IEA, Energy Prices and Taxes(3Q, 2017)

3-8. Energy Price of OECD(2016)

중유(달러/톤)		수송용 LPG (달러/ℓ)	천연가스(달러/toe)			전력(달러/MWh)		
중질	경질(달러/천ℓ)		산업용	발전용	가정용	산업용	가정용	
발전용	가정용	비상업용						
...	...	0.455	...	c	...	...	202.0	Australia
307.1	678.6	...	497.8	...	967.1	105.9	223.5	Austria
x	535.3	0.455	351.4	c	784.2	112.3	289.1	Belgium
...	723.8	0.434	178.3	...	347.2	78.8	106.3	Canada
...	826.6	x	c	...	1,159.2	124.6	169.3	Chile
c	618.5	0.508	391.3	...	829.5	89.4	156.0	Czech Republic
...	1,199.3	...	389.1	c	1,042.1	98.2	329.9	Denmark
...	694.4	0.561	336.1	...	464.5	94.5	130.5	Estonia
...	845.3	x	512.2	287.2	...	73.1	169.9	Finland
...	704.5	0.787	471.4	...	998.1	107.6	182.7	France
c	545.7	0.557	379.4	...	983.6	141.2	329.7	Germany
...	877.7	...	362.9	c	1,296.5	99.3	190.7	Greece
x	x	0.696	365.9	301.7	505.0	88.8	125.7	Hungary
...	637.5	...	442.8	c	1,034.7	118.6	243.6	Ireland
x	1,497.8	...	c	...	x	...	...	Israel
c	1,214.2	0.625	474.0	c	1,122.5	185.3	276.8	Italy
...	589.8	0.721	491.2	...	1,399.6	157.9	221.5	Japan
...	675.9	0.632	529.0	434.6	710.9	95.7	119.0	Korea
...	644.6	0.563	...	...	...	138.1	184.6	Latvia
...	512.4	0.465	400.7	c	621.0	69.0	181.5	Luxembourg
137.0	x	...	...	166.1	320.1	70.5	63.7	Mexico
...	1,006.0	0.633	353.3	...	1,078.8	85.4	176.1	Netherlands
c	...	...	198.6	c	1,245.4	...	198.2	New Zealand
x	1,114.9	...	x	...	x	42.4	104.5	Norway
271.6	663.2	0.458	304.9	225.2	650.5	82.8	155.3	Poland
x	1,069.6	0.604	441.4	291.6	1,246.0	125.3	261.4	Portugal
x	...	0.420	436.9	385.0	674.4	125.0	169.8	Slovak Republic
...	806.7	0.627	415.1	c	830.2	83.9	177.1	Slovenia
...	626.9	0.660	342.4	...	1,148.8	116.0	269.1	Spain
...	...	...	497.7	...	1,623.9	60.2	174.2	Sweden
...	710.3	...	799.3	...	1,262.0	133.5	203.3	Switzerland
518.5	1,004.6	1.060	370.1	372.2	480.4	105.6	132.4	Turkey
350.8	574.9	...	321.9	222.5	762.1	125.2	198.8	United Kingdom
352.0	582.8	...	150.0	126.8	429.2	67.5	125.5	United States
...	651.7	...	393.5	...	900.0	116.5	219.3	OECD Europe
...	632.6	...	267.3	...	652.5	100.3	161.8	OECD Total
Generation	Households(USD/thou.l)	Non-commercial	Industry	Generation	House holds	Industry	House holds	
Heavy	Light							
Fuel oil(USD/ton)		Automotive LPG(USD/l)	Natural gas(USD/toe)			Electricity(USD/MWh)		

Note : - nil, ... not available, c confidential, x not applicable
Source : IEA, Energy Prices and Taxes(3Q, 2017)

3-9. OECD 에너지 가격대비 세금 비중(2016년)

단위 : %

	석탄	휘발유			수송용 경유			
	연료탄	무연보통	무연고급		상업용	비상업용	고유황	저유황
	산업용		(95RON)	(98RON)			산업용	산업용
호주	...	42.9	39.0	x	...	42.7	...	...
오스트리아	33.2	61.2	61.1	55.9	57.1	56.4	...	22.1
벨기에	...	x	63.4	61.3	48.4	57.4	x	6.6
캐나다	...	37.0	34.3	33.4	11.4	31.7	8.5	...
칠레	...	49.8	49.8	49.8	...	28.7	...	...
체코	c	...	62.3	58.3	48.4	57.3	c	7.9
덴마크	...	64.0	64.1	x	45.2	56.2	...	28.7
에스토니아	...	...	56.6	...	45.6	54.7	...	...
핀란드	73.4	x	69.1	66.5	52.9	62.0	...	...
프랑스	...	x	66.4	64.2	55.5	62.9	...	20.1
독일	...	x	66.2	64.2	50.9	58.7	...	10.8
그리스	...	x	67.4	x	38.3	50.0	...	11.6
헝가리	...	x	58.1	...	43.7	55.6	...	5.0
아일랜드	...	x	66.2	...	53.3	62.0	18.0	...
이스라엘	x	x	64.7	x	c	64.5	c	c
이탈리아	...	x	68.5	...	58.7	66.2	...	10.0
일본	20.5	54.3	...	x	45.1	39.2	...	7.4
한국	...	62.3	53.6	...	...	53.8	14.3	13.2
라트비아	...	...	58.8	...	44.4	54.1	...	...
룩셈부르크	x	...	56.8	54.5	42.4	50.8	x	...
멕시코	x	13.8	13.8	x	-	13.8	-	...
네덜란드	...	x	70.0	...	52.2	60.5	x	7.2
뉴질랜드	c	51.2	46.9	x	0.7	13.5	-	...
노르웨이	...	x	64.0	x	48.9	59.1	x	...
폴란드	...	x	57.0	54.2	43.4	54.0	7.0	4.7
포르투갈	9.8	x	67.2	64.4	54.4	58.7	x	7.6
슬로바키아	...	...	58.6	x	41.9	51.6	x	-
슬로베니아	c	...	65.2	62.9	55.2	63.5	x	25.6
스페인	...	x	57.5	...	43.9	53.6	...	5.9
스웨덴	...	x	66.2	65.5	50.7	60.5	x	61.8
스위스	-	x	60.8	58.4	68.0	61.3	x	...
터키	15.3	x	64.0	...	57.8	57.8	29.5	...
영국	7.2	x	69.9	65.8	63.1	69.3	x	c
미국	...	25.2	22.6	20.7	24.6	24.6	4.9	...
	Industry Steam Coal	Regular unleaded	Premiun unleaded(95RON)	Premiun unleaded(98RON)	Commercial	Non-Commercial	Industry High sulphur	Industry Low sulphur
		Gasoline			Automitive diesel			

주 1) –은 해당사항 없음, …은 미상, c는 기밀사항, x는 산출불가
자료 : IEA, Energy Prices and Taxes(3Q, 2017)

3-9. OECD Taxation of Energy Prices(2016년)

Unit : %

중유			수송용 LPG	천연가스		전력		
중질	경질							
발전용	산업용	가정용	비상업용	산업용	가정용	산업용	가정용	
...	...	...	30.1	...	...	...	9.1	Australia
2.8	25.5	34.5	...	23.6	26.8	31.6	38.7	Austria
x	4.7	21.2	17.3	5.2	23.8	17.9	36.5	Belgium
...	8.5	10.2	17.8	4.8	4.8	11.4	10.1	Canada
...	...	16.5	x	c	16.0	-	16.0	Chile
c	6.2	33.5	34.8	4.1	17.4	1.3	18.1	Czech Republic
...	10.8	50.4	...	27.0	59.2	34.6	64.0	Denmark
...	21.2	34.3	30.5	11.9	25.3	16.4	23.1	Estonia
...	34.8	47.4	x	43.9	...	10.7	34.1	Finland
...	19.6	31.8	27.6	11.0	22.5	23.6	36.3	France
c	16.0	28.4	34.3	15.2	24.0	47.1	53.4	Germany
...	38.5	50.1	...	21.3	17.5	19.5	31.8	Greece
x	...	x	38.9	3.8	21.3	9.5	21.3	Hungary
...	24.1	33.2	...	12.0	17.0	-	11.9	Ireland
x	c	64.8	...	c	x	-	...	Israel
c	44.9	54.9	44.2	10.8	35.1	42.1	36.4	Italy
...	12.4	11.7	19.9	7.4	7.4	9.6	9.0	Japan
...	x	18.3	39.2	...	9.1	3.6	12.0	Korea
...	9.5	25.2	40.8	...	...	21.5	33.4	Latvia
...	5.0	14.4	20.3	1.9	9.9	13.8	22.4	Luxembourg
...	-	x	...	...	13.8	-	13.8	Mexico
...	65.7	71.6	49.9	15.8	52.3	20.3	16.7	Netherlands
c	-	...	...	7.9	14.3	...	13.0	New Zealand
x	21.3	37.1	...	x	x	20.0	38.2	Norway
6.0	10.9	27.6	44.5	1.1	18.7	6.1	22.0	Poland
x	...	54.7	44.0	2.1	23.6	16.2	47.3	Portugal
x	-	...	41.0	4.3	16.7	1.2	16.7	Slovak Republic
...	40.8	51.5	37.0	11.3	29.2	16.4	31.0	Slovenia
...	18.9	33.0	22.7	2.3	20.3	4.8	21.2	Spain
...	46.2	...	...	24.9	45.5	1.0	38.6	Sweden
...	37.4	39.8	...	25.5	23.5	9.9	13.9	Switzerland
29.5	...	47.7	36.5	17.7	15.3	18.5	21.5	Turkey
41.8	27.4	30.9	...	3.4	4.8	3.7	4.8	United Kingdom
3.7	4.9	4.7	...	...	...	...	...	United States
Generation	Industry	Households	Non commercial	Industry	Households	Industry	Households	
Heavy	Light							
Fuel oil			Automotive LPG	Natural gas		Electricity		

Note : - nil, ... not available, c confidential, x not applicable
Source : IEA, Energy Prices and Taxes(3Q, 2017)

3-10. 주요국 CO_2 배출량 CO_2 Emissions of Major Countires

단위 : 백만CO_2톤 Unit: Mt CO_2

	1990	1995	2000	2005	2010	2015	
중국	2,109	2,924	3,127	5,399	7,749	9,085	China(P.R. of China and Hong Kong, China)
미국	4,803	5,073	5,643	5,702	5,347	4,998	United States
인도	530	708	890	1,080	1,594	2,066	India
러시아	2,163	1,548	1,474	1,482	1,529	1,469	Russian Federation
일본	1,042	1,110	1,141	1,178	1,112	1,142	Japan
독일	940	857	812	787	759	730	Germany
한국	232	357	432	458	551	586	Korea
이란	171	245	312	418	498	552	Islamic Republic of Iran
캐나다	420	449	516	541	528	549	Canada
사우디아라비아	151	192	235	298	419	532	Saudi Arabia
브라질	184	228	292	311	371	451	Brazil
멕시코	257	291	360	412	440	442	Mexico
인도네시아	134	204	255	319	376	442	Indonesia
남아프리카공화국	244	260	281	372	407	428	South Africa
영국	549	514	520	532	477	390	United Kingdom
호주	260	285	335	372	389	381	Australia
이탈리아	389	401	420	456	392	331	Italy
터키	128	152	202	217	266	317	Turkey
프랑스	346	344	365	372	341	291	France
폴란드	345	333	290	297	308	282	Poland
대만	111	154	214	254	256	249	Chinese Taipei
태국	81	140	152	200	223	248	Thailand
스페인	203	228	279	334	262	247	Spain
카자흐스탄	237	171	112	157	221	225	Kazakhstan
OECD	11,020	11,505	12,458	12,847	12,336	11,720	OECD
비OECD	8,858	9,141	9,832	13,203	16,977	19,387	Non-OECD
국제 벙커링	631	719	854	995	1,121	1,187	Intl. Bunkering
전세계	20,509	21,365	23,144	27,045	30,434	32,294	World

자료(Source) : IEA, CO_2 emissions from fuel combution 2017

3-11. 주요국 석유 정제 능력 Refinery Capacities of Major Countries

단위 : 천 배럴/일 Unit : 1,000bbl/day

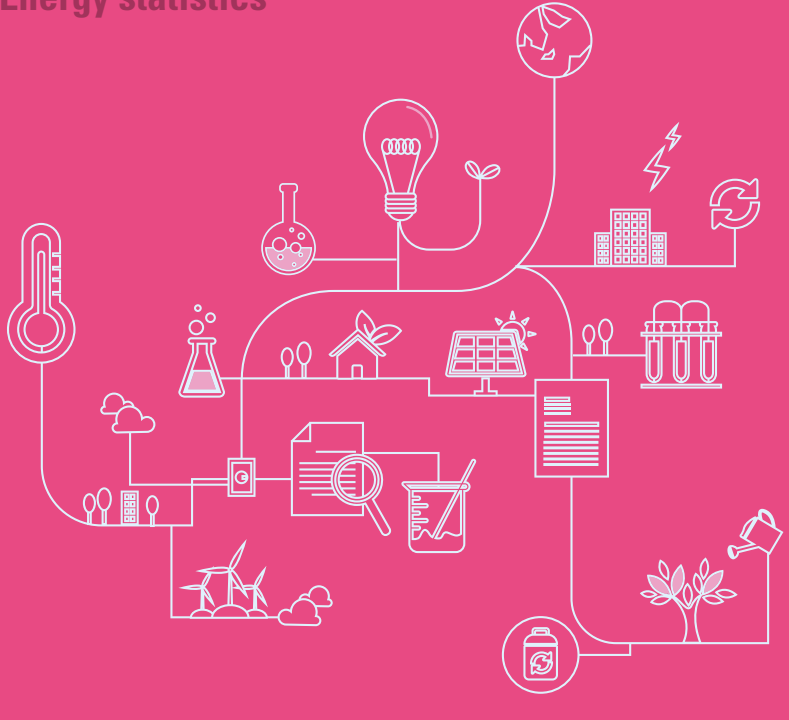
	1990	1995	2000	2005	2010	2015	2016	
미국	15,680	15,333	16,595	17,339	17,736	18,315	18,621	United States
중국	2,892	4,014	5,407	7,745	11,604	14,306	14,177	China
러시아	7,193	6,117	5,526	5,408	5,573	6,408	6,418	Russian Federation
인도	1,122	1,133	2,219	2,558	3,703	4,307	4,620	India
일본	4,324	5,006	5,010	4,531	4,291	3,721	3,600	Japan
한국	798	1,727	2,316	2,598	2,774	3,110	3,234	South Korea
사우디아라비아	1,860	1,692	1,798	2,107	2,109	2,899	2,899	Saudi Arabia
브라질	1,440	1,481	1,849	1,942	1,988	2,278	2,289	Brazil
독일	2,024	2,104	2,262	2,322	2,091	2,049	2,024	Germany
이란	880	1,315	1,647	1,692	1,860	1,985	1,985	Iran
캐나다	1,920	1,792	1,861	1,896	1,913	1,966	1,967	Canada
이탈리아	2,528	2,359	2,485	2,515	2,396	1,915	1,915	Italy
스페인	1,267	1,308	1,330	1,377	1,421	1,562	1,562	Spain
멕시코	1,627	1,444	1,481	1,463	1,463	1,522	1,522	Mexico
싱가포르	933	1,175	1,340	1,420	1,427	1,514	1,514	Singapore
베네수엘라	1,186	1,212	1,269	1,291	1,303	1,303	1,303	Venezuela
네덜란드	1,207	1,257	1,277	1,274	1,274	1,293	1,293	Netherlands
태국	222	477	899	1,078	1,230	1,252	1,235	Thailand
영국	1,850	1,844	1,778	1,819	1,757	1,337	1,227	United Kingdom
프랑스	1,699	1,728	1,984	1,978	1,702	1,375	1,224	France
인도네시아	866	991	1,127	1,057	1,141	1,155	1,155	Indonesia
아랍에미리트	185	220	630	620	700	1,143	1,143	United Arab Emirates
대만	570	732	732	1,159	1,197	988	988	Taiwan
쿠웨이트	280	824	680	936	936	936	936	Kuwait
이라크	600	648	718	728	914	903	919	Iraq
전세계	73,943	75,730	82,016	86,569	92,586	96,992	97,430	World

자료(Source) : BP, Statistical Review of WorldT Energy 2017

2017

자주 찾는 에너지 통계

Energy statistics



04 주요 경제 · 사회 통계

4-1. 주요 통계 지표
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4-13. 화물 수송 실적
4-14. 소비자 물가지수
4-15. 생산자 물가지수

4-1. 주요 통계 지표

	추계인구 (천 명)	추계가구 (천 가구)	국내총생산		
			당해년가격	2010년 연쇄가격	당해년가격
			(십억 원)		(십억 달러)
1990	42,869	11,244	197,712	419,518	279
1991	43,296	11,549	238,877	462,955	326
1992	43,748	11,896	273,267	491,545	350
1993	44,195	12,233	310,074	525,199	386
1994	44,642	12,586	366,054	573,550	456
1995	45,093	13,018	428,927	628,442	556
1996	45,525	13,241	481,141	676,169	598
1997	45,954	13,550	530,347	716,213	558
1998	46,287	13,839	524,477	677,028	375
1999	46,617	14,146	576,873	753,590	485
2000	47,008	14,507	635,185	820,844	562
2001	47,370	14,844	688,165	857,990	533
2002	47,645	15,170	761,939	921,759	609
2003	47,892	15,465	810,915	948,796	680
2004	48,083	15,720	876,033	995,286	765
2005	48,185	15,971	919,797	1,034,338	898
2006	48,438	16,289	966,055	1,087,876	1,011
2007	48,684	16,543	1,043,258	1,147,311	1,123
2008	49,055	16,791	1,104,492	1,179,771	1,002
2009	49,308	17,052	1,151,708	1,188,118	902
2010	49,554	17,359	1,265,308	1,265,308	1,094
2011	49,937	17,687	1,332,681	1,311,893	1,203
2012	50,200	17,951	1,377,457	1,341,967	1,222
2013	50,429	18,206	1,429,445	1,380,833	1,305
2014	50,747	18,458	1,486,079	1,426,972	1,411
2015	51,015	18,705	1,558,592	1,466,788	1,378
2016	51,246	19,368	1,637,421	1,508,265	1,411
	Population (thou.persons)	Household (thou.household)	At current prices	At chained 2010 prices	At current prices (bil.USD)
			GDP(bil.Won)		

