

에너지통계 월보

MONTHLY
ENERGY
STATISTICS



2018년 11월 자료



KOREA ENERGY ECONOMICS INSTITUTE



에너지경제연구원
Korea Energy Economics Institute

2019 / 02



VOL. 35-02
2019.2

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약어 ABBREVIATIONS

GWh : gigawatt hour
MWh : Megawatt hour
Kcal : kilocalorie
Mt : million tonnes
MJ : Mega Joule
GJ : Giga Joule
t : metric ton = tonne = 1,000 kg
toe : tonne of oil equivalent = 10^7 Kcal

TPES : Total Primary Energy Supply
TFEC : Total Final Energy Consumption
HDD : Heating Degree Days
CDD : Cooling Degree Days
BPSD : Barrel Per Stream Day
BPCD : Barrel Per Calender Day
D-D : Direct Dealing
FOB : Free On Board
CIF : Cost, Insurance and Freight

- nil
p Preliminary
... not available
e estimate

열량환산계수 적용안내

에너지법 시행규칙 제5조제1항에 의거 2007년부터 매 5년마다 변경된 열량을 적용하고 있으니 이용에 유의하시기 바랍니다.

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※ 에너지밸런스 변경 사항

가. 개요

- 일부 에너지원의 에너지소비 업종 및 용도 분류 방법 개선, 과거 석유제품 시계열의 갱신(2018년 5월 기준의 석유류수급통계 기준 일괄 적용), 국내에 에너지열량 환산 기준이 존재하지 않는 일부 에너지원의 열량 산정 기준 명확화(IEA 기준 적용), 지역 냉·난방 열에너지 포함범위 현실화 등을 통해 1990년 이후의 에너지밸런스의 신뢰성을 제고함.

나. 석탄

- 유연탄: 일부 연료용 유연탄 소비업종의 분류 수정 (섬유·의복 → 석유·화학)
 - 2000년부터 적용
- 무연탄: 수입무연탄 소비용도 분류 방법 개선
 - 2007년부터 발전용 수입무연탄 소비량 조정
 - * 기존: 발전용 수입무연탄 소비량 = 수입무연탄 소비량 × 수입무연탄 소비실태조사 결과의 발전용 비중
 - * 변경: 발전용 수입무연탄 소비량 = 한전의 발전용 무연탄 소비량 - 석탄협회의 발전용 국내무연탄 소비량
 - 산업부문 무연탄 소비량 수정
 - * 산업부문 무연탄 소비량은 무연탄 총소비량에서 발전용과 가정용 무연탄 소비량을 제외한 값으로 산정하기 때문에 상기 발전용 수입무연탄 소비량 수정으로 인해 조정됨.
 - 2012년 이후 산업부문 수입무연탄 열량환산 방법 개선
 - * 기존: 원료용 수입무연탄 발열량을 적용
 - * 변경: 산업용 무연탄 소비용도를 원료용(PCI탄)과 연료용으로 구분하여 각각의 열량을 적용(2012년부터 열량을 구분하여 공표)
- 유·무연탄 수급 자료의 월간 수치 합계와 연간수치 사이의 정합성 보정
 - 월간수치와 연간수치의 정합성 보정 (1990년부터 적용)

다. 석유

- 2018년 5월 기준의 PEDSIS(석유류수급통계)자료 기준으로 1994년 이후의 시계열 갱신
- PEDSIS의 “기타석유 및 석탄제품 제조업” 항목을 “기타에너지”에서 “석유·화학”으로 이동

- 에너지유: 경유
 - 육상수송 소비량에서 바이오디젤(2004년부터 데이터 집계) 소비량 제외
 - * 기존: PEDSIS의 “도로” 소비량
 - * 변경: PEDSIS의 “도로” 소비량 - 바이오디젤 생산량
- 비에너지유: 파라핀왁스
 - 열량 환산 기준 변경
 - * IEA 기준인 10,030kcal/kg 사용
 - 열량 환산 기준 단위를 ℓ 에서 kg으로 변경함에 따라 7.72bbl/ton(한국석유공사 석유류수급통계 기준)을 적용하여 단위를 환산
- 비에너지유: 기타 석유제품
 - 기타 석유제품에는 부생연료유(등유형), 부생연료유(중유형), 기타제품, 정제가스가 포함됨.
 - 기존에는 부생연료1호 열량환산기준(리터당 8,800kcal)을 일괄 적용하였으나, 각 제품별로 열량환산기준을 각각 적용하여 시계열 수정
 - * 부생연료유(등유형): 8,850kcal/ℓ (11년 이전)→ 8,800kcal/ℓ (12~16년)→ 8,860kcal/ℓ (17년 이후)
 - * 부생연료유(중유형): 9,700kcal/ℓ (11년 이전)→ 9,550kcal/ℓ (12~16년)→ 9,530kcal/ℓ (17년 이후)
 - * 기타제품: 10,101kcal/kg(IEA 기준) 적용
 - * 정제가스: 12,418kcal/kg(IEA 기준) 적용
 - 기타제품과 정제가스의 열량 환산 기준 단위를 ℓ 에서 kg으로 변경함에 따라 각각 6.05bbl/ton, 13.98bbl/ton(한국석유공사 석유류수급통계 기준)을 적용하여 단위를 환산

라. 열에너지

- 기존: 3개 집단에너지사업자(한국지역난방공사, 서울에너지공사, GS파워)의 지역냉·난방 열 생산 및 판매량 자료만 반영
- 변경: 1998년부터 「집단에너지사업편람」(한국에너지공단)의 지역냉·난방부문 열 생산 및 판매량을 모두 반영

1. 일러두기

가. 단위

- 에너지수급통계에서 사용하는 단위는 고유(물량) 단위와 열량 단위가 있으며, 고유(물량) 단위의 환산은 “2. 단위 및 열량환산표” 참조
- 열량은 단위는 kcal, toe를 사용하며 참고로 IEA에서는 줄(joule)을 사용하고 있음.
- 1톤(T)은 1 메트릭톤(M/T), 1,000kg과 같은 개념이며, 에너지통계의 고유단위로 사용함. 메트릭톤은 미터법상의 1톤과 롱톤(L/T), 숏톤(S/T)의 상대되는 개념임.

나. 열량

- 에너지수급통계는 에너지법 시행령 제15조제1항에 따라 정하는 에너지열량환산 기준 중 총발열량을 적용하며, IEA 및 일부 국가에서는 목적에 따라 순발열량을 적용하는 경우도 있음.
- 에너지열량환산기준은 1980년 이후 6차에 걸쳐 개정되었으며, 2007년부터는 2006년에 제정된 에너지법에 따라 매 5년마다 작성·공표함(에너지법 시행규칙 제5조제2항).
- 2007년 이전까지는 일부 에너지원이 추가되는 수준의 열량개정이 이루어져 통계에 큰 영향을 주지 못했으나 2007년부터는 동일 에너지원이라도 열량차이가 커서 개정시점마다 열량변동이 발생함.

다. 주요 용어

1) 1차에너지

- 생산, 수출입 및 재고증감에 의해 국내 공급된 에너지이며, 타 에너지로 전환되기 위해 투입되는 에너지와 산업, 수송, 가정, 상업용으로 최종소비되는 에너지의 합으로 계산
- 현행 국가에너지밸런스에서는 원유의 투입과 석유제품의 생산에 해당하는 석유정제를 에너지전환 과정으로 보지 않고, 대신 생산된 석유제품을 1차에너지 수입으로 간주하여 작성

2) 최종에너지

- 산업, 수송, 가정 및 상업부문 등 최종에너지 소비부문에서 사용하는 에너지로, 최종소비자가 직접 사용한 1차에너지와 전환과정을 거친 2차에너지가 여기에 해당

- 현 국가통계에서 전력과 열에너지는 한전 및 지역난방 사업자가 공급하는 양만 최종에너지소비에 포함
- 자가생산자가 생산한 전력과 열에너지는 생산부문 및 업종의 연료소비로 최종소비에 포함되나, 전력거래소에 판매된 자가발전은 전력으로 최종소비에 포함

3) 에너지전환

- 에너지전환은 사용하기 편리한 에너지로 변환하는 과정을 말하며 발전, 석유정제, 지역난방, 가스제조 등이 해당
- 발전은 사업자 및 자가 생산을 모두 포함하여야 하나, 현재 국가통계는 자가발전 투입연료를 자가발전사업자의 소비에 포함
- 석유정제는 원유의 투입과 석유제품의 산출 과정을 의미하나, 현 에너지밸런스에서는 정제 생산된 석유제품을 1차에너지로 간주하고 투입 원유는 반영하지 않음.

4) 1인당 에너지소비

- 1년동안 공급된 1차에너지를 인구수로 나눈 값이며, 인구수는 연앙 인구를 사용

5) 수입의존도

- 1차에너지공급에 대한 순수입의 비중으로 계산하는 것이 일반적이나, 우리나라의 경우는 1차에너지소비에서 수입에너지 차지하는 비중으로 계산
- 원자력의 원료인 우라늄을 수입에너지로 간주하여 수입의존도를 발표하고 있으나, 국제기준에 의해 원자력 발전량을 국내생산에 포함한 수입의존도를 병기함.

6) GDP 단위당 에너지 소비

- 에너지원단위=1차에너지/국내총생산(GDP)이며, 경제활동에 투입된 에너지소비의 효율성을 평가하는 지표로 사용. 에너지원단위는 산업구조 및 부가가치율의 변화, 에너지절약 및 이용효율 수준 등에 좌우

7) 에너지소비의 GDP 탄력성

- 경제활동 변화에 대한 에너지소비 변화의 탄력도를 의미함. 경제활동을 나타내는 자료는 GDP를 이용하며, 1차에너지 증감율/GDP 증감율로 계산

2. 단위 및 열량환산표 Unit Conversion Factors

가. 부피

Units	m ³	cm ³	liter	in ³	ft ³	Mgal	영gal	bbl
1 m ³	1	10 ⁶	10 ³	6.102374×10 ⁴	35.31467	264.1721	219.969	6.2892
1 cm ³	10 ⁻⁶	1	10 ⁻³	0.06102374	3.531467×10 ⁻⁵	2.641721×10 ⁻⁴	2.19969×10 ⁻¹	0.62892×10 ⁻⁵
1 liter	10 ⁻³	1000	1	61.02374	0.03531467	0.2641721	0.219969	6.2892×10 ⁻³
1 in ³	1.638706×10 ⁻⁵	16.38706	0.01638706	1	5.787037×10 ⁻⁴	4.32900×10 ⁻³	3.60465×10 ⁻³	0.10306×10 ⁻³
1 ft ³	2.831685×10 ⁻²	28316.85	28.31685	1728	1	7.480520	6.2288	0.178
1 gal(U.S)	3.785412×10 ⁻³	3785.412	3.785412	231	0.1336806	1	0.83268	0.023809
1 gal(U.K)	0.004561	4546.1	4.5461	277.42	0.160544	1.20094	1	0.028571
bbl	0.158988	158988	158.988	9.702	5.6146	42	34.9726	1

나. 무게

Units	g	kg	oz	lb	metric ton	Short ton(단)	Long ton(영)
1 g	1	10 ⁻³	0.03527396	2.20462×10 ⁻³	10 ⁻⁶	1.10231×10 ⁻⁶	9.842×10 ⁻⁷
1 kg	1000.	1	36.27396	2.204623	10 ⁻³	1.10231×10 ⁻³	9.842×10 ⁻⁴
1 oz(avdp)	28.34952	0.02834952	1	0.0625	2.83495×10 ⁻⁵	5×10 ⁻¹	2.790×10 ⁻⁵
1 lb(avdp)	453.5924	0.4535924	16	1	4.53592×10 ⁻⁴	0.0005	4.464×10 ⁻⁴
1 metric ton	10 ⁶	1000	35273.96	2204.623	1	1.102311	0.9842
1 ton(U.S)	907184.7	907.1847	32000.	2000	0.9071847	1	7.8927
1 ton(U.K)	1016.0×10 ³	1016.0	35.838×10 ³	2240.143	1.0160	1.1200	1

다. 에너지

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

라. 비중과 톤당 용적(60°F 기준)

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

마. 단위의 배수

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

바. 석유제품환산표

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

※ 세계평균비중

사. 원유환산표

구 분	톤 (메트릭톤)	롱 톤	숏 톤	배럴	입방미터 (m ³)	1천 갤런 (영)	1천 갤런 (미)
톤 (메트릭톤)	1	0.984	1.102	7.33	1.16	0.256	0.308
롱 톤	1.016	1	1.120	7.45	1.18	0.261	0.313
숏 톤	0.907	0.893	1	6.65	1.05	0.233	0.279
배 렬	0.136	0.134	0.150	1	0.159	0.035	0.042
입 방 미 터(m ³)	0.863	0.849	0.951	6.29	1	0.220	0.264
천 갤 런 (영)	3.91	3.83	4.29	28.6	4.55	1	1.201
천 갤 런 (미)	3.25	3.19	3.58	23.8	3.79	0.833	1

자료 : BP.com

3. 에너지 열량 환산기준 Energy Conversion Factors/Oil Equivalent (에너지법 시행규칙(제5조제1항, 별표))

〈개정 2017.12.28.〉

구분	에너지원			단위	총발열량			순발열량		
					MJ	kcal	석유환산톤 (10 ⁻³ toe)	MJ	kcal	석유환산톤 (10 ⁻³ toe)
석유	원	유	kg	45.0	10,750	1.075	42.2	10,080	1.008	
	휘발유	유	ℓ	32.7	7,810	0.781	30.4	7,260	0.726	
	등유	유	ℓ	36.7	8,770	0.877	34.2	8,170	0.817	
	경유	유	ℓ	37.8	9,030	0.903	35.2	8,410	0.841	
	B - A	유	ℓ	39.0	9,310	0.931	36.4	8,690	0.869	
	B - B	유	ℓ	40.5	9,670	0.967	38.0	9,080	0.908	
	B - C	유	ℓ	41.7	9,960	0.996	39.2	9,360	0.936	
	프로판 (LPG 1호)		kg	50.4	12,040	1.204	46.3	11,060	1.106	
	부탄 (LPG 3호)		kg	49.5	11,820	1.182	45.7	10,920	1.092	
	나프타	타	ℓ	32.3	7,710	0.771	29.9	7,140	0.714	
	용제	제	ℓ	32.8	7,830	0.783	30.3	7,240	0.724	
	항공유	유	ℓ	36.5	8,720	0.872	33.9	8,100	0.810	
	아스팔트		kg	41.4	9,890	0.989	39.2	9,360	0.936	
	윤활유	유	ℓ	40.0	9,550	0.955	37.3	8,910	0.891	
	석유코크스		kg	35.0	8,360	0.836	34.2	8,170	0.817	
	부생연료유 1호		ℓ	37.1	8,860	0.886	34.6	8,260	0.826	
	부생연료유 2호		ℓ	39.9	9,530	0.953	37.7	9,000	0.900	
가스	천연가스 (LNG)		kg	54.7	13,060	1.306	49.4	11,800	1.180	
	도시가스 (LNG)		Nm ³	43.1	10,290	1.029	38.9	9,290	0.929	
	도시가스 (LPG)		Nm ³	63.6	15,190	1.519	58.4	13,950	1.395	
석탄	국내무연탄		kg	19.8	4,730	0.473	19.4	4,630	0.463	
	연료용수입무연탄		kg	21.2	5,060	0.506	20.5	4,900	0.490	
	원료용수입무연탄		kg	25.2	6,020	0.602	24.7	5,900	0.590	
	연료용유연탄(역청탄)		kg	24.8	5,920	0.592	23.7	5,660	0.566	
	원료용유연탄(역청탄)		kg	29.2	6,970	0.697	28.0	6,690	0.669	
	아역청탄		kg	21.4	5,110	0.511	19.9	4,750	0.475	
	코크스		kg	29.0	6,930	0.693	28.9	6,900	0.690	
전기 등	전기 (발전 기준)		kWh	8.9	2,130	0.213	8.9	2,130	0.213	
	전기 (소비 기준)		kWh	9.6	2,290	0.229	9.6	2,290	0.229	
	신탄		kg	18.8	4,500	0.450	-	-	-	

- 비고 1. “총발열량”이란 연료의 연소과정에서 발생하는 수증기의 잠열을 포함한 발열량을 말한다.
 2. “순발열량”이란 연료의 연소과정에서 발생하는 수증기의 잠열을 제외한 발열량을 말한다.
 3. “석유환산톤”(toe: ton of oil equivalent)이란 원유 1톤(t)이 갖는 열량으로 10⁶kcal를 말한다.
 4. 석탄의 발열량은 인수식(引受式)을 기준으로 한다. 다만, 코크스는 건식(乾式)을 기준으로 한다.
 5. 최종 에너지사용자가 사용하는 전력량 값을 열량 값으로 환산할 경우에는 1kWh=860kcal를 적용한다.
 6. 1cal=4.1868J이며, 도시가스 단위인 Nm³은 0℃ 1기압(atm) 상태의 부피 단위(m³)를 말한다.
 7. 에너지원별 발열량(MJ)은 소수점 아래 둘째 자리에서 반올림한 값이며, 발열량(kcal)은 발열량(MJ)으로 부터 환산한 후 1의 자리에서 반올림한 값이다. 두 단위 간 상충될 경우 발열량(MJ)이 우선한다.

〈에너지열량 환산기준 변화 추이〉

〈개정 2017.12.28.〉

		단위	총발열량(kcal)							
			1980	1981	1987	1990	2007	2012	2017	
석유 (17종)	원 유	kg	10,000	10,000	10,000	10,000	10,750	10,730	10,750	
	휘 발 유	ℓ	8,300	8,300	8,300	8,300	8,000	7,780	7,810	
	등 유 (실 내)	ℓ	8,700	8,700	8,700	8,700	8,800	8,790	8,770	
	등 유 (보 일 러)	ℓ	8,700	8,700	8,700	8,700	8,950	8,790	8,770	
	경 유	ℓ	9,200	9,200	9,200	9,200	9,050	9,010	9,030	
	B - A	ℓ	9,500	9,400	9,400	9,400	9,300	9,290	9,310	
	B - B	ℓ	9,200	9,700	9,700	9,700	9,650	9,670	9,670	
	B - c	ℓ	9,900	9,900	9,900	9,900	9,900	9,950	9,960	
	프 로 판	kg	12,000	12,000	12,000	12,000	12,050	12,050	12,040	
	부 탄	kg	11,800	11,800	11,800	11,800	11,850	11,850	11,820	
	납 사	ℓ	8,000	8,000	8,000	8,000	8,050	7,710	7,710	
	용 제	ℓ	-	-	-	(8,200)	7,950	7,950	7,830	
	항 공 유 (J A - 1)	ℓ	-	8,700	8,700	8,700	8,750	8,730	8,720	
	항 공 유 (J P - 4)	ℓ	-	8,500	8,500	8,500	8,750	8,730	8,720	
	항 공 유 (A V I - G)	ℓ	-	8,700	8,700	8,700	8,750	8,730	8,720	
	아 스 팔 트	kg	-	-	-	(10,000)	9,900	9,910	9,890	
	윤 활 유	ℓ	-	-	-	(9,400)	9,250	9,500	9,550	
석 유 코 크 스	kg	-	-	-	(10,800)	8,100	8,000	8,360		
부 생 연 료 1 호	ℓ	-	-	-	-	8,850	8,800	8,860		
부 생 연 료 2 호	ℓ	-	-	-	-	9,700	9,550	9,530		
가스 (3종)	천 연 가 스 (L N G)	kg	-	9,500	12,980	13,000	13,000	13,040	13,060	
	도 시 가 스 (L N G)	Nm ³	7,000	7,000	7,000	10,500	10,550	10,430	10,290	
	도 시 가 스 (L P G)	Nm ³	-	-	-	15,000	15,000	15,000	15,190	
석탄 (7종)	국 내 무 연 탄	kg	4,600	4,600	4,500	4,500	4,650	4,500	4,730	
	연 료 용 수 입 무 연 탄	kg	-	-	-	6,000	6,550	5,020	5,060	
	원 료 용 수 입 무 연 탄	kg	-	-	-	6,000	6,550	5,900	6,020	
	연 료 용 유 연 탄 (역 청 탄)	kg	6,600	6,600	6,600	6,600	6,200	6,160	5,920	
	원 료 용 유 연 탄 (역 청 탄)	kg	6,600	6,600	6,600	6,600	7,000	7,000	6,970	
	아 역 청 탄	kg	-	-	-	-	5,350	5,420	5,110	
	코 크 스	kg	6,500	6,500	6,500	6,500	7,050	6,960	6,930	
전기 등 (3종)	전 기 (발 전 기 준)	kWh	2,500	2,500	2,500	2,500	2,150	2,110	2,130	
	전 기 (소 비 기 준)	kWh	-	-	-	-	-	2,300	2,290	
	신 탄	kg	4,500	4,500	4,500	4,500	4,500	4,500	4,500	

- 주 1. “총발열량”이라 함은 연료의 연소과정에서 발생하는 수증기의 잠열을 포함한 발열량
 2. “석유환산톤(toe: ton of oil equivalent)이란 원유 1톤이 갖는 열량(1 toe = 10⁷kcal = 41,868GJ)
 3. 석탄의 발열량은 인수식 기준, 최종소비 전력 환산은 1KWh = 860kcal 적용

4. 에너지수급통계 작성 개요

가. 통계작성 승인내용

- 통계의 명칭 : 에너지수급통계
- 통계작성기관 : 에너지경제연구원(<http://www.keei.re.kr>)
- 통계의 종류 : 일반, 보고통계
- 작성주기 : 매월
- 통계작성 승인번호 : 제339001호(2002.04.02)
- 통계작성 목적 : 에너지 수요와 공급에 영향을 미치는 여러가지 요인을 비교분석함으로써 에너지 수요 전망, 에너지 효율 분석 등 각종 에너지 정책 수립을 위한 기초자료 제공

나. 연혁

- 1982. 11. : 에너지통계연보 초안 작성
- 1983. 11. ~ 2001. 9. : 에너지통계연보 작성 발간(20호)
- 1994. : 통계청 승인 간행물(115-03)
- 2002. 4. : 통계작성 승인(제339001호, 2002.04.02)
- 2008. 2. : 작성기관 변경(산업자원부 → 지식경제부)
- 2008. 6. : 작성기관 변경(지식경제부 → 에너지경제연구원)

다. 작성 방법

- “에너지통계의 작성등에 관한 규정”(산업통상자원부 고시 제2013-70호) 제4조의 에너지수급통계 작성기관에서 매월 생산 및 판매실적을 보고 받아 에너지경제연구원 에서 에너지밸런스 및 국가에너지수급 관련 통계를 작성