자료 : 통계청

4-1. Indicators of Major Statistics

국민총소득		1인당 명목 GNI		대미달러		
당해년가격	2010년 연쇄가격			연평균	기말	
(십억 원)		(만 원)	(달러)	(원)		
197,415	486,033	461	6,505	712	717	1990
238,470	537,066	551	7,508	734	760	1991
272,709	569,878	623	7,983	781	787	1992
309,371	610,663	700	8,720	803	807	1993
364,789	667,445	817	10,168	803	789	1994
427,012	725,802	947	12,282	771	776	1995
479,123	771,785	1,052	13,077	805	845	1996
527,077	802,026	1,147	12,059	954	1,695	1997
517,262	736,589	1,118	7,989	1,395	1,204	1998
570,155	813,530	1,223	10,282	1,189	1,138	1999
630,614	864,168	1,342	11,865	1,131	1,265	2000
683,447	896,227	1,443	11,177	1,291	1,314	2001
758,863	971,687	1,593	12,729	1,251	1,186	2002
807,778	995,304	1,687	14,151	1,192	1,193	2003
874,239	1,034,900	1,818	15,884	1,144	1,035	2004
912,609	1,054,203	1,894	18,490	1,024	1,012	2005
962,447	1,094,469	1,987	20,795	955	930	2006
1,040,092	1,154,246	2,136	22,992	929	936	2007
1,104,414	1,155,419	2,251	20,419	1,103	1,260	2008
1,148,982	1,184,104	2,330	18,256	1,276	1,165	2009
1,266,580	1,266,580	2,556	22,105	1,156	1,135	2010
1,340,530	1,340,530	2,685	24,226	1,108	1,152	2011
1,391,596	1,391,596	2,772	24,600	1,127	1,071	2012
1,439,644	1,439,644	2,855	26,070	1,095	1,055	2013
1,490,764	1,490,764	2,938	27,892	1,053	1,099	2014
1,565,816	1,568,383	3,074	27,171	1,132	1,173	2015
1,639,067	1,639,067	3,198	27,561	1,160	1,208	2016
At current prices	At chained 2010 prices	Per capita GNI		Average	End of	
				Exchage rates to USD (Won)		
GNI(bil.Won)		(10,000Won)	(USD)			

Source : Statistics Korea

4-2. 수출입액 및 경상수지

단위 : 백만 달러

	총수출액[1]	총수입액[1]	경상수지[2]	에너지수입액	석탄[3]		
						무연탄	유연탄
1990	65,016	69,844	-2,404	10,908	1,288	52	1,217
1991	71,870	81,525	-7,605	12,754	1,600	66	1,514
1992	76,632	81,775	-2,432	14,654	1,616	42	1,535
1993	82,236	83,800	2,026	15,088	1,733	40	1,643
1994	96,013	102,348	-4,464	15,471	1,777	33	1,695
1995	125,058	135,119	-9,752	19,053	2,081	35	1,992
1996	129,715	150,339	-23,831	24,243	2,337	46	2,251
1997	136,164	144,616	-10,285	27,308	2,399	38	2,301
1998	132,313	93,282	40,057	18,276	2,229	36	2,147
1999	143,685	119,752	21,608	22,745	1,966	46	1,866
2000	172,268	160,481	10,444	37,888	2,186	72	2,033
2001	150,439	141,098	2,700	33,894	2,347	118	2,157
2002	162,471	152,126	4,693	32,290	2,475	148	2,254
2003	193,817	178,827	11,877	38,306	2,552	177	2,266
2004	253,845	224,463	29,743	49,600	4,438	233	3,891
2005	284,419	261,238	12,655	66,697	5,443	429	4,803
2006	325,465	309,383	3,569	85,566	5,318	407	4,700
2007	371,489	356,846	11,795	94,978	6,445	447	5,675
2008	422,007	435,275	3,190	141,475	12,810	991	11,156
2009	363,534	323,085	33,593	91,160	9,995	672	8,997
2010	466,384	425,212	28,850	121,654	13,131	1,016	11,425
2011	555,214	524,413	18,656	172,490	18,477	1,774	16,052
2012	547,870	519,584	50,835	184,800	16,069	1,361	14,221
2013	559,632	515,586	81,148	178,698	13,074	1,143	11,624
2014	572,665	525,515	84,373	174,137	12,114	921	10,723
2015	526,757	436,499	105,940	102,715	9,961	813	8,675
2016	495,426	406,193	99,243	80,942	9,310	759	8,168
	Export[1]	Import[1]	Current Account Balance[2]	Energy Import	Coal[3]	Anthracite	Bituminous

1. 통관기준
2. 2016년은 잠정치임
3. 갈탄, 토탄, 기타석탄 포함

자료 : 통계청, 한국무역협회, 한국석유공사

4-2. Exports, Imports and Current Account

Unit : mil.USD

석유	원유	제품	천연가스	우라늄	석유제품 수출액	
9,160	6,386	2,774	460	1	650	1990
10,585	8,134	2,451	485	84	1,451	1991
12,378	9,548	2,829	562	98	1,662	1992
12,439	9,151	3,288	781	135	1,795	1993
12,542	8,878	3,664	961	191	1,668	1994
15,482	10,809	4,673	1,275	215	2,393	1995
19,826	14,432	5,395	1,878	201	3,809	1996
22,378	17,772	4,606	2,296	236	5,259	1997
14,284	11,241	3,043	1,549	214	4,523	1998
18,585	14,783	3,802	1,973	222	5,709	1999
31,594	25,216	6,379	3,882	225	9,257	2000
27,323	21,368	5,956	3,990	233	7,910	2001
25,414	19,200	6,214	4,120	280	6,446	2002
30,407	23,082	7,325	5,082	265	6,721	2003
38,274	29,917	8,357	6,552	336	10,272	2004
52,321	42,606	9,716	8,646	286	15,444	2005
67,984	55,865	12,119	11,925	339	20,505	2006
75,390	60,324	15,066	12,653	489	24,060	2007
108,130	85,855	22,275	19,806	729	37,684	2008
66,568	50,757	15,811	13,875	722	23,069	2009
90,903	68,662	22,241	17,006	615	31,699	2010
129,346	100,806	28,541	23,859	807	51,794	2011
140,671	108,298	32,373	27,364	695	56,385	2012
133,961	99,333	34,628	30,645	1,018	53,011	2013
129,890	94,907	34,983	31,403	731	51,025	2014
73,106	55,120	17,986	18,779	869	32,192	2015
58,873	44,295	14,579	12,170	589	26,668	2016
Petroleum	Crude Oil	Products	LNG	Uranium	Exports of Petroleum Products	

1. Based on Customs Clearance
2. Figures for 2016 are preliminary
3. Includes Brown coal, Peat in Others
Source : Statistics Korea, Korea International Trade Association, Korea National Oil Corporation

4-3. 경제활동별 국내 총생산(2010년 기준 연쇄가격)

단위 : 십억 원

	농업, 임업 및 어업	광업	제조업	음식료품, 담배	섬유, 가죽제품	목재, 종이, 인쇄, 복제	석탄 및 석유제품
1990	19,876	2,849	77,972	9,542	16,174	5,592	851
1991	20,506	2,915	87,547	10,436	15,698	6,056	2,828
1992	22,345	2,596	92,794	10,632	15,112	6,383	3,197
1993	21,403	2,599	99,192	11,044	13,720	6,432	3,920
1994	21,428	2,885	110,645	11,758	13,868	7,317	2,692
1995	22,919	2,862	124,947	12,004	13,090	7,659	2,810
1996	23,912	2,879	135,435	12,662	13,169	7,648	3,406
1997	24,996	2,866	143,075	12,819	13,461	8,016	6,209
1998	23,153	2,365	132,358	12,243	11,621	7,071	5,697
1999	24,399	2,551	160,352	12,605	14,194	8,258	4,966
2000	24,671	2,546	186,647	13,363	15,147	8,347	4,819
2001	25,060	2,565	192,723	13,838	14,887	8,018	4,869
2002	24,522	2,593	210,605	14,480	16,058	8,762	5,000
2003	23,220	2,680	221,053	14,346	14,332	8,667	5,195
2004	25,313	2,597	242,529	14,646	13,706	8,376	6,590
2005	25,666	2,573	256,696	14,390	14,283	8,431	6,714
2006	26,067	2,545	276,567	14,450	14,969	8,629	7,038
2007	27,128	2,457	299,922	14,671	15,107	8,662	7,063
2008	28,647	2,462	311,056	15,014	16,032	8,927	7,551
2009	29,576	2,399	309,505	14,570	15,822	9,319	6,844
2010	28,297	2,199	351,771	14,931	16,985	9,725	7,499
2011	27,745	2,176	374,782	15,016	17,564	9,600	8,147
2012	27,507	2,171	383,683	14,754	19,576	9,473	7,683
2013	28,358	2,347	397,426	15,019	19,612	9,516	7,998
2014	29,378	2,344	411,495	15,553	19,448	9,937	8,393
2015	29,251	2,315	418,743	15,978	18,456	9,960	8,650
2016	28,414	2,352	428,334	16,395	18,331	9,896	9,395
	Agriculture, Forestry&Fishing	Mining & Quarrying	Manufacturing	Food & tobacco	Textile Products & leather	Wood, paper, printing, reproduction	Coal·Petroleum products

자료 : 한국은행

4-3. Gross Domestic Product by Kind of Economic Activity(At chained 2010 year prices)

Unit : bil.won

화학제품	비금속 광물 제품	1차 금속제품	금속제품	기계 및 장비	전기 및 전자기기	정밀기기	운수장비	기타	
13,009	5,540	15,755	6,764	4,852	5,104	710	9,160	3,620	1990
13,293	6,108	16,831	8,234	5,918	5,362	812	10,654	3,672	1991
15,115	6,665	18,334	7,070	6,008	5,777	857	12,400	3,345	1992
16,078	6,750	18,769	9,440	6,623	6,601	1,041	14,150	3,260	1993
19,154	7,006	19,584	10,814	8,346	7,911	1,357	16,910	3,167	1994
21,334	6,634	22,529	12,849	11,351	10,305	1,611	19,076	3,007	1995
22,458	7,389	22,759	14,803	12,963	11,467	1,660	21,963	3,011	1996
23,660	7,293	23,232	15,620	13,244	12,031	1,842	23,473	2,943	1997
23,814	5,749	21,379	13,603	8,721	15,188	1,451	17,558	2,510	1998
26,448	6,913	23,511	14,934	11,507	21,080	1,851	23,344	2,970	1999
29,631	7,713	25,126	17,253	14,298	28,214	2,178	26,846	3,520	2000
31,853	8,003	26,388	17,250	14,075	30,050	2,208	27,926	3,074	2001
34,296	8,255	28,530	18,157	15,790	35,154	2,389	29,100	3,392	2002
34,221	8,785	28,229	19,993	17,159	39,600	2,620	31,248	3,611	2003
34,550	8,880	29,179	22,238	18,147	49,024	3,598	34,137	3,704	2004
37,210	8,872	30,375	25,574	20,093	51,667	3,823	36,463	3,954	2005
39,007	9,153	29,196	25,998	21,909	58,348	5,359	41,514	4,332	2006
41,362	9,608	30,448	27,860	23,805	66,270	7,079	45,858	4,620	2007
41,555	9,983	28,067	25,755	25,303	74,093	4,839	50,176	4,646	2008
42,065	10,300	27,026	23,195	22,998	77,451	4,934	50,686	4,681	2009
46,520	11,014	31,748	24,460	28,971	92,466	5,944	56,451	5,058	2010
45,851	10,915	32,818	24,941	31,040	107,568	6,737	59,288	5,298	2011
46,292	10,836	32,209	26,988	31,905	110,633	7,331	61,017	5,168	2012
48,780	11,533	33,103	26,418	32,572	118,398	7,871	62,554	4,780	2013
50,967	11,772	34,165	27,527	33,096	124,143	8,394	63,909	5,069	2014
54,442	12,508	33,471	29,354	33,130	127,007	8,598	62,778	5,102	2015
58,432	12,808	34,550	29,405	32,742	132,962	9,241	60,358	5,178	2016
Chemical products	Non-metallic minerals	Basic metal products	Metal products	Machinery & equipment	Electrical machinery	Precision instrumnets	Transport equipment	Other	

Source : Bank of Korea

4-3. 경제활동별 국내 총생산(2010년 기준 연쇄가격)

단위 : 십억 원

	전기, 가스, 수도사업	건설업	서비스업	도소매 및 음식숙박업	운수 및 보관업	금융 및 보험업	부동산 및 임대업
1990	6,034	45,209	226,759	57,804	15,509	18,612	30,962
1991	6,676	50,430	249,917	62,673	16,676	21,597	34,571
1992	7,589	49,610	269,811	65,815	17,731	24,413	37,898
1993	8,545	53,964	291,806	69,891	18,172	28,685	41,271
1994	9,676	56,421	319,453	75,301	19,544	32,023	45,512
1995	10,304	59,328	348,121	80,502	21,221	36,414	50,012
1996	11,413	63,186	374,532	85,594	22,866	38,500	54,284
1997	12,422	63,764	399,731	88,365	24,942	39,684	60,733
1998	12,525	56,458	389,017	80,495	23,370	37,807	64,555
1999	13,875	52,279	423,699	93,701	26,802	40,693	64,161
2000	15,410	49,718	454,662	101,232	29,789	40,177	69,049
2001	16,339	52,165	478,553	105,323	31,053	43,394	70,793
2002	17,646	53,654	517,233	111,524	32,115	53,301	73,108
2003	18,321	58,141	528,314	108,357	32,620	52,837	75,520
2004	19,610	58,964	542,893	108,057	34,481	52,689	77,702
2005	20,993	58,600	564,083	110,167	35,476	55,661	81,158
2006	21,403	59,578	589,813	114,804	37,139	57,694	83,650
2007	22,296	61,061	620,322	120,700	39,307	63,996	85,271
2008	23,064	59,504	640,431	122,676	41,421	66,969	88,186
2009	24,211	60,878	649,914	122,252	39,545	70,201	89,033
2010	25,632	58,634	678,591	130,351	44,539	71,670	91,042
2011	25,687	55,432	699,581	137,058	46,158	72,741	93,384
2012	26,710	54,431	718,906	141,698	46,878	75,547	93,183
2013	26,629	56,044	739,463	145,620	47,556	78,584	94,000
2014	27,328	56,471	763,854	149,151	48,647	83,021	97,113
2015	28,722	59,691	785,323	152,013	49,486	88,569	98,774
2016	29,754	65,977	803,601	156,069	50,536	90,585	99,296
	Electricity, Gas& Water Supply	Construction	Services	Wholesale and retail trade, restaurants and hotels	Transportation and storage	Finance and insurance	Real estate and leasing

자료 : 한국은행

4-3. Gross Domestic Product by Kind of Economic Activity(At chained 2010 year prices)

Unit : bil.won

정보통신업	사업서비스업	공공행정 및 국방	교육서비스	보건 및 사회복지서비스	문화 및 기타서비스	총부가가치 (기초가격)	국내총생산 (시장가격)	
5,000	20,488	33,568	32,346	16,544	9,116	374,826	419,518	1990
5,941	23,318	35,910	33,885	18,175	10,242	413,287	462,955	1991
6,804	25,664	38,520	35,466	19,513	11,155	440,186	491,545	1992
7,801	28,020	41,029	36,885	20,787	12,161	471,162	525,199	1993
9,531	31,319	43,088	38,573	22,929	13,939	513,719	573,550	1994
11,242	34,943	44,939	40,134	24,738	15,572	562,377	628,442	1995
13,300	38,577	47,704	41,700	25,631	16,950	604,902	676,169	1996
15,283	41,121	50,374	43,010	27,349	18,315	640,015	716,213	1997
15,661	37,157	52,019	42,760	26,240	16,739	608,148	677,028	1998
19,086	41,464	54,687	44,026	27,270	18,634	674,374	753,590	1999
24,322	45,371	56,015	45,555	27,167	20,186	733,837	820,844	2000
28,566	47,575	57,883	47,997	25,817	22,335	766,877	857,990	2001
32,673	51,921	60,155	50,748	27,351	24,772	825,531	921,759	2002
34,256	56,336	62,307	53,253	28,908	24,645	850,783	948,796	2003
36,662	59,047	64,746	54,986	30,482	24,551	892,055	995,286	2004
39,336	61,236	67,090	56,383	32,431	25,268	928,995	1,034,338	2005
40,943	65,441	70,223	58,926	34,471	26,876	976,372	1,087,876	2006
42,030	70,219	72,369	60,804	37,083	28,788	1,033,356	1,147,311	2007
43,097	73,410	74,015	62,662	38,417	29,628	1,065,183	1,179,771	2008
43,953	73,951	76,847	63,002	41,285	29,957	1,076,430	1,188,118	2009
45,364	77,950	78,886	63,749	43,925	31,115	1,145,124	1,265,308	2010
47,932	80,914	80,639	63,807	45,483	31,466	1,185,403	1,311,893	2011
50,199	83,353	82,941	64,387	48,693	31,973	1,213,224	1,341,967	2012
52,773	87,245	85,025	64,773	51,247	32,683	1,250,079	1,380,833	2013
55,165	91,424	87,053	64,865	54,740	33,106	1,290,494	1,426,972	2014
56,532	95,714	88,495	65,158	58,653	33,000	1,324,279	1,466,788	2015
58,151	97,695	90,554	65,535	63,204	33,445	1,359,580	1,508,265	2016
Information and communication	Business activities	Public administration and defence	Education	Health and social work	Cultural and other services	Gross value added at basic prices	GDP at market prices	

Source : Bank of Korea

4-4. 광공업 생산지수

2010=100

	총지수	광업	석탄, 원유 및 천연가스 광업	금속 광업	비금속광물 광업; 연료용 제외	제조업	식료품	음료
1990	22.8	203.1	640.0	137.7	136.5	22.6	74.8	48.6
1991	25.0	209.2	553.1	130.6	160.5	24.8	79.6	57.4
1992	26.5	183.2	447.2	131.9	146.4	26.2	79.3	64.1
1993	27.7	174.6	355.3	95.5	154.1	27.4	79.1	69.1
1994	30.7	176.9	286.6	59.8	171.6	30.4	83.4	81.6
1995	34.4	168.0	225.2	59.7	171.4	34.0	85.4	77.3
1996	37.4	167.2	199.9	74.5	170.8	36.9	89.3	81.7
1997	39.2	161.7	183.6	79.1	165.2	38.6	87.4	83.3
1998	36.7	125.1	175.0	60.9	125.8	36.1	79.9	73.2
1999	45.7	135.7	166.2	51.4	139.2	45.3	85.4	86.1
2000	53.4	133.6	166.7	42.1	137.6	53.1	88.1	88.0
2001	53.7	133.4	153.2	24.5	140.2	53.1	92.1	96.0
2002	58.0	139.0	133.8	40.7	147.4	57.4	95.1	97.3
2003	61.2	137.8	133.1	35.6	146.5	60.6	93.5	95.4
2004	67.6	133.0	130.5	46.8	140.1	67.1	95.5	97.1
2005	71.9	122.6	114.5	45.1	129.6	71.4	95.3	95.8
2006	77.9	117.5	106.9	51.1	124.8	77.6	96.8	95.2
2007	83.3	112.2	94.0	77.2	120.5	83.1	97.0	97.4
2008	86.1	101.0	75.3	69.9	111.8	85.9	94.7	100.3
2009	86.0	107.8	102.1	55.2	112.6	85.7	94.3	95.1
2010	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2011	106.0	104.5	91.6	124.9	108.4	106.0	101.9	103.5
2012	107.4	99.8	90.2	108.5	102.9	107.5	103.4	108.2
2013	108.2	103.8	86.2	98.4	110.3	108.2	103.7	108.8
2014	108.4	95.6	71.1	99.9	104.2	108.5	104.8	110.0
2015	108.1	97.1	59.1	78.9	111.4	108.2	106.7	113.2
2016	109.2	95.5	53.4	75.0	111.3	109.3	108.4	115.7
	All groups	Mining and quarrying	Coal, crude petroleum and natural gas	Metal ores	Non-metallic minerals, except fuel	Manufacturing	Food	Beverages