※ 에너지 수급 통계 작성 Flow 참조

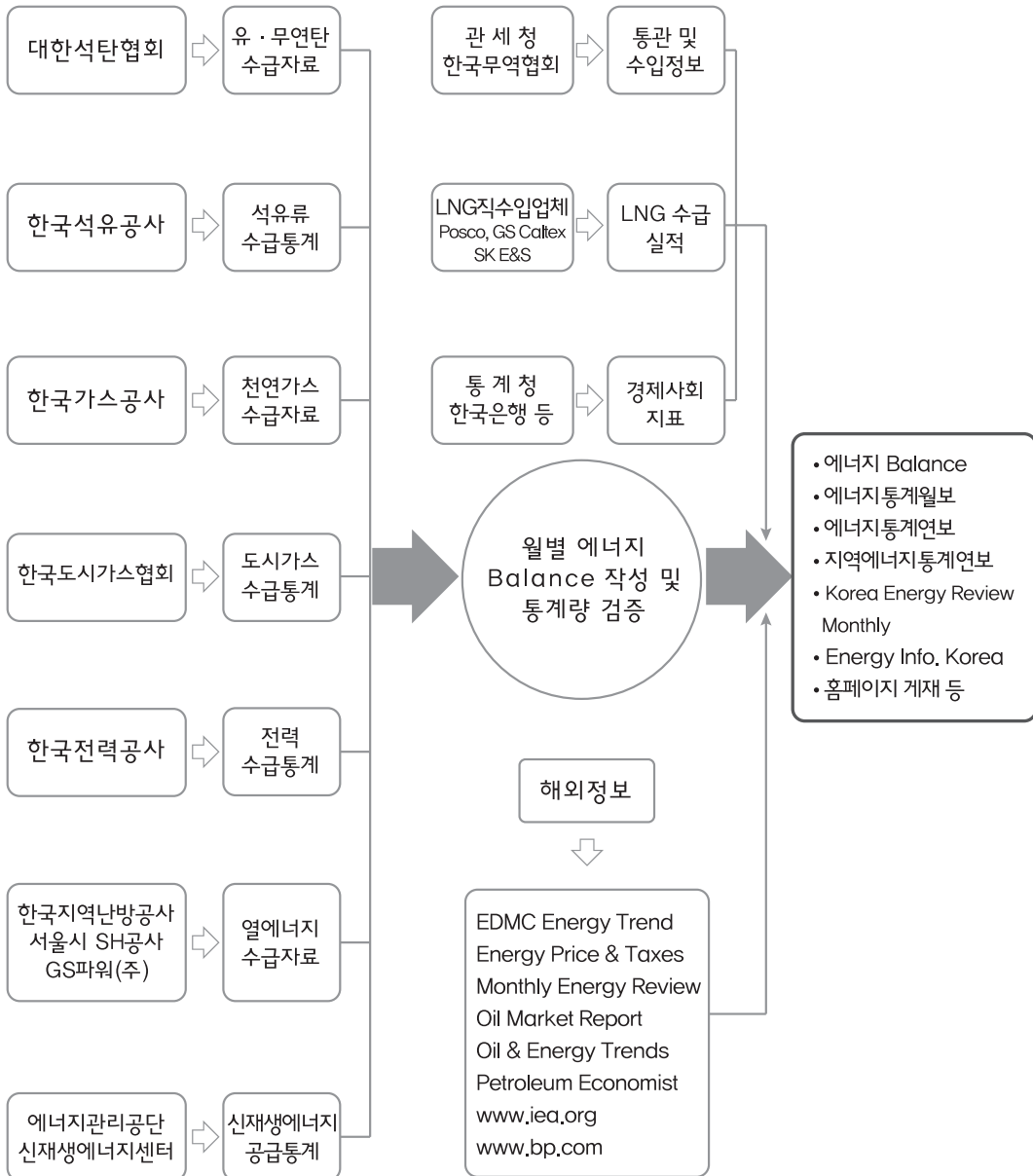
라. 작성 내용

- 에너지생산 및 수·출입 : 국내생산, 수입, 수출, 국제병커링, 재고 등
- 1차에너지 공급 및 전환(발전, 지역난방, 가스제조, 자가소비 및 손실)
- 최종에너지 소비
 - 산업부문 : 농림어업, 광업, 제조업(11개업종), 건설업
 - 수송부문 : 철도운수, 육상운수, 수상운수, 항공운수
 - 가정·상업, 공공 : 가정, 상업, 공공

마. 결과 공표

- 간행물, KESIS(Korea Energy Statistics Information System), 인터넷(PDF 파일)
- 간행물 : 에너지통계월보(매월), 에너지통계연보(매년)
 - 「에너지통계월보」발간 : 매월 15일경
 - 「에너지통계연보」발간 : 매년 12월경

※ 에너지수급통계 작성 Flow



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2018년 11월 Energy Balance Flow

에너지 수입의존도 93.7%
[에너지 수입액 : 136.8억 \$]

수입
·
생산



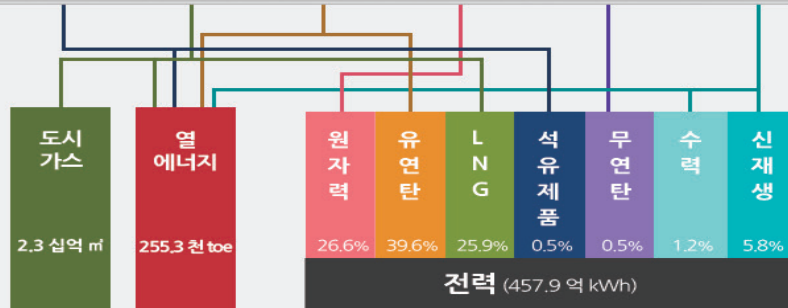
공급
[1차에너지]

25.5 백만 toe
[100.0%]



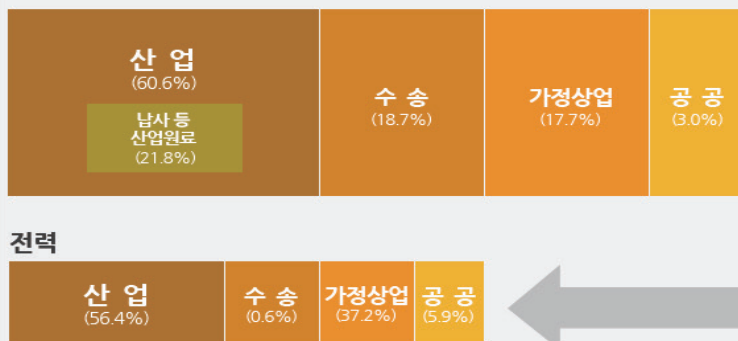
전환
·
손실

5.7 백만 toe
[22.5%]

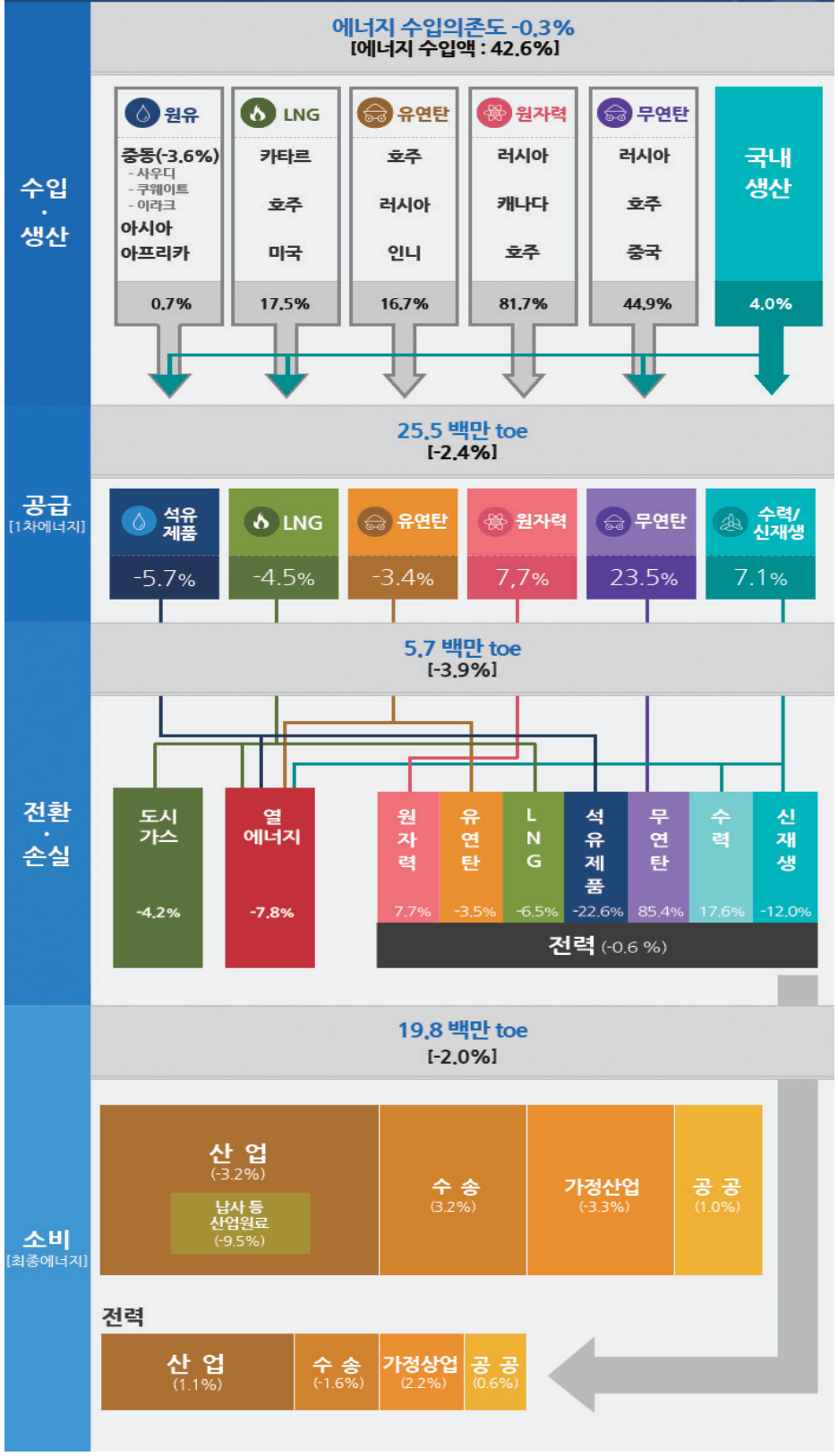


소비
[최종에너지]

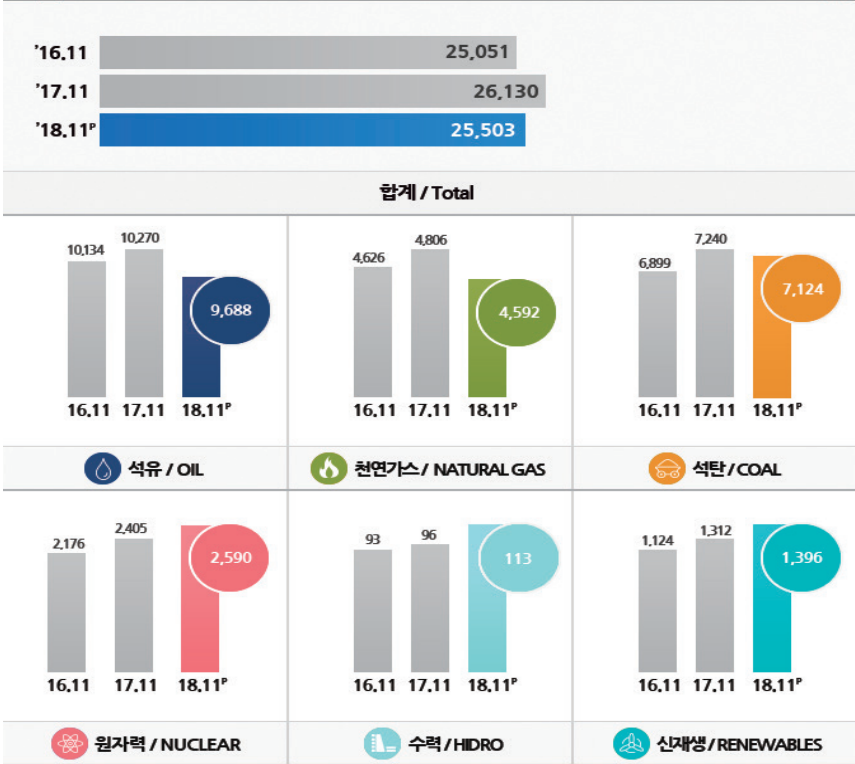
19.8 백만 toe
[77.5%]



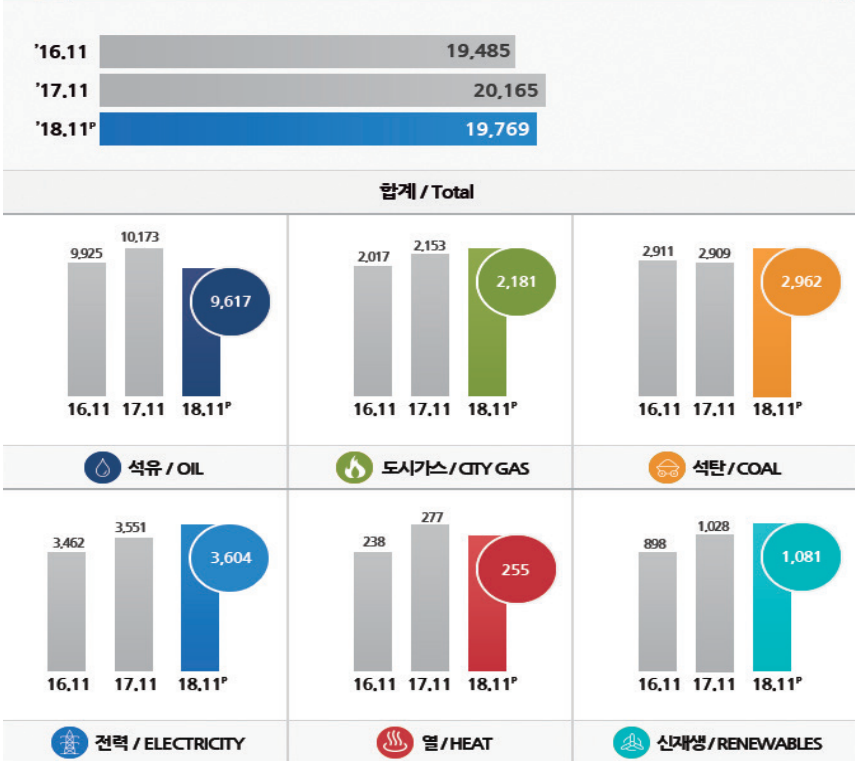
2018년 11월 Energy Balance Flow(전년동월대비)



1차 에너지 공급 / Primary energy supply (단위: 천 toe)



최종에너지 소비 / Final energy consumption (단위: 천 toe)



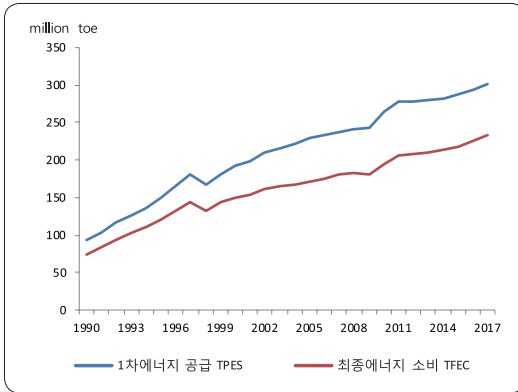
1. 에너지 개요 및 1차에너지 공급

Energy overview and
primary energy supply

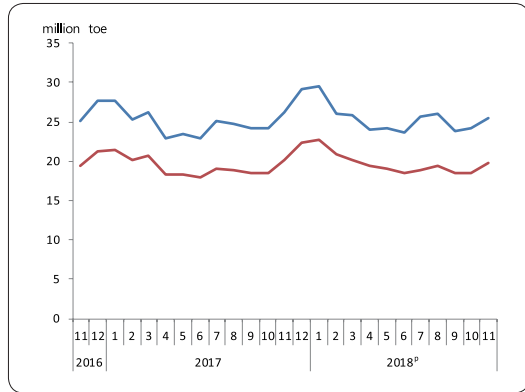


□ 1차에너지 공급, 최종에너지 소비 Primary energy supply, Final energy consumption

<1990~2017>

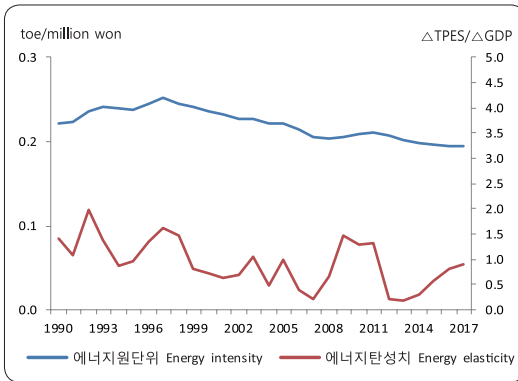


<월별 Monthly>

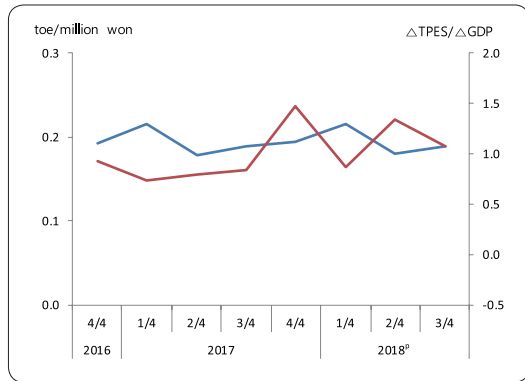


□ 에너지원단위, 에너지탄성치 Energy intensity, Energy elasticity

<1990~2017>

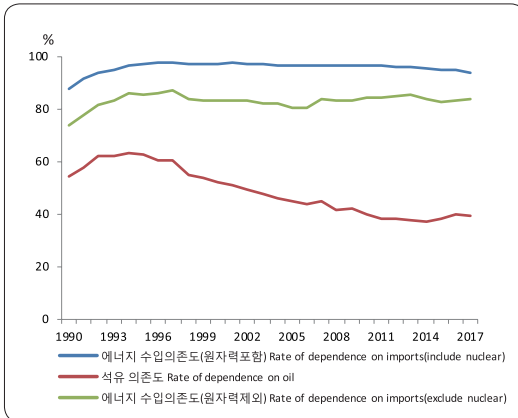


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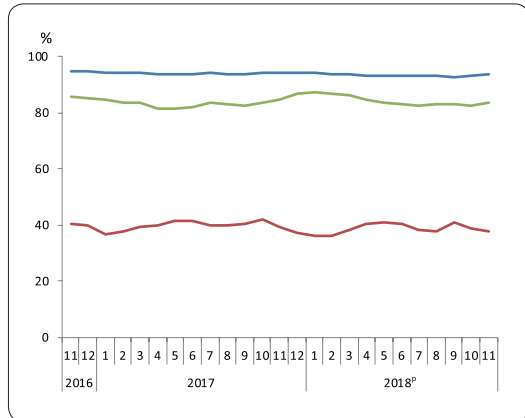


□ 에너지 수입의존도, 석유 의존도 Rate of dependence on imports, Rate of dependence on oil

<1990~2017>



<월별 Monthly>



1.1 주요 에너지지표

Major energy indicators

		1차에너지 공급	최종에너지 소비	에너지원단위 ¹	에너지탄성치 ¹	에너지수입액	에너지 수입의존도 ²	석유 의존도
		TPES	TFEC	Energy intensity	Energy elasticity	Energy import value	Rate of dependence on imports	Rate of dependence on oil
		1,000 toe		toe/million won	△TPES/△GDP	million US\$	%	
1990		92,931	74,701	0.222	1.408	10,908	87.8	54.0
1991		103,294	83,336	0.223	1.072	12,754	91.2	57.7
1992		115,962	94,403	0.236	1.978	14,654	93.6	61.9
1993		126,836	103,850	0.242	1.379	15,088	94.7	61.9
1994		137,108	111,787	0.239	0.880	15,471	96.4	63.0
1995		149,841	121,333	0.238	0.967	19,053	96.8	62.7
1996		165,136	131,573	0.244	1.343	24,243	97.3	60.5
1997		181,058	144,541	0.253	1.634	27,308	97.6	60.4
1998		166,265	132,177	0.246	1.486	18,276	97.1	54.7
1999		181,651	143,027	0.241	0.819	22,745	97.2	53.7
2000		193,240	149,958	0.235	0.717	37,888	97.2	52.1
2001		198,865	153,103	0.232	0.647	33,894	97.3	50.7
2002		209,290	160,876	0.227	0.708	32,290	97.1	49.2
2003		215,772	164,550	0.227	1.068	38,306	96.9	47.8
2004		220,756	166,452	0.222	0.471	49,600	96.6	45.8
2005		229,301	171,176	0.222	0.993	66,697	96.6	44.6
2006		234,062	174,136	0.215	0.399	85,566	96.5	43.8
2007		236,678	181,498	0.206	0.203	94,978	96.6	44.7
2008		240,994	182,490	0.204	0.651	141,475	96.5	41.6
2009		243,500	181,491	0.205	1.486	91,160	96.5	42.1
2010		264,053	194,971	0.209	1.299	121,654	96.5	39.6
2011		276,997	205,772	0.211	1.325	172,490	96.5	38.1
2012		278,324	207,497	0.207	0.208	184,800	96.0	38.1
2013		279,801	209,366	0.203	0.183	178,698	95.7	37.8
2014		282,481	213,201	0.198	0.290	174,137	95.2	37.1
2015		286,936	218,006	0.196	0.563	102,715	94.8	38.0
2016		293,778	225,160	0.195	0.822	80,942	94.6	40.0
2017		302,065	233,901	0.194	0.910	109,466	94.0	39.5
2016	11	25,051	19,485	-	-	8,322	94.6	40
	12	27,707	21,286	0.192	0.928	9,039	94.9	40
2017	1	27,769	21,397	-	-	9,497	94.4	37
	2	25,349	20,100	-	-	9,403	94.2	37
	3	26,232	20,667	0.217	0.740	9,763	94.2	39
	4	22,986	18,313	-	-	8,174	93.6	40
	5	23,450	18,269	-	-	8,731	93.7	42
	6	22,954	17,879	0.178	0.797	8,663	93.7	41
	7	25,111	18,954	-	-	8,100	94.0	40
	8	24,737	18,764	-	-	8,527	93.4	40
	9	24,140	18,463	0.188	0.839	9,031	93.5	41
	10	24,130	18,537	-	-	8,933	94.0	42
	11	26,130	20,165	-	-	9,596	94.0	39
	12	29,077	22,392	0.195	1.480	11,048	94.5	37
2018 ^p	1	29,519	22,794	-	-	11,708	94.5	36
	2	26,004	20,892	-	-	12,051	93.8	36
	3	25,767	20,185	0.216	0.873	10,796	93.7	38
	4	24,046	19,323	-	-	10,773	93.2	40
	5	24,278	19,034	-	-	11,512	93.3	41
	6	23,674	18,466	0.180	1.342	12,745	93.2	40
	7	25,728	18,940	-	-	12,281	93.3	38
	8	26,095	19,400	-	-	12,515	93.2	38
	9	23,749	18,571	0.189	1.070	11,862	92.8	41
	10	24,100	18,452	-	-	13,618	93.2	39
	11	25,503	19,769	-	-	13,683	93.7	38
2017	1-11	272,988	211,509	-	-	98,418	93.9	40
2018 ^p	1-11	278,462	215,827	-	-	133,544	93.5	39

1. 월별 수치는 분기자료임.

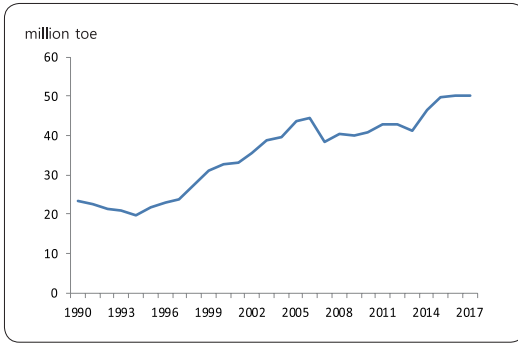
2. 원자력 발전을 국내생산에서 제외

1. Monthly figures are on quarterly basis.

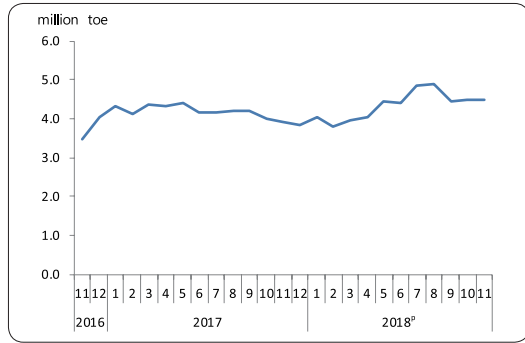
2. Exclude nuclear power from domestic production

□ 에너지 생산 Total energy production

<1990~2017>

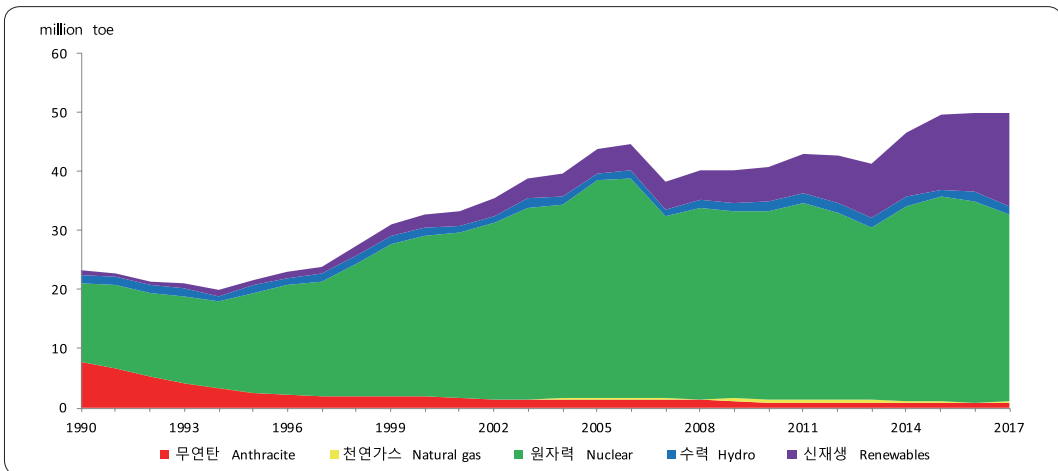


<월별 Monthly>

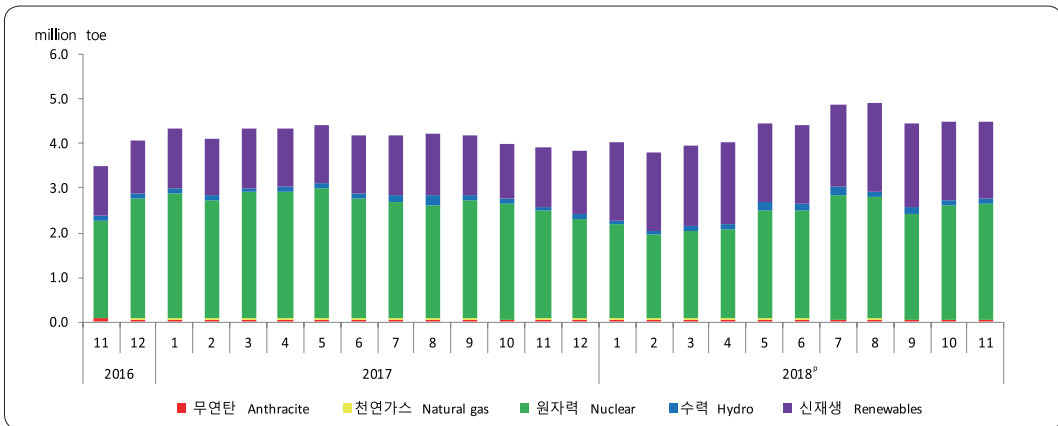


□ 에너지원별 생산 Energy production by source

<1990~2017>



<월별 Monthly>



1.2 에너지 생산

Energy production by source

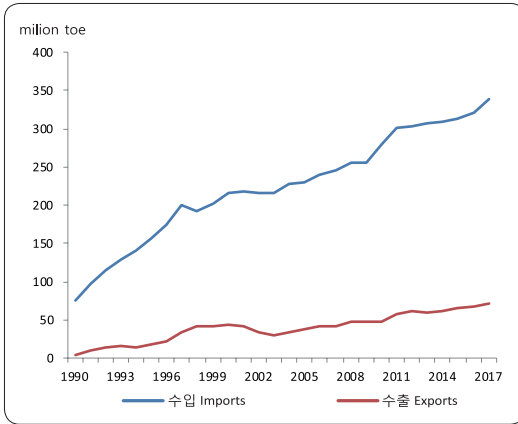
		합계 Total	무연탄 Anthracite	천연가스 ¹ Natural gas	수력 Hydro	원자력 Nuclear	신재생 Renewables
		1,000 toe					
1990		23,357	7,748	-	1,590	13,222	797
1991		22,734	6,776	-	1,263	14,078	618
1992		21,456	5,386	-	1,216	14,133	722
1993		21,011	4,233	-	1,502	14,535	742
1994		19,922	3,329	-	1,025	14,663	906
1995		21,751	2,574	-	1,369	16,757	1,050
1996		23,170	2,228	-	1,300	18,481	1,161
1997		23,997	2,030	-	1,351	19,271	1,344
1998		27,435	1,962	-	1,525	22,422	1,526
1999		30,977	1,889	-	1,517	25,766	1,806
2000		32,641	1,868	-	1,402	27,241	2,130
2001		33,244	1,718	-	1,038	28,033	2,456
2002		35,521	1,493	-	1,327	29,776	2,925
2003		38,864	1,484	-	1,722	32,418	3,241
2004		39,769	1,436	212	1,465	32,679	3,977
2005		43,745	1,274	518	1,297	36,695	3,961
2006		44,582	1,271	461	1,305	37,187	4,358
2007		38,338	1,342	353	1,084	30,731	4,828
2008		40,376	1,289	236	1,196	32,456	5,198
2009		40,133	1,171	498	1,213	31,771	5,480
2010		40,912	969	539	1,391	31,948	6,064
2011		42,987	969	451	1,684	33,265	6,618
2012		42,748	942	436	1,615	31,719	8,036
2013		41,321	817	463	1,771	29,283	8,987
2014		46,716	787	322	1,650	33,002	10,956
2015		49,809	794	188	1,223	34,765	12,839
2016		50,087	777	154	1,400	34,181	13,575
2017		49,995	702	341	1,490	31,615	15,847
2016	11	3,491	72	27	93	2,176	1,124
	12	4,052	68	32	101	2,662	1,188
2017	1	4,338	60	32	115	2,791	1,340
	2	4,115	62	29	108	2,636	1,280
	3	4,347	68	32	107	2,806	1,334
	4	4,336	63	31	109	2,833	1,299
	5	4,411	56	32	129	2,912	1,283
	6	4,163	68	31	120	2,661	1,283
	7	4,163	56	29	136	2,604	1,338
	8	4,208	52	28	206	2,538	1,385
	9	4,199	57	26	143	2,627	1,345
	10	3,990	44	16	121	2,579	1,231
	11	3,898	58	26	96	2,405	1,312
	12	3,825	58	28	100	2,223	1,416
2018 ^p	1	4,036	59	30	104	2,093	1,749
	2	3,795	46	27	94	1,873	1,755
	3	3,950	56	29	99	1,969	1,798
	4	4,046	56	29	106	2,007	1,848
	5	4,456	53	30	169	2,422	1,783
	6	4,413	54	29	156	2,408	1,767
	7	4,855	42	25	172	2,780	1,836
	8	4,902	42	28	149	2,716	1,966
	9	4,432	36	24	152	2,359	1,861
	10	4,502	41	9	109	2,574	1,770
	11	4,496	45	21	113	2,590	1,727
2017	1-11	46,170	645	312	1,390	29,392	14,431
2018 ^p	1-11	47,883	531	282	1,422	25,789	19,859

1. 동해-1 가스전 생산량

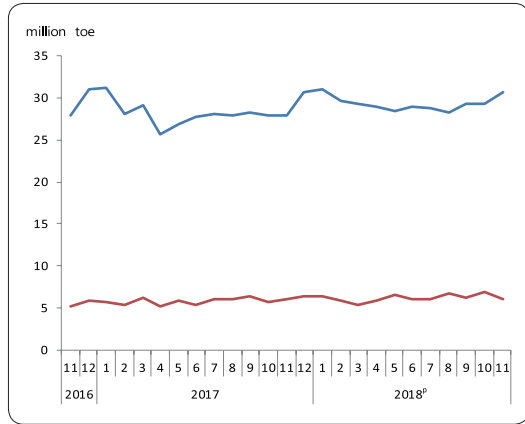
1. Production at Donghae-1 gas field

□ 에너지 수출입 Energy imports and exports

<1990~2017>

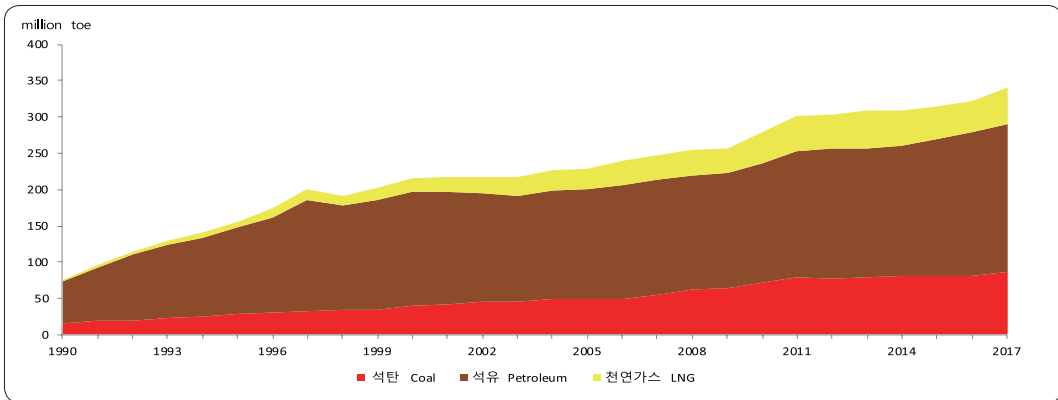


<월별 Monthly>

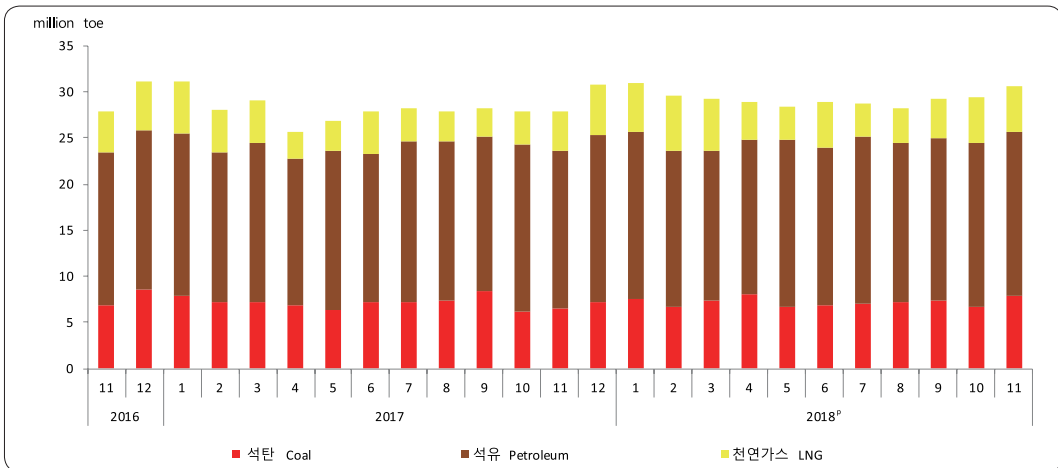


□ 에너지원별 수입 Energy imports by source

<1990~2017>



<월별 Monthly>



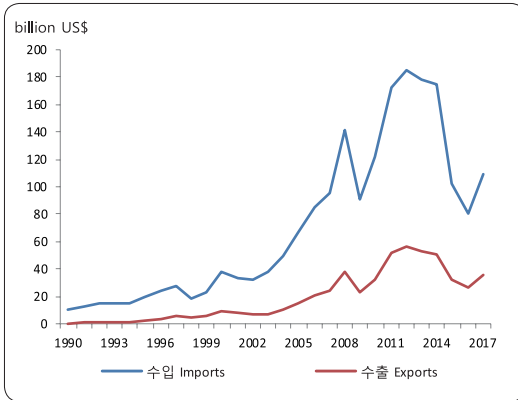
1.3.1 에너지 수출입

Energy imports and exports

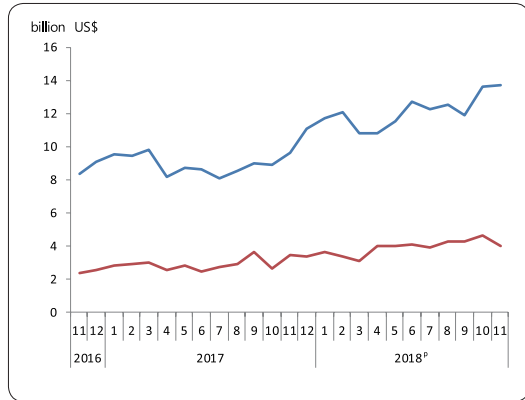
		수입 Imports			수출 Exports		순수입
		합계 Total	석탄 Coal	석유 Petroleum	천연가스 LNG	석유 Petroleum	Net imports
		1,000 toe					
1990		76,040	15,721	57,345	2,974	3,997	72,043
1991		96,612	19,337	73,689	3,586	10,418	86,194
1992		114,946	19,762	90,732	4,453	13,769	101,178
1993		129,051	23,473	99,788	5,790	15,385	113,665
1994		140,427	25,863	106,857	7,707	13,791	126,636
1995		156,664	28,550	118,936	9,178	17,748	138,916
1996		174,277	30,314	131,489	12,473	22,690	151,587
1997		200,894	32,979	152,797	15,118	33,143	167,750
1998		191,456	33,847	143,829	13,780	42,232	149,224
1999		202,665	34,410	151,391	16,865	42,544	160,121
2000		215,687	40,559	156,177	18,951	43,758	171,928
2001		217,250	42,691	153,545	21,013	42,143	175,107
2002		216,801	44,990	149,101	22,711	33,914	182,887
2003		217,031	45,894	145,872	25,264	30,025	187,005
2004		227,497	50,139	148,558	28,799	33,841	193,655
2005		229,255	48,498	151,713	29,044	38,071	191,184
2006		239,683	49,854	157,041	32,788	41,810	197,873
2007		246,306	54,237	158,831	33,239	41,801	204,505
2008		254,887	61,665	157,786	35,436	47,586	207,301
2009		256,573	63,431	159,574	33,568	46,897	209,677
2010		279,145	72,576	164,184	42,384	48,365	230,779
2011		300,906	79,860	173,355	47,690	57,722	243,183
2012		303,395	77,546	178,665	47,184	61,687	241,708
2013		307,930	79,230	176,702	51,998	59,910	248,020
2014		308,558	80,460	179,710	48,388	62,592	245,966
2015		313,516	81,688	188,320	43,509	66,279	247,237
2016		321,918	81,311	196,984	43,623	67,840	254,078
2017		339,687	85,869	204,794	49,023	70,629	269,058
2016	11	27,846	6,940	16,453	4,453	5,268	22,577
	12	31,096	8,505	17,361	5,230	5,903	25,193
2017	1	31,144	7,925	17,615	5,604	5,778	25,366
	2	28,080	7,132	16,267	4,680	5,417	22,663
	3	29,118	7,264	17,266	4,588	6,315	22,803
	4	25,735	6,855	15,845	3,035	5,266	20,468
	5	26,799	6,442	17,114	3,243	5,841	20,958
	6	27,810	7,264	16,034	4,512	5,314	22,496
	7	28,147	7,166	17,447	3,533	6,053	22,094
	8	27,967	7,337	17,239	3,391	5,990	21,977
	9	28,240	8,449	16,713	3,077	6,400	21,840
	10	27,925	6,255	18,076	3,594	5,727	22,198
	11	27,961	6,604	17,024	4,332	6,131	21,830
	12	30,762	7,175	18,153	5,433	6,396	24,365
2018 ^p	1	31,000	7,553	18,054	5,392	6,318	24,682
	2	29,608	6,767	16,900	5,941	5,799	23,810
	3	29,226	7,460	16,168	5,598	5,303	23,923
	4	28,962	8,081	16,693	4,189	5,811	23,151
	5	28,388	6,677	18,089	3,622	6,509	21,879
	6	28,911	6,823	17,202	4,886	6,029	22,882
	7	28,800	7,049	18,173	3,578	6,142	22,658
	8	28,254	7,292	17,181	3,781	6,687	21,567
	9	29,298	7,430	17,533	4,335	6,230	23,068
	10	29,377	6,728	17,719	4,930	6,860	22,517
	11	30,696	7,828	17,776	5,092	6,109	24,587
2017	1-11	308,925	78,694	186,641	43,590	64,232	244,693
2018 ^p	1-11	322,520	79,689	191,488	51,344	67,796	254,724

□ 에너지 수출입액 Energy export and import value

<1990~2017>

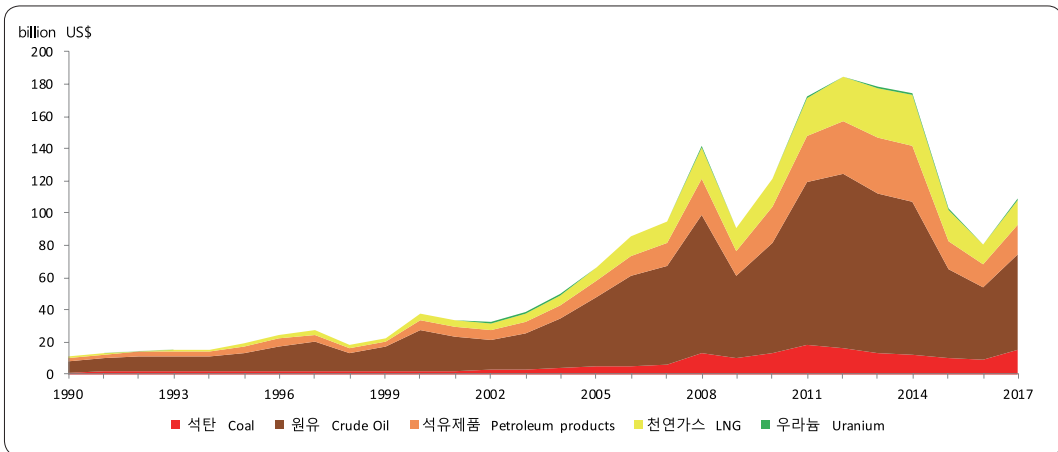


<월별 Monthly>

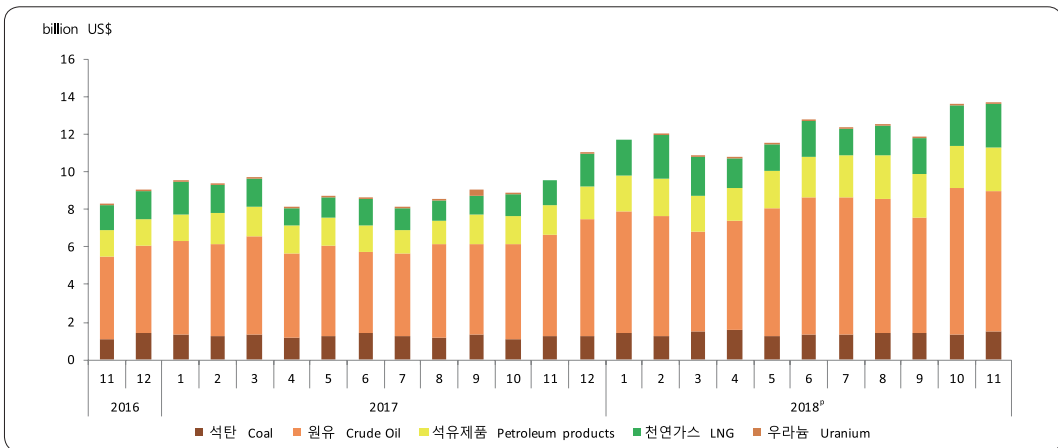


□ 에너지원별 수입액 Import value by energy source

<1990~2017>



<월별 Monthly>



1.3.2 에너지 수출입액

Energy export and import value

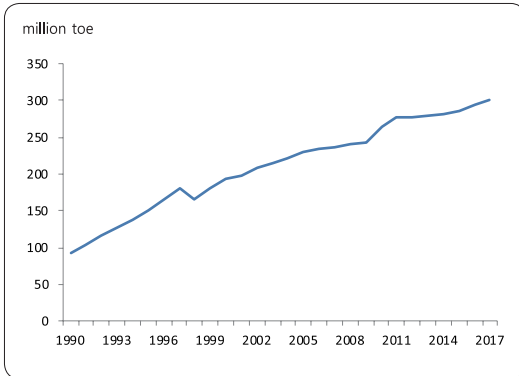
	수입 Imports						수출 Exports	수입액 비중 Energy/Total import	
	합계	석탄	원유	석유제품	천연가스	우라늄	석유		
	Total	Coal	Crude Oil	Petroleum products	LNG	Uranium	Petroleum		
million US\$								%	
1990		10,908	1,288	6,386	2,774	460	1	650	15.6
1991		12,754	1,600	8,134	2,451	485	84	1,451	15.6
1992		14,654	1,616	9,548	2,829	562	98	1,662	17.9
1993		15,088	1,733	9,151	3,288	781	135	1,795	18.0
1994		15,471	1,777	8,878	3,664	961	191	1,668	15.1
1995		19,053	2,081	10,809	4,673	1,275	215	2,393	14.1
1996		24,243	2,337	14,432	5,395	1,878	201	3,809	16.1
1997		27,308	2,399	17,772	4,606	2,296	236	5,259	18.9
1998		18,276	2,229	11,241	3,043	1,549	214	4,523	19.6
1999		22,745	1,966	14,783	3,802	1,973	222	5,709	19.0
2000		37,888	2,186	25,216	6,379	3,882	225	9,257	23.6
2001		33,894	2,347	21,368	5,956	3,990	233	7,910	24.0
2002		32,290	2,475	19,200	6,214	4,120	280	6,446	21.2
2003		38,306	2,552	23,082	7,325	5,082	265	6,721	21.4
2004		49,600	4,438	29,917	8,357	6,552	336	10,272	22.1
2005		66,697	5,443	42,606	9,716	8,646	286	15,444	25.5
2006		85,566	5,318	55,865	12,119	11,925	339	20,505	27.7
2007		94,978	6,445	60,324	15,066	12,653	489	24,060	26.6
2008		141,475	12,810	85,855	22,275	19,806	729	37,684	32.5
2009		91,160	9,995	50,757	15,811	13,875	722	23,069	28.2
2010		121,654	13,131	68,662	22,241	17,006	615	31,699	28.6
2011		172,490	18,477	100,806	28,541	23,859	807	51,794	32.9
2012		184,800	16,069	108,298	32,373	27,364	695	56,385	35.6
2013		178,698	13,074	99,333	34,628	30,645	1,018	53,011	34.7
2014		174,137	12,114	94,907	34,983	31,403	731	51,025	33.1
2015		102,715	9,961	55,120	17,986	18,779	869	32,192	23.5
2016		80,942	9,310	44,295	14,579	12,170	589	26,668	19.9
2017		109,466	15,179	59,603	18,077	15,616	991	35,286	22.9
2016	11	8,322	1,070	4,413	1,416	1,326	97	2,395	22
	12	9,039	1,381	4,694	1,374	1,520	70	2,597	24
2017	1	9,497	1,375	4,915	1,435	1,771	0	2,798	25
	2	9,403	1,279	4,910	1,617	1,499	99	2,934	26
	3	9,763	1,331	5,207	1,644	1,432	149	3,025	23
	4	8,174	1,174	4,460	1,507	950	83	2,513	22
	5	8,731	1,242	4,837	1,466	1,074	113	2,799	22
	6	8,663	1,429	4,350	1,412	1,408	65	2,433	21
	7	8,100	1,237	4,456	1,248	1,105	54	2,732	21
	8	8,527	1,190	4,945	1,275	1,106	11	2,899	21
	9	9,031	1,365	4,777	1,621	993	274	3,672	22
	10	8,933	1,102	5,076	1,497	1,160	98	2,620	24
	11	9,596	1,219	5,447	1,602	1,328	0	3,448	23
	12	11,048	1,237	6,223	1,754	1,789	46	3,413	25
2018 ^p	1	11,708	1,422	6,507	1,908	1,870	0	3,680	26
	2	12,051	1,254	6,363	2,019	2,353	62	3,348	29
	3	10,796	1,496	5,359	1,846	2,094	0	3,078	24
	4	10,773	1,551	5,847	1,763	1,554	58	3,979	25
	5	11,512	1,294	6,766	2,020	1,415	18	3,966	26
	6	12,745	1,305	7,309	2,224	1,907	0	4,114	28
	7	12,281	1,348	7,270	2,230	1,423	10	3,952	27
	8	12,515	1,428	7,139	2,318	1,541	90	4,283	28
	9	11,862	1,458	6,147	2,292	1,865	101	4,284	29
	10	13,618	1,323	7,813	2,212	2,189	80	4,596	28
	11	13,683	1,476	7,535	2,323	2,278	71	4,037	29
2017	1-11	98,418	13,942	53,380	16,323	13,827	946	31,873	23
2018 ^p	1-11	133,544	15,355	74,056	23,155	20,488	490	43,317	27