자료 : 통계청

4-4. Industrial Production Index

2010=100

담배	섬유제품	의복, 의복액세서리 및 모피제품	가죽, 가방 및 신발	목재 및 나무제품	펄프, 종이 및 종이제품	인쇄 및 기록매체 복제	
68.9	237.6	164.5	916.7	153.3	53.5	83.7	1990
69.7	234.6	156.3	853.0	166.0	55.6	85.7	1991
72.2	227.4	142.4	788.9	158.0	59.2	100.0	1992
73.9	208.5	121.6	602.6	131.2	64.0	98.5	1993
70.3	207.4	126.6	510.4	135.3	71.6	111.8	1994
67.9	201.7	129.1	434.2	133.0	76.5	133.1	1995
73.1	192.0	125.2	371.5	133.7	80.7	131.7	1996
74.7	179.7	99.6	314.6	134.4	84.1	126.7	1997
78.0	163.7	72.4	221.6	84.1	74.0	104.4	1998
74.1	174.6	78.9	223.2	106.2	82.3	105.5	1999
75.9	172.5	90.5	205.9	109.8	85.5	105.8	2000
75.5	154.7	83.4	194.4	117.7	85.0	103.7	2001
75.8	145.8	86.9	180.3	123.9	90.1	104.5	2002
98.8	129.4	76.1	155.5	125.1	90.2	96.2	2003
106.9	118.6	76.1	134.0	119.8	93.0	94.2	2004
86.1	103.9	80.3	120.9	114.6	93.5	88.2	2005
96.3	104.1	88.0	124.0	125.7	95.5	90.0	2006
100.0	102.7	93.4	121.6	122.7	98.0	89.8	2007
103.9	94.5	98.0	119.5	114.2	96.5	98.8	2008
103.6	89.2	95.2	105.3	101.1	93.7	87.5	2009
100.0	100.0	100.0	100.0	100.0	100.0	100.0	2010
101.6	101.5	100.6	101.1	97.5	102.3	91.8	2011
105.6	99.1	97.9	98.2	87.9	102.7	90.5	2012
96.5	97.6	93.6	111.5	92.9	105.1	86.8	2013
103.9	95.7	87.8	110.0	89.1	106.9	86.5	2014
96.3	89.8	84.4	103.9	92.5	105.7	84.3	2015
109.0	86.8	82.0	104.2	88.7	108.3	83.7	2016
Tobacco	Textiles	Wearing apparel, clothing accessories and fur articles	Tanning and dressing of leather, manufacture of luggage and footwear	Manufacture of wood and of products of wood cork	Pulp, paper and paper products	Printing & reproduction of recorded media	

Source : Statistics Korea

4-4. 광공업 생산지수

2010=100

	제조업							
	코크스, 연탄 및 석유정제품	화학물질 및 화학제품	의료용 물질 및 의약품	고무제품 및 플라스틱제품	비금속 광물제품	1차금속	금속가공제품	전자부품, 컴퓨터, 영상, 음향 및 통신장비
1990	35.2	24.4	26.0	51.7	61.9	37.7	70.7	2.3
1991	44.3	28.7	29.0	56.0	71.8	41.8	76.1	2.7
1992	55.5	35.6	30.3	59.3	76.5	43.7	72.6	2.9
1993	60.2	39.0	32.2	61.9	77.2	48.6	76.0	3.3
1994	61.5	42.3	35.1	67.0	83.0	52.7	84.0	4.1
1995	69.3	45.2	37.7	70.3	88.0	57.9	94.3	5.3
1996	80.9	50.8	42.1	74.5	93.2	61.5	99.6	6.5
1997	98.3	58.0	44.9	76.0	94.8	65.0	101.9	7.9
1998	88.1	57.2	39.6	60.2	72.8	57.2	80.1	10.4
1999	95.9	63.4	43.3	70.8	78.2	65.3	84.1	15.8
2000	97.5	66.7	47.7	75.5	83.4	70.8	88.2	21.7
2001	93.9	67.7	51.7	77.4	85.1	71.7	81.6	22.1
2002	86.0	72.1	54.5	82.5	86.9	75.3	84.3	27.5
2003	88.9	74.6	57.9	84.6	91.8	79.2	85.7	32.2
2004	91.8	78.2	62.0	87.4	90.4	83.3	88.0	41.0
2005	94.8	79.3	69.3	89.1	84.5	83.5	86.6	48.2
2006	96.0	81.3	77.1	95.1	89.7	86.6	92.0	59.0
2007	97.2	87.0	83.6	100.7	94.8	90.5	97.0	66.9
2008	97.8	87.9	90.3	97.3	95.8	91.9	102.4	73.1
2009	96.7	92.5	95.9	89.1	94.8	83.3	92.2	79.9
2010	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2011	106.9	102.7	100.3	105.1	100.3	106.2	108.9	107.1
2012	109.1	106.6	101.2	106.4	95.2	106.8	117.9	109.7
2013	104.6	110.9	103.2	109.9	100.6	106.0	117.3	113.6
2014	110.1	111.8	104.6	110.7	96.9	109.9	121.6	111.6
2015	116.7	114.3	106.7	110.6	103.3	108.1	116.3	113.1
2016	124.1	118.0	113.5	108.9	106.8	110.0	109.7	118.7
	Coke, hard-coal and lignite fuel briquettes & refined	Chemicals & chemical products	Pharmaceuticals, medicinal chemicals and botanical products	Rubber and plastic products	Non-metallic mineral products Basic metal products	Basic metal products	Febricated metal products	Electronic components, computer, radio, television & communication equipment
	Manufacturing							

자료 : 통계청

4-4. Industrial Production Index

2010=100

제조업							전기, 가스, 증기 및 수도사업	
의료, 정밀, 광학기기 및 시계	전기장비	기타 기계 및 장비	자동차 및 트레일러	기타 운송장비	가구	기타 제품		
63.3	35.0	30.2	20.4	12.7	121.0	308.1	20.9	1990
63.2	38.7	33.5	23.6	15.2	125.5	308.0	23.3	1991
63.8	40.2	32.7	26.8	18.9	122.5	275.9	26.0	1992
65.1	42.5	34.0	31.3	16.6	120.3	243.6	29.1	1993
69.9	47.5	40.4	37.4	19.3	120.2	234.1	33.5	1994
74.4	54.7	48.4	43.8	22.0	124.2	227.2	38.0	1995
71.0	57.8	50.7	49.3	26.3	119.5	215.0	42.7	1996
69.5	57.6	49.4	49.0	28.7	107.5	198.2	46.9	1997
62.8	43.3	33.8	32.3	42.9	75.4	218.8	45.3	1998
69.9	54.7	41.9	49.6	46.5	106.1	227.1	50.9	1999
75.5	65.3	52.7	56.5	42.8	100.2	217.1	57.0	2000
76.7	65.0	50.3	55.9	52.1	97.6	202.8	61.0	2001
76.2	73.2	53.8	60.6	51.1	105.2	182.8	65.6	2002
77.6	73.3	57.3	64.5	54.5	106.0	149.4	69.2	2003
78.9	77.6	64.5	72.1	62.1	105.7	131.0	73.2	2004
74.7	80.4	66.5	78.1	66.8	102.9	115.2	78.4	2005
80.2	80.6	72.8	84.4	72.4	104.4	109.2	81.6	2006
84.0	84.2	80.0	89.7	77.4	103.5	108.2	85.3	2007
88.1	89.5	80.6	86.8	95.3	105.9	92.0	89.7	2008
89.4	90.9	72.2	81.2	107.4	94.7	86.7	91.3	2009
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	2010
105.6	100.8	109.3	114.7	101.7	105.4	102.2	104.5	2011
111.6	98.8	107.0	114.5	107.1	98.2	103.8	106.4	2012
124.2	97.0	102.7	116.1	101.7	97.2	104.9	106.8	2013
112.4	98.8	103.1	119.3	90.4	104.2	104.8	107.5	2014
107.8	95.6	99.9	120.8	82.2	110.0	100.9	106.8	2015
107.3	96.6	98.0	117.4	79.3	109.7	104.5	107.8	2016
Medical, precision & optical equipement and watchmaking	Electrical equipment	Other machinery and equipment	Motor vehicles, trailers and semitrailers	Other transport equipment	Funiture	Other manufacturing	Electricity, gas, steam, and water supply	
Manufacturing								

Source : Statistics Korea

4-5. 제조업 가동률지수

2010=100

	제조업	식료품	음료	담배	섬유제품	의복, 액세서리 및 모피제품
1990	96.8	102.6	108.4	161.1	155.6	205.6
1991	98.3	101.3	112.0	151.7	151.6	199.2
1992	96.8	97.7	107.6	152.5	148.1	186.8
1993	96.3	95.2	103.6	150.5	142.2	187.2
1994	100.6	97.3	110.0	131.8	135.9	189.5
1995	100.2	96.9	94.2	122.0	118.9	201.0
1996	99.9	98.6	93.0	129.7	118.0	184.4
1997	98.0	101.1	92.4	133.3	119.7	157.0
1998	84.1	88.7	82.5	139.1	113.0	128.3
1999	94.7	94.8	99.3	130.2	118.5	172.0
2000	97.0	95.9	101.9	128.5	114.5	156.1
2001	93.0	98.4	107.5	127.2	105.4	153.2
2002	96.7	102.3	106.6	128.0	102.3	126.3
2003	96.7	99.7	102.1	126.8	100.0	113.8
2004	99.4	97.9	102.8	137.2	97.6	119.5
2005	99.0	94.1	101.1	112.7	94.7	111.0
2006	99.3	92.6	100.1	126.1	97.2	111.5
2007	99.4	92.4	100.3	114.9	100.1	95.9
2008	96.3	92.9	104.2	100.8	94.7	92.1
2009	92.8	94.2	98.0	100.8	91.7	92.1
2010	100.0	100.0	100.0	100.0	100.0	100.0
2011	100.2	99.3	98.7	101.3	99.6	90.6
2012	97.5	100.0	101.9	108.9	97.8	88.0
2013	95.1	101.6	102.3	100.5	97.6	96.8
2014	94.3	99.6	103.0	105.3	96.1	87.6
2015	92.4	99.3	103.5	93.5	94.2	63.0
2016	90.4	101.3	101.6	106.3	90.7	108.4
	Manufacturing	Food	Beverage	Tobacco	Textiles	Wearing, apparel, clothing accessories and fur articles

자료 : 통계청

4-5. Manufacturing Operation Ratio Index

2010=100

가죽, 가방 및 신발	목재 및 나무제품	펄프, 종이 및 종이제품	코크스, 연탄 및 석유정제	화학물질 및 화학제품	고무 및 플라스틱제품	
199.1	130.7	93.3	96.3	90.5	93.2	1990
182.7	122.1	90.7	107.0	90.6	96.3	1991
177.2	102.4	89.8	109.3	94.1	99.5	1992
163.0	95.7	90.7	112.4	94.1	96.3	1993
153.6	100.2	94.7	114.4	98.0	96.4	1994
145.5	102.6	95.4	104.7	96.4	93.0	1995
139.8	112.3	91.7	107.0	97.7	95.7	1996
114.5	125.9	95.2	106.8	101.5	96.1	1997
114.1	79.5	83.8	95.2	91.7	79.6	1998
130.0	104.9	92.5	98.7	99.7	91.7	1999
125.3	112.9	93.4	100.6	101.2	95.7	2000
127.9	115.0	90.8	97.3	100.6	93.6	2001
120.8	120.7	93.4	89.1	103.5	96.4	2002
103.7	119.5	93.2	92.9	104.4	94.9	2003
105.8	113.3	94.3	97.4	102.9	98.8	2004
94.5	110.4	94.3	101.5	99.5	96.5	2005
93.0	120.1	94.2	100.6	100.0	97.6	2006
94.6	108.0	97.6	100.2	102.3	97.8	2007
94.4	99.5	94.9	100.8	95.8	92.8	2008
90.1	90.1	94.9	98.6	96.8	89.7	2009
100.0	100.0	100.0	100.0	100.0	100.0	2010
91.5	99.5	100.5	104.9	99.1	101.4	2011
89.6	96.3	100.3	105.8	99.1	99.6	2012
93.5	101.4	101.1	100.0	98.3	99.6	2013
83.4	102.8	100.2	100.7	97.5	98.6	2014
84.9	106.9	99.9	102.7	97.4	97.4	2015
76.7	102.2	102.0	108.4	98.3	97.8	2016
Tanning and cressing of leather, luggage and footwear	Wood and products of wood and cork	Pulp, paper & paper products	Coke, hard-coal & lignite fuel briquettes & refined	Chemicals & lignite fuel briquettes & refined	Rubber & plastic products	

Source : Statistics Korea

4-5. 제조업 가동률지수

2010=100

	비금속 광물제품	1차 금속 제조업	금속가공 제품 제조업	전자부품, 컴퓨터, 영상음향 및 통신장비	의료, 정밀, 광학기기 및 시계	전기장비 제조업
1990	138.2	109.0	106.7	73.2	146.6	85.0
1991	145.2	106.6	116.8	71.8	151.5	89.5
1992	140.2	101.7	103.0	70.9	146.1	90.0
1993	136.5	103.8	104.3	75.3	142.0	89.8
1994	139.7	105.8	115.9	82.1	137.6	99.1
1995	139.6	105.9	118.5	81.0	138.9	106.5
1996	133.1	109.4	126.0	77.9	120.7	104.4
1997	128.9	111.9	117.5	81.1	109.5	102.7
1998	99.5	89.6	88.5	84.5	100.3	82.2
1999	109.6	94.6	105.0	89.1	112.6	102.3
2000	118.8	99.0	111.1	92.3	114.6	94.5
2001	121.1	99.8	111.7	82.6	106.2	94.1
2002	121.9	101.2	116.3	91.1	92.6	99.3
2003	121.5	103.6	111.3	90.5	99.0	92.2
2004	115.8	106.5	106.6	97.2	95.0	93.0
2005	105.5	103.9	106.0	98.3	93.8	96.8
2006	108.1	103.2	106.8	96.4	94.8	97.3
2007	109.6	101.7	104.1	95.2	90.0	95.3
2008	101.1	101.3	104.8	91.6	93.9	93.3
2009	98.9	89.4	94.5	94.5	89.3	91.5
2010	100.0	100.0	100.0	100.0	100.0	100.0
2011	98.3	99.9	106.1	93.1	98.9	96.7
2012	94.6	99.2	103.6	88.6	97.0	94.1
2013	96.7	98.1	102.1	85.9	97.8	90.5
2014	90.8	100.4	102.1	84.6	85.6	90.5
2015	94.8	98.7	99.3	77.4	83.8	91.4
2016	103.8	101.3	95.7	71.0	83.8	92.2
	Other non-metallic mineral products	Basic metal products	Fabricated metal products	Electronic components, computer, video, sound, and communications equipment	Medical, precision & optical instruments, watches	Electrical equipment

자료 : 통계청

4-5. Manufacturing Operation Ratio Index

2010=100

기타 기계 및 장비 제조업	자동차 및 트레일러 제조업	기타 운송장비 제조업	가구제조업	기타 제품 제조업	
78.8	87.1	62.9	-	177.2	1990
77.8	91.7	76.0	-	181.9	1991
63.2	96.2	87.2	-	176.5	1992
65.9	99.1	65.8	-	163.1	1993
79.6	102.1	80.4	-	163.2	1994
98.3	105.6	77.9	-	157.4	1995
98.6	108.7	76.3	-	141.3	1996
88.6	97.3	72.2	-	127.7	1997
61.9	64.9	76.1	-	114.3	1998
75.2	86.7	87.3	-	127.5	1999
91.1	83.7	82.7	-	129.7	2000
84.4	77.7	86.1	-	112.3	2001
88.3	81.9	96.2	-	115.8	2002
97.4	82.4	99.1	-	110.2	2003
107.5	86.2	110.1	-	86.6	2004
103.0	91.4	120.8	96.8	82.8	2005
101.4	95.0	125.5	95.3	84.5	2006
102.0	98.8	123.4	93.1	95.6	2007
99.7	92.2	128.0	87.6	96.0	2008
87.6	84.6	123.7	86.0	93.4	2009
100.0	100.0	100.0	100.0	100.0	2010
103.0	106.5	105.6	99.9	99.3	2011
99.4	102.9	95.0	90.1	100.4	2012
91.6	102.0	86.8	87.5	96.9	2013
89.5	103.4	82.4	94.0	95.5	2014
83.8	105.0	83.4	93.3	97.7	2015
80.6	97.2	76.9	95.4	100.1	2016
Other machinery and equipment	Motor vehicles, trailers and semitrailers	Other transport equipment	Funiture	Other manufacturing	

Source : Statistics Korea

4-6. 산업별 월평균 근로시간(10인 이상)

단위 : 시간

	전체	광업	제조업	전기, 가스, 증기 및 수도사업	하수·폐기물처리, 원료재생 및 환경복원업	건설업	도매 및 소매업	운수업	숙박 및 음식점업
1990	209.5	157.4	216.2	207.5	-	198.7	206.4	-	-
1991	208.2	171.4	214.0	210.9	-	198.1	207.5	-	-
1992	206.5	171.4	211.6	213.5	-	199.8	206.4	-	-
1993	206.4	176.7	212.2	208.6	-	202.1	201.7	-	203.2
1994	205.9	181.6	211.7	207.3	-	199.0	201.5	-	205.4
1995	207.0	190.5	213.7	212.4	-	198.9	200.5	-	203.6
1996	205.5	190.4	210.1	216.0	-	195.5	197.2	-	200.4
1997	203.0	190.8	207.6	213.5	-	193.4	194.3	-	198.7
1998	199.2	190.0	200.0	212.6	-	192.4	193.9	-	194.6
1999	208.2	192.7	217.4	211.5	-	195.8	199.0	-	198.3
2000	206.2	193.6	214.3	209.6	-	192.9	194.4	-	201.9
2001	203.9	190.3	209.8	213.3	-	192.7	193.9	-	204.7
2002	200.8	195.1	207.3	207.0	-	190.7	191.8	211.5	199.7
2003	199.2	195.6	206.7	208.2	-	188.0	189.2	210.0	197.6
2004	198.3	187.5	205.9	198.4	-	188.4	187.8	209.6	199.2
2005	195.9	189.8	203.8	184.1	-	185.5	186.2	202.3	206.3
2006	191.8	188.4	199.8	182.2	-	180.7	183.0	199.1	202.9
2007	188.8	188.5	197.6	180.8	-	179.1	179.4	194.0	201.2
2008	177.6	179.1	190.7	173.2	197.1	161.9	176.1	169.7	175.1
2009	177.1	187.8	188.9	177.9	196.9	150.7	176.9	184.6	170.9
2010	177.9	188.2	192.9	176.9	194.7	151.0	176.2	184.9	170.4
2011	176.9	187.3	191.6	176.8	187.5	152.8	172.4	181.9	188.3
2012	175.0	185.8	187.5	175.2	186.2	150.9	171.8	182.1	189.5
2013	173.4	181.0	186.2	173.1	182.8	153.3	170.6	177.8	177.2
2014	172.4	178.4	186.7	170.3	178.5	152.0	169.8	172.9	174.7
2015	173.6	178.5	187.6	170.5	178.9	151.0	170.8	173.7	172.2
2016	172.1	177.4	185.9	167.1	178.8	150.3	169.6	172.2	168.5
	Total	Mining and quarrying	Manufacturing	Electricity, gas, steam and water supply	Sewerage, waste management, materials recovery and remediation activities	Construction	Wholesale and retail trade	Transportation	Accommodation and food service activities

주 : 2008년 이후는 산업분류 개편(KSIC-9차개정)에 따름
자료 : 고용노동통계

4-6. Monthly Hours worked by Industry(10 Employees & More)

Unit : Hour

출판, 영상, 방송통신 및 정보서비스업	금융 및 보험업	부동산업 및 임대업	전문, 과학 및 기술서비스업	사업시설관리 및 사업지원 서비스업	교육 서비스업	보건업 및 사회복지 서비스업	예술, 스포츠 및 여가관련 서비스업	협회 및 단체, 수리 및 기타개인 서비스업	
-	189.2	-	-	-	-	-	-	193.1	1990
-	191.9	-	-	-	-	-	-	193.5	1991
-	192.7	-	-	-	-	-	-	194.4	1992
-	186.6	209.3	-	-	189.4	196.1	-	197.4	1993
-	187.7	210.2	-	-	185.5	194.8	-	196.7	1994
-	187.0	207.4	-	-	185.5	195.4	-	200.0	1995
-	188.1	210.1	-	-	186.1	195.7	-	199.5	1996
-	187.1	208.1	-	-	183.6	195.5	-	199.5	1997
-	187.6	209.2	-	-	185.3	195.1	-	198.5	1998
-	188.3	207.2	-	-	196.0	195.7	-	198.4	1999
-	186.5	205.9	-	-	199.5	195.7	-	194.8	2000
-	185.3	205.3	-	-	193.6	195.8	-	197.1	2001
189.1	181.7	241.8	-	192.3	183.4	192.1	196.8	193.3	2002
186.5	174.5	233.2	-	193.4	181.8	189.6	197.2	191.3	2003
180.0	173.9	237.7	-	191.2	181.4	188.1	193.9	192.2	2004
176.7	170.3	248.7	-	187.1	177.8	186.3	193.0	190.9	2005
173.3	168.1	237.4	-	181.3	174.1	182.6	191.2	188.9	2006
172.0	167.4	232.1	-	178.3	170.4	181.2	187.0	186.9	2007
166.5	166.0	209.1	167.3	180.3	148.5	176.5	161.7	178.9	2008
167.5	166.8	204.1	167.5	178.3	151.8	175.9	165.2	177.9	2009
166.5	165.1	201.1	166.4	178.9	148.4	176.1	162.1	175.0	2010
165.3	162.9	196.9	166.3	173.5	151.5	172.9	158.8	178.2	2011
164.6	162.7	193.1	165.3	173.6	149.6	175.0	158.3	175.0	2012
163.9	162.1	191.4	163.8	172.9	149.0	172.4	158.3	172.9	2013
162.9	163.1	188.8	163.4	173.8	151.7	170.7	165.3	163.1	2014
165.5	163.8	192.0	165.0	174.6	151.4	172.8	167.1	163.7	2015
164.3	162.4	190.8	163.3	173.0	147.8	171.0	165.2	163.5	2016
Information and communications	Financial and insurance activities	Realestate activities and renting and leasing	Professional, scientific and technical activities	Business facilities management and business support services	Education	Human health and social work activities	Arts, sports and recreation related services	Membership organizations, repair and other personal services	

Note : Based on the 9th revision of Korea Standard Industrial Classification since 2008
Source : Ministry of Employment and Labor

4-7. 산업별 월평균 임금(10인 이상)

단위 : 천원

	전체	광업	제조업	전기, 가스, 증기 및 수도사업	하수·폐기물처리, 원료재생 및 환경복원업	건설업	도매 및 소매업	운수업	숙박 및 음식점업
1990	642.3	605.0	590.8	953.5	-	745.4	655.2	-	-
1991	754.7	710.6	690.3	1,124.1	-	884.9	773.4	-	-
1992	869.3	859.9	798.5	1,216.1	-	1,020.2	884.3	-	-
1993	975.1	980.3	885.4	1,324.1	-	1,154.8	981.9	-	759.1
1994	1,099.0	1,096.4	1,022.5	1,424.9	-	1,270.0	1,071.2	-	863.6
1995	1,222.1	1,194.9	1,123.9	1,608.2	-	1,384.2	1,173.8	-	994.5
1996	1,367.5	1,379.9	1,261.2	1,916.9	-	1,501.3	1,316.8	-	1,111.7
1997	1,463.3	1,534.9	1,326.2	2,078.5	-	1,623.6	1,426.6	-	1,202.1
1998	1,426.8	1,524.5	1,284.5	2,021.7	-	1,502.3	1,396.7	-	1,178.0
1999	1,599.2	1,581.1	1,475.5	2,327.6	-	1,690.9	1,471.2	-	1,191.8
2000	1,727.3	1,702.3	1,601.5	2,489.8	-	1,839.8	1,597.6	-	1,251.2
2001	1,824.8	1,779.6	1,702.4	2,875.4	-	1,834.7	1,826.7	-	1,335.8
2002	2,036.2	1,994.3	1,907.1	3,243.0	-	2,062.5	1,978.6	1,665.8	1,526.5
2003	2,228.5	2,304.1	2,074.0	3,661.2	-	2,286.6	2,214.6	1,851.9	1,615.3
2004	2,372.6	2,457.4	2,279.7	3,859.8	-	2,351.7	2,300.8	1,947.3	1,686.1
2005	2,524.9	2,536.9	2,458.0	4,138.0	-	2,373.8	2,573.5	2,120.9	1,781.1
2006	2,666.6	2,615.6	2,594.8	4,353.6	-	2,576.5	2,717.9	2,191.4	1,830.0
2007	2,823.2	2,834.7	2,772.4	4,703.1	-	2,730.6	2,883.0	2,308.1	1,851.2
2008	2,722.0	2,977.7	2,783.1	5,174.2	2,289.1	2,042.7	2,578.3	2,080.0	1,622.0
2009	2,791.5	2,863.1	2,843.3	5,140.8	2,434.7	1,978.2	2,727.1	2,272.7	1,631.8
2010	2,984.6	3,075.1	3,102.6	5,502.2	2,551.8	2,149.2	2,932.8	2,394.0	1,721.7
2011	3,011.8	3,348.2	3,155.2	5,508.3	2,592.1	2,353.0	3,171.7	2,393.6	1,922.0
2012	3,181.8	3,530.5	3,351.6	5,406.9	2,762.4	2,485.0	3,368.5	2,589.4	2,021.3
2013	3,302.6	3,625.7	3,515.0	5,558.3	2,855.0	2,638.0	3,418.0	2,728.4	1,997.1
2014	3,400.6	3,624.5	3,660.3	5,573.0	2,929.0	2,691.0	3,499.8	2,802.9	1,993.1
2015	3,512.2	3,851.7	3,768.6	5,867.5	3,068.3	2,782.9	3,597.0	2,948.3	2,029.7
2016	3,649.6	3,959.1	3,927.5	6,351.4	3,261.5	2,888.1	3,738.3	3,106.4	2,104.2
	Total	Mining and quarrying	Manufacturing	Electricity, gas, steam and water supply	Sewerage, waste management, materials recovery and remediation activities	Construction	Wholesale and retail trade	Transportation	Accommodation and food service activities

주 : 2008년 이후는 산업분류 개편(KSIC-9차개정)에 따름
자료 : 고용노동통계

4-7. Monthly Earnings of Employees by Industry(10 Employees & More)

Unit : thou. Won

출판, 영상, 방송통신 및 정보서비스업	금융 및 보험업	부동산업 및 임대업	전문, 과학 및 기술서비스업	사업시설관리 및 사업지원 서비스업	교육 서비스업	보건업 및 사회복지 서비스업	예술, 스포츠 및 여가관련 서비스업	협회 및 단체, 수리 및 기타개인 서비스업	
-	-	-	-	-	-	-	-	-	1990
-	-	-	-	-	-	-	-	-	1991
-	-	-	-	-	-	-	-	-	1992
-	1,417.5	921.4	-	-	1,519.3	966.8	-	1,266.2	1993
-	1,568.5	1,006.1	-	-	1,739.6	1,093.6	-	1,393.3	1994
-	1,827.6	1,141.0	-	-	1,933.9	1,220.7	-	1,540.4	1995
-	1,986.5	1,242.1	-	-	2,036.7	1,347.0	-	1,725.7	1996
-	2,054.2	1,362.2	-	-	2,201.7	1,462.0	-	1,819.9	1997
-	1,966.5	1,329.3	-	-	2,190.1	1,484.1	-	1,764.8	1998
-	2,215.9	1,445.0	-	-	2,018.7	1,604.3	-	1,686.2	1999
-	2,448.1	1,532.8	-	-	2,095.8	1,671.2	-	1,889.1	2000
-	2,646.1	1,596.7	-	-	2,137.7	1,804.0	-	1,893.9	2001
3,544.5	3,027.1	1,254.3	-	2,023.6	2,596.9	1,944.6	2,413.7	1,862.3	2002
3,665.3	3,395.2	1,390.9	-	2,114.9	2,849.9	2,078.1	2,755.8	2,017.6	2003
3,743.0	3,646.2	1,430.5	-	2,256.3	3,053.1	2,191.7	2,874.5	2,089.0	2004
3,809.2	3,854.3	1,566.2	-	2,364.0	3,051.6	2,403.1	2,840.6	2,196.2	2005
3,878.5	4,198.2	1,745.6	-	2,541.2	3,192.1	2,592.7	2,928.1	2,209.3	2006
4,196.2	4,531.7	1,867.2	-	2,676.9	3,231.8	2,675.9	2,999.9	2,328.4	2007
3,265.2	4,535.6	1,902.4	3,677.5	1,730.6	3,324.7	2,690.4	2,103.5	2,074.7	2008
3,291.1	4,608.3	1,956.9	3,923.7	1,722.5	3,338.5	2,767.5	2,231.2	2,179.0	2009
3,438.9	4,820.9	2,086.5	4,178.1	1,855.3	3,361.1	2,844.7	2,253.2	2,228.4	2010
3,800.3	4,894.4	2,141.8	4,031.4	1,693.3	3,239.0	2,701.2	2,217.4	2,469.3	2011
3,948.7	5,134.9	2,381.7	4,278.6	1,779.2	3,372.3	2,850.1	2,307.7	2,548.5	2012
4,053.5	5,178.3	2,480.2	4,414.6	1,869.2	3,462.9	2,918.2	2,429.1	2,502.4	2013
4,058.6	5,381.2	2,455.8	4,723.4	1,904.4	3,522.1	3,008.2	2,625.1	2,471.8	2014
4,183.1	5,674.5	2,624.4	4,880.5	1,962.4	3,655.0	3,078.5	2,713.4	2,530.3	2015
4,314.2	2,926.5	2,777.0	5,143.6	2,040.7	3,743.2	3,163.8	2,819.1	2,715.3	2016
Information and communications	Financial and insurance activities	Realestate activities and renting and leasing	Professional, scientific and technical activities	Business facilities management and business support services	Education	Human health and social work activities	Arts, sports and recreation related services	Membership organizations, repair and other personal services	

Note : Based on the 9th revision of Korea Standard Industrial Classification since 2008
Source : Ministry of Employment and Labor

4-8. 도시 근로자 가구의 가구당 월평균 가계수지

단위 : 천원

	소득	소비지출	식료품·비주류음료	주류·담배	의류·신발	주거·수도·광열
1990	945.27	579.25	153.34	9.07	57.45	57.75
1991	1,163.29	694.45	178.25	9.72	66.96	66.66
1992	1,359.12	803.82	193.06	10.80	76.41	77.73
1993	1,472.02	872.41	195.19	11.22	79.82	86.37
1994	1,686.06	990.94	214.32	13.40	90.18	90.56
1995	1,897.60	1,099.71	220.91	14.25	102.04	98.66
1996	2,149.43	1,251.33	238.45	15.90	111.00	109.82
1997	2,268.70	1,305.62	240.21	17.59	104.23	116.94
1998	2,137.91	1,180.86	221.45	17.66	78.43	124.39
1999	2,234.64	1,355.01	239.30	20.45	92.08	129.80
2000	2,388.23	1,490.76	240.36	21.71	102.93	147.51
2001	2,658.22	1,627.55	244.72	23.05	110.72	169.72
2002	2,835.45	1,697.41	249.73	22.95	116.35	173.57
2003	2,930.76	1,792.83	256.50	23.18	122.89	171.98
2004	3,112.47	1,897.13	270.44	26.31	121.24	180.28
2005	3,252.09	1,991.08	274.47	28.23	130.15	188.53
2006	3,444.05	2,070.87	277.20	29.50	135.71	199.79
2007	3,656.20	2,163.61	282.13	28.54	142.34	198.79
2008	3,900.62	2,308.53	304.81	28.05	148.60	212.25
2009	3,853.19	2,310.34	303.64	27.46	146.10	216.68
2010	4,007.67	2,435.10	318.78	28.41	158.01	231.09
2011	4,248.62	2,531.36	339.56	28.11	171.74	243.22
2012	4,492.36	2,621.90	355.03	27.59	182.18	260.47
2013	4,606.22	2,655.38	357.12	28.41	186.65	272.88
2014	4,734.60	2,723.85	358.76	28.30	183.63	269.67
2015	4,816.67	2,722.80	361.11	33.73	175.43	284.32
2016	4,884.45	2,740.41	355.22	34.97	171.38	278.18
	Income	Expenditure	Food and non-alcoholic beverage	Alcoholic beverages and cigarette	Clothing and footwear	Housing, water, electricity, gas and other fuels

주 : 2009년 소득 및 지출부문의 항목분류 개편으로 「가계동향조사(신분류)」의 2008년 이전 자료는 「가계동향조사(구분류)」 자료와는 다소 차이가 있음

자료 : 통계청

4-8. Average Monthly Income and Expenditure per Household for Salary and Wage Earners' Households in Urban

Unit : thou.won

소비지출								
가정용품·가사서비스	보건	교통	통신	오락·문화	교육	음식·숙박	기타상품·서비스	
35.58	36.27	47.25	12.19	35.95	43.21	50.63	40.56	1990
43.42	44.53	58.49	14.18	44.44	53.71	62.72	51.37	1991
46.03	52.76	71.80	16.12	51.95	70.83	75.34	61.00	1992
47.44	56.78	85.20	18.27	56.50	77.96	89.14	68.53	1993
50.21	59.23	113.18	20.89	62.43	86.87	109.07	80.62	1994
51.69	63.08	128.88	25.01	69.79	105.44	128.56	91.40	1995
55.90	70.35	154.91	29.80	79.04	125.91	151.59	108.67	1996
53.36	72.93	164.32	35.62	81.85	138.99	170.66	108.94	1997
43.86	67.78	147.15	43.50	68.50	128.00	135.10	105.05	1998
49.35	78.40	182.91	57.72	81.12	145.76	166.58	111.56	1999
52.67	79.07	194.00	76.45	93.64	163.93	199.57	118.92	2000
62.25	86.73	208.14	98.06	95.38	179.39	218.00	131.38	2001
66.21	94.40	209.19	112.87	96.85	187.71	230.46	137.14	2002
61.56	100.31	215.59	128.12	110.13	203.14	257.69	141.74	2003
63.00	102.42	229.01	134.37	108.12	220.90	284.61	156.41	2004
72.96	113.02	244.41	135.11	111.94	234.42	288.92	168.93	2005
76.16	117.39	262.25	136.51	115.80	244.68	293.19	182.71	2006
80.96	123.56	280.32	139.09	121.74	268.39	307.19	190.58	2007
78.38	131.53	293.91	138.49	124.06	319.76	327.79	200.91	2008
83.85	142.34	290.97	136.07	123.35	325.04	313.52	201.32	2009
93.97	151.10	293.85	142.48	139.92	332.08	325.71	219.70	2010
95.63	159.99	303.61	146.87	144.35	327.69	335.45	235.13	2011
101.81	164.02	326.79	158.45	151.94	320.66	346.89	226.07	2012
109.57	163.46	333.89	159.35	151.48	319.81	359.53	213.24	2013
115.96	173.79	364.65	157.12	160.00	316.04	371.25	224.70	2014
112.32	174.72	336.38	153.44	163.00	322.97	379.33	226.05	2015
119.65	180.39	330.72	150.52	163.82	333.66	391.03	230.89	2016
Household equipement and houskeeping services	Health	Transportation	Communication	Entertainment and culture	Education	Restaurants and hotels	Other miscellaneous goods and services	
Expenditure								

Note : The classification of data items for income and expenditure was revised in 2009 Therefore, the data may not be consistent with data by the old classification
Source : Statistics Korea