주: 수입액은 CIF, 수출액은 FOB 기준.
자료: 한국무역협회

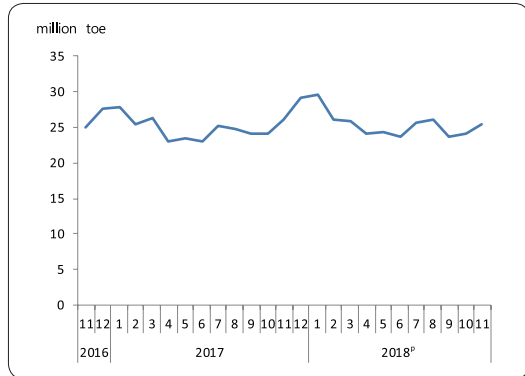
Note: Import values are based on CIF, and export values are based on FOB.
Source: Korea International Trade Association

□ 1차에너지 공급 Total primary energy supply

<1990~2017>

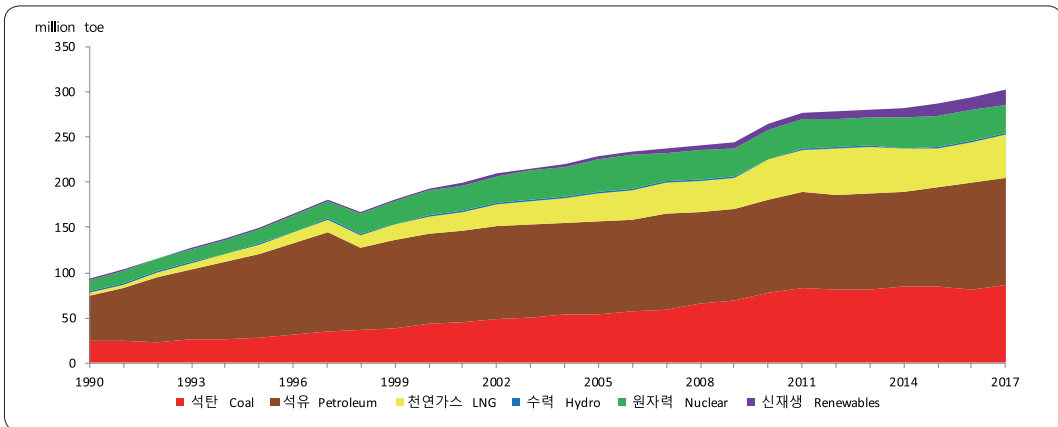


<월별 Monthly>

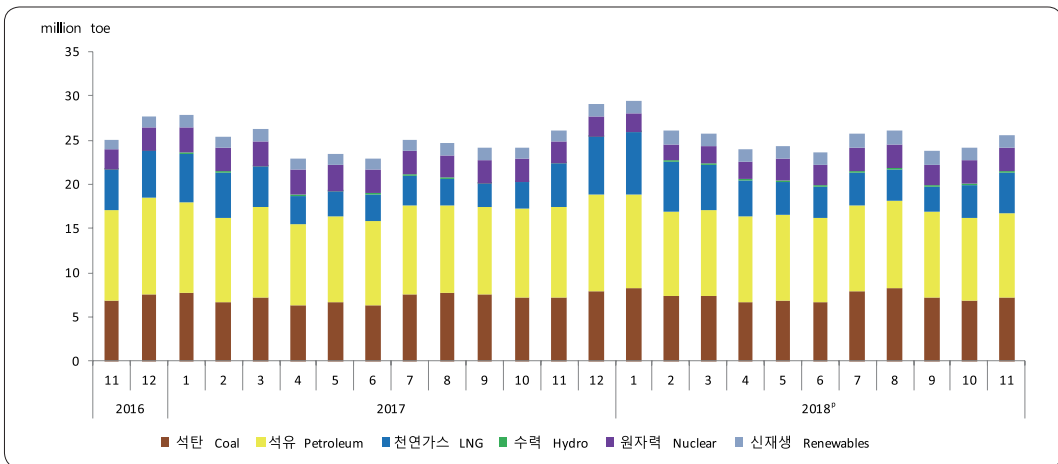


□ 에너지원별 1차에너지 공급 Primary energy supply by source

<1990~2017>



<월별 Monthly>



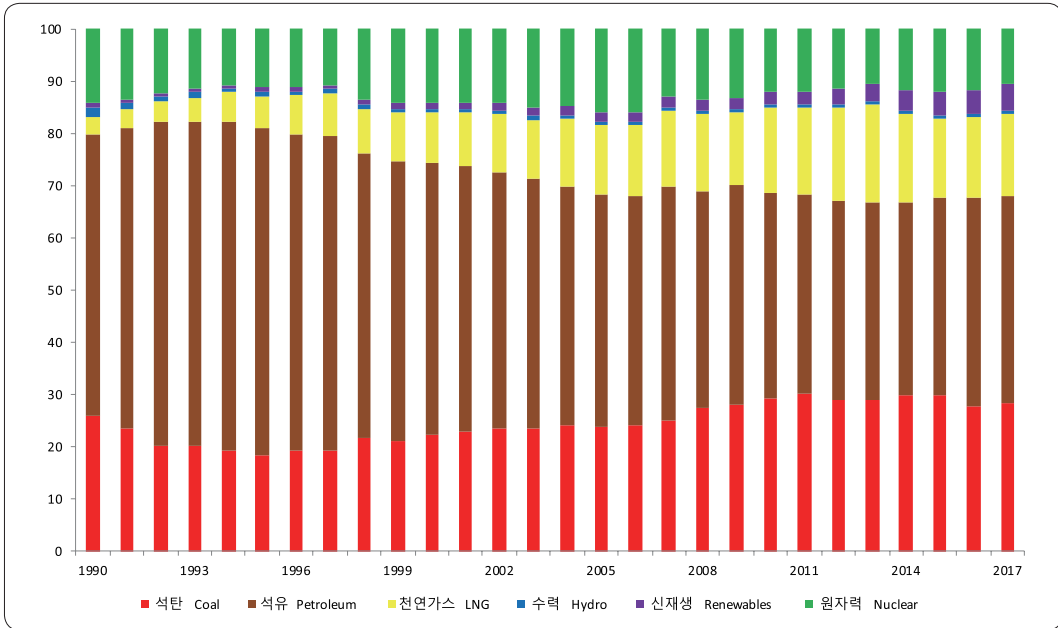
1.4.1 1차에너지 공급

Primary energy supply by source

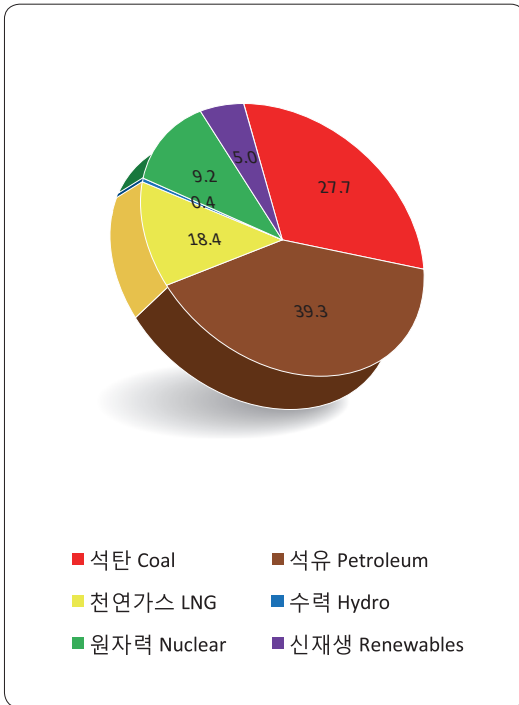
		합계 Total	석탄 Coal	석유 Petroleum	천연가스 LNG	수력 Hydro	원자력 Nuclear	신재생 Renewables
		1,000 toe						
1990		92,931	24,124	50,175	3,023	1,590	13,222	797
1991		103,294	24,206	59,627	3,503	1,263	14,078	618
1992		115,962	23,570	71,740	4,581	1,216	14,133	722
1993		126,836	25,840	78,495	5,723	1,502	14,535	742
1994		137,108	26,532	86,364	7,618	1,025	14,663	906
1995		149,841	27,495	93,956	9,213	1,369	16,757	1,050
1996		165,136	32,100	99,923	12,172	1,300	18,481	1,161
1997		181,058	34,927	109,372	14,792	1,351	19,271	1,344
1998		166,265	36,051	90,904	13,838	1,525	22,422	1,526
1999		181,651	38,157	97,556	16,849	1,517	25,766	1,806
2000		193,240	42,925	100,618	18,924	1,402	27,241	2,130
2001		198,865	45,724	100,827	20,787	1,038	28,033	2,456
2002		209,290	49,131	103,034	23,096	1,327	29,776	2,925
2003		215,772	51,124	103,073	24,194	1,722	32,418	3,241
2004		220,756	53,198	101,085	28,351	1,465	32,679	3,977
2005		229,301	54,795	102,197	30,355	1,297	36,695	3,961
2006		234,062	56,652	102,555	32,004	1,305	37,187	4,358
2007		236,678	59,653	105,718	34,663	1,084	30,731	4,828
2008		240,994	66,100	100,373	35,671	1,196	32,456	5,198
2009		243,500	68,595	102,534	33,908	1,213	31,771	5,480
2010		264,053	77,142	104,499	43,008	1,391	31,948	6,064
2011		276,997	83,687	105,459	46,284	1,684	33,265	6,618
2012		278,324	80,636	106,133	50,185	1,615	31,719	8,036
2013		279,801	81,544	105,693	52,523	1,771	29,283	8,987
2014		282,153	84,070	104,702	47,773	1,650	33,002	10,956
2015		286,936	85,401	109,094	43,613	1,223	34,765	12,839
2016		293,778	81,499	117,605	45,518	1,400	34,181	13,575
2017		302,065	86,177	119,400	47,536	1,490	31,615	15,847
2016	11	25,051	6,899	10,134	4,626	93	2,176	1,124
	12	27,707	7,500	11,002	5,253	101	2,662	1,188
2017	1	27,769	7,782	10,137	5,605	115	2,791	1,340
	2	25,349	6,744	9,502	5,079	108	2,636	1,280
	3	26,232	7,133	10,261	4,591	107	2,806	1,334
	4	22,986	6,340	9,174	3,230	109	2,833	1,299
	5	23,450	6,607	9,759	2,760	129	2,912	1,283
	6	22,954	6,401	9,486	3,002	120	2,661	1,283
	7	25,111	7,615	10,077	3,340	136	2,604	1,338
	8	24,737	7,688	9,891	3,029	206	2,538	1,385
	9	24,140	7,543	9,816	2,666	143	2,627	1,345
	10	24,130	7,191	10,150	2,859	121	2,579	1,231
	11	26,130	7,240	10,270	4,806	96	2,405	1,312
	12	29,077	7,893	10,876	6,569	100	2,223	1,416
2018 ^p	1	29,519	8,256	10,677	6,949	104	2,093	1,440
	2	26,004	7,451	9,456	5,685	94	1,873	1,445
	3	25,767	7,306	9,832	5,106	99	1,969	1,456
	4	24,046	6,613	9,699	4,136	106	2,007	1,484
	5	24,278	6,770	9,877	3,628	169	2,422	1,412
	6	23,674	6,717	9,555	3,422	156	2,408	1,417
	7	25,728	7,896	9,808	3,574	172	2,780	1,499
	8	26,095	8,258	9,856	3,543	149	2,716	1,572
	9	23,749	7,195	9,742	2,813	152	2,359	1,489
	10	24,100	6,803	9,345	3,841	109	2,574	1,429
	11	25,503	7,124	9,688	4,592	113	2,590	1,396
2017	1-11	272,988	78,284	108,524	40,968	1,390	29,392	14,431
2018 ^p	1-11	278,462	80,389	107,535	47,289	1,422	25,789	16,038

□ 1차에너지 공급 구성비 Composition rate of primary energy supply(%)

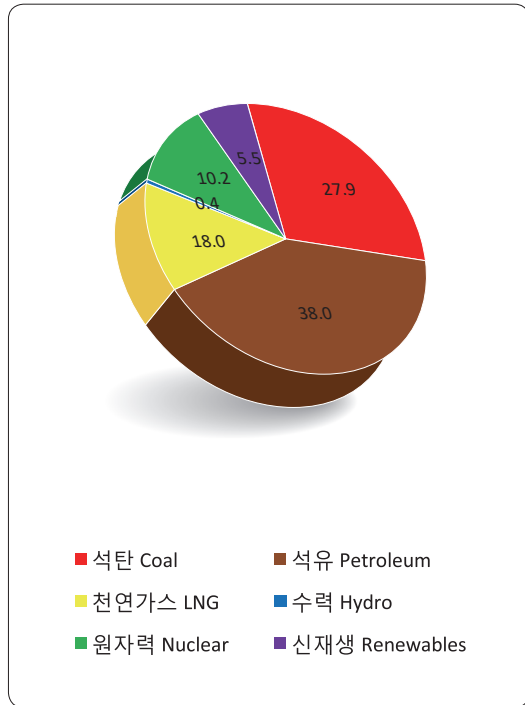
<1990~2017>



□ 2017년 11월 November 2017(%)



□ 2018년 11월 November 2018^P(%)



1.4.2 1차에너지 원별 구성비

Composition rate of primary energy supply

		석탄 Coal	석유 Petroleum	천연가스 LNG	수력 Hydro	원자력 Nuclear	신재생 Renewables
		%					
1990		26.0	54.0	3.3	1.7	14.2	0.9
1991		23.4	57.7	3.4	1.2	13.6	0.6
1992		20.3	61.9	4.0	1.0	12.2	0.6
1993		20.4	61.9	4.5	1.2	11.5	0.6
1994		19.4	63.0	5.6	0.7	10.7	0.7
1995		18.3	62.7	6.1	0.9	11.2	0.7
1996		19.4	60.5	7.4	0.8	11.2	0.7
1997		19.3	60.4	8.2	0.7	10.6	0.7
1998		21.7	54.7	8.3	0.9	13.5	0.9
1999		21.0	53.7	9.3	0.8	14.2	1.0
2000		22.2	52.1	9.8	0.7	14.1	1.1
2001		23.0	50.7	10.5	0.5	14.1	1.2
2002		23.5	49.2	11.0	0.6	14.2	1.4
2003		23.7	47.8	11.2	0.8	15.0	1.5
2004		24.1	45.8	12.8	0.7	14.8	1.8
2005		23.9	44.6	13.2	0.6	16.0	1.7
2006		24.2	43.8	13.7	0.6	15.9	1.9
2007		25.2	44.7	14.6	0.5	13.0	2.0
2008		27.4	41.6	14.8	0.5	13.5	2.2
2009		28.2	42.1	13.9	0.5	13.0	2.3
2010		29.2	39.6	16.3	0.5	12.1	2.3
2011		30.2	38.1	16.7	0.6	12.0	2.4
2012		29.0	38.1	18.0	0.6	11.4	2.9
2013		29.1	37.8	18.8	0.6	10.5	3.2
2014		29.8	37.1	16.9	0.6	11.7	3.9
2015		29.8	38.0	15.2	0.4	12.1	4.5
2016		27.7	40.0	15.5	0.5	11.6	4.6
2017		28.5	39.5	15.7	0.5	10.5	5.2
2016	11	27.5	40.5	18.5	0.4	8.7	4.5
	12	27.1	39.7	19.0	0.4	9.6	4.3
2017	1	28.0	36.5	20.2	0.4	10.1	4.8
	2	26.6	37.5	20.0	0.4	10.4	5.1
	3	27.2	39.1	17.5	0.4	10.7	5.1
	4	27.6	39.9	14.1	0.5	12.3	5.7
	5	28.2	41.6	11.8	0.6	12.4	5.5
	6	27.9	41.3	13.1	0.5	11.6	5.6
	7	30.3	40.1	13.3	0.5	10.4	5.3
	8	31.1	40.0	12.2	0.8	10.3	5.6
	9	31.2	40.7	11.0	0.6	10.9	5.6
	10	29.8	42.1	11.8	0.5	10.7	5.1
	11	27.7	39.3	18.4	0.4	9.2	5.0
	12	27.1	37.4	22.6	0.3	7.6	4.9
2018 ^p	1	28.0	36.2	23.5	0.4	7.1	4.9
	2	28.7	36.4	21.9	0.4	7.2	5.6
	3	28.4	38.2	19.8	0.4	7.6	5.6
	4	27.5	40.3	17.2	0.4	8.3	6.2
	5	27.9	40.7	14.9	0.7	10.0	5.8
	6	28.4	40.4	14.5	0.7	10.2	6.0
	7	30.7	38.1	13.9	0.7	10.8	5.8
	8	31.6	37.8	13.6	0.6	10.4	6.0
	9	30.3	41.0	11.8	0.6	9.9	6.3
	10	28.2	38.8	15.9	0.5	10.7	5.9
	11	27.9	38.0	18.0	0.4	10.2	5.5
2017	1-11	28.7	39.8	15.0	0.5	10.8	5.3
2018 ^p	1-11	28.9	38.6	17.0	0.5	9.3	5.8