4-9. 도시 가구의 가구당 월평균 가계수지

단위 : 천원

	소득	소비지출	식료품·비주류음료	주류·담배	의류·신발	주거·수도·광열
1990	938.13	603.13	160.43	9.19	59.28	60.35
1991	1,147.96	719.21	186.31	9.84	69.19	70.72
1992	1,337.91	826.40	201.27	10.90	78.24	83.27
1993	1,444.81	896.48	204.34	11.38	81.15	89.62
1994	1,658.29	1,009.04	224.64	13.44	90.88	94.02
1995	1,871.06	1,125.17	232.15	14.39	103.71	101.08
1996	2,095.55	1,269.18	251.21	16.00	111.90	113.59
1997	2,210.86	1,330.27	251.32	17.93	105.19	121.52
1998	1,967.91	1,176.78	225.57	17.48	76.13	128.05
1999	2,031.68	1,334.32	245.02	19.98	87.77	135.99
2000	2,220.78	1,483.85	248.74	20.97	100.24	151.52
2001	2,426.15	1,600.39	250.64	22.68	107.34	173.65
2002	2,591.85	1,669.68	256.17	23.03	112.50	171.90
2003	2,711.68	1,757.05	259.26	22.84	118.00	172.73
2004	2,868.32	1,848.71	273.68	25.72	116.97	178.20
2005	2,972.92	1,925.60	276.86	28.06	123.28	188.30
2006	3,116.92	1,997.45	279.77	29.18	127.87	197.03
2007	3,283.17	2,072.59	282.42	28.36	133.15	200.30
2008	3,489.37	2,179.61	304.59	27.72	136.58	211.22
2009	3,468.81	2,179.88	301.40	26.13	134.02	214.31
2010	3,670.14	2,312.54	319.70	27.37	148.22	232.14
2011	3,893.67	2,404.26	341.08	27.86	158.82	243.52
2012	4,126.77	2,485.25	351.26	27.91	168.66	257.78
2013	4,203.33	2,507.01	350.53	27.84	171.46	269.29
2014	4,334.99	2,566.90	351.93	27.21	170.09	266.27
2015	4,404.87	2,577.38	354.25	32.64	163.01	280.49
2016	4,426.75	2,572.56	348.83	34.28	158.43	276.89
	Income	Expenditure	Food and non-alcoholic beverage	Alcoholic beverages and cigarette	Clothing and footwear	Housing, water, electricity, gas and other fuels

주 : 2009년 소득 및 지출부문의 항목분류 개편으로 「가계동향조사(신분류)」의 2008년 이전 자료는 「가계동향조사(구분류)」 자료와는 다소 차이가 있음

자료 : 통계청

4-9. Average Monthly Income and Expenditure per Household for All Households in Urban

Unit : thou.won

소비지출								
가정용품·가사서비스	보건	교통	통신	오락·문화	교육	음식·숙박	기타상품·서비스	
36.06	37.70	47.72	13.14	37.60	49.65	49.34	42.68	1990
43.21	45.34	58.90	15.01	46.42	61.00	60.74	52.55	1991
45.87	53.62	69.99	17.12	52.25	77.76	73.54	62.58	1992
47.56	57.37	85.34	19.41	57.26	85.32	87.16	70.55	1993
51.42	60.99	106.22	22.06	63.21	95.47	105.75	80.95	1994
53.11	65.86	123.47	27.17	71.41	114.87	125.29	92.66	1995
56.59	73.35	142.28	32.31	81.42	134.52	147.93	108.08	1996
55.15	74.53	157.61	38.75	82.82	147.33	166.20	111.91	1997
43.55	66.93	137.01	45.27	66.61	136.78	131.13	102.29	1998
47.83	76.41	167.12	58.65	78.96	148.93	156.79	110.86	1999
51.51	81.66	185.79	77.68	90.91	166.18	188.21	120.46	2000
62.07	86.39	192.24	97.36	92.86	182.49	204.00	128.68	2001
63.05	95.11	202.08	111.58	93.22	188.34	215.73	136.97	2002
59.94	99.80	202.94	128.70	104.63	201.02	244.47	142.75	2003
63.15	103.94	213.94	134.52	102.42	217.42	265.12	153.63	2004
68.35	112.10	228.94	134.72	106.10	227.13	268.03	163.73	2005
70.35	120.81	245.66	134.67	108.82	237.14	270.85	175.30	2006
77.74	128.84	253.15	136.81	112.70	255.61	281.91	181.62	2007
75.18	132.01	266.02	136.15	113.69	289.41	299.19	187.85	2008
77.84	142.95	265.56	132.29	114.20	300.71	284.88	185.59	2009
88.32	152.61	268.66	138.60	129.56	306.87	296.11	204.38	2010
89.60	157.57	283.68	143.01	131.85	303.71	306.16	217.41	2011
94.89	160.54	298.61	152.56	137.97	298.71	319.12	217.25	2012
101.02	165.46	306.50	152.53	141.06	292.36	327.01	201.97	2013
104.17	170.25	331.35	150.36	149.43	290.76	340.57	214.50	2014
104.05	175.27	317.50	147.00	151.70	290.73	345.81	214.96	2015
110.56	178.95	304.39	144.03	151.08	294.23	350.72	220.17	2016
Household equipement and houskeeping services	Health	Transportation	Communication	Entertainment and culture	Education	Restaurants and hotels	Other miscellaneous goods and services	
Expenditure								

Note : The classification of data items for income and expenditure was revised in 2009 Therefore, the data may not be consistent with data by the old classification
Source : Statistics Korea

4-10. 에너지 다소비 업종의 주요제품 생산량

단위 : 천 M/T

	나프타(kℓ)	에틸렌	프로필렌	부타디엔	벤젠
1990	5,642,031	1,054	608	168	381
1991	8,433,318	1,566	855	205	561
1992	10,375,340	2,769	1,482	376	964
1993	10,410,586	3,273	1,808	486	1,139
1994	10,806,329	3,667	2,085	547	1,255
1995	14,759,076	3,720,913	2,131,366	555,301	1,284,573
1996	16,432,946	3,967,575	2,244,393	600,759	1,406,646
1997	21,968,409	4,450,014	2,760,375	658,297	1,818,634
1998	21,766,594	5,109,965	3,246,916	730,898	2,412,217
1999	21,688,130	5,216,446	3,281,681	763,649	2,572,464
2000	21,749,026	5,438,736	3,409,256	808,014	2,834,218
2001	20,839,365	5,397,861	3,272,585	777,017	2,650,127
2002	18,747,831	5,636,344	3,556,797	815,959	2,852,494
2003	21,182,699	5,871,836	3,753,194	859,896	3,245,674
2004	24,528,586	5,944,704	3,891,762	917,217	3,462,155
2005	26,793,393	6,058,200	3,945,064	938,969	3,593,602
2006	25,055,270	6,054,945	4,170,642	948,302	3,718,609
2007	26,092,499	6,787,826	4,669,260	1,077,935	4,065,240
2008	24,357,810	6,989,337	4,772,052	1,071,510	4,005,882
2009	24,092,774	7,349,232	5,204,538	1,096,710	4,074,958
2010	26,551,189	7,289,944	5,578,404	1,160,945	4,411,768
2011	30,479,843	7,418,878	5,633,825	1,209,866	4,461,974
2012	31,329,206	8,075,418	6,128,347	1,345,833	4,741,340
2013	29,925,524	8,291,232	6,451,914	1,319,366	4,850,476
2014	33,766,163	8,287,643	6,604,024	1,227,538	5,403,074
2015	36,559,071	8,272,740	7,060,036	1,201,685	5,937,072
2016	38,089,004	8,504,391	7,932,506	1,226,112	5,901,713
	Naphtha(kℓ)	Ethylene	Propylene	Butadiene	Benzene

자료 : 통계청, 한국철강협회

4-10. Principal products of Large Energy Consumption Industry

Unit : thou.M/T

톨루엔	자일렌	시멘트(천 톤)	선철	조강	
407	-	33,914	15,339	23,125	1990
569	-	39,167	18,510	26,001	1991
774	-	44,444	19,323	28,055	1992
860	-	47,313	21,777	33,026	1993
954	-	52,088	21,169	33,745	1994
979,095	-	56,101	22,344	36,772	1995
1,110,862	-	58,434	23,010	38,903	1996
1,294,312	-	60,317	22,712	42,554	1997
1,207,183	-	46,791	23,299	39,896	1998
1,345,830	-	48,579	23,329	41,042	1999
1,585,760	2,699,152	51,417	24,937	43,107	2000
1,855,613	1,915,403	53,062	25,898	43,852	2001
1,913,491	1,525,137	56,823	26,570	45,390	2002
1,857,718	1,701,603	60,725	27,314	46,310	2003
1,727,408	1,719,380	56,955	27,556	47,521	2004
1,587,475	1,736,851	52,224	27,309	47,820	2005
1,764,694	2,178,318	55,021	27,559	48,455	2006
1,797,489	2,462,384	58,188	29,437	51,517	2007
1,670,689	2,140,179	56,010	31,043	53,625	2008
1,885,486	2,682,417	53,826	27,284	48,572	2009
1,837,467	2,764,587	50,695	35,065	58,914	2010
1,815,074	2,483,524	52,004	42,213	68,519	2011
2,009,988	1,885,323	52,613	41,734	69,073	2012
1,925,916	2,150,948	53,818	41,045	66,061	2013
1,809,689	2,047,516	52,490	46,909	71,543	2014
1,919,585	1,780,078	56,212	47,639	69,670	2015
2,021,462	1,751,076	61,551	46,336	68,576	2016
Toluene	Xylene	Cement(thou. ton)	Pig Iron	Crude Steel	

Source : Statistics Korea, Korea Iron & Steel Association

4-11. 자동차 등록대수

단위 : 대

	합계	승용차				승합차	
			관용	자가용	영업용		관용
1990	3,394,803	2,074,922	13,524	1,902,067	159,331	383,738	6,120
1991	4,247,816	2,727,852	14,399	2,538,842	174,611	427,650	6,828
1992	5,230,894	3,461,057	15,582	3,256,931	188,544	483,575	7,709
1993	6,274,008	4,271,253	14,873	4,061,240	195,140	527,958	8,039
1994	7,404,347	5,148,713	13,933	4,930,238	204,542	582,069	8,462
1995	8,468,901	6,006,290	13,773	5,777,957	214,560	612,584	9,217
1996	9,553,092	6,893,633	13,740	6,653,422	226,471	663,011	9,890
1997	10,413,427	7,586,474	15,267	7,335,413	235,794	719,127	10,157
1998	10,469,599	7,580,926	15,181	7,323,555	242,190	749,320	10,373
1999	11,163,728	7,837,206	15,079	7,566,777	255,350	993,169	10,815
2000	12,059,276	8,083,926	15,384	7,798,452	270,090	1,427,221	11,225
2001	12,914,115	8,889,327	15,836	8,587,556	285,935	1,257,008	11,186
2002	13,949,440	9,737,428	16,724	9,414,360	306,344	1,275,319	11,319
2003	14,586,795	10,278,923	17,361	9,941,907	319,655	1,246,629	11,488
2004	14,934,092	10,620,557	17,933	10,273,673	328,951	1,204,313	11,606
2005	15,396,715	11,122,199	18,932	10,759,393	343,874	1,124,645	11,914
2006	15,895,234	11,606,971	19,817	11,219,435	367,719	1,105,636	12,358
2007	16,428,177	12,099,779	20,714	11,674,085	404,980	1,104,949	12,650
2008	16,794,219	12,483,809	21,388	12,025,715	436,706	1,096,698	13,269
2009	17,325,210	13,023,819	22,267	12,551,833	449,719	1,080,687	14,177
2010	17,941,356	13,631,769	22,872	13,124,972	483,925	1,049,725	15,039
2011	18,437,373	14,136,478	24,244	13,601,821	510,413	1,015,391	15,667
2012	18,870,533	14,577,193	25,295	14,010,618	541,280	986,833	16,428
2013	19,400,864	15,078,354	25,409	14,459,653	593,292	970,805	17,270
2014	20,117,955	15,747,171	26,521	15,060,131	660,519	947,012	18,123
2015	20,989,885	16,561,665	27,004	15,807,517	727,144	920,320	19,079
2016	21,803,351	17,338,160	27,750	16,505,364	805,046	892,539	20,260
	Total	Car	Government	Private	Commercial	Bus	Government

주 : 합계에는 특수차 포함
자료 : 국토교통부

4-11. Number of Cars Registered

Unit : each

자가용	영업용	화물차	관용	자가용	영업용	
332,298	45,320	924,647	13,830	800,908	109,909	1990
373,187	47,635	1,077,467	16,174	943,470	117,823	1991
424,973	50,893	1,261,522	16,556	1,122,883	122,083	1992
467,074	52,845	1,448,634	17,695	1,302,755	128,184	1993
517,748	55,859	1,644,646	19,129	1,489,834	135,683	1994
544,066	59,301	1,816,582	20,472	1,646,664	149,446	1995
589,766	63,355	1,962,564	21,334	1,776,024	165,206	1996
644,206	64,764	2,072,256	22,444	1,873,938	175,874	1997
672,872	66,075	2,104,683	22,219	1,905,822	176,642	1998
910,729	71,625	2,298,116	21,584	2,066,521	210,011	1999
1,338,327	77,669	2,510,992	21,616	2,245,679	243,697	2000
1,165,374	80,448	2,728,405	22,527	2,433,920	271,958	2001
1,181,480	82,520	2,894,412	23,162	2,569,427	301,823	2002
1,153,511	81,630	3,016,407	24,092	2,677,451	314,864	2003
1,111,979	80,728	3,062,314	24,638	2,716,572	321,104	2004
1,030,763	81,968	3,102,171	24,480	2,755,991	321,700	2005
1,007,723	85,555	3,133,201	24,855	2,781,552	326,794	2006
999,807	92,492	3,171,351	25,230	2,811,537	334,584	2007
987,448	95,981	3,160,338	25,535	2,796,092	338,711	2008
967,890	98,620	3,166,512	25,970	2,798,797	341,745	2009
931,740	102,946	3,203,808	26,306	2,831,697	345,805	2010
893,717	106,007	3,226,421	26,680	2,848,544	351,197	2011
860,074	110,331	3,243,924	27,177	2,862,737	354,010	2012
837,173	116,362	3,285,707	27,768	2,890,373	367,566	2013
806,177	122,712	3,353,683	28,321	2,946,779	378,583	2014
776,127	125,114	3,432,937	29,052	3,020,822	383,063	2015
746,360	125,919	3,492,173	29,834	3,072,915	389,424	2016
Private	Commercial	Truck	Government	Private	Commercial	

Note : Total includes special cars
Source : Ministry of Land, Infrastructure and Transport

4-12. 여객 수송 실적

	국내									
	합계		철도		지하철		공로		해운	
	(천인)	(백만인㎞)	(천인)	(백만인㎞)	(천인)	(백만인㎞)	(천인)	(백만인㎞)	(천인)	(백만인㎞)
1990	14,572,648	135,335	644,814	29,864	1,186,633	11,229	12,721,877	89,712	8,260	520
1991	14,976,846	138,029	679,281	33,470	1,422,615	11,891	12,854,212	87,697	8,485	524
1992	15,134,681	136,667	716,364	34,787	1,546,279	12,970	12,848,750	83,152	8,733	525
1993	14,440,076	130,838	723,057	33,693	1,576,040	13,168	12,117,439	77,998	7,990	468
1994	13,962,798	127,819	729,003	31,912	1,603,945	14,823	11,603,575	74,167	7,869	436
1995	13,802,602	125,233	790,381	29,292	1,693,003	15,709	11,289,507	72,324	8,702	502
1996	14,061,115	125,907	819,542	29,580	1,728,171	14,621	11,480,422	72,871	9,413	547
1997	13,611,159	122,170	832,999	30,073	1,855,166	13,737	10,887,456	68,737	9,899	571
1998	13,479,623	116,183	829,050	28,576	1,838,870	13,443	10,783,922	66,853	8,277	434
1999	13,325,621	129,535	823,563	28,606	2,015,999	18,245	10,455,862	74,636	9,052	543
2000	13,515,283	132,841	837,268	28,528	2,235,221	21,030	10,410,577	74,572	9,702	672
2001	13,266,624	151,836	850,971	28,882	2,527,099	30,269	9,857,403	84,256	9,340	555
2002	12,678,405	138,228	851,716	27,492	2,012,386	24,436	9,783,595	77,925	9,460	565
2003	12,313,293	136,741	894,621	27,228	1,982,192	23,755	9,404,764	77,200	10,336	620
2004	12,153,843	143,774	921,223	28,459	2,033,519	24,291	9,169,560	83,217	10,648	657
2005	11,801,453	153,568	950,995	31,004	2,020,360	23,637	8,801,840	91,665	11,100	668
2006	12,092,608	160,740	969,145	31,416	2,079,961	24,110	9,108,648	97,854	11,574	709
2007	12,627,826	182,590	989,294	31,596	2,090,290	24,134	9,301,810	119,569	12,634	765
2008	12,990,411	168,425	1,018,977	32,027	2,141,872	24,740	9,798,410	104,142	14,162	873
2009	12,958,911	164,576	1,020,319	31,299	2,181,387	24,190	9,724,316	101,114	14,868	867
2010	12,867,138	171,946	1,060,941	33,012	2,273,087	25,369	9,498,586	104,671	14,308	883
2011	29,455,705	416,348	1,118,621	36,784	2,358,758	26,260	25,943,079	343,928	14,266	981
2012	29,579,409	429,927	1,151,523	42,493	2,410,931	27,586	25,982,998	350,217	14,538	921
2013	30,067,308	437,964	1,224,820	38,531	2,476,394	27,822	26,327,678	361,696	16,063	1,012
2014	30,507,071	-	1,263,472	39,500	2,526,167	28,360	26,678,513	360,936	14,271	756
2015	-	-	1,269,417	40,343	-	-	6,213,735	118,752	15,381	757
	(thou.Passenger)	(mil. Pass-km)	(thou.Passenger)	(mil. Pass-km)	(thou.Passenger)	(mil. Pass-km)	(thou.Passenger)	(mil. Pass-km)	(thou.Passenger)	(mil. Pass-km)
	Total		Railway		Subway		Road		Shipping	
	Domestic									