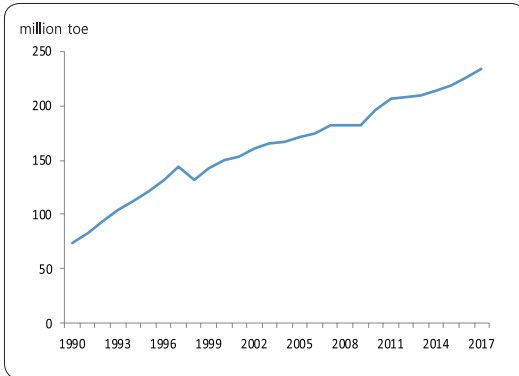
2. 최종에너지 소비

Final energy consumption

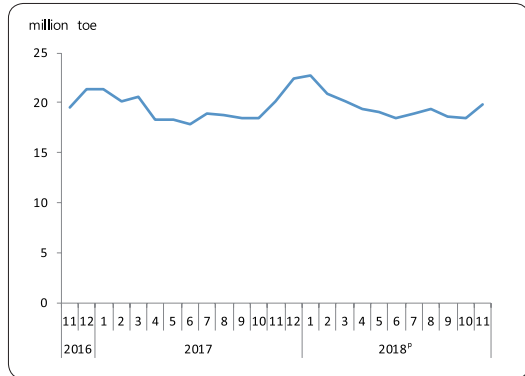


□ 최종에너지 소비 Total final energy consumption

<1990~2017>

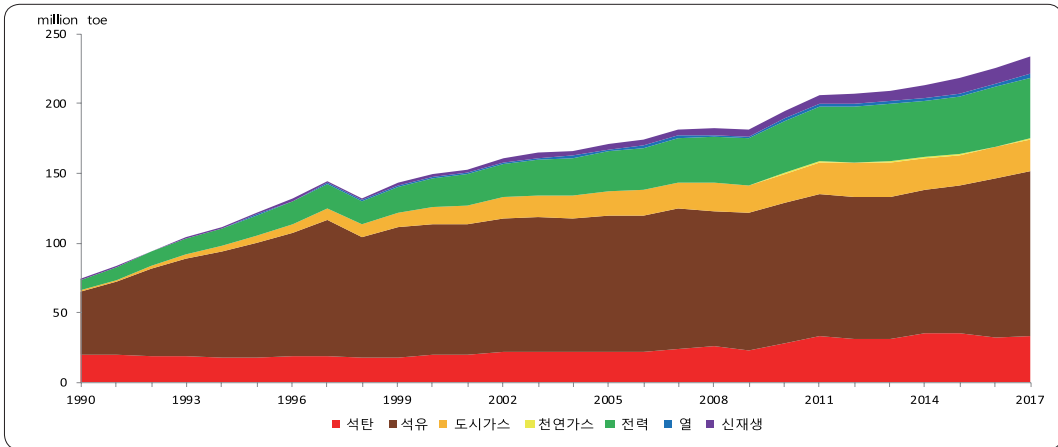


<월별 Monthly>

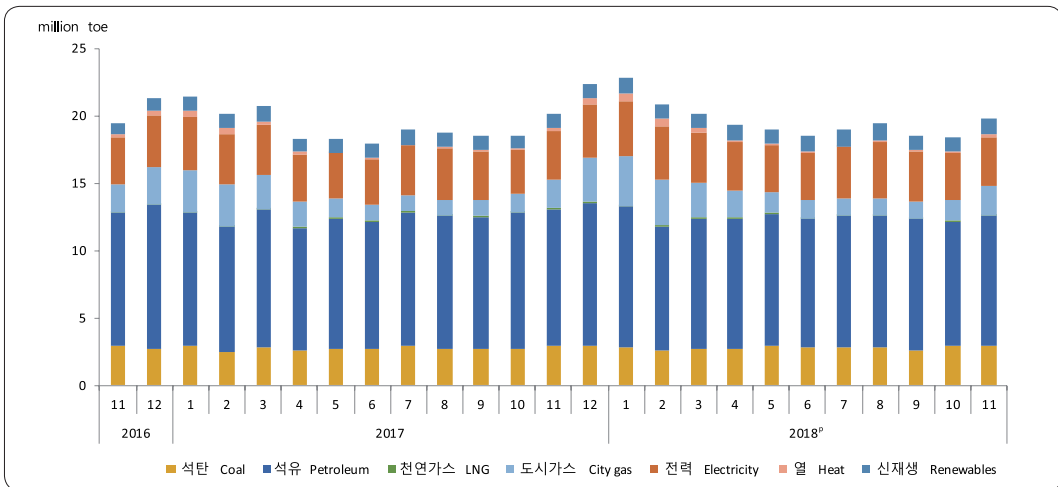


□ 에너지원별 최종에너지 소비 Final energy consumption by source

<1990~2017>



<월별 Monthly>



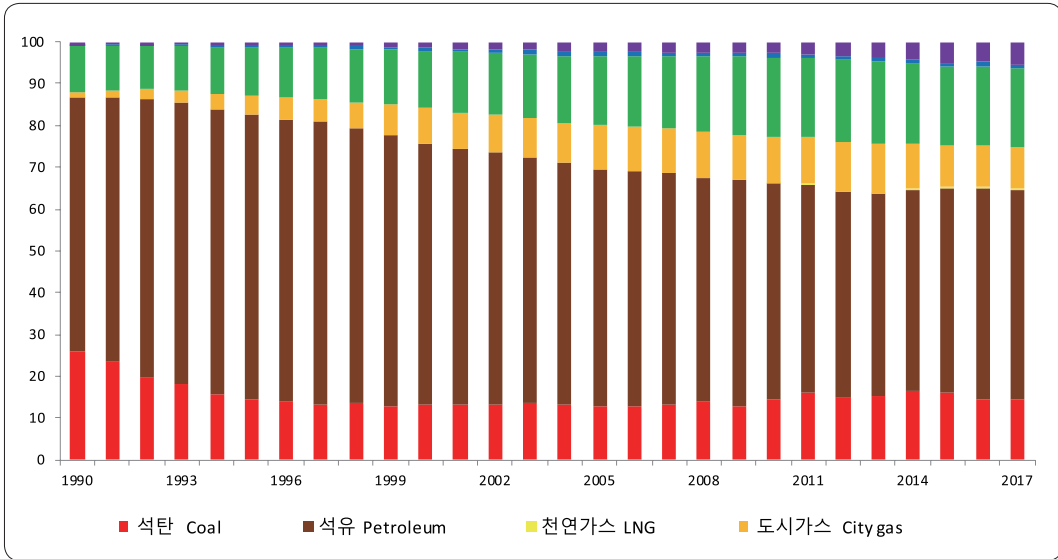
2.1.1 최종에너지 원별 소비

Final energy consumption by source

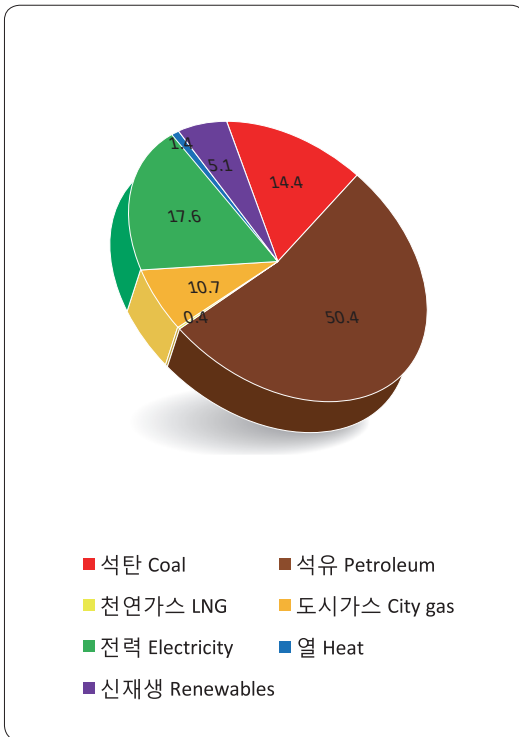
		합계	석탄	석유	천연가스	도시가스	전력	열	신재생
		Total	Coal	Petroleum	LNG	City gas	Electricity	Heat	Renewables
		1,000 toe							
1990		74,701	19,454	45,252	-	1,011	8,111	75	797
1991		83,336	19,447	52,675	-	1,540	8,976	80	618
1992		94,403	18,469	62,939	-	2,219	9,911	143	722
1993		103,850	18,860	69,876	-	3,027	10,985	360	742
1994		111,787	17,423	76,339	-	4,057	12,602	460	906
1995		121,333	17,327	82,679	-	5,594	14,041	641	1,050
1996		131,573	18,406	88,566	-	6,937	15,692	811	1,161
1997		144,541	18,891	98,036	-	8,093	17,267	909	1,344
1998		132,177	17,993	86,712	-	8,425	16,638	882	1,526
1999		143,027	18,325	92,928	-	10,513	18,422	1,033	1,806
2000		149,958	19,661	93,839	0	12,561	20,600	1,167	2,130
2001		153,103	20,357	93,617	-	13,290	22,165	1,218	2,456
2002		160,876	21,485	96,635	-	14,567	23,947	1,316	2,925
2003		164,550	22,428	96,669	-	15,470	25,250	1,523	3,210
2004		166,452	22,100	95,942	-	16,193	26,840	1,449	3,928
2005		171,176	22,154	97,076	-	17,811	28,588	1,652	3,896
2006		174,136	22,461	97,665	-	18,379	29,990	1,549	4,092
2007		181,498	24,056	100,720	-	18,955	31,700	1,576	4,491
2008		182,490	25,879	97,316	-	19,765	33,116	1,668	4,747
2009		181,491	23,015	98,516	-	19,459	33,925	1,709	4,867
2010		194,971	28,189	100,519	559	21,081	37,338	1,939	5,346
2011		205,772	32,860	102,294	801	22,871	39,136	1,976	5,834
2012		207,497	31,017	101,682	717	24,728	40,127	2,102	7,124
2013		209,366	31,603	101,701	467	24,878	40,837	2,102	7,779
2014		213,201	35,198	102,721	460	23,041	41,073	1,528	9,179
2015		218,006	34,849	106,858	437	21,678	41,594	1,967	10,623
2016		225,160	32,342	114,264	504	22,186	42,745	2,183	10,936
2017		233,901	33,360	117,861	795	23,258	43,666	2,441	12,520
2016	11	19,485	2,911	9,925	34	2,017	3,462	238	898
	12	21,286	2,763	10,663	34	2,765	3,744	365	952
2017	1	21,397	2,969	9,853	42	3,127	3,887	440	1,079
	2	20,100	2,541	9,246	45	3,030	3,820	380	1,037
	3	20,667	2,883	10,156	41	2,580	3,660	288	1,059
	4	18,313	2,594	9,101	52	1,888	3,510	149	1,017
	5	18,269	2,736	9,671	77	1,381	3,332	82	991
	6	17,879	2,709	9,417	74	1,193	3,412	64	1,012
	7	18,954	2,911	9,962	77	1,142	3,716	65	1,081
	8	18,764	2,728	9,811	79	1,097	3,900	62	1,087
	9	18,463	2,727	9,762	73	1,153	3,641	59	1,049
	10	18,537	2,706	10,095	82	1,295	3,300	99	962
	11	20,165	2,909	10,173	74	2,153	3,551	277	1,028
	12	22,392	2,947	10,615	79	3,219	3,937	476	1,119
2018 ^p	1	22,794	2,874	10,368	78	3,648	4,159	526	1,142
	2	20,892	2,605	9,202	72	3,339	4,020	497	1,157
	3	20,185	2,741	9,611	79	2,631	3,693	288	1,142
	4	19,323	2,766	9,637	77	1,931	3,615	164	1,133
	5	19,034	2,896	9,816	78	1,556	3,486	107	1,094
	6	18,466	2,872	9,469	76	1,330	3,530	71	1,118
	7	18,940	2,872	9,664	76	1,288	3,787	69	1,185
	8	19,400	2,864	9,702	74	1,205	4,260	63	1,231
	9	18,571	2,645	9,688	73	1,186	3,761	59	1,160
	10	18,452	2,907	9,229	75	1,584	3,438	136	1,083
	11	19,769	2,962	9,617	69	2,181	3,604	255	1,081
2017	1-11	211,509	30,413	107,246	715	20,039	39,729	1,966	11,401
2018 ^p	1-11	215,827	31,006	106,003	827	21,881	41,351	2,234	12,526

□ 최종에너지 원별 구성비 Composition rate of final energy supply(%)

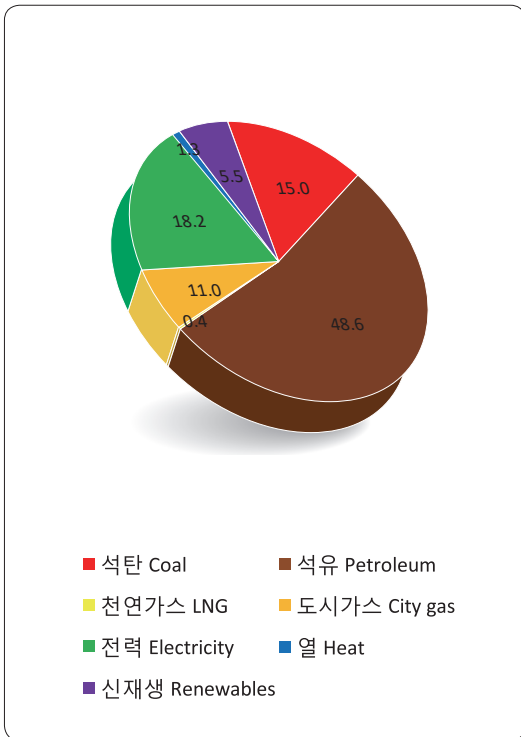
<1990~2017>



□ 2017년 11월 November 2017(%)



□ 2018년 11월 November 2018^P(%)



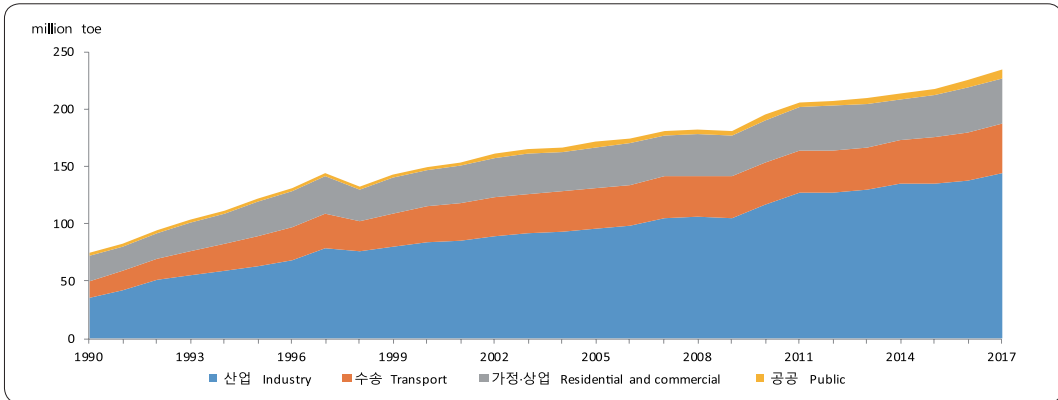
2.1.2 최종에너지 원별 구성비

Composition rate of final energy consumption

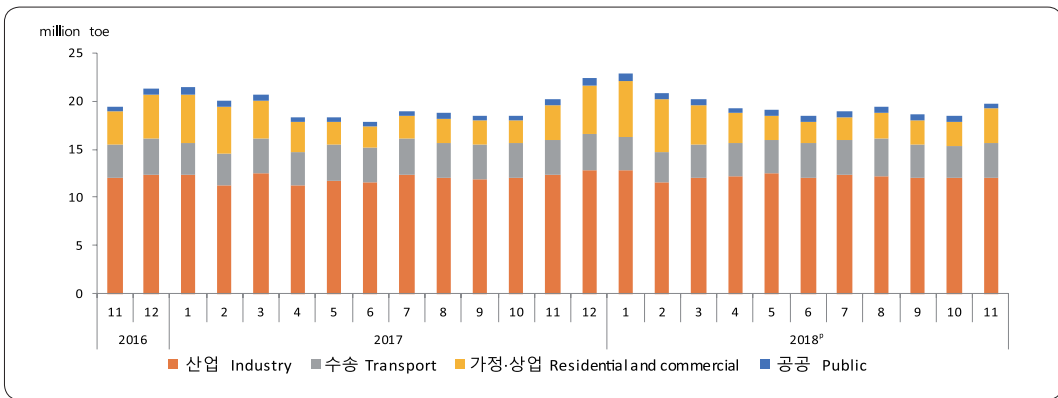
		석탄 Coal	석유 Petroleum	천연가스 LNG	도시가스 City gas	전력 Electricity	열 Heat	신재생 Renewables
		%						
1990		26.0	60.6	0.0	1.4	10.9	0.1	1.1
1991		23.3	63.2	0.0	1.8	10.8	0.1	0.7
1992		19.6	66.7	0.0	2.4	10.5	0.2	0.8
1993		18.2	67.3	0.0	2.9	10.6	0.3	0.7
1994		15.6	68.3	0.0	3.6	11.3	0.4	0.8
1995		14.3	68.1	0.0	4.6	11.6	0.5	0.9
1996		14.0	67.3	0.0	5.3	11.9	0.6	0.9
1997		13.1	67.8	0.0	5.6	11.9	0.6	0.9
1998		13.6	65.6	0.0	6.4	12.6	0.7	1.2
1999		12.8	65.0	0.0	7.4	12.9	0.7	1.3
2000		13.1	62.6	0.0	8.4	13.7	0.8	1.4
2001		13.3	61.1	0.0	8.7	14.5	0.8	1.6
2002		13.4	60.1	0.0	9.1	14.9	0.8	1.8
2003		13.6	58.7	0.0	9.4	15.3	0.9	2.0
2004		13.3	57.6	0.0	9.7	16.1	0.9	2.4
2005		12.9	56.7	0.0	10.4	16.7	1.0	2.3
2006		12.9	56.1	0.0	10.6	17.2	0.9	2.3
2007		13.3	55.5	0.0	10.4	17.5	0.9	2.5
2008		14.2	53.3	0.0	10.8	18.1	0.9	2.6
2009		12.7	54.3	0.0	10.7	18.7	0.9	2.7
2010		14.5	51.6	0.3	10.8	19.2	1.0	2.7
2011		16.0	49.7	0.4	11.1	19.0	1.0	2.8
2012		14.9	49.0	0.3	11.9	19.3	1.0	3.4
2013		15.1	48.6	0.2	11.9	19.5	1.0	3.7
2014		16.5	48.2	0.2	10.8	19.3	0.7	4.3
2015		16.0	49.0	0.2	9.9	19.1	0.9	4.9
2016		14.4	50.7	0.2	9.9	19.0	1.0	4.9
2017		14.3	50.4	0.3	9.9	18.7	1.0	5.4
2016	11	14.9	50.9	0.2	10.4	17.8	1.2	4.6
	12	13.0	50.1	0.2	13.0	17.6	1.7	4.5
2017	1	13.9	46.0	0.2	14.6	18.2	2.1	5.0
	2	12.6	46.0	0.2	15.1	19.0	1.9	5.2
	3	14.0	49.1	0.2	12.5	17.7	1.4	5.1
	4	14.2	49.7	0.3	10.3	19.2	0.8	5.6
	5	15.0	52.9	0.4	7.6	18.2	0.4	5.4
	6	15.2	52.7	0.4	6.7	19.1	0.4	5.7
	7	15.4	52.6	0.4	6.0	19.6	0.3	5.7
	8	14.5	52.3	0.4	5.8	20.8	0.3	5.8
	9	14.8	52.9	0.4	6.2	19.7	0.3	5.7
	10	14.6	54.5	0.4	7.0	17.8	0.5	5.2
	11	14.4	50.4	0.4	10.7	17.6	1.4	5.1
	12	13.2	47.4	0.4	14.4	17.6	2.1	5.0
2018 ^p	1	12.6	45.5	0.3	16.0	18.2	2.3	5.0
	2	12.5	44.0	0.3	16.0	19.2	2.4	5.5
	3	13.6	47.6	0.4	13.0	18.3	1.4	5.7
	4	14.3	49.9	0.4	10.0	18.7	0.8	5.9
	5	15.2	51.6	0.4	8.2	18.3	0.6	5.7
	6	15.6	51.3	0.4	7.2	19.1	0.4	6.1
	7	15.2	51.0	0.4	6.8	20.0	0.4	6.3
	8	14.8	50.0	0.4	6.2	22.0	0.3	6.3
	9	14.2	52.2	0.4	6.4	20.3	0.3	6.2
	10	15.8	50.0	0.4	8.6	18.6	0.7	5.9
	11	15.0	48.6	0.4	11.0	18.2	1.3	5.5
2017	1-11	14.4	50.7	0.3	9.5	18.8	0.9	5.4
2018 ^p	1-11	14.4	49.1	0.4	10.1	19.2	1.0	5.8

□ 최종에너지 부문별 소비 Final energy consumption by sector

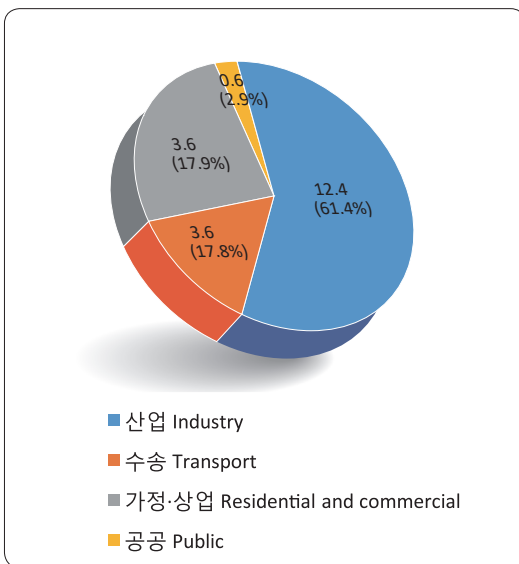
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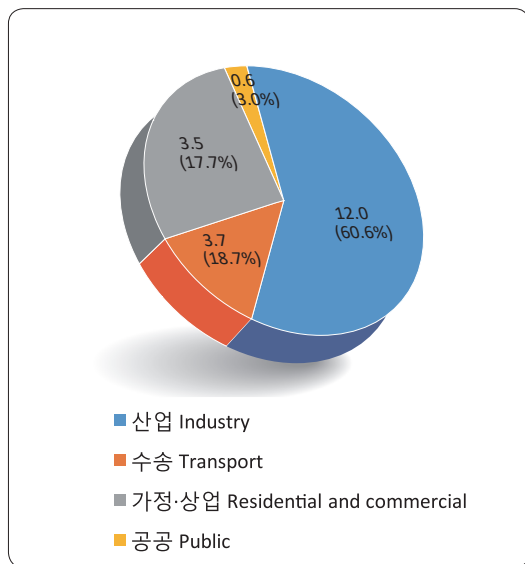
<월별 Monthly>



□ 2017년 11월 November 2017(%)



□ 2018년 11월 November 2018^P(%)



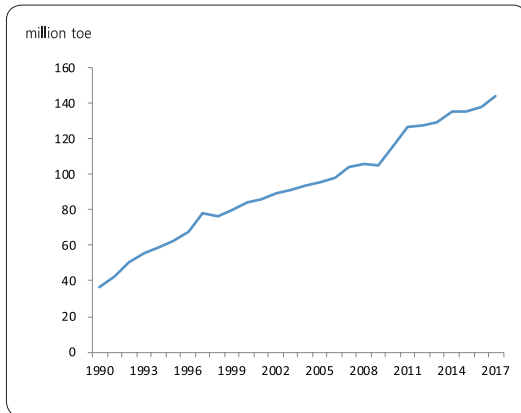
2.2.1 최종에너지 부문별 소비

Final energy consumption by sector

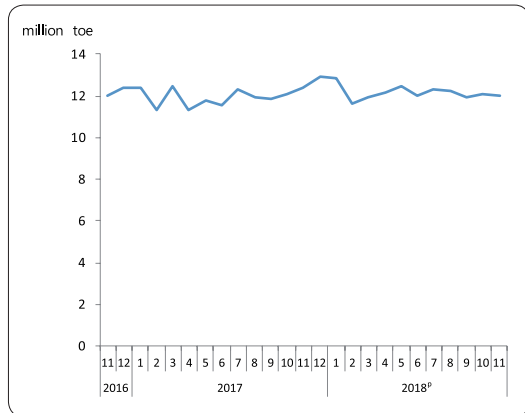
		합계 Total	산업 Industry	수송 Transport	가정·상업 Residential and commercial	공공 Public
		1,000 toe				
1990		74,701	36,144	14,173	21,572	2,812
1991		83,336	42,701	16,156	21,666	2,813
1992		94,403	50,818	18,531	22,807	2,247
1993		103,850	55,563	21,119	24,872	2,296
1994		111,787	58,741	23,857	26,728	2,462
1995		121,333	62,695	27,130	29,093	2,415
1996		131,573	67,751	29,789	31,374	2,659
1997		144,541	78,322	30,736	32,768	2,715
1998		132,177	76,353	26,178	27,156	2,489
1999		143,027	80,114	28,625	31,640	2,649
2000		149,958	84,237	30,945	32,153	2,623
2001		153,103	85,562	31,910	32,639	2,991
2002		160,876	89,755	33,765	34,160	3,196
2003		164,550	91,400	34,634	34,915	3,601
2004		166,452	93,650	34,635	34,566	3,600
2005		171,176	95,211	35,534	36,336	4,095
2006		174,136	97,839	36,522	35,925	3,849
2007		181,498	104,348	37,059	35,943	4,148
2008		182,490	106,338	35,756	36,292	4,104
2009		181,491	105,464	35,892	35,835	4,299
2010		194,971	116,160	36,903	37,427	4,481
2011		205,772	126,545	36,842	37,821	4,564
2012		207,497	127,702	36,783	38,236	4,776
2013		209,366	129,405	36,961	37,813	5,187
2014		213,201	135,117	37,241	35,518	5,326
2015		218,006	135,385	39,851	37,021	5,750
2016		225,160	137,912	42,271	38,728	6,248
2017		233,901	144,260	42,796	39,907	6,938
2016	11	19,485	12,001	3,503	3,471	510
	12	21,286	12,374	3,739	4,566	607
2017	1	21,397	12,422	3,275	5,044	655
	2	20,100	11,302	3,273	4,872	652
	3	20,667	12,482	3,590	3,980	615
	4	18,313	11,291	3,453	3,033	535
	5	18,269	11,754	3,692	2,328	496
	6	17,879	11,543	3,608	2,199	530
	7	18,954	12,278	3,796	2,317	562
	8	18,764	11,967	3,710	2,512	576
	9	18,463	11,878	3,655	2,394	537
	10	18,537	12,065	3,522	2,461	490
	11	20,165	12,385	3,591	3,609	581
	12	22,392	12,893	3,632	5,158	709
2018 ^p	1	22,794	12,807	3,507	5,744	737
	2	20,892	11,612	3,132	5,431	717
	3	20,185	11,961	3,557	4,022	645
	4	19,323	12,140	3,498	3,091	594
	5	19,034	12,436	3,551	2,525	522
	6	18,466	11,988	3,627	2,295	556
	7	18,940	12,339	3,660	2,363	578
	8	19,400	12,221	3,816	2,740	623
	9	18,571	11,959	3,557	2,450	606
	10	18,452	12,044	3,213	2,661	534
	11	19,769	11,986	3,706	3,489	587
2017	1-11	211,509	131,366	39,164	34,749	6,229
2018 ^p	1-11	215,827	133,493	38,825	36,810	6,699

□ 산업 Industry

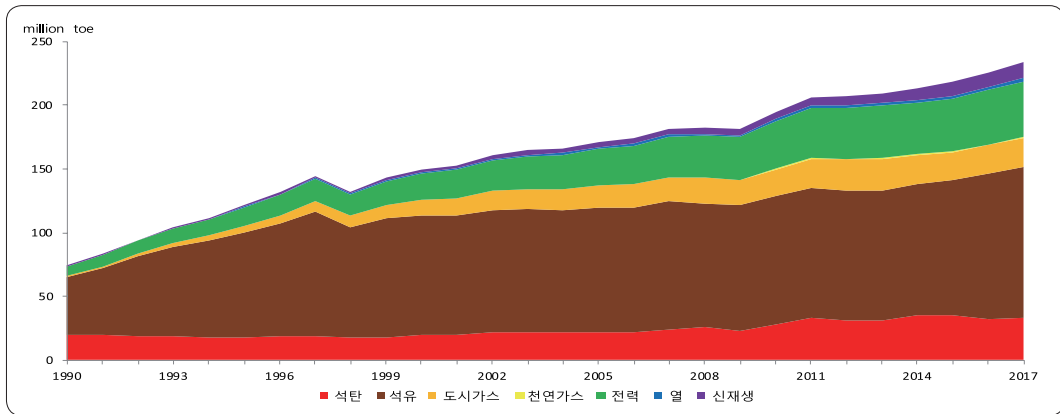
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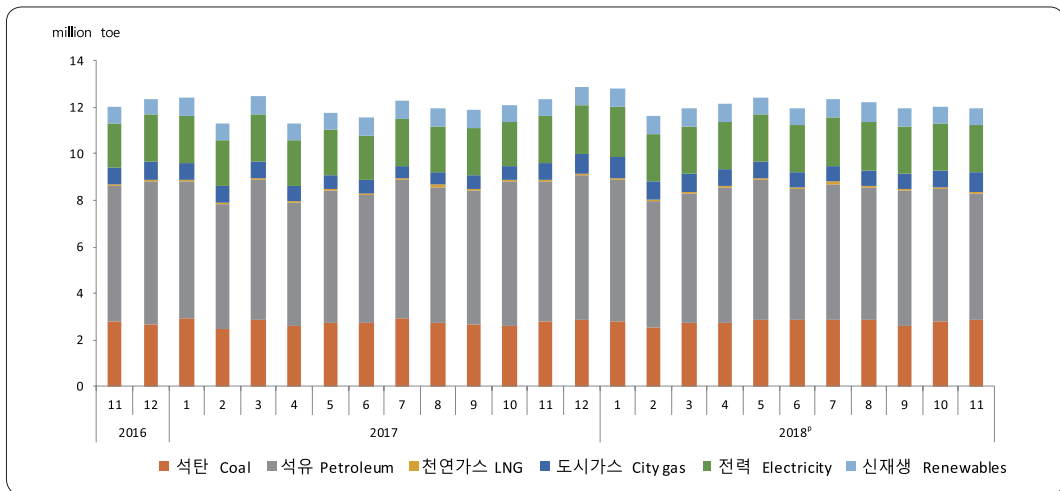
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<1990~2017>



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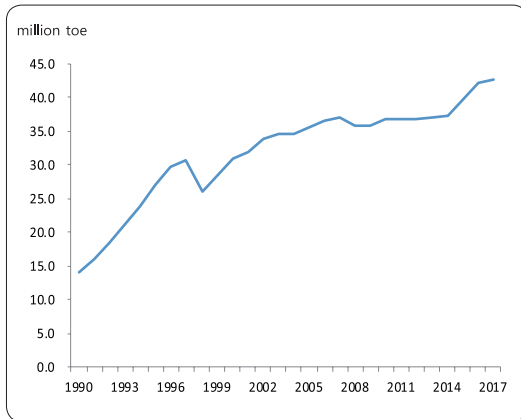
2.2.2 산업

Industry

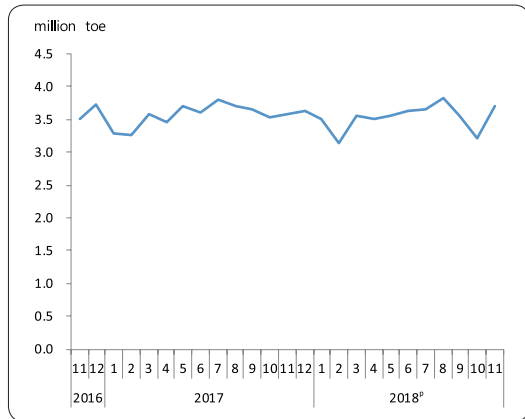
		합계 Total	석탄 Coal	석유 Petroleum	천연가스 LNG	도시가스 City gas	전력 Electricity	신재생 Renewables
		1,000 toe						
1990		36,144	10,806	20,014	-	235	5,089	0
1991		42,701	12,532	24,251	-	313	5,606	0
1992		50,818	13,381	30,514	-	377	6,063	482
1993		55,563	15,299	32,654	-	460	6,581	569
1994		58,741	15,305	35,906	-	600	6,304	626
1995		62,695	15,972	36,830	-	863	8,293	736
1996		67,751	17,523	38,940	-	1,196	9,179	912
1997		78,322	18,266	47,429	-	1,496	10,009	1,123
1998		76,353	17,440	46,456	-	1,812	9,359	1,287
1999		80,114	17,822	47,800	-	2,530	10,394	1,568
2000		84,237	19,125	48,522	0	3,308	11,374	1,908
2001		85,562	19,804	48,254	-	3,612	11,678	2,215
2002		89,755	20,956	50,032	-	3,984	12,423	2,359
2003		91,400	21,890	49,898	-	4,177	12,933	2,503
2004		93,650	21,475	50,839	-	4,382	13,617	3,337
2005		95,211	21,242	51,746	-	4,656	14,346	3,222
2006		97,839	21,398	53,114	-	4,847	15,021	3,459
2007		104,348	23,043	56,364	-	5,225	16,018	3,699
2008		106,338	24,791	54,964	-	5,933	16,738	3,912
2009		105,464	22,075	56,616	-	5,891	17,006	3,876
2010		116,160	27,288	57,576	559	7,329	19,193	4,215
2011		126,545	31,989	59,977	801	8,383	20,830	4,564
2012		127,702	30,185	60,072	717	9,501	21,426	5,800
2013		129,405	30,730	60,368	467	9,903	22,088	5,849
2014		135,117	34,452	61,343	460	9,050	22,757	7,055
2015		135,385	34,177	62,156	437	7,644	22,844	8,126
2016		137,912	31,770	66,820	504	7,537	23,218	8,063
2017		144,260	32,847	69,833	795	8,010	23,794	8,981
2016	11	12,001	2,796	5,857	34	689	1,949	677
	12	12,374	2,675	6,168	34	764	2,028	704
2017	1	12,422	2,908	5,912	42	774	2,023	764
	2	11,302	2,487	5,364	45	748	1,930	729
	3	12,482	2,846	6,057	41	755	2,021	763
	4	11,291	2,577	5,306	52	679	1,943	734
	5	11,754	2,728	5,694	77	615	1,917	724
	6	11,543	2,702	5,531	74	563	1,941	733
	7	12,278	2,907	5,952	77	542	2,032	767
	8	11,967	2,719	5,862	79	533	2,013	760
	9	11,878	2,677	5,764	73	598	2,008	758
	10	12,065	2,627	6,179	82	597	1,873	707
	11	12,385	2,792	5,995	74	757	2,008	758
	12	12,893	2,876	6,218	79	850	2,084	787
2018 ^p	1	12,807	2,818	6,060	78	939	2,126	787
	2	11,612	2,559	5,416	72	800	1,972	793
	3	11,961	2,713	5,589	79	776	2,002	803
	4	12,140	2,750	5,795	77	717	2,019	781
	5	12,436	2,887	6,006	78	701	2,005	758
	6	11,988	2,866	5,618	76	678	1,982	769
	7	12,339	2,866	5,853	76	673	2,069	801
	8	12,221	2,857	5,713	74	649	2,105	823
	9	11,959	2,615	5,819	73	647	2,005	802
	10	12,044	2,823	5,649	75	745	1,985	767
	11	11,986	2,880	5,443	69	795	2,031	769
2017	1-11	131,366	29,971	63,615	715	7,160	21,710	8,194
2018 ^p	1-11	133,493	30,633	62,958	827	8,121	22,300	8,654

☐ 수송 Transportation

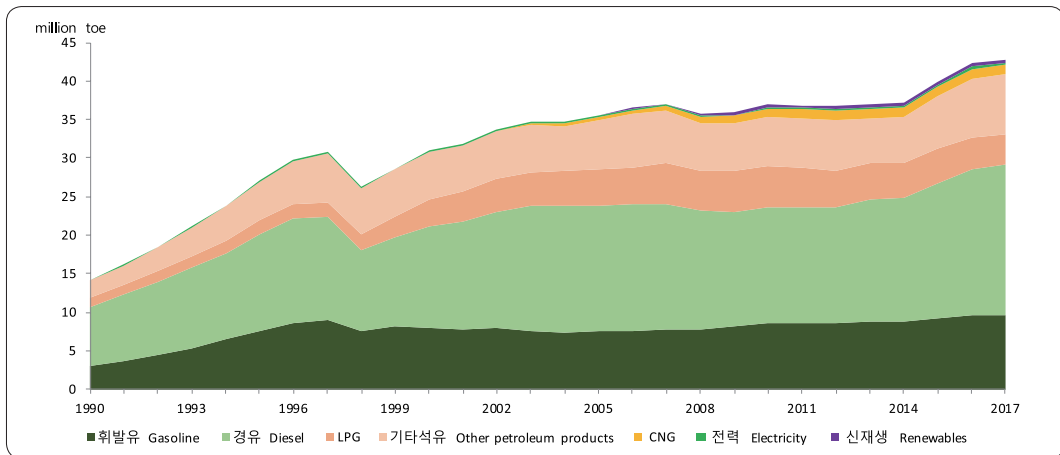
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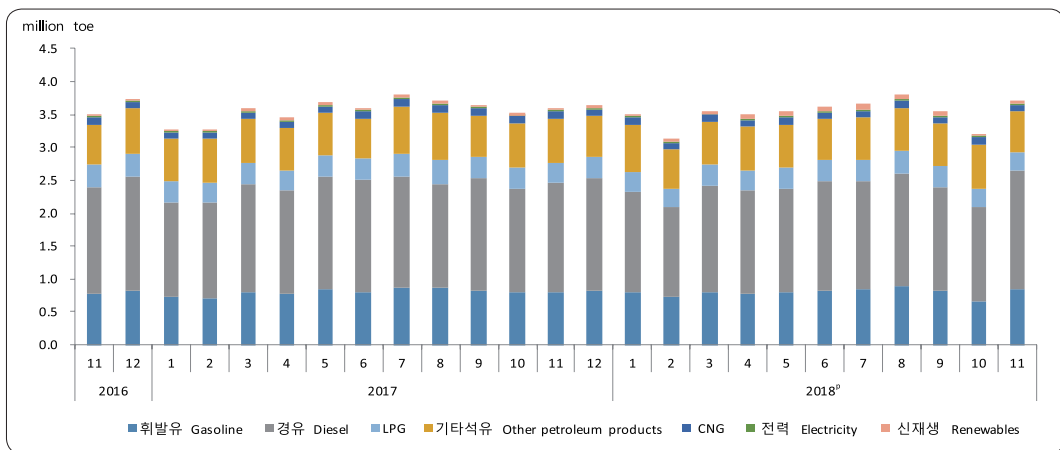
<월별 Monthly>



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<월별 Monthly>



2.2.3 수송

Transportation

		합계 Total	휘발유 Gasoline	경유 Diesel	LPG	CNG	전력 Electricity	신재생 Renewables
		1,000 toe						
1990		14,173	2,936	7,748	1,222	-	87	-
1991		16,156	3,551	8,717	1,270	-	94	-
1992		18,531	4,410	9,527	1,390	-	101	-
1993		21,119	5,329	10,351	1,519	-	108	-
1994		23,857	6,452	11,224	1,663	-	124	-
1995		27,130	7,527	12,639	1,749	-	138	-
1996		29,789	8,664	13,572	1,861	-	145	-
1997		30,736	9,074	13,235	1,990	-	151	-
1998		26,178	7,618	10,469	2,090	-	136	-
1999		28,625	8,070	11,725	2,599	-	149	-
2000		30,945	7,884	13,283	3,453	-	175	-
2001		31,910	7,848	13,892	3,946	7	194	-
2002		33,765	7,961	15,089	4,229	80	195	-
2003		34,634	7,634	16,106	4,415	146	200	-
2004		34,635	7,335	16,388	4,586	239	213	6
2005		35,534	7,512	16,300	4,680	339	224	13
2006		36,522	7,574	16,388	4,844	475	218	53
2007		37,059	7,686	16,414	5,174	615	209	96
2008		35,756	7,745	15,353	5,191	777	196	178
2009		35,892	8,106	14,949	5,332	960	187	254
2010		36,903	8,498	15,099	5,294	1,112	188	357
2011		36,842	8,579	15,046	5,036	1,174	193	336
2012		36,783	8,612	14,954	4,863	1,248	194	360
2013		36,961	8,802	15,731	4,755	1,299	186	369
2014		37,241	8,805	16,116	4,455	1,307	172	396
2015		39,851	9,186	17,570	4,405	1,288	191	441
2016		42,271	9,511	19,028	4,209	1,270	231	443
2017		42,796	9,625	19,447	3,930	1,253	246	428
2016	11	3,503	784	1,604	345	104	18	31
	12	3,739	821	1,742	338	107	19	27
2017	1	3,275	736	1,416	343	101	21	26
	2	3,273	717	1,456	303	95	20	25
	3	3,590	797	1,649	315	105	18	34
	4	3,453	765	1,582	306	102	18	40
	5	3,692	843	1,714	332	106	19	44
	6	3,608	806	1,693	328	107	20	44
	7	3,796	864	1,689	350	112	23	46
	8	3,710	862	1,583	372	110	24	47
	9	3,655	830	1,694	326	105	22	38
	10	3,522	803	1,571	325	100	19	30
	11	3,591	790	1,680	301	104	20	25
	12	3,632	814	1,721	328	106	22	29
2018 ^p	1	3,507	788	1,534	305	103	23	36
	2	3,132	729	1,372	269	92	22	34
	3	3,557	798	1,625	308	103	20	42
	4	3,498	778	1,567	313	101	19	68
	5	3,551	797	1,577	332	104	19	77
	6	3,627	828	1,671	311	104	20	76
	7	3,660	855	1,626	327	111	23	79
	8	3,816	882	1,728	333	110	25	81
	9	3,557	826	1,576	312	101	22	67
	10	3,213	671	1,421	284	104	20	43
	11	3,706	843	1,799	289	102	20	41
2017	1-11	39,164	8,811	17,726	3,601	1,148	224	399
2018 ^p	1-11	38,825	8,793	17,496	3,383	1,134	233	644

주: 합계에는 항공유, 중유 및 기타 석유제품 포함.

Note: Total include jet oil, fuel oil and other petroleum products.

2.2.4 가정·상업

	합계 Total		석탄 Coal		석유 Petroleum		도시가스 City gas	
	가정 Residential	상업 Commercial	가정 Residential	상업 Commercial	가정 Residential	상업 Commercial	가정 Residential	상업 Commercial
	1,000 toe							
1990	16,366	5,206	8,627	-	4,960	3,916	455	322
1991	16,091	5,574	6,916	-	6,081	4,080	810	350
1992	16,226	6,581	5,087	-	7,607	4,798	1,314	446
1993	16,947	7,924	3,561	-	8,811	5,858	2,016	434
1994	17,061	9,667	2,118	-	9,260	5,923	2,769	544
1995	19,191	9,902	1,355	-	10,813	6,621	3,767	839
1996	21,000	10,375	883	-	12,022	6,429	4,515	1,073
1997	20,956	11,812	625	-	11,241	7,329	5,297	1,139
1998	17,128	10,028	553	-	7,424	5,575	5,341	1,112
1999	19,961	11,679	503	-	8,958	6,424	6,409	1,374
2000	21,160	10,993	536	-	8,881	4,527	7,353	1,671
2001	21,379	11,260	553	-	8,706	3,621	7,526	1,885
2002	22,318	11,843	529	-	8,516	3,378	8,109	2,132
2003	22,476	12,439	539	-	7,907	3,166	8,530	2,359
2004	22,467	12,100	626	-	7,469	2,109	8,636	2,657
2005	22,147	14,189	912	-	5,781	3,174	9,524	2,979
2006	21,252	14,673	1,063	-	4,526	2,970	9,685	3,173
2007	21,034	14,909	1,014	-	4,161	2,781	9,723	3,108
2008	21,145	15,147	1,088	-	4,041	2,528	9,624	3,139
2009	20,622	15,213	940	-	3,802	2,343	9,267	3,065
2010	21,337	16,090	901	-	3,988	2,409	9,366	3,122
2011	21,884	15,937	871	-	3,736	2,201	10,125	3,076
2012	21,644	16,592	832	-	3,272	2,098	10,109	3,688
2013	21,306	16,508	872	-	3,075	1,923	9,849	3,730
2014	19,703	15,814	745	-	2,965	1,741	9,124	3,476
2015	20,538	16,483	672	-	3,186	2,134	9,192	3,469
2016	21,667	17,061	571	-	3,632	2,052	9,647	3,645
2017	22,479	17,428	513	-	3,648	2,042	10,238	3,680
2016	11	3,471	115	-	379	208	908	309
	12	4,566	88	-	511	240	1,452	430
				-				
2017	1	5,044	60	-	459	219	1,763	476
	2	4,872	54	-	406	196	1,729	445
	3	3,980	37	-	345	176	1,335	375
	4	3,033	17	-	239	152	849	254
	5	2,328	9	-	200	144	437	220
	6	2,199	7	-	189	140	294	227
	7	2,317	3	-	169	131	222	261
	8	2,512	9	-	183	140	194	256
	9	2,394	50	-	257	151	237	209
	10	2,461	79	-	289	153	392	204
	11	3,609	117	-	390	197	971	315
	12	5,158	71	-	521	241	1,814	437
				-				
2018 ^p	1	5,744	56	-	544	255	2,063	529
	2	5,431	47	-	444	213	1,966	466
	3	4,022	29	-	316	191	1,399	327
	4	3,091	16	-	244	162	854	252
	5	2,525	9	-	208	160	532	216
	6	2,295	7	-	186	130	320	226
	7	2,363	5	-	160	125	239	261
	8	2,740	8	-	177	125	172	270
	9	2,450	31	-	238	139	220	215
	10	2,661	84	-	278	153	510	221
	11	3,489	82	-	324	176	984	294
2017	1-11	34,749	441	-	3,127	1,800	8,424	3,243
2018 ^p	1-11	36,810	373	-	3,119	1,830	9,260	3,278

주 1. 신재생 원수치는 가정, 상업 합계임.

2. 연탄소비는 모두 가정부문에 포함.

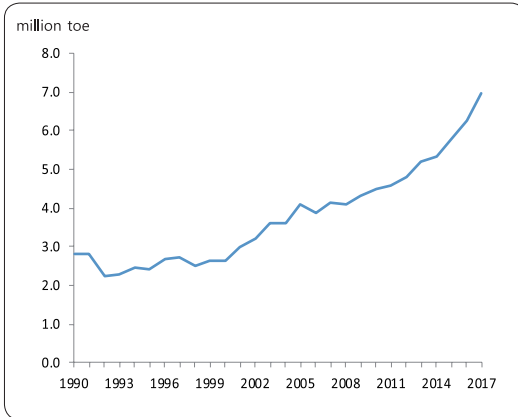
Residential and commercial

전력 Electricity		열 Heat		신재생 Renewables			
가정 Residential	상업 Commercial	가정 Residential	상업 Commercial	가정 Residential	상업 Commercial		
1,000 toe							
1,525	896	68	6	731	66		1990
1,675	1,057	72	7	538	80		1991
1,874	1,300	134	7	210	29		1992
2,057	1,606	354	2	148	24		1993
2,284	3,139	440	14	190	48		1994
2,434	2,367	610	22	212	53		1995
2,635	2,829	762	33	182	10		1996
2,796	3,294	850	42	146	8		1997
2,830	3,291	825	41	154	8		1998
2,974	3,819	959	56	159	5		1999
3,191	4,700	1,084	63	115	33		2000
3,372	5,633	1,111	80	109	42		2001
3,636	6,223	1,203	84	325	26		2002
3,833	6,752	1,382	104	286	58		2003
4,181	7,171	1,299	116	256	47		2004
4,375	7,858	1,466	143	89	34		2005
4,517	8,366	1,383	129	79	37		2006
4,659	8,854	1,409	127	69	39		2007
4,836	9,308	1,490	138	65	35		2008
4,953	9,640	1,530	133	129	33		2009
5,263	10,373	1,747	152	72	33		2010
5,295	10,463	1,774	158	84	38		2011
5,464	10,585	1,878	177	88	44		2012
5,501	10,576	1,870	185	138	94		2013
5,390	10,316	1,376	126	103	156		2014
5,486	10,533	1,758	173	243	174		2015
5,691	10,959	1,895	238	231	167		2016
5,720	11,212	2,105	280	254	214		2017
452	836	215	19	31		11	2016
469	986	326	31	34		12	
500	1,092	392	39	43		1	2017
508	1,118	338	34	44		2	
440	952	259	24	38		3	
460	878	135	11	37		4	
426	778	69	12	34		5	
432	814	46	16	35		6	
493	935	35	26	40		7	
600	1,025	34	25	46		8	
487	906	42	15	39		9	
429	783	88	9	34		10	
456	855	248	23	37		11	
488	1,076	420	45	42		12	
528	1,207	462	53	48		1	2018 ^p
535	1,222	385	102	49		2	
458	978	259	24	41		3	
469	891	148	13	41		4	
439	818	86	19	38		5	
453	865	49	19	39		6	
505	959	37	28	44		7	
740	1,139	25	34	51		8	
550	956	42	15	43		9	
441	798	123	11	42		10	
468	872	230	20	40		11	
5,232	10,136	1,685	235	426		1-11	2017
5,586	10,704	1,846	339	477		1-11	2018 ^p

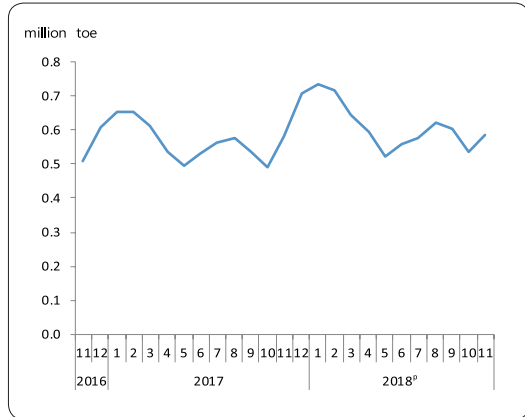
Note 1. Coal and monthly data of renewables include commercial.
 2. All briquette consumption is included in the residential.

□ 공공 Public

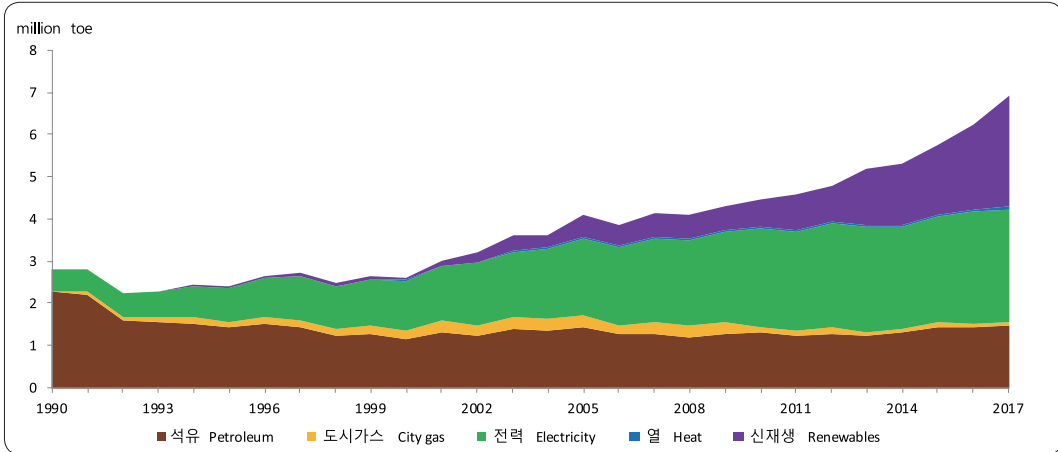
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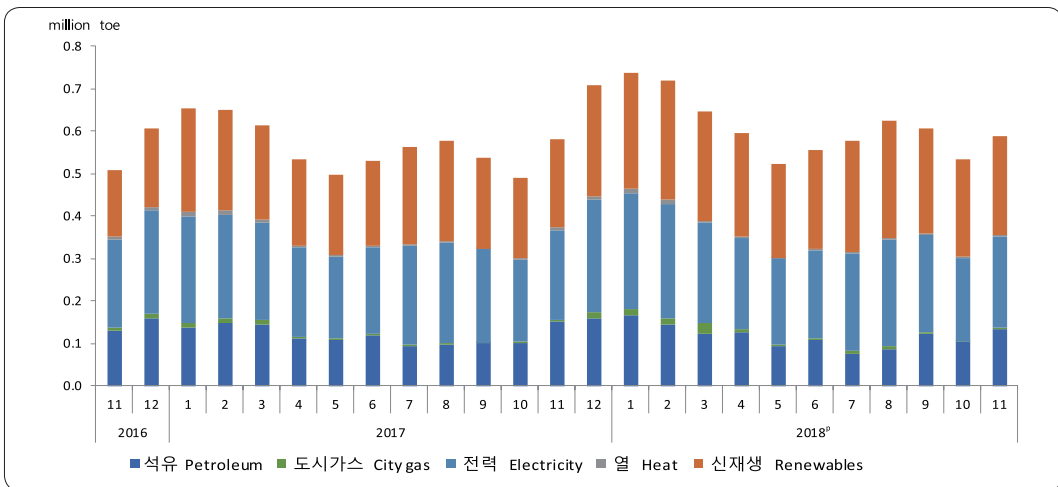
<월별 Monthly>