주 : 2011년부터 공로에 승용차 통계 포함
자료 : 국토교통부

4-12. Passenger Traffic

		국외						
항공		합계		해운		항공		
(천인)	(백만인㎞)	(천인)	(백만인㎞)	(천인)	(백만인㎞)	(천인)	(백만인㎞)	
11,064	4,011	9,862	36,490	236	84	9,626	36,405	1990
12,253	4,447	10,606	38,634	335	113	10,271	38,521	1991
14,555	5,233	11,595	45,350	338	130	11,257	45,219	1992
15,550	5,511	11,947	47,739	296	112	11,651	47,627	1993
18,406	6,481	13,487	54,318	411	163	13,076	54,155	1994
21,009	7,406	14,998	61,749	395	136	14,603	61,613	1995
23,567	8,288	16,515	70,688	523	198	15,992	70,490	1996
25,639	9,052	17,162	74,588	564	214	16,598	74,375	1997
19,504	6,877	14,642	55,935	538	200	14,104	55,736	1998
21,145	7,505	17,555	65,233	805	299	16,750	64,934	1999
22,515	8,039	20,451	76,314	999	398	19,452	75,916	2000
21,811	7,873	21,350	77,072	999	401	20,351	76,671	2001
21,248	7,809	23,792	84,825	1,075	459	22,717	84,366	2002
21,380	7,938	22,712	74,829	1,253	535	21,459	74,293	2003
18,893	7,151	28,311	90,146	1,380	714	26,931	89,432	2004
17,158	6,594	31,506	95,927	1,822	857	29,684	95,071	2005
17,181	6,651	34,812	105,132	2,105	992	32,707	104,140	2006
16,848	6,526	39,252	115,790	2,385	1,019	36,867	114,771	2007
16,990	6,643	39,260	115,950	3,919	1,030	35,341	114,920	2008
18,061	7,105	35,603	110,048	2,089	845	33,514	109,203	2009
20,981	8,011	42,831	128,864	2,770	1,104	40,061	127,760	2010
21,602	8,395	45,351	141,187	2,702	1,188	42,649	139,999	2011
21,602	8,709	50,584	155,188	2,881	1,163	47,703	154,025	2012
22,353	9,093	53,724	163,870	2,737	-	50,987	163,870	2013
24,648	9,497	59,425	173,643	2,646	-	56,779	173,643	2014
27,980	10,707	64,051	187,737	2,617	-	61,434	187,737	2015
(thou. Passenger)	(mil. Pass-㎞)	(thou. Passenger)	(mil. Pass-㎞)	(thou. Passenger)	(mil. Pass-㎞)	(thou. Passenger)	(mil. Pass-㎞)	
Aviation		Total		Shipping		Aviation		
		International						

Note : Road includes cars from 2011
Source : Ministry of Land, Infrastructure and Transport

4-13. 화물 수송 실적

	국내							
	합계		철도		공로		해운	
	(천 톤)	(백만 톤-킬로)	(천 톤)	(백만 톤-킬로)	(천 톤)	(백만 톤-킬로)	(천 톤)	(백만 톤-킬로)
1990	337,145	44,187	57,922	13,663	215,125	9,325	63,915	21,127
1991	382,664	49,840	61,215	14,494	245,126	10,530	76,124	24,737
1992	410,888	61,722	58,768	14,256	266,009	11,364	85,869	36,008
1993	446,087	66,194	60,167	14,658	289,450	12,666	96,196	38,765
1994	521,697	64,567	57,866	14,070	345,831	15,446	117,694	34,935
1995	595,272	76,110	57,469	13,838	408,368	18,213	129,112	43,936
1996	621,243	78,647	53,527	12,947	426,414	19,114	140,951	46,452
1997	700,344	80,377	53,828	12,710	499,083	22,219	147,046	45,299
1998	567,023	53,361	43,345	10,372	408,136	9,387	115,179	33,462
1999	567,343	53,149	42,081	10,072	401,177	9,227	123,692	33,699
2000	676,315	60,680	45,240	10,803	496,174	11,412	134,467	38,298
2001	721,822	59,424	45,122	10,492	535,725	12,322	140,544	36,443
2002	772,445	62,400	45,733	10,784	584,573	13,275	141,706	38,171
2003	758,316	58,113	47,110	11,057	565,456	13,005	145,327	33,884
2004	679,413	49,190	44,512	10,641	518,856	12,545	115,636	25,840
2005	687,451	36,849	41,669	10,108	526,000	-	119,410	26,590
2006	690,779	37,176	43,341	10,554	529,278	-	117,805	26,478
2007	715,221	39,054	44,562	10,927	550,264	-	120,079	27,998
2008	729,824	41,259	46,805	11,566	555,801	-	126,964	29,590
2009	766,677	34,633	38,898	9,273	607,480	-	120,031	25,249
2010	783,234	32,840	39,217	9,452	619,530	-	119,022	23,281
2011	1,605,506	141,808	40,012	9,997	1,439,625	104,476	110,135	27,220
2012	1,727,985	118,745	40,309	10,271	1,568,354	108,365	119,057	25,804
2013	1,704,342	-	39,822	10,459	1,546,407	118,582	117,860	30,476
2014	1,668,283	-	37,379	9,564	1,512,701	124,650	117,920	29,848
2015	-	-	37,094	-	-	-	128,611	-
	(thou. ton)	(mil. ton-㎞)	(thou. ton)	(mil. ton-㎞)	(thou. ton)	(mil. ton-㎞)	(thou. ton)	(mil. ton-㎞)
	Total		Railway		Road		Shipping	
	Domestic							

주 : 2011년부터 공로에 승용차 통계 포함
자료 : 국토교통부

4-13. Freight Traffic

		국제						
항공		합계		해운		항공		
(천 톤)	(백만 톤-킬로)	(천 톤)	(백만 톤-킬로)	(천 톤)	(백만 톤-킬로)	(천 톤)	(백만 톤-킬로)	
183	72	220,558	1,838,205	219,781	1,833,650	777	4,555	1990
200	79	263,760	2,173,052	262,972	2,168,582	787	4,470	1991
242	94	286,411	2,462,113	285,573	2,457,145	837	4,968	1992
273	105	317,823	2,774,579	316,872	2,768,396	951	6,183	1993
306	116	354,541	2,888,688	353,428	2,881,696	1,112	6,992	1994
323	123	405,714	3,271,813	404,424	3,263,717	1,291	8,096	1995
351	134	442,551	3,584,789	441,120	3,575,745	1,431	9,043	1996
387	149	486,661	4,180,755	485,030	4,170,203	1,631	10,552	1997
363	140	476,223	4,224,639	474,752	4,215,379	1,471	9,260	1998
393	151	533,903	4,681,052	532,183	4,670,305	1,719	10,747	1999
434	167	571,549	4,375,042	569,599	4,362,779	1,949	12,263	2000
431	168	612,774	-	610,910	-	1,864	11,159	2001
433	170	660,387	-	635,545	-	2,077	12,436	2002
423	166	675,536	-	667,608	-	2,209	11,529	2003
409	164	735,946	-	733,377	-	2,569	-	2004
372	151	757,553	-	754,936	-	2,617	-	2005
355	145	812,684	-	809,830	-	2,854	-	2006
316	129	865,661	-	862,523	-	3,138	-	2007
254	103	895,933	-	892,936	-	2,997	-	2008
268	111	851,170	-	848,298	-	2,872	-	2009
262	107	969,520	-	966,193	-	3,327	-	2010
281	115	1,068,331	-	1,065,093	-	3,238	-	2011
265	109	1,111,747	-	1,108,538	-	3,209	-	2012
253	104	1,126,451	-	1,123,205	-	3,246	-	2013
283	111	1,188,052	-	1,184,641	-	3,411	-	2014
288	112	1,220,301	-	1,216,782	-	3,519	-	2015
(thou. ton)	(mil. ton-km)	(thou. ton)	(mil. ton-km)	(thou. ton)	(mil. ton-km)	(thou. ton)	(mil. ton-km)	
Aviation		Total		Shipping		Aviation		
		International						

Note : Road includes cars from 2011
Source : Ministry of Land, Infrastructure and Transport

4-14. 소비자 물가지수

2015=100.0

	총지수	식료품·비주류음료	주류 및 담배	의류 및 신발	주택·수도·전기 및 연료	광열	가정용품 및 가사 서비스	보건
1990	40.6	32.0	27.1	49.1	39.4	30.2	60.4	47.9
1991	44.4	35.5	28.0	51.8	43.8	32.6	63.7	50.9
1992	47.1	37.4	29.5	55.0	47.0	34.8	65.8	52.6
1993	49.4	38.5	31.2	56.8	49.5	36.0	67.9	54.0
1994	52.5	42.5	34.3	58.2	51.5	36.8	70.3	56.0
1995	54.8	43.8	35.0	59.2	53.7	37.6	71.6	59.0
1996	57.5	45.1	38.3	59.9	56.2	40.3	73.0	61.7
1997	60.1	46.9	40.8	60.9	59.1	44.6	73.3	64.3
1998	64.6	51.6	43.4	63.3	63.4	55.9	77.5	67.7
1999	65.1	53.9	46.2	64.4	61.5	53.4	76.5	68.7
2000	66.6	54.4	46.6	65.4	63.7	60.4	74.6	73.7
2001	69.3	57.2	48.9	67.3	67.5	66.6	76.0	82.1
2002	71.2	59.9	52.5	69.4	69.4	63.0	76.7	81.7
2003	73.7	62.7	54.0	71.9	72.3	66.1	78.3	83.5
2004	76.3	67.8	54.6	72.1	74.7	69.7	78.9	84.7
2005	78.4	69.9	62.7	72.8	76.1	73.9	79.3	86.6
2006	80.2	70.2	62.6	74.8	78.3	79.7	79.5	88.3
2007	82.2	72.0	62.8	76.8	80.0	81.6	81.6	89.8
2008	86.1	75.6	63.1	78.7	83.5	88.4	85.1	91.5
2009	88.5	81.3	63.9	82.7	84.4	87.9	88.9	93.5
2010	91.1	86.5	64.1	85.1	86.4	91.3	89.2	95.2
2011	94.7	93.6	64.6	88.0	90.3	97.2	92.5	96.8
2012	96.8	97.3	65.6	92.2	94.5	102.2	95.2	97.7
2013	98.0	98.1	66.7	94.9	97.8	106.7	95.4	98.1
2014	99.3	98.4	66.6	98.7	100.6	110.6	97.5	98.8
2015	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2016	101.0	102.3	100.7	101.8	99.2	89.1	101.6	101.0
	Total item	Food & nonalcoholic beverages	Alcoholic beverages & cigarettes	Clothing & footwear	Housing water & fuels	Electricity, gas & other fuels	Furnishings & household equipment	Health

자료 : 통계청

4-14. Consumer Price Indexs

2015=100.0

교통	교통수단 이용료	통신	오락 및 문화	교육	음식 및 숙박	기타상품 및 서비스	
32.0	18.3	153.2	76.1	26.7	37.3	42.4	1990
35.5	21.3	147.8	78.9	29.5	44.6	44.9	1991
38.8	24.2	147.5	80.9	32.6	49.2	46.6	1992
42.2	28.0	146.6	84.4	36.0	51.9	48.5	1993
45.4	32.2	143.0	86.5	39.4	55.4	50.3	1994
48.2	35.4	139.7	89.7	44.7	58.5	52.0	1995
51.8	39.0	139.1	93.1	49.7	61.8	55.0	1996
56.8	41.5	135.0	94.0	53.3	63.9	57.5	1997
66.3	49.1	134.8	97.2	55.2	67.1	62.7	1998
67.9	50.3	134.1	97.1	55.9	66.5	61.3	1999
70.9	53.0	131.0	96.1	58.8	67.1	62.1	2000
73.7	56.9	126.9	95.8	61.4	68.3	64.6	2001
74.4	58.9	121.2	96.4	64.9	70.6	66.7	2002
77.4	63.5	114.9	96.8	68.7	73.2	68.4	2003
80.1	66.8	113.1	96.7	72.5	75.9	69.8	2004
84.1	72.2	111.1	96.8	75.6	77.7	70.8	2005
88.0	74.5	109.6	94.5	79.2	79.3	74.4	2006
91.2	79.6	107.4	92.9	84.0	80.7	78.1	2007
99.2	81.4	105.9	94.2	88.6	84.6	85.2	2008
95.7	82.8	105.7	96.4	90.8	87.8	91.0	2009
100.4	84.4	104.7	97.3	92.8	89.9	94.2	2010
107.4	87.0	103.0	98.8	94.4	93.7	97.2	2011
110.9	92.6	100.4	99.0	95.8	94.9	94.1	2012
110.3	95.3	100.3	100.1	96.9	96.3	94.5	2013
108.5	97.2	100.2	100.5	98.3	97.7	97.4	2014
100.0	100.0	100.0	100.0	100.0	100.0	100.0	2015
97.8	103.0	100.1	101.8	101.6	102.5	103.4	2016
Transportation	Transport services	Communication	Culture & recreation	Education	Eating out & accomodation	Miscellaneous goods & services	

Source : Statistics Korea

4-15. 생산자 물가지수

2010=100.0

	총지수	상품	농림수산품	광산품	공산품	전력, 가스 및 수도	서비스	음식점 및 숙박	운수
1990	56.4	55.7	43.4	43.6	58.2	46.2	-	-	-
1991	59.0	58.3	48.6	47.4	60.4	46.9	-	-	-
1992	60.3	59.6	50.3	48.1	61.5	50.1	-	-	-
1993	61.2	60.5	51.1	48.1	62.3	50.8	-	-	-
1994	62.9	62.1	57.4	49.3	63.3	51.0	-	-	-
1995	65.8	65.0	59.5	49.3	66.4	52.8	67.9	69.1	55.8
1996	67.9	66.4	60.5	49.8	67.8	54.1	72.6	76.7	59.0
1997	70.5	68.5	61.6	50.5	70.0	56.7	76.7	81.2	61.6
1998	79.1	77.9	64.0	54.6	80.3	64.6	82.6	83.0	71.7
1999	77.5	76.2	70.5	55.3	77.6	64.9	81.1	83.9	71.4
2000	79.1	77.9	68.6	56.6	79.4	70.5	82.4	87.6	73.9
2001	78.7	77.0	71.2	57.2	77.7	76.4	83.4	93.5	75.8
2002	78.5	75.9	73.0	61.9	76.4	73.9	85.3	99.1	78.2
2003	80.2	77.5	77.2	62.7	77.7	76.1	87.2	99.1	81.2
2004	85.1	83.4	86.5	67.6	83.6	76.8	89.7	95.4	86.0
2005	86.9	85.5	83.3	72.2	86.3	77.7	90.9	94.9	86.9
2006	87.7	85.8	81.3	70.6	86.4	83.5	92.9	95.3	89.2
2007	88.9	86.7	83.5	75.5	87.1	86.4	95.0	95.6	91.5
2008	96.5	96.2	84.4	82.3	97.6	90.1	97.5	96.9	97.2
2009	96.3	95.6	91.8	90.2	95.9	96.1	98.3	98.0	99.0
2010	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2011	106.7	108.7	107.4	102.1	109.0	105.8	102.5	106.6	101.2
2012	107.5	108.9	108.3	105.7	108.6	113.7	104.2	109.4	103.7
2013	105.7	106.2	101.9	108.2	105.3	120.2	104.5	111.2	104.4
2014	105.2	104.8	102.5	110.5	103.1	126.6	106.1	113.2	106.0
2015	101.0	98.0	104.9	110.9	96.2	116.6	107.5	115.6	105.3
2016	99.1	94.7	111.0	115.3	92.8	106.9	108.8	118.8	105.7
	All Items	Goods	Agricultural, Forest & Marine Products	Mining Products	Manufacturing Products	Electric Power, Gas & Water Supply	Services	Accomodation & Services	Transportation

자료 : 한국은행

4-15. Producer Price Indexs

2010=100.0

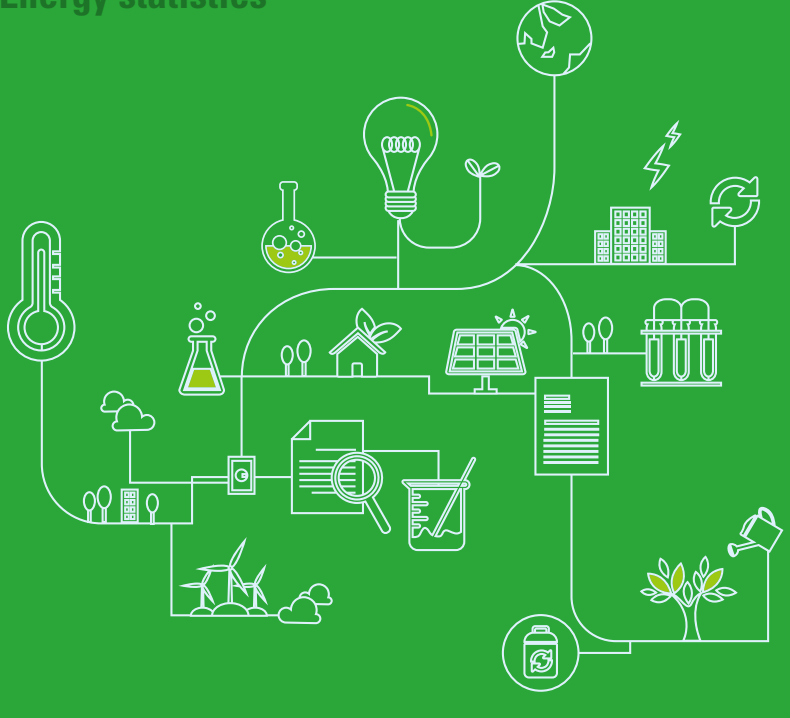
통신	정보, 출판 및 영상서비스	금융 및 보험	부동산	사업서비스	위생 및 자원 재활용 서비스	교육서비스	문화 및 오락서비스	기타 개인서비스	
-	-	-	-	-	-	-	-	-	1990
-	-	-	-	-		-	-	-	1991
-	-	-		-	-		-	-	1992
-	-	-	-	-	-	-	-	-	1993
-	-	-	-	-	-	-	-	-	1994
107.8	62.2	83.0	76.0	56.7	87.4	-	-	-	1995
108.4	69.4	83.9	79.6	63.2	104.0	-	-	-	1996
107.1	74.5	83.4	83.3	69.9	110.1	-	-	-	1997
109.6	77.1	81.0	84.1	77.2	102.5	-	-	-	1998
109.8	79.1	87.2	81.8	72.9	91.9	-	-	-	1999
109.1	81.5	87.1	81.7	73.6	100.4	-	-	-	2000
109.0	83.6	83.4	83.0	74.7	99.2	-	-	-	2001
107.2	87.5	86.0	85.0	76.7	101.1	-	-	-	2002
104.7	89.7	86.2	87.8	79.1	102.8	-	-	-	2003
103.5	89.9	90.9	89.7	82.2	104.6	-	-	-	2004
102.9	91.4	95.6	90.5	84.0	102.8	-	-	-	2005
102.7	93.4	102.3	91.5	86.3	103.1	-	-	-	2006
101.5	95.6	109.4	93.5	88.4	104.4	-	-	-	2007
100.7	97.2	101.3	96.2	94.3	105.5	-	-	-	2008
100.7	98.9	96.7	98.6	96.3	100.1	-	-	-	2009
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	2010
99.2	101.0	102.6	102.1	102.8	104.7	103.4	102.0	103.7	2011
98.6	101.1	99.6	104.5	105.0	109.0	108.0	103.1	106.9	2012
97.1	101.5	93.8	106.5	105.4	112.5	112.0	104.7	108.8	2013
97.6	103.9	94.8	108.1	106.1	118.5	114.6	106.7	111.3	2014
97.8	107.1	95.4	109.7	108.3	120.8	117.0	108.3	113.3	2015
97.6	108.5	93.2	111.5	110.5	130.7	119.4	110.1	115.2	2016
Telecommunication & Broadcasting	Information Publishing & Image Services	Financial & Insurance Activities	Real Estate Activities	Business Services	Sanitary & Resources Recycling Services	Education	Cultural Activities & Amusement Activities	Other Services	