<1990~2017>



<월별 Monthly>



2.2.5 공공

Public

		합계 Total	석유 Petroleum	도시가스 City gas	전력 Electricity	열 Heat	신재생 Renewables
		1,000 toe					
1990		2,812	2,276	-	514	1	-
1991		2,813	2,201	68	544	1	-
1992		2,247	1,590	82	572	1	1
1993		2,296	1,541	117	633	4	1
1994		2,462	1,518	143	752	6	42
1995		2,415	1,424	125	808	10	49
1996		2,659	1,530	153	904	15	57
1997		2,715	1,453	161	1,017	17	67
1998		2,489	1,215	160	1,022	16	77
1999		2,649	1,270	199	1,086	18	75
2000		2,623	1,140	229	1,160	20	74
2001		2,991	1,328	259	1,288	27	90
2002		3,196	1,220	262	1,470	30	215
2003		3,601	1,411	259	1,531	37	364
2004		3,600	1,347	279	1,658	34	283
2005		4,095	1,417	313	1,785	42	538
2006		3,849	1,279	199	1,868	37	464
2007		4,148	1,274	285	1,960	41	588
2008		4,104	1,176	292	2,039	39	557
2009		4,299	1,264	277	2,138	46	575
2010		4,481	1,299	152	2,321	39	669
2011		4,564	1,241	112	2,355	44	811
2012		4,776	1,258	181	2,459	47	832
2013		5,187	1,227	98	2,485	47	1,329
2014		5,326	1,306	85	2,438	27	1,470
2015		5,750	1,450	85	2,540	36	1,639
2016		6,248	1,432	88	2,646	50	2,032
2017		6,938	1,470	77	2,693	55	2,643
2016	11	510	131	7	208	5	160
	12	607	159	11	243	8	186
2017	1	655	136	13	251	9	246
	2	652	147	13	244	8	239
	3	615	146	10	229	6	224
	4	535	111	5	210	2	206
	5	496	110	3	193	2	189
	6	530	120	3	205	2	201
	7	562	94	4	233	4	228
	8	576	96	4	238	3	234
	9	537	99	3	218	2	214
	10	490	101	2	195	1	191
	11	581	150	6	212	5	208
	12	709	161	11	266	10	261
2018 ^p	1	737	165	15	275	11	271
	2	717	146	14	269	9	280
	3	645	123	25	235	6	256
	4	594	127	6	217	3	242
	5	522	92	3	204	2	221
	6	556	107	3	210	2	234
	7	578	77	4	231	4	262
	8	623	87	5	251	4	276
	9	606	124	4	228	2	248
	10	534	103	3	195	2	230
	11	587	132	6	213	5	231
2017	1-11	6,229	1,309	66	2,427	45	2,382
2018 ^p	1-11	6,699	1,282	88	2,528	50	2,751

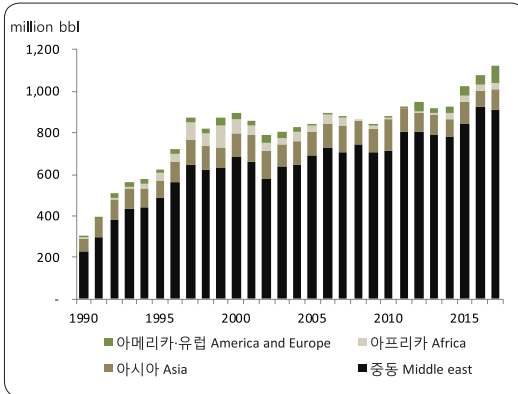
3. 석유

Petroleum

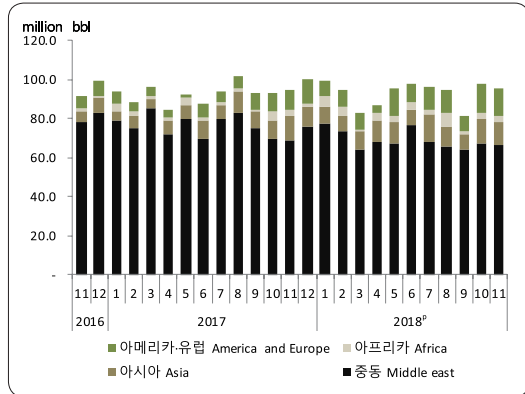


□ 원유 수입 Crude oil imports

<1990~2017>

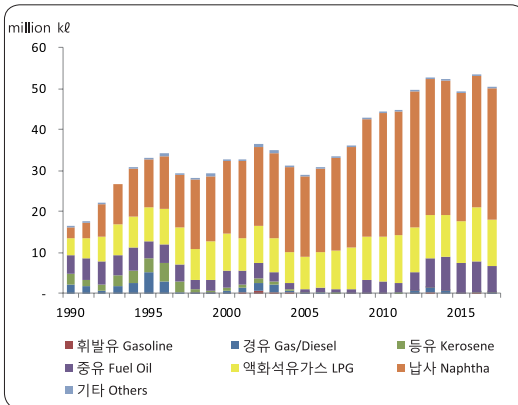


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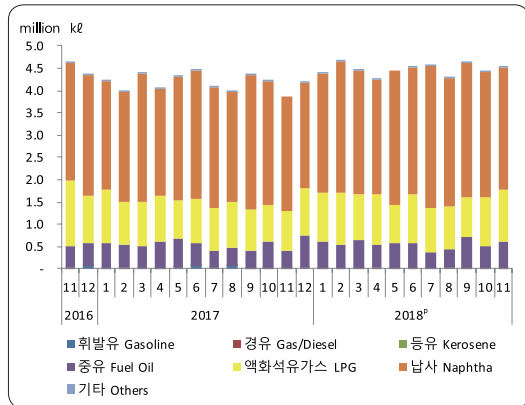


□ 석유제품 수입 Petroleum products imports

<1990~2017>

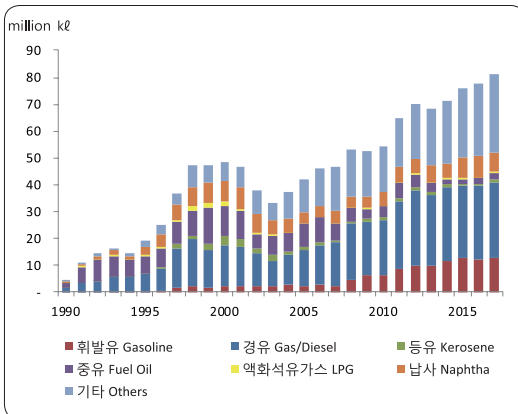


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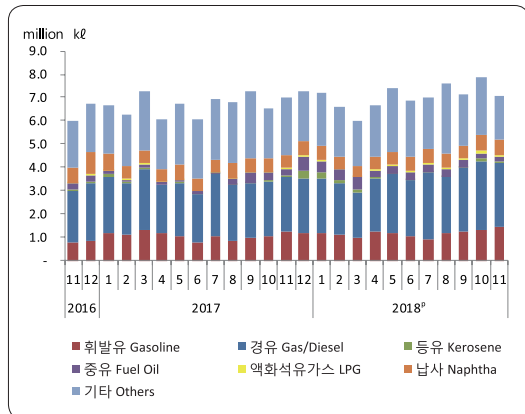


□ 석유제품 수출 Petroleum products exports

<1990~2017>

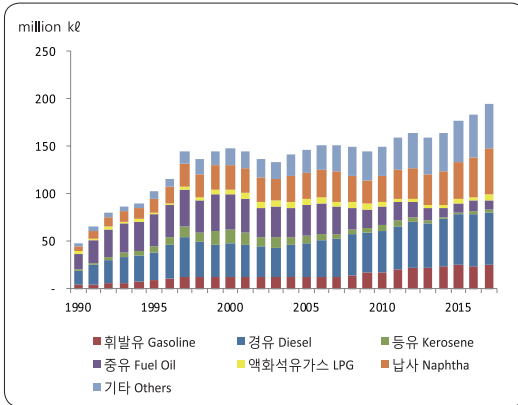


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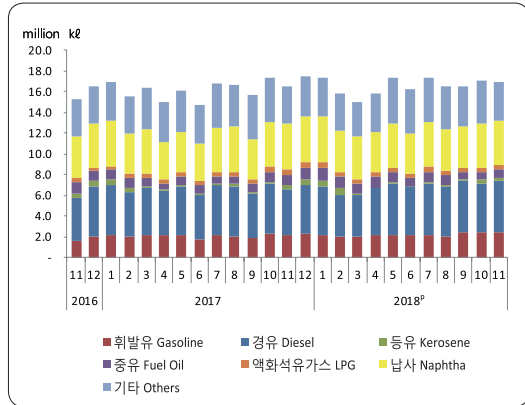


□ 석유제품 생산 Petroleum products production

<1990~2017>

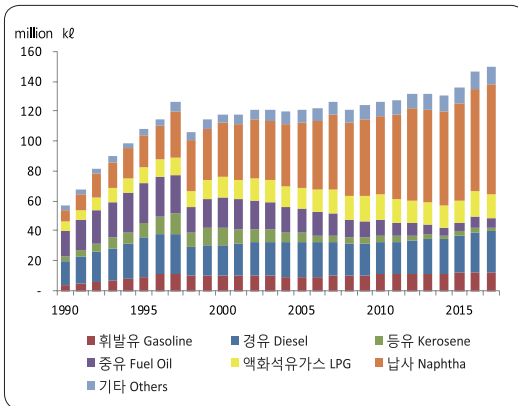


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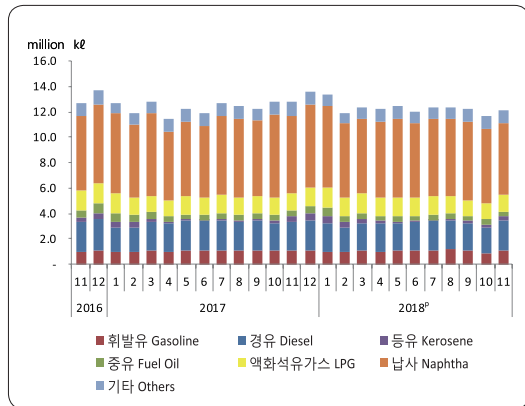


□ 석유제품 1차에너지 공급 Primary energy supply of petroleum products

<1990~2017>

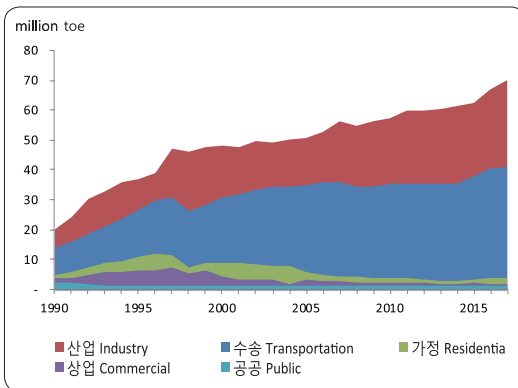


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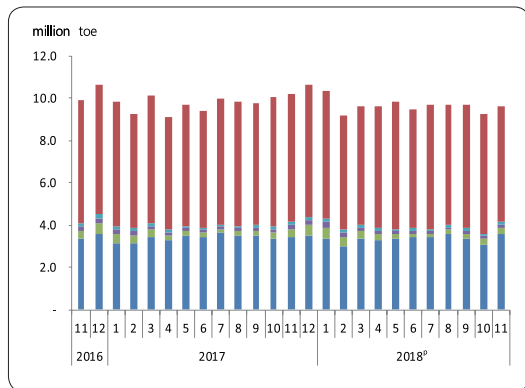


□ 석유제품 최종에너지 부문별 소비 Final energy consumption of petroleum products by sector

<1990~2017>



<월별 Monthly>



3.1 원유 수급

Crude oil supply and demand

	국내생산 ¹ Domestic production	수입 Imports	재고 Stock	정제투입 Refinery intake			정제능력 ³ Refining capacity	정제가동률 ⁴ Operable utilization rate	
				원유 Crude oil	정제원료(반제품) Refinery feedstocks	기타 ² Other			
				1,000 bbl					1,000 BPSD
1990	-	308,368	3,370	306,493	6,766	-	840	99.97	
1991	-	399,303	4,644	413,055	6,821	-	1,036	109.23	
1992	-	509,378	5,402	510,032	10,455	-	1,442	96.64	
1993	-	560,563	7,428	544,504	15,089	-	1,675	89.06	
1994	-	573,714	17,323	561,584	23,559	-	1,700	90.51	
1995	-	624,945	10,377	631,078	30,297	-	1,818	95.10	
1996	-	721,927	11,297	720,846	26,986	-	2,438	80.78	
1997	-	873,415	11,385	871,974	38,357	3,378	2,438	97.99	
1998	-	819,094	3,598	825,890	36,660	2,937	2,438	92.81	
1999	-	874,090	3,449	872,742	32,709	3,342	2,438	98.08	
2000	-	893,943	3,865	890,304	28,777	4,316	2,438	99.78	
2001	-	859,367	3,853	860,115	33,150	3,518	2,438	96.66	
2002	-	790,992	6,996	786,805	50,421	3,246	2,438	88.42	
2003	-	804,809	27,637	782,951	40,235	3,542	2,438	87.98	
2004	-	825,790	25,574	826,551	35,760	3,723	2,735	82.57	
2005	407	843,203	15,495	852,439	41,509	4,299	2,735	85.39	
2006	333	888,794	23,691	878,395	36,067	4,735	2,772	86.82	
2007	236	872,541	11,637	882,117	38,721	4,865	2,812	85.94	
2008	155	864,872	10,723	865,663	40,409	4,959	2,860	82.70	
2009	321	835,085	7,244	838,475	33,399	5,731	2,875	79.90	
2010	380	872,415	7,611	872,247	26,633	5,986	2,890	82.69	
2011	285	927,044	10,980	924,441	38,696	5,920	3,010	84.14	
2012	263	947,292	13,231	945,162	41,488	5,926	3,039	84.98	
2013	290	915,075	19,245	906,674	43,878	4,866	2,949	84.23	
2014	198	927,524	27,518	918,345	51,067	4,714	2,949	85.32	
2015	115	1,026,107	37,407	1,016,157	50,438	5,287	3,059	91.01	
2016	104	1,078,119	41,847	1,071,731	52,340	5,444	3,059	95.99	
2017	217	1,118,167	42,080	1,117,376	76,404	5,506	3,064	99.91	
2016	11	20	91,642	37,781	89,103	4,993	423	3,059	97.09
	12	21	99,787	41,847	95,547	6,201	508	3,059	100.76
2017	1	22	93,663	37,222	98,224	5,869	433	3,064	103.41
	2	20	88,607	37,870	87,855	5,648	434	3,064	102.41
	3	20	95,913	40,291	93,424	5,399	448	3,064	98.36
	4	20	84,523	38,908	85,813	5,566	463	3,064	93.36
	5	21	92,650	40,068	91,361	5,750	475	3,064	96.19
	6	20	87,328	43,300	84,005	7,411	474	3,064	91.39
	7	18	93,580	39,889	96,884	6,514	428	3,064	102.00
	8	14	101,450	44,639	96,508	5,278	527	3,064	101.60
	9	17	93,091	49,072	88,480	6,818	416	3,064	96.26
	10	11	92,844	43,696	98,891	5,920	486	3,064	104.11
	11	17	94,667	42,496	95,771	7,753	446	3,064	104.19
	12	19	99,851	42,080	100,160	8,478	476	3,064	105.45
2018 ^o	1	19	99,816	41,933	99,822	6,921	426	3,064	105.09
	2	17	94,449	49,461	86,803	6,718	441	3,064	101.18
	3	18	82,843	47,699	84,496	8,010	493	3,064	88.96
	4	18	87,152	45,558	87,414	8,596	469	3,064	95.10
	5	19	95,182	44,213	96,400	7,417	543	3,064	101.49
	6	18	97,994	51,699	90,379	7,512	527	3,064	98.32
	7	15	96,666	51,183	97,089	8,270	484	3,064	102.22
	8	18	94,985	54,757	91,286	10,726	503	3,064	96.11
	9	14	81,107	46,999	88,754	10,351	410	3,064	96.56
	10	6	97,773	48,692	95,998	9,906	349	3,064	101.07
	11	12	95,328	52,110	91,786	10,169	427	3,064	99.85
2017	1-11	198	1,018,317	42,496	1,017,217	67,926	5,030	3,064	99.40
2018 ^o	1-11	174	1,023,295	52,110	1,010,227	94,597	5,073	3,064	98.72

1. 울산 동해-1 가스전에서 2004년부터 생산하고 있음.

1. Production at the Ulsan Donghae-1 gas field since 2004.

2. 첨가제 및 산소성분

2. Additives and oxygenates.

3. 국내 모든 정유사 정제능력의 합계

3. Sum of all the refineries in Korea.

4. 정제능력 대비 해당 월의 1일 원유처리(투입)량의 비율

4. Calculated by dividing the daily crude oil input by the refining capacity.

자료 : 한국석유공사-PEDSIS, 대한석유�협회

Source: Korea National Oil Corporation-PEDSIS, Korea Petroleum Association

3.2 석유제품 수급

Petroleum products supply and demand

		생산 Production	수입 Imports	수출 Exports	국제빙커링 ¹ International bunkers	재고 Stocks	국내공급 ² Domestic supply	
		1,000 kℓ						
1990		48,410	16,097	4,322	2,403	3,112	56,654	
1991		64,900	17,495	11,088	3,293	3,220	67,515	
1992		80,217	21,783	14,571	4,149	4,901	81,753	
1993		85,849	26,671	16,454	4,855	5,395	89,758	
1994		90,375	30,332	14,806	5,295	5,779	98,808	
1995		102,243	32,660	19,496	5,897	5,984	107,666	
1996		115,125	34,201	25,172	6,690	6,754	114,637	
1997		144,908	29,541	36,733	7,334	7,756	126,217	
1998		137,497	27,965	47,168	7,312	7,381	106,564	
1999		144,848	29,331	47,361	7,798	6,802	114,414	
2000		147,362	32,481	48,696	7,388	7,899	118,055	
2001		144,253	32,557	46,902	7,366	7,847	118,231	
2002		136,466	36,337	38,017	7,387	6,877	121,284	
2003		133,712	34,960	33,240	8,448	6,675	121,295	
2004		140,926	31,019	37,442	9,283	8,040	119,608	
2005		146,726	28,514	41,757	8,845	6,771	121,000	
2006		151,032	30,455	45,958	8,561	7,441	121,706	
2007		151,973	33,248	46,435	8,036	7,111	126,384	
2008		149,246	35,710	53,063	8,046	6,365	120,930	
2009		145,097	42,642	52,610	7,229	5,984	123,766	
2010		149,274	44,015	54,338	7,844	6,592	126,278	
2011		159,343	44,398	64,919	7,811	6,541	127,448	
2012		164,502	49,221	70,096	7,805	7,701	131,588	
2013		159,299	52,338	68,250	8,187	7,838	131,194	
2014		163,768	51,928	71,356	8,521	7,857	130,599	
2015		177,583	48,947	75,903	9,100	8,184	136,130	
2016		184,042	53,197	77,539	9,936	7,981	146,933	
2017		195,495	49,998	80,941	9,402	8,255	149,458	
2016	11	15,334	4,625	6,018	890	8,636	12,677	
	12	16,558	4,366	6,763	855	7,981	13,681	
2017	1	16,956	4,206	6,672	864	8,432	12,729	
	2	15,545	3,976	6,253	731	8,699	11,883	
	3	16,401	4,373	7,251	819	8,106	12,840	
	4	15,001	4,035	6,075	744	8,514	11,470	
	5	16,094	4,328	6,714	785	8,736	12,230	
	6	14,747	4,452	6,077	761	8,549	11,877	
	7	16,865	4,057	6,933	795	8,645	12,636	
	8	16,718	3,967	6,825	785	8,932	12,428	
	9	15,665	4,355	7,276	731	8,479	12,281	
	10	17,373	4,230	6,546	729	9,446	12,743	
	11	16,596	3,852	7,031	851	8,714	12,777	
	12	17,535	4,167	7,287	806	8,255	13,565	
2018 ^p	1	17,364	4,378	7,176	772	8,198	13,359	
	2	15,781	4,661	6,586	721	8,933	11,907	
	3	15,074	4,474	6,006	775	8,678	12,353	
	4	15,879	4,254	6,636	788	8,372	12,202	
	5	17,330	4,435	7,413	817	8,655	12,489	
	6	16,228	4,533	6,887	739	8,938	12,035	
	7	17,423	4,541	6,967	759	9,958	12,367	
	8	16,479	4,290	7,627	840	8,936	12,336	
	9	16,526	4,621	7,120	724	9,268	12,192	
	10	17,078	4,414	7,864	750	9,333	11,661	
	11	16,989	4,535	7,041	748	9,999	12,068	
2017	1-11	177,960	45,831	73,654	8,595	8,714	135,894	
2018 ^p	1-11	182,153	49,134	77,321	8,433	9,999	134,968	

1. 외국적 선박 및 항공기에 인도된 물량

2. 1차에너지 공급량 기준

자료: 한국석유공사-PEDSIS

1. Deliveries to foreign-flag ships and planes

2. Primary energy supply.

Source: Korea National Oil Corporation-PEDSIS

3.3 계약형태별 원유 수입

	합계 Total	중동 Middle East			아시아 Asia			
		소계 ¹ Sub-total	장기계약 Long-term	현물 Spot	소계 ¹ Sub-total	장기계약 Long-term	현물 Spot	
		1,000 bbl						
1990	308,368	229,017	123,571	93,820	62,530	32,127	25,834	
1991	399,303	294,357	199,810	92,249	82,695	43,327	38,709	
1992	509,378	380,452	269,822	106,432	95,033	44,905	49,755	
1993	560,563	430,839	299,831	125,467	99,147	53,933	45,214	
1994	573,714	439,330	306,221	128,417	91,083	49,920	40,538	
1995	624,945	486,528	351,042	133,065	82,050	40,042	41,308	
1996	721,927	561,098	425,921	135,176	98,631	42,198	56,434	
1997	873,415	645,678	537,313	107,123	122,379	58,519	63,860	
1998	819,094	622,005	525,441	96,564	113,494	60,838	52,656	
1999	874,090	632,067	468,318	163,750	93,517	45,189	48,328	
2000	893,943	686,916	501,767	185,149	112,669	54,307	58,361	
2001	859,367	661,649	491,422	169,887	130,033	35,959	94,074	
2002	790,992	579,865	419,976	159,889	136,756	42,142	94,615	
2003	804,809	639,453	497,625	139,484	100,721	35,603	65,118	
2004	825,790	645,183	502,039	142,479	116,287	38,718	77,569	
2005	843,203	689,356	533,800	154,368	111,937	29,458	82,479	
2006	888,794	730,843	560,285	170,558	110,306	24,113	86,193	
2007	872,541	704,020	521,070	182,950	131,273	21,071	110,202	
2008	864,872	746,458	569,121	177,337	108,482	17,689	90,794	
2009	835,085	705,363	560,061	145,302	116,379	19,214	97,166	
2010	872,415	713,647	589,285	124,361	152,354	23,177	129,176	
2011	927,044	807,908	685,205	122,704	108,402	22,820	85,583	
2012	947,292	805,971	645,317	160,654	88,190	18,969	69,220	
2013	915,075	786,813	604,972	181,841	97,047	22,364	74,683	
2014	927,524	778,923	628,106	150,817	88,623	23,658	64,964	
2015	1,026,107	844,637	597,539	241,282	106,263	21,406	84,857	
2016	1,078,119	926,201	612,451	301,437	72,756	19,644	53,112	
2017	1,118,167	913,446	618,093	278,913	97,233	28,400	68,833	
2016	11	91,642	78,563	53,203	23,818	5,073	1,198	3,874
	12	99,787	82,957	52,670	29,814	7,694	3,151	4,544
2017	1	93,663	79,410	50,684	26,638	4,712	330	4,382
	2	88,607	75,001	52,085	21,400	6,183	2,382	3,801
	3	95,913	84,966	53,709	29,985	5,397	2,055	3,342
	4	84,523	72,353	46,099	24,856	6,505	568	5,936
	5	92,650	79,699	57,272	20,590	7,344	2,488	4,856
	6	87,328	69,337	48,461	19,758	9,812	3,475	6,337
	7	93,580	80,027	54,257	25,771	6,776	3,650	3,126
	8	101,450	82,738	55,775	25,494	10,874	2,922	7,952
	9	93,091	75,446	51,998	21,965	8,243	2,518	5,725
	10	92,844	69,402	50,564	17,240	9,677	3,279	6,398
	11	94,667	69,011	45,686	22,417	12,023	2,371	9,651
	12	99,851	76,055	51,500	22,799	9,689	2,363	7,326
2018 ^p	1	99,816	77,236	50,907	25,797	9,082	2,301	6,781
	2	94,449	73,941	50,406	21,601	7,617	1,047	6,569
	3	82,843	63,873	37,255	25,563	9,973	2,103	7,870
	4	87,152	67,833	50,375	15,186	11,198	3,823	7,375
	5	95,182	67,700	41,009	25,792	10,902	3,584	7,318
	6	97,994	76,669	55,473	20,091	7,852	3,534	4,318
	7	96,666	68,467	43,224	24,647	13,392	3,816	9,576
	8	94,985	65,372	40,604	24,185	10,831	3,164	7,667
	9	81,107	64,452	35,357	27,497	7,349	2,789	4,560
	10	97,773	67,308	42,766	22,987	12,408	4,394	8,013
	11	95,328	66,494	40,125	25,697	11,581	3,436	8,144
2017	1-11	1,018,317	837,391	566,592	256,114	87,544	26,037	61,507
2018 ^p	1-11	1,023,295	759,345	487,502	259,044	112,184	33,993	78,191

1. 임가공과 개발도입 물량 포함.