Source : Bank of Korea

2017

자주 찾는 에너지 통계

Energy statistics



05 기타

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5-1. 에너지 다소비산업의 에너지절약실적 및 절약추진 현황

단위 : 천toe

		식품	섬유	제지·목재	화공
2011	사용량	1,100	991	1,757	20,394
	절감량	41	23	129	303
	절감률(%)	3.56	2.29	6.85	1.47
	투자비(억 원)	614	357	1,010	2,514
	융자	19	23	274	322
	자체	595	334	736	2,191
2012	사용량	1,118	1,000	1,723	2,111
	절감량	36	39	52	320
	절감률(%)	3.15	3.75	2.95	1.49
	투자비(억 원)	536	325	660	1,334
	융자	32	168	320	273
	자체	504	157	341	1,061
2013	사용량	1,135	961	1,507	22,056
	절감량	37	17	44	336
	절감률(%)	3.20	1.70	2.80	1.50
	투자비(억 원)	488	286	836	2,515
	융자	84	167	474	207
	자체	404	119	361	2,308
2014	사용량	1,137	909	1,377	22,416
	절감량	29	20	45	415
	절감률(%)	2.50	2.20	3.10	1.80
	투자비(억 원)	1,365	201	521	3,109
	융자	141	63	239	330
	자체	1,224	138	282	2,779
2015	사용량	1,168	901	1,293	23,259
	절감량	34	17	17	531
	절감률(%)	2.80	1.90	1.30	2.20
	투자비(억 원)	614	212	381	3,498
	융자	229	61	124	404
	자체	385	151	256	3,094
		Foods	Textiles	Paper·Lumber	Chemicals

자료 : 한국에너지공단, 2017 에너지 통계 핸드북

5-1. Energy Saving & Present Status for Energy Saving of Large Energy Consumption Industry

Unit : thou. toe

요업	금속	기타	합계		
5,312	34,629	14,210	78,393	Consumption	2011
64	529	220	1,310	Reduction	
1.20	1.50	1.53	1.64	Reduction Rate(%)	
245	2,245	1,072	8,056	Investment(100 mil. won)	
77	346	122	1,183	Loan	
168	1,899	950	6,873	Own	
5,262	34,303	15,044	79,561	Consumption	2012
130	639	181	1,397	Reduction	
2.40	1.83	1.19	1.73	Reduction Rate(%)	
1,384	3,115	1,132	8,486	Investment(100 mil. won)	
909	190	56	1,948	Loan	
475	2,925	1,076	6,538	Own	
5,347	33,903	15,656	80,565	Consumption	2013
155	665	181	1,436	Reduction	
2.80	1.90	1.10	1.80	Reduction Rate(%)	
915	4,139	1,812	10,990	Investment(100 mil. won)	
745	363	263	2,304	Loan	
169	3,776	1,549	8,686	Own	
5,435	37,667	18,412	87,354	Consumption	2014
150	517	196	1,373	Reduction	
2.70	1.40	1.10	1.50	Reduction Rate(%)	
1,147	6,658	1,628	14,629	Investment(100 mil. won)	
734	180	612	2,299	Loan	
414	6,478	1,016	12,330	Own	
5,558	37,988	19,824	89,990	Consumption	2015
149	469	193	1,411	Reduction	
2.60	1.20	1.00	1.50	Reduction Rate(%)	
372	4,696	1,400	11,173	Investment(100 mil. won)	
35	128	483	1,466	Loan	
337	4,568	917	9,707	Own	
Ceramic industry	Metal	Others	Total		

Souce: Korea Energy Agency, 2017 Energy Statistics Handbook

5-2. 에너지 사용량 신고업체 수

단위 : 개

	합계	산업			
		소계	식품	섬유	제지·목재
2007	2,763	1,874	207	197	107
2008	2,903	2,022	215	200	106
2009	2,860	1,990	215	187	108
2010	3,054	2,131	226	198	110
2011	3,178	2,257	223	206	112
2012	3,252	2,293	229	202	112
2013	3,594	2,562	261	200	111
2014	3,777	2,695	264	200	112
2015	4,393	274	189	113	588
	Total	Sub Total	Foods	Textiles	Paper·Lumber
		Industry			

자료 : 한국에너지공단, 2017 에너지 통계 핸드북

5-3. 에너지 사용량 신고업체 에너지 소비 현황(최종 에너지)

단위 : 천toe

	합계	산업			
		소계	식품	섬유	제지·목재
2007	59,855	57,809	1,116	929	1,673
2008	63,659	61,606	1,031	884	1,524
2009	59,844	57,796	1,021	945	1,454
2010	70,775	68,594	1,101	1,011	1,679
2011	80,550	78,393	1,100	991	1,757
2012	81,795	79,561	1,118	1,000	1,723
2013	82,872	80,565	1,135	961	1,507
2014	89,678	87,354	1,137	909	1,377
2015	95,724	89,990	1,168	901	1,293
	Total	Sub Total	Foods	Textiles	Paper·Lumber
		Industry			

자료 : 한국에너지공단, 2017 에너지 통계 핸드북

5-2. Number of Company for Energy Consumption Return

Unit : each

산업				건물	수송	발전	
화공	요업	금속	기타				
371	158	672	162	859		30	2007
405	161	763	172	851		30	2008
404	160	725	191	840		30	2009
440	164	785	208	889		34	2010
458	167	864	227	887		34	2011
469	168	876	237	925		34	2012
515	178	1,009	288	997		35	2013
560	178	1,070	311	1,044		38	2014
179	1,159	339	2,841	1,138	376	38	2015
Chemicals	Ceramic industry	Metal	Others	Building	Transport	Generation	
Industry							

Source : Korea Energy Agency, 2017 Energy Statistics Handbook

5-3. Status in Energy Consumption of Notified Company for Energy Consumption(Final Energy)

Unit : thou. toe

산업				건물	
화공	요업	금속	기타		
17,441	5,273	24,638	6,739	2,047	2007
18,436	5,345	26,554	7,832	2,052	2008
18,045	4,928	24,305	7,100	2,047	2009
18,854	5,095	29,966	10,888	2,181	2010
20,394	5,312	34,629	14,210	2,157	2011
21,111	5,262	34,303	15,044	2,234	2012
22,056	5,347	33,903	15,656	2,307	2013
22,416	5,435	37,667	18,412	2,324	2014
23,259	5,558	37,988	19,824	2,492	2015
Chemicals	Ceramic industry	Metal	Others	Building	
Industry					

Source : Korea Energy Agency, 2017 Energy Statistics Handbook

5-4. 에너지 및 자원사업 특별회계 자금지원 실적

	사업별 지원실적 (억 원)	집단 에너지 공급 (억 원)	에너지 절약시설 설치 (억 원)	신재생 에너지 보급 (억 원)	에너지 이용합리화 자금 기대효과	
					합계	
					에너지 절감량 (천 toe)	대기오염물질 저감량 (톤)
2004	5,159	1,870	2,789	500	444	259
2005	5,749	750	3,981	1,018	741	929
2006	6,868	1,955	4,296	617	808	1,832
2007	6,404	1,299	4,542	563	731	1,326
2008	6,963	1,000	5,400	563	769	1,487
2009	6,250	500	5,187	913	710	662
2010	11,148	-	5,118	1,118	659	-
2011	12,924	-	5,903	-	521	-
2012	-	-	5,143	-	555	-
2013	-	-	3,322	-	426	-
2014	-	-	2,482	-	438	-
2015	-	-	4,808	-	378	-
2016	-	-	4,590	-	361	-
	Support Record by Business (100 mil.Won)	Community Energy Supply (100 mil.Won)	Energy Saving Facilities (100 mil.Won)	Renewables Supply (100 mil.Won)	Enegy Reduction (thou.toe)	Air Pollutant Reduction(ton)
					Total	

주 : CO_2 저감량=에너지절감량×산업부문 에너지온실가스집약도(2,469tCO_2/toe)
자료 : 한국에너지공단, 2017 에너지 통계 핸드북

5-4. Record of Special Accounts Financial Support for Energy and Support Business

에너지 이용합리화 자금 기대효과						
합계	집단에너지 공급			에너지 절약시설 설치		
CO_2 저감량 (천 tCO_2)	에너지 절감량 (천 toe)	대기오염물질 저감량 (톤)	CO_2 저감량 (천 tCO_2)	에너지 절감량 (천 toe)	CO_2 저감량 (천 tCO_2)	
1,098	78	259	193	366	905	2004
1,830	134	929	332	607	1,498	2005
1,995	194	1,832	479	614	1,516	2006
1,805	132	1,326	327	599	1,478	2007
1,900	109	1,487	269	660	1,631	2008
1,754	58	662	144	652	1,610	2009
1,626	-	-	-	659	1,626	2010
1,133	-	-	-	521	1,133	2011
1,177	-	-	-	555	1,177	2012
1,179	-	-	-	426	1,179	2013
940	-	-	-	438	940	2014
933	-	-	-	378	933	2015
893	-	-	-	361	893	2016
CO_2 Reduction (thou.tCO_2)	Enegy Reduction (thou.toe)	Air Pollutant Reduction(ton)	CO_2 Reduction (thou.tCO_2)	Enegy Reduction (thou.toe)	CO_2 Reduction (thou.tCO_2)	
Total	Community Energy Supply			Installation of Energy saving facilities		
Rational Energy Utilization Funds Suppot Expectation Effect						

Note : CO_2 Reduction=Energy Reduction×Energy greenhouse gas intensity of industrial sector(2,469tCO_2/toe)
Source : Korea Energy Agency, 2017 Energy Statistics Handbook

5-5. 해외자원개발 현황

	05	06	07	08	09	10
□ 해외자원개발 사업수(누적)						
○ 석유·가스	141	166	209	244	275	301
〈진행사업〉	65	83	123	155	169	180
· 생산	25	26	34	43	51	53
· 개발	7	9	12	14	17	27
· 탐사(조사)	33	48	77	98	101	100
〈종료사업〉	76	83	86	89	106	121
○ 일반광물	179	203	246	317	376	419
〈진행사업〉	114	135	163	219	271	289
· 생산	25	31	33	41	47	57
· 개발	44	55	58	61	86	90
· 탐사(조사)	45	55	72	117	138	142
〈종료사업〉	65	68	83	98	105	130
□ 자주개발률(%)						
· 석유·가스	4.1	3.2	4.2	5.7	9.0	10.8
· 유연탄	22.2	38.0	37.7	37.9	43.7	48.3
· 우라늄	-	-	-	-	1.1	3.5
· 철	10.4	11.8	10.7	10.5	14.2	12.7
· 동	0.1	2.0	5.1	10.0	5.1	6.1
· 아연	31.5	31.0	32.7	27.6	33.8	34.5
· 니켈	-	-	26.1	25.7	32.6	37.6
□ 투자현황(백만$)						
· 총계	1,147	2,180	2,904	5,808	6,213	9,094
· 석유·가스	993	1,993	2,231	3,930	5,187	6,454
· 일반광물	154	187	673	1,878	1,026	2,640

자료 : 통계청(e-나라지표)

5-5. Status of Overseas Resources Development

11	12	13	14	15	16	
□ Number of business for overseas resources development(accumulation)						
341	359	367	372	376	378	ㅇ Oil·Gas
198	201	193	182	166	141	〈Ongoing Business〉
69	80	78	74	78	81	· Production
25	29	29	28	25	19	· Development
104	92	86	80	63	41	· Exploration(Investigation)
143	158	174	190	210	237	〈Expired Business〉
450	483	508	519	525	533	ㅇ General Mineral
307	331	343	345	334	335	〈Ongoing Business〉
68	67	75	75	74	78	· Production
89	105	110	109	108	107	· Development
150	159	158	161	152	150	· Exploration(Investigation)
143	152	165	174	191	198	〈Closed Business〉
□ Self-Development Ratio(%)						
13.7	13.8	13.6	14.4	15.5	14.9	· Oil·Gas
52.2	57.7	55.9	55.4	52.8	49.9	· Butuminous
6.6	8.1	10.9	11.1	4.2	4.0	· Uranium
15.3	14.5	21.6	18.0	15.1	27.9	· Iron
10.2	11.4	10.5	10.7	5.5	6.5	· Copper
24.7	19.9	21.2	21.5	21.2	22.8	· Zinc
30.5	31.9	45.8	61.7	68.9	63.2	· Nikel
□ Investment Status(mil.$)						
10,450	8,800	7,549	6,732	4,745	2,780	· Total
9,225	6,958	5,115	4,804	4,316	2,184	· Oil·Gas
1,225	1,842	2,434	1,928	429	596	· General Mineral

Source : Statistics Korea(e-National indicators)

5-6. 유류 관련 세율 변화

단계	종류	연도	원유	휘발유	경유	등유	B-C유
수입단계	관세	2001.1	기본5(할당1)	기본8(할당7)			
		2004.4.30	기본5(할당1)	기본8(할당5)			
		2007.7.1	기본3(할당1)	기본5(할당3)			
		2008.4.1	기본3(할당1)	기본5(할당1)			
		2009.2.1	기본3(할당2)	기본5(할당2)			
		2009.3.1	기본3(할당…)	기본5(할당3)			
		2012.1.1	기본3(할당…)	기본3(할당-)			
		2015.1.1	기본3(할당1)	기본3(할당-)			
		2016.1.1	기본3(할당0.5)	기본3(할당-)			
	수입 부과금	2001.3.1	14원/ℓ				
		2003.2.17	8원/ℓ				
		2003.3.12	4원/ℓ				
		2004.1.1	14원/ℓ				
		2004.4.30~12.31	8원/ℓ				
		2005.1.1	14원/ℓ				
		2006.2.7	16원/ℓ				
Stage	Type	Year	Crude oil	Gasoline	Diesel	Kerosene	B-C

주 : 1996년 1월부터 특소세/교통세를 종가세→종량세로 전환, 1996년 7월부터 교육세(특소세/교통세의 15%) 부과
자료 : 대한석유협회

5-6. Oil-related Tax Rate Change

단계	종류	연도	원유	휘발유	경유	등유	B-C유
판매단계	개별소비세 [(구) 특별소비세]	2004.7.1	–	–	–	154원	11원
		2005.7.1	–	–	–	↓	15원
		2006.1.1	–	–	–	134원	↓
		2006.7.1	–	–	–	↓	17원
		2008.1.1	–	–	–	63원	↓
		2008.4.1	–	–	–	90원	↓
		2008.12.1	–	–	–	63원	↓
		2009.3.1	–	–	–	90원	↓
		2014.7.1	–	–	–	63원	↓
	교통세 (교통에너지 환경세)	2004.3.1	–	559원	255원	–	–
		2004.7.1	–	545원	287원	–	–
		2005.7.1	–	535원	323원	–	–
		2006.7.1	–	526원	351원	–	–
		2007.7.23	–	505원	358원	–	–
		2008.3.5	–	472원	335원	–	–
		2008.10.7	–	462원	328원	–	–
		2009.1.1	–	514원	364원	–	–
		2009.5.21	–	529원	375원	–	–
	교육세	2005.7.1	–	80.25원	48.45원	↓	2.25원
		2006.1.1	–	↓	↓	20.1원	↓
		2006.7.1	–	78.90원	52.65원	↓	2.55원
		2007.7.23	–	75.75원	53.70원	↓	↓
		2008.1.1	–	↓	↓	9.50원	↓
		2008.3.5	–	70.80원	50.25원	↓	↓
		2008.4.1	–	↓	↓	13.50원	↓
		2008.10.7	–	69.30원	49.40원	↓	↓
		2008.12.1	–	↓	↓	9.50원	↓
		2009.1.1	–	77.10원	54.60원	↓	↓
		2009.3.1	–	↓	↓	13.50원	↓
		2009.5.21	–	79.35원	56.25원	↓	↓
		2014.7.1	–	↓	↓	9.45원	↓
	자동차 주행에 대한 자동차세	2003.7.1	–	85.51원	39.02원	–	–
		2004.3.1	–	100.62원	45.9원	–	–
		2004.7.1	–	117.18원	61.71원	–	–
		2005.7.1	–	128.4원	77.52원	–	–
		2006.7.1	–	139.39원	93원	–	–
		2007.7.23	–	164.12원	116.35원	–	–
		2008.3.5	–	127.44원	90.45원	–	–
		2008.10.7	–	138.6원	98.4원	–	–
		2009.1.1	–	154.2원	109.2원	–	–
		2009.5.21	–	137.54원	97.5원	–	–
	판매 부과금	1995.11	–	–	–	20원	–
		2001.7.1	–	–	–	23원	–
		2008.1.1	–	–	–	폐지	–
	VAT	1992.1	–	10%			
Stage	Type	Year	Crude oil	Gasoline	Diesel	Kerosene	B-C

5-7. 석유 수입 부과금·판매 부과금 개요

▶ 2017년 기준

▶ **근거** : 석유 및 석유대체연료 사업법 제18조, 제37조

▶ **목적** : 석유의 수급 및 가격안정

▶ 징수 대상자
- 석유(LNG 포함)를 수입하는 석유정제업자·석유수출입업자
- 석유대체연료를 수입하는 석유대체연료제조·수출입업자
- 국제 석유가격의 현저한 등락으로 과다한 이익을 얻게 되는 석유정제업자 또는 석유수출입업자

▶ 부과기준
- 수입 부과금
  - · 원유 및 석유제품 : 16원/ℓ(2006.2.7부터)
  - · 석유대체연료 : 16원/ℓ. 단, 유화연료유는 11원/ℓ(2006.2.7부터)
  - · 천연역청유는 11원/ℓ(2009.1.1부터)
  - · LNG : 24,242원/톤(2007.1.1부터)
- 판매 부과금
  - · 고급 휘발유 : 36원/ℓ(2000.7.29부터)
  - · 부탄 : 62,283원/톤(2005.7.8부터)

세입	부과대상		부과기준	적용시점
수입 부과금	원유 및 석유제품		16원/ℓ	2006.2.7
	석유대체연료		16원/ℓ	2006.2.7
		유화연료유	11원/ℓ	2006.2.7
		천연역청유	11원/ℓ	2009.1.1
	LNG		24,242원/톤	2007.1.1
판매 부과금	고급 휘발유		36원/ℓ	2000.7.29
	부탄		62,283원/톤	2005.7.8
일반회계전입금	에너지 및 자원사업 특별회계법 제7조		교통·에너지·환경세의 3%	교통·에너지·환경세의 3%

5-7. Summary of Imports and Sales Charges on Petroleum

▶ 징수 실적

구분		2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
수입 부과금	계	1,337,970	1,475,747	1,598,410	1,509,438	1,664,631	1,705,714	1,729,581	1,802,818	1,601,095	1,640,742	1,571,772
	석유	960,587	903,092	933,069	905,361	872,762	852,735	839,728	829,853	729,930	848,448	797,348
	LNG	377,383	572,655	665,341	604,078	791,869	852,979	889,853	972,965	871,165	792,294	774,424
판매 부과금		379,917	369,148	284,558	278,235	280,158	252,651	277,899	252,014	240,595	240,454	222,128
합계		1,717,887	1,844,895	1,882,968	1,787,673	1,944,789	1,958,365	2,007,480	2,054,832	1,841,690	1,881,196	1,793,900

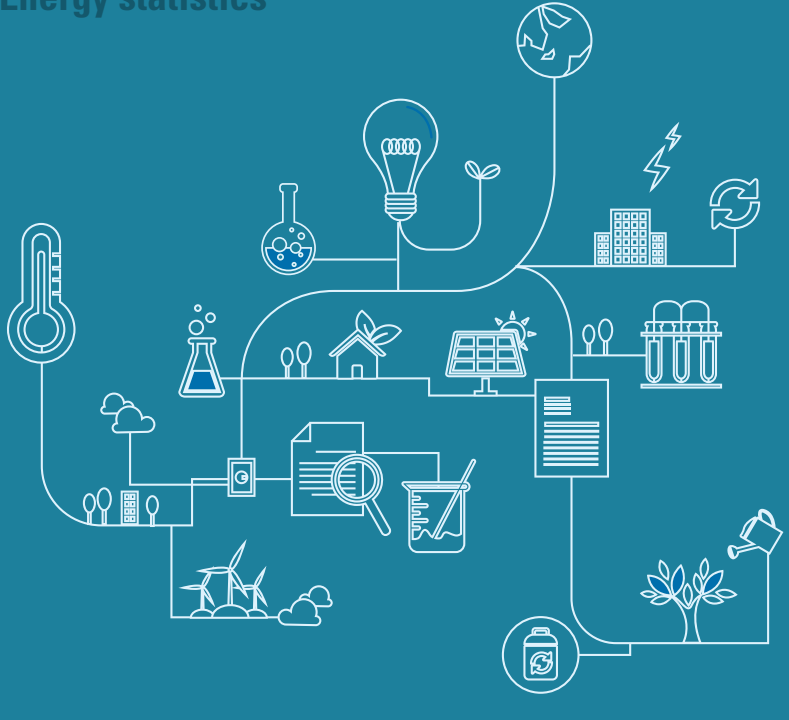
주 : 총징수 금액에서 환급액을 제외한 순징수 금액임

▶ 용도 : 에너지 및 자원사업 특별회계의 세입으로 전입

2017

자주 찾는 에너지 통계

Energy statistics



06 부록

1. 에너지 열량 환산기준
2. 단위 환산표
3. 용어해설

1. 에너지 열량 환산기준 Energy Conversion Factors/ Oil Equivalent

2011년 12월 30일 개정
(에너지 시행규칙 제5조 제1항)

에너지원		단위 Unit	총발열량 (kcal) Gross Calorific Value						Energy by Source	
			1980	1981	1987	1990	2007	2012		
석유	원유	kcal/kg	10,000	10,000	10,000	10,000	10,750	10,730	Crude Oil	Petroleum
	휘발유	kcal/l	8,300	8,300	8,300	8,300	8,000	7,780	Gasoline	
	등유(실내)	kcal/l	8,700	8,700	8,700	8,700	8,800	8,790	Kerosene	
	등유(보일러)						8,950			
	경유	kcal/l	9,200	9,200	9,200	9,200	9,050	9,010	Diesel	
	B – A유	kcal/l	9,500	9,400	9,400	9,400	9,300	9,290	Bunker-A	
	B – B유	kcal/l	9,200	9,700	9,700	9,700	9,650	9,670	Bunker-B	
	B – C유	kcal/l	9,900	9,900	9,900	9,900	9,900	9,950	Bunker-C	
	프로판	kcal/kg	12,000	12,000	12,000	12,000	12,050	12,050	Propane	
	부탄	kcal/kg	11,800	11,800	11,800	11,800	11,850	11,850	Butane	
	납사	kcal/l	8,000	8,000	8,000	8,000	8,050	7,710	Naphtha	
	용제	kcal/l	-	-	-	(8,200)	7,950	7,950	Solvent	
	항공유(JA-1)	kcal/l	-	8,700	8,700	8,700	8,750	8,730	Jet-Oil(JA-1)	
가스	천연가스(LNG)	kcal/kg	-	9,500	12,980	13,000	13,000	13,040	LNG	Gas
	도시가스(LNG)	kcal/Nm³	7,000	7,000	7,000	10,500	10,550	10,430	TownGas(LPG)	
	도시가스(LPG)	kcal/Nm³	-	-	-	15,000	15,000	15,000	TownGas(LPG)	
석탄	국내무연탄	kcal/kg	4,600	4,600	4,500	4,500	4,650	4,500	Domestic Anthracite	Coal
	수입무연탄(연료용)	kcal/kg	-	-	-	6,000	6,550	5,020	Anthracite(Steaming)	
	유연탄(원료용)	kcal/kg	6,600	6,600	6,600	6,600	7,000	7,000	Bituminous(Coking)	
	코크스	kcal/kg	6,500	6,500	6,500	6,500	7,050	6,960	Cokes	
전기	전기(발전기준)	kcal/kWh	2,500	2,500	2,500	2,500	2,150	2,110	Electricity(Generation)	Electricity
	전기(소비기준)	kcal/kWh	-	-	-	-	-	2,300	Electricity(Consumption)	

주 : 석탄의 발열량은 인수식 기준, 최종에너지소비 기준 전력 환산은 1kWh=860kcal

2. 단위 환산표 Unit Conversion Factors

① 에너지 Energy

단위	TJ	Gcal	Mtoe	MBtu	GWh	Units
TJ	1	238.8	2.388×10^{-5}	947.8	0.2778	TJ
Gcal	4.1868×10^{-3}	1	10^{-7}	3.968	1.163×10^{-3}	Gcal
Mtoe	4.1868×10^{-4}	10^{7}	1	3.968×10^{-7}	1.163	Mtoe
MBtu	1.0551×10^{-3}	0.252	2.52×10^{-8}	1	2.931×10^{-4}	MBtu
GWh	3.6	860	8.6×10^{-5}	3412	1	GWh

② 무게 Mass

단위	kg	tonne	Long ton(lt)	Short ton(st)	pound(lb)	Units
kg	1	0.001	9.84×10^{-4}	1.102×10^{-3}	2.2046	kg
tonne	1000	1	0.984	1.1023	2204.6	tonne
Long ton(lt)	1016	1.016	1	1.120	2240.0	Long ton(lt)
Short ton(st)	907.2	0.9072	0.893	1	2000.0	Short ton(st)
pound(lb)	0.454	4.54×10^{-4}	4.46×10^{-4}	5.0×10^{-4}	1	pound(lb)

③ 부피 Volume

단위	m^3	liter	ft^3	gal(U.S)	gal(U.K)	bbl	Units
m^3	1	10^{3}	35.3146	264.1721	219.969	6.2892	m^3
liter	10^{-3}	1	0.0353	0.2641	0.2199	6.2892×10^{-3}	liter
ft^3	2.8316×10^{-2}	28.3168	1	7.4805	6.2288	0.178	ft^3
gal(U.S)	3.7854×10^{-3}	3.7854	0.1336	1	0.8326	0.0238	gal(U.S)
gal(U.K)	0.004561	4.5461	0.1605	1.2009	1	0.0285	gal(U.K)
bbl	0.1589	158.988	5.6146	42	34.9726	1	bbl

3. 용어해설

▶ 가계소비지출

일정한 기간 동안에 가구에서 가구원의 생활에 필요한 재화나 용역을 구입한 대가로 지출되는 일체의 비용을 일컬음.

▶ 경상수지

물이나 서비스를 외국과 사고 파는 거래(상품수지), 우리나라 국민이 외국에 나가서 일을 하거나 외국인이 우리나라에 들어와서 일을 하면서 발생하는 소득 등에 대한 수입의 지출 차이(소득수지), 해외여행, 유학, 연수 등의 서비스수지에 경상이전수지(기부금, 정부의 무상원조 등 대가 없이 주고 받은 거래의 차액) 등 4가지를 합쳐 계산함.

▶ 경제활동인구

일정기간 중 경제재와 서비스 생산에 필요한 노동공급에 기여한 모든 사람.

▶ 국내총생산

한 나라의 모든 경제주체가 일정기간 동안에 생산한 재화와 용역의 부가가치를 금액으로 환산하여 합계한 것으로 각 부문의 생산활동은 물론 소비, 투자, 수출 등 수요 동향까지도 살펴볼 수 있는 종합적인 지표.

▶ 국민총소득

한 나라의 국민이 일정 기간 생산활동에 참여한 대가로 벌어들인 소득의 합계로서, 실질적인 국민소득을 측정하기 위하여 교역조건의 변화를 반영한 소득지표.

▶ 근로시간

취업자가 일하는 시간으로 근로기준법 제42조에 의하면, 근로시간은 휴식시간을 제하고 1일 8시간, 1주일에 40시간을 초과할 수 없음. 다만, 당사자간의 합의에 의하여 1주일에 12시간 한도로 연장근로를 시킬 수 있음.

▶ 납사

원유를 증류할 때, 35~220℃의 끓는점 범위에서 유출되는 탄화수소의 혼합체로 가솔린유분과 실질적으로 동일함. 이 유분을 내연기관의 연료 이외의 용도로, 특히 석유화학 원료 등으로 사용함.

▶ 두바이유

중동의 아랍에미리트에서 생산되는 원유로, 영국의 북해산 브렌트유, 미국의 서부텍사스유(WTI)와 함께 세계 3대 유종으로 꼽히며 중동 지역을 대표하기 때문에 중동산 두바이유로 불림.

▶ 매립지가스

폐기물을 땅에 묻었을 때 일정 기간이 지난 뒤 발생하는 이산화탄소나 메테인가스임.

▶ 명목국내총생산(명목GDP)

우리나라 영토 내에서 이루어진 총생산을 나타내는 개념으로, 각 생산물에 단위당 부가가치를 곱하여 화폐금액으로 표시한 다음 이들 화폐금액을 합계하여 추계하고 있음.

▶ 명목국민총소득(명목GNI)

한 나라의 국민이 국내외에서 생산 활동에 참여해 그 대가로 받은 소득의 합계를 당해 가격으로 평가한 지표임. 최종생산 물의 생산량에 당해년 가격을 적용해 산출하기 때문에 생산량의 변동뿐 아니라 가격의 변동에 의해서도 영향을 받음.

▶ 무연탄

탄화가 잘 되어 연기를 내지 않고 연소하는 석탄으로 휘발분이 3~7%로 적고 고정탄소의 함량이 85~95%로 높음.

▶ 바이오가스

미생물 등을 사용해서 생산된 수소·메테인 등과 같은 가스 상태의 연료로 에너지 소비의 일부를 보충할 수 있음.

▶ 바이오디젤

콩기름·유채기름·폐식물기름·해조유 따위의 식물성 기름을 원료로 해서 만든 무공해 연료를 통틀어 일컬음. 주로 경유를 사용하는 디젤자동차의 경유 첨가제 또는 그 자체로 차량 연료로 사용됨.

▶ 벙커링

국적이나 선박종류에 구분없이 외항선박에 공급되는 연료유의 양을 말함.

▶ 벤젠
용해제, 염료, 향료, 폭약, 백혈병 치료제, 살충제 따위의 원료로 쓰임. 콜타르를 증류하고 정제하여 만든 방향족 탄화수소임.

▶ 부타디엔
합성고무의 원료로 사용되며 두 개의 이중 결합을 가진, 탄소 원자 네 개의 사슬 모양 불포화 탄화수소임.

▶ 브렌트유
영국 북해 지역에서 생산되는 원유로 유럽과 아프리카 지역에서 거래되는 원유 가격을 결정하는 기준 원유임. 거래는 런던의 국제석유거래소(IPE)에서 주로 선물로 거래됨.

▶ 비에너지유
에너지유를 제외한 석유제품으로서 주로 타제품의 원료로 사용되는 납사, 용제, 아스팔트 등을 말함.

▶ 산업생산지수
특정한 해를 100으로 기준으로 그 해의 광공업생산량을 비교하기 위하여 어느 해의 생산량을 백분비로 나타낸 지수.

▶ 생산자물가지수
일정 시점의 연평균 물가를 100으로 잡고 가격변화 추이를 수치로 나타낸 것으로 조사 당시의 전반적인 물가수준을 측정할 수 있음.

▶ 석유환산톤(TOE, Ton of Oil Equivalent)
여러가지 단위로 표시되는 각종 에너지원들을 원유 1톤이 발열하는 칼로리 (Kcal) 기준으로 표준화한 단위. 석유의 단위는 배럴, 무연탄의 단위는 톤, 가스의 단위는 갤런 등으로 각 에너지원의 단위가 다르고 또한 세계 단위로의 에너지 소비량을 측정하기 어려우므로, 가장 보편적이고 사용량이 높은 원유를 기준으로한 계산법임. 원유 1톤의 발열량 107Kcal를 1toe로 정의함.

▶ 소비자물가지수
일반 도시가계가 소비생활을 영위하기 위해 구입하는 각종 상품(소비재) 및 개인서비스의 가격변동을 측정하는 대표적인 물가지수이며 일정량의 상품 및 서비스를 경상가격으로 구입할 수 있는 비용의 변동을 나타냄.

▶ 신재생에너지

태양열, 태양광, 풍력, 조력, 지열처럼 자연 상태에서 만들어진 에너지를 일컫는 말로 2004년부터 산업자원부에서 대체에너지(alternative energy)란 단어 대신 사용하고 있음.

▶ 실질국내총생산(실질GDP)

국내경제의 생산활동 동향을 나타내는 경제성장률 산정에 이용되는 지표로서 국내에서 생산된 최종생산물의 수량에 기준년도(현재 2005년)의 가격을 곱하여 산출한 물량측정치이므로 실질 GDP의 변동분은 가격 변화분을 제거한 순수한 생산수량의 변동분만을 나타냄.

▶ 실질국민총소득(실질GNI)

한 나라의 국민이 국내외 생산활동에 참여한 대가로 받은 소득의 실질 구매력을 나타내는 지표로서 실질 국내총생산에 교역조건 변화에 따른 무역 손익과 대내외 지급 이자, 배당, 임금 등 차액을 반영한 것으로 국민들이 피부로 느끼는 체감경기를 보다 잘 반영하는 실질 구매력 지표임.

▶ 에너지수입의존도

일반적으로 에너지수입의존도는 1차 에너지공급량에서 순수입에너지의 비중을 의미하나 국내수입의존도는 1차 에너지소비 중 수입에너지의 비중을 의미.

▶ 에너지유

발전 내연기관 램프 취사기구 난방기구 등에 동력 빛 열 등으로 사용되는 석유제품으로서 휘발유, 등유, 경유, 경질증유, 중유, 방카C유, 항공유, 프로판, 부탄 등을 말함.

▶ 에틸렌

에틸렌은 주로 각종 화합물의 원료로 사용되며 특히 합성수지인 폴리에틸렌 제조의 원료로 많이 사용됨.

▶ 연료전지

연료의 연소 에너지를 열로 바꾸지 않고 직접 전기 에너지로 바꾸는 전지임. 값비싼 촉매를 필요로 하기 때문에 우주 로켓이나 등대 등의 특수한 용도에 쓰임.

▶ 우드칩

건축용 목재로 사용하지 못하는 뿌리와 가지, 기타 임목 폐기물을 분리해낸 뒤 연소하기 쉬운 칩 형태로 잘게 만든 열병합발전 원료.

▶ 원료탄 (혹은 점결탄)

석탄을 건류·연소할 때 석탄입자가 연화용융하여 서로 점결하는 성질이 있는 석탄. 고생대나 중생대의 지층에서 산출되며 석탄자원 중 가장 중요한 용도를 가지고 있음.

▶ 유연탄

무연탄에 대응하는 석탄의 분류 명칭이며 이탄, 아탄, 갈탄, 역청탄 등이 속함. 다량의 휘발분을 함유하고 있으며 발전용으로 사용됨.

▶ 제조업가동률지수

설비가동의 절대수준을 나타내는 것이 아니라 기준연도의 가동률을 100으로 하였을 때 비교시의 가동상태가 어느 수준인가를 나타내는 지수.

▶ 조강

제강로에서 제조된 그대로의 가공되지 않은 강철.

▶ 총발열량

연료의 연소과저에서 발생하는 수증기의 잠열을 포함한 발열량.

▶ 최종에너지

최종에너지는 최종 소비부문의 에너지 이용설비에 알맞은 형태로 사용되는 에너지로서, 1차에너지 중 일정한 전환과정을 거쳐서 다른 형태의 에너지로 전환되는 것을 의미함.

▶ 크실렌

독과 휘발성이 있으며 용제로 널리 쓰이며 합성수지, 물감, 의약 따위의 원료로 쓰임. 벤젠의 수소 원자 두 개가 메틸과 바뀌어 된 무색 액체.

▶ 톨루엔

공업용 화학 약품, 벤조산·사카린·염료 따위를 만드는 등 많은 물질을 합성하는 원료로 사용됨. 벤젠의 수소원자 1개를 메틸기로 치환한 화합물로 무색의 액체임.

▶ 프로필렌

액화석유가스와 중합가솔린의 제조원료 및 석유화학원료로 사용되어 그 용도가 매우 큼. 또한 합성섬유를 제조하는데도 사용됨.

▶ 1인당 국민총소득(1인당GNI)

명목GNI를 국민의 수로 나눈값으로 국민1인당 소득을 나타내는 지표임.

▶ 1차에너지

천연상태에서 얻을 수 있는 형태의 에너지로 다른 에너지의 생성을 위해 소비되는 가장 기본적인 형태의 에너지임. 석유, 석탄, LNG, 원자력, 수력 등이 이에 해당됨.

▶ OPEC (석유수출국기구, Organization of Petroleum Exporting Countries)

국제석유자본(석유메이저)에 대한 발언권을 강화하기 위하여 1960년 결성한 조직임. 2007년 기준으로 12개국이 가입되어 있으며 본부는 오스트리아 빈에 있음.

▶ WTI (서부텍사스유, West Texas Intermediate)

국제 원유 가격을 결정하는 기준 원유로, 미국 서부 텍사스와 오클라호마주 일대에서 생산됨. 대표적인 경질유(Light crude oil)이자 저유황유이며, 미국 국내와 아메리카 지역의 기준 유종임.

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※ If you have any questions about this book, you could make inquiries at Energy Statistics Research Division.