자료: 한국석유공사-PEDSIS

Crude oil imports by contract type

아프리카 Africa			아메리카·유럽 America and Europe			계약형태 비중 Share of contract type		
소계' Sub-total	장기계약 Long-term	현물 Spot	소계' Sub-total	장기계약 Long-term	현물 Spot	장기계약 Long-term	현물 Spot	
1,000 bbl						%		
9,689	687	8,202	7,132	3,657	3,475	51.90	32.44	1990
5,551	-	3,744	16,701	13,965	2,736	64.39	34.42	1991
12,822	3,500	7,460	21,071	20,083	-	66.42	32.13	1992
12,876	2,403	9,915	17,702	17,702	-	66.70	32.22	1993
23,225	5,637	17,588	20,075	20,075	-	66.56	32.51	1994
37,911	3,781	34,130	18,456	18,456	-	66.14	33.36	1995
37,024	6,025	30,999	25,174	18,365	6,809	68.22	31.78	1996
81,119	1,453	79,666	24,240	23,059	1,181	71.03	28.83	1997
61,907	11,200	50,707	21,689	16,794	4,895	74.99	25.01	1998
109,560	34,956	74,603	38,946	22,612	16,334	65.33	34.67	1999
67,749	13,356	54,393	26,610	13,501	13,109	65.21	34.79	2000
39,155	937	38,219	28,530	10,067	18,462	62.65	37.31	2001
35,877	2,981	32,896	38,494	13,548	24,946	60.51	39.49	2002
34,156	9,496	24,660	30,479	8,168	22,311	68.45	31.26	2003
42,874	19,012	23,862	21,447	11,768	9,679	69.21	30.71	2004
34,424	-	34,424	7,487	643	6,844	66.88	32.98	2005
42,814	1,310	41,504	4,831	-	4,831	65.90	34.10	2006
35,557	1,212	34,345	1,690	-	1,690	62.27	37.73	2007
9,932	51	9,881	-	-	-	67.86	32.14	2008
11,608	416	11,192	1,734	-	1,734	69.42	30.58	2009
4,592	-	4,592	1,823	-	1,823	70.20	29.80	2010
2,772	-	2,772	7,962	-	7,962	76.37	23.63	2011
9,233	-	9,233	43,899	-	43,899	70.12	29.88	2012
8,096	674	7,422	23,119	2,075	21,044	68.86	31.14	2013
25,301	1,549	23,752	34,678	18,761	15,916	72.46	27.54	2014
26,691	3,031	23,659	48,516	12,987	35,529	61.88	37.55	2015
30,496	4,277	26,218	48,667	27,222	21,444	61.55	37.31	2016
28,189	10,580	17,608	79,300	39,601	39,698	62.31	36.22	2017
1,549	-	1,549	6,457	5,457	1,000	65.32	30.46	11
1,031	-	1,031	8,105	2,045	6,060	57.99	38.02	12
3,678	1,016	2,663	5,863	4,104	1,759	59.93	37.84	1 2017
2,199	1,680	520	5,224	3,036	2,188	66.79	31.50	2
1,334	-	1,334	4,217	781	3,436	58.95	39.72	3
1,698	-	1,698	3,967	3,967	-	59.91	38.44	4
3,511	1,982	1,529	2,097	1,100	997	67.83	30.19	5
1,570	-	1,570	6,609	2,670	3,939	62.53	36.19	6
1,592	1,076	515	5,185	1,951	3,235	65.11	34.89	7
1,563	1,044	519	6,276	4,208	2,068	63.03	35.52	8
1,203	-	1,203	8,198	4,087	4,111	62.95	35.45	9
4,348	1,702	2,646	9,417	4,382	5,034	65.56	33.73	10
3,252	2,081	1,170	10,382	5,386	4,996	67.42	50.12	11
2,241	-	2,241	11,865	3,931	7,935	61.82	42.05	12
5,081	4,037	1,044	8,417	2,817	5,601	60.17	39.29	1 2018 ^P
4,667	2,080	2,586	8,224	4,239	3,985	61.17	36.78	2
650	-	650	8,348	1,965	6,383	49.88	48.85	3
3,943	1,969	1,974	4,178	-	4,178	64.45	32.95	4
2,789	350	2,439	13,791	6,147	7,643	53.68	45.38	5
3,609	599	3,011	9,864	3,947	5,916	64.85	34.02	6
3,047	601	2,447	11,760	5,001	6,759	54.46	44.93	7
6,701	4,697	2,004	12,081	5,450	6,631	56.76	42.62	8
1,629	590	1,038	7,678	1,999	5,678	50.22	47.81	9
3,525	600	2,924	14,533	5,536	8,997	54.51	43.90	10
3,437	909	2,528	13,817	7,606	6,211	54.63	44.67	11
25,948	10,580	15,367	67,434	35,671	31,764	62.74	35.82	1-11 2017
39,077	16,432	22,644	112,690	44,706	67,983	56.94	41.81	1-11 2018 ^P

1. Includes imports by tall processing and development & import.
Source: Korea National Oil Corporation-PEDSIS

3.4 국별 원유 수입

	합계 Total	중동 Middle East							
		소계 ¹ Sub-total	사우디아라비아 Saudi Arabia	아랍에미레이트 UAE	이란 Iran	쿠웨이트 Kuwait	오만 Oman	카타르 Qatar	
		1,000 bbl							
1990	308,368	229,017	39,616	49,877	34,287	17,069	63,686	6,610	
1991	399,303	294,357	133,588	46,135	52,775	-	51,155	8,133	
1992	509,378	380,452	155,104	53,206	61,276	14,372	73,725	14,505	
1993	560,563	430,839	172,413	57,576	76,057	29,334	69,557	14,404	
1994	573,714	439,330	177,619	48,598	82,828	27,239	48,381	14,352	
1995	624,945	486,528	226,863	70,536	68,314	25,233	55,131	10,871	
1996	721,927	561,098	252,665	91,620	78,067	41,134	57,413	14,424	
1997	873,415	645,678	267,888	127,395	82,192	55,091	50,197	35,241	
1998	819,094	622,005	234,450	122,022	67,502	66,894	57,195	34,879	
1999	874,090	632,067	241,747	117,405	81,944	53,284	56,001	37,301	
2000	893,943	686,916	264,925	128,064	81,251	66,627	46,632	45,722	
2001	859,367	661,649	255,432	128,405	80,413	64,407	53,639	42,157	
2002	790,992	579,865	240,765	105,905	51,512	56,996	42,053	35,330	
2003	804,809	639,453	250,473	138,869	63,682	65,885	40,927	46,780	
2004	825,790	645,183	253,849	145,598	64,974	64,659	32,832	45,581	
2005	843,203	689,356	249,337	150,608	70,767	79,679	38,799	53,122	
2006	888,794	730,843	261,563	158,865	75,058	92,620	36,273	49,871	
2007	872,541	704,020	249,887	141,887	85,793	94,031	14,760	46,088	
2008	864,872	746,458	262,637	158,109	73,016	104,593	16,670	64,402	
2009	835,085	705,363	254,799	114,592	81,437	100,090	17,507	53,673	
2010	872,415	713,647	276,787	105,656	72,605	103,079	12,152	64,362	
2011	927,044	807,908	291,348	87,234	87,184	117,370	16,715	93,146	
2012	947,292	805,971	303,049	86,536	56,146	137,647	8,761	103,825	
2013	915,075	786,813	286,588	110,809	48,214	139,853	3,543	86,090	
2014	927,524	778,923	292,592	108,472	44,923	136,546	6,516	100,127	
2015	1,026,107	844,637	305,779	99,835	42,400	141,856	2,897	123,228	
2016	1,078,119	926,201	324,448	87,743	111,942	159,273	16,317	88,150	
2017	1,118,167	913,446	319,221	90,971	147,873	160,368	3,876	64,934	
2016	11	91,642	78,563	27,735	8,041	14,162	12,381	292	5,173
	12	99,787	82,957	29,477	6,448	12,722	12,923	798	7,172
2017	1	93,663	79,410	24,494	8,474	14,819	12,716	-	6,093
	2	88,607	75,001	26,633	7,377	13,374	13,059	828	5,855
	3	95,913	84,966	25,990	9,081	18,536	13,689	1,059	5,736
	4	84,523	72,353	26,303	8,456	12,111	12,470	952	4,147
	5	92,650	79,699	31,305	9,054	8,231	16,401	-	5,702
	6	87,328	69,337	25,678	6,420	9,305	11,013	-	4,230
	7	93,580	80,027	27,279	6,639	11,437	13,670	-	6,980
	8	101,450	82,738	29,950	7,567	12,627	14,856	929	5,702
	9	93,091	75,446	28,097	6,565	15,121	12,646	51	4,919
	10	92,844	69,402	19,809	8,110	13,228	14,640	57	4,143
	11	94,667	69,011	24,139	6,429	10,371	13,129	-	5,130
	12	99,851	76,055	29,544	6,797	8,712	12,079	-	6,297
2018 ^o	1	99,816	77,236	27,441	4,563	7,812	14,962	501	6,891
	2	94,449	73,941	30,469	5,496	9,088	15,807	-	6,166
	3	82,843	63,873	21,817	7,277	11,597	8,626	-	5,618
	4	87,152	67,833	24,567	5,500	10,011	14,754	800	3,387
	5	95,182	67,700	23,935	6,155	6,007	12,854	170	5,096
	6	97,994	76,669	32,330	6,670	5,492	12,084	-	6,183
	7	96,666	68,467	24,375	6,340	6,195	13,453	-	5,911
	8	94,985	65,372	28,740	5,166	2,000	13,303	-	3,423
	9	81,107	64,452	25,263	6,860	-	15,252	-	7,810
	10	97,773	67,308	30,764	5,035	-	13,533	-	5,136
	11	95,328	66,494	28,990	6,779	-	12,423	-	5,398
2017	1-11	1,018,317	837,391	289,677	84,174	139,161	148,289	3,876	58,638
2018 ^o	1-11	1,023,295	759,345	298,692	65,841	58,202	147,052	1,471	61,018

1. 기타 국가 물량 포함.
2. 아프리카 국가는 알제리, 앙골라, 리비아, 나이지리아 등임.
3. 아메리카 국가는 미국, 캐나다, 멕시코 등임.
4. 유럽 국가는 노르웨이, 영국 등임.

자료: 한국석유공사-PEDSIS

Crude oil imports by country

소계 ¹ Sub-total	아시아 Asia				아프리카 ² Africa	아메리카 ³ America	유럽 ⁴ Europe	
	인도네시아 Indonesia	말레이시아 Malaysia	호주 Australia	브루나이 Brunei				
1,000 bbl								
62,530	19,096	23,135	689	11,514	9,689	7,132	-	1990
82,695	33,436	26,102	1,674	12,225	5,551	16,701	-	1991
95,033	38,040	25,464	-	14,441	12,822	21,071	-	1992
99,147	34,677	27,370	1,819	12,950	12,876	17,702	-	1993
91,083	37,454	19,998	3,880	13,335	23,225	20,075	-	1994
82,050	31,367	13,339	4,939	11,938	37,911	18,456	-	1995
98,631	35,088	14,838	5,445	13,828	37,024	25,174	-	1996
122,379	40,965	16,968	8,851	12,787	81,119	23,580	660	1997
113,494	33,599	18,156	14,252	13,786	61,907	17,594	4,095	1998
93,517	41,726	19,988	15,495	8,045	109,560	27,896	11,050	1999
112,669	36,762	17,732	34,990	8,649	67,749	21,365	5,245	2000
130,033	45,228	19,838	32,879	9,631	39,155	25,469	3,061	2001
136,756	42,457	14,247	39,552	11,508	35,877	30,282	8,212	2002
100,721	33,672	11,101	25,396	11,247	34,156	28,543	1,936	2003
116,287	38,104	13,785	32,068	10,897	42,874	21,447	-	2004
111,937	37,703	13,037	31,879	10,558	34,424	5,363	2,124	2005
110,306	23,359	12,747	34,652	13,210	42,814	4,831	-	2006
131,273	17,603	12,991	39,101	9,224	35,557	1,690	-	2007
108,482	16,308	11,155	34,499	10,644	9,932	-	-	2008
116,379	20,115	6,271	34,423	9,596	11,608	1,734	-	2009
152,354	29,668	9,032	31,735	12,668	4,592	1,823	-	2010
108,402	21,008	8,961	15,101	12,324	2,772	2,796	5,166	2011
88,190	20,588	4,909	7,723	9,923	9,233	314	43,585	2012
97,047	13,242	5,099	15,992	7,606	8,096	329	22,790	2013
88,623	9,080	4,353	20,861	5,702	25,301	10,053	24,625	2014
106,263	8,475	2,833	17,694	4,808	26,691	23,255	25,261	2015
72,756	6,412	1,554	12,049	3,001	30,496	30,080	18,587	2016
97,233	8,624	3,606	11,679	2,606	28,189	44,453	34,847	2017
5,073	735	-	300	-	1,549	4,456	2,001	11
7,694	631	-	650	-	1,031	4,010	4,095	12
4,712	630	-	618	-	3,678	2,934	2,929	1 2017
6,183	300	-	-	290	2,199	1,171	4,053	2
5,397	550	300	1,268	-	1,334	3,249	969	3
6,505	850	-	1,396	-	1,698	2,918	1,049	4
7,344	314	-	1,248	290	3,511	2,097	-	5
9,812	1,496	524	2,046	-	1,570	2,378	4,231	6
6,776	622	-	260	-	1,592	1,951	3,235	7
10,874	502	600	682	-	1,563	4,208	2,068	8
8,243	606	988	367	-	1,203	4,990	3,208	9
9,677	1,481	310	807	864	4,348	5,383	4,034	10
12,023	614	599	1,364	290	3,252	8,267	2,115	11
9,689	660	285	1,623	872	2,241	4,908	6,957	12
9,082	386	782	-	300	5,081	6,331	2,087	1 2018 ^p
7,617	878	-	650	290	4,667	4,239	3,985	2
9,973	289	-	618	880	650	5,589	2,759	3
11,198	514	334	1,363	-	3,943	4,178	-	4
10,902	297	-	650	-	2,789	7,606	6,184	5
7,852	523	628	-	290	3,609	7,003	2,861	6
13,392	949	209	682	290	3,047	9,346	2,414	7
10,831	350	315	2,632	-	6,701	7,307	4,774	8
7,349	1,164	-	1,291	290	1,629	7,028	650	9
12,408	799	325	2,308	581	3,525	10,675	3,859	10
11,581	558	-	898	291	3,437	10,675	3,142	11
87,544	7,964	3,321	10,056	1,735	25,948	39,544	27,890	1-11 2017
112,184	6,708	2,593	11,092	3,213	39,077	79,975	32,715	1-11 2018 ^p

1. Includes the imports from other countries in the region.

2. Algeria, Angola, Libya, Nigeria, etc.

3. US, Canada, Mexico, etc.

4. Norway, UK, etc.

Source: Korea National Oil Corporation-PEDSIS

3.5 석유제품 수입

Petroleum products imports

		합계 Total	휘발유 Gasoline	경유 Gas/Diesel oil	등유 Kerosene	중유 ¹ Fuel oil	액화석유가스 LPG	납사 Naphtha	기타 ² Others
		1,000 kℓ							
1990		16,097	-	2,160	2,777	4,397	4,312	2,450	1
1991		17,495	-	1,718	1,553	5,439	4,817	3,953	15
1992		21,783	-	919	1,429	5,449	6,301	7,623	63
1993		26,671	-	1,785	2,546	5,187	7,230	9,923	-
1994		30,332	-	2,772	2,717	5,642	7,726	11,473	3
1995		32,660	-	5,118	3,714	3,947	8,442	11,421	18
1996		34,201	-	2,948	4,401	4,633	8,768	12,751	701
1997		29,541	-	498	2,507	4,254	9,099	12,611	572
1998		27,965	34	349	811	2,055	7,813	16,709	192
1999		29,331	62	367	427	2,623	9,167	16,076	609
2000		32,481	118	448	1,092	3,992	8,865	17,692	273
2001		32,557	335	1,062	844	3,548	7,641	19,036	90
2002		36,337	641	2,055	1,100	3,768	8,937	19,382	454
2003		34,960	328	1,771	1,053	2,199	8,077	20,983	550
2004		31,019	194	682	272	1,317	7,613	20,885	56
2005		28,514	12	304	57	639	7,900	19,602	0
2006		30,455	-	251	41	1,389	8,586	20,185	2
2007		33,248	-	122	82	940	9,248	22,856	0
2008		35,710	-	59	60	1,143	10,023	24,385	40
2009		42,642	-	133	11	3,157	10,523	28,751	67
2010		44,015	-	121	53	2,779	11,070	29,984	8
2011		44,398	-	151	66	2,447	11,755	29,970	8
2012		49,221	13	760	24	4,316	11,120	32,980	7
2013		52,338	273	1,367	16	7,040	10,488	33,116	39
2014		51,928	-	819	21	8,268	10,101	32,707	11
2015		48,947	61	42	2	7,430	9,970	31,418	23
2016		53,197	221	32	3	7,508	13,239	32,150	44
2017		49,998	179	37	6	6,374	11,650	31,738	14
2016	11	4,625	13	2	-	511	1,468	2,632	0
	12	4,366	52	5	-	529	1,042	2,726	12
2017	1	4,206	-	2	1	565	1,203	2,435	0
	2	3,976	12	2	-	522	955	2,484	0
	3	4,373	-	4	-	514	1,001	2,851	2
	4	4,035	-	4	-	620	1,011	2,400	0
	5	4,328	19	2	-	646	855	2,806	0
	6	4,452	58	2	1	520	1,001	2,869	0
	7	4,057	22	4	-	386	951	2,694	0
	8	3,967	55	5	1	426	1,012	2,466	0
	9	4,355	-	4	2	414	897	3,038	0
	10	4,230	-	3	-	606	819	2,798	5
	11	3,852	-	3	-	407	901	2,541	-
	12	4,167	13	2	-	747	1,044	2,356	5
2018 ^o	1	4,378	-	3	-	621	1,074	2,680	0
	2	4,661	-	3	-	558	1,158	2,942	0
	3	4,474	-	3	-	631	1,025	2,808	8
	4	4,254	12	3	-	526	1,143	2,567	3
	5	4,435	-	4	-	586	849	2,997	-
	6	4,533	-	1	-	594	1,094	2,838	7
	7	4,541	-	2	-	369	1,005	3,165	0
	8	4,290	16	3	0	408	988	2,873	2
	9	4,621	-	4	-	711	903	2,998	5
	10	4,414	-	5	-	511	1,077	2,820	0
	11	4,535	-	2	-	623	1,137	2,773	0
2017	1-11	45,831	166	35	6	5,627	10,606	29,382	9
2018 ^o	1-11	49,134	28	33	0	6,136	11,453	31,460	25

1. 경질중유(Bunker-A), 중유(Bunker-B), 중질중유(Bunker-C)의 합계

2. 기타는 항공유, 부생연료유, 정제가스, 용제, 아스팔트, 윤활유, 파라핀왁스, 석유코크, 기타제품(황, 프로필렌 등)을 포함.

자료: 한국석유공사-PEDSIS

1. Sum of Bunker-A, Bunker-B, and Bunker-C.

2. Includes jet fuel, by-product fuel oil, refinery gas, solvents, bitumens, lubricants, paraffin waxes, petroleum coke, and other.

Source: Korea National Oil Corporation-PEDSIS

3.6 석유제품 수출

Petroleum products exports

		합계 Total	휘발유 Gasoline	경유 Gas/Diesel oil	등유 Kerosene	중유 ¹ Fuel oil	액화석유가스 LPG	납사 Naphtha	기타 ² Others
		1,000 kℓ							
1990		4,322	5	1,662	15	1,922	175	529	14
1991		11,088	158	3,285	-	6,030	213	894	508
1992		14,571	19	4,312	1	8,062	104	863	1,211
1993		16,454	83	5,677	1	7,900	212	1,642	938
1994		14,806	90	5,455	74	6,372	213	1,454	1,148
1995		19,496	70	6,748	90	6,397	463	3,392	2,336
1996		25,172	405	8,618	463	6,848	558	4,892	3,387
1997		36,733	1,617	14,899	1,630	7,988	724	5,873	4,003
1998		47,168	2,482	17,367	1,105	9,577	1,667	7,130	7,840
1999		47,361	1,792	14,047	2,383	13,096	2,170	7,348	6,526
2000		48,696	2,364	15,370	3,160	11,472	1,293	7,766	7,272
2001		46,902	2,570	14,379	2,863	10,654	766	8,144	7,526
2002		38,017	2,468	12,120	1,622	5,568	458	7,145	8,635
2003		33,240	2,152	9,669	2,090	7,287	460	4,924	6,658
2004		37,442	2,913	10,817	1,223	7,240	153	4,954	10,142
2005		41,757	2,308	13,655	708	8,914	114	4,101	11,958
2006		45,958	3,168	14,550	757	9,263	121	4,450	13,647
2007		46,435	2,438	16,371	199	6,789	85	4,678	15,876
2008		53,063	4,914	20,817	381	5,597	59	3,643	17,651
2009		52,610	6,389	19,948	863	4,037	20	4,224	17,128
2010		54,338	6,254	20,789	1,027	4,064	145	5,105	16,953
2011		64,919	8,509	25,307	1,424	5,439	144	5,626	18,470
2012		70,096	10,094	28,055	1,205	4,465	284	5,292	20,700
2013		68,250	10,177	26,035	1,063	3,505	136	6,288	21,046
2014		71,356	11,658	27,686	706	2,126	214	5,622	23,344
2015		75,903	12,606	27,345	599	1,693	198	7,606	25,856
2016		77,539	12,124	27,827	328	2,066	297	7,912	26,985
2017		80,941	13,071	28,006	831	2,573	384	7,026	29,050
2016	11	6,018	762	2,257	25	264	29	674	2,007
	12	6,763	817	2,480	114	256	66	906	2,123
2017	1	6,672	1,215	2,357	174	81	36	706	2,104
	2	6,253	1,147	2,159	72	90	47	570	2,167
	3	7,251	1,301	2,644	33	172	25	547	2,528
	4	6,075	1,199	2,086	-	89	22	512	2,166
	5	6,714	1,038	2,302	20	95	34	660	2,566
	6	6,077	778	2,081	12	92	33	540	2,542
	7	6,933	1,076	2,625	28	61	4	536	2,603
	8	6,825	820	2,406	41	239	13	664	2,642
	9	7,276	1,009	2,293	46	439	23	578	2,887
	10	6,546	1,053	2,364	9	350	38	566	2,165
	11	7,031	1,263	2,347	74	251	56	552	2,488
	12	7,287	1,173	2,341	322	615	52	594	2,191
2018 ^o	1	7,176	1,174	2,354	257	507	65	564	2,256
	2	6,586	1,122	2,174	181	427	49	525	2,108
	3	6,006	958	1,993	81	531	43	479	1,922
	4	6,636	1,231	2,286	39	316	37	540	2,185
	5	7,413	1,154	2,575	5	316	58	522	2,782
	6	6,887	1,073	2,397	17	276	63	619	2,442
	7	6,967	905	2,880	18	352	59	563	2,189
	8	7,627	1,165	2,413	14	342	38	626	3,030
	9	7,120	1,269	2,690	57	283	68	575	2,177
	10	7,864	1,304	2,976	115	225	104	659	2,480
	11	7,041	1,423	2,735	67	231	92	660	1,833
2017	1-11	73,654	11,898	25,665	509	1,958	332	6,432	26,859
2018 ^o	1-11	77,321	12,779	27,472	850	3,807	677	6,332	25,405

1. 경질중유(Bunker-A), 중유(Bunker-B), 중질중유(Bunker-C)의 합계

2. 기타는 항공유, 부생연료유, 정제가스, 용제, 아스팔트, 윤활유, 파라핀왁스, 석유코크, 기타제품(황, 프로필렌 등)을 포함.

자료: 한국석유공사-PEDSIS

1. Sum of Bunker-A, Bunker-B, and Bunker-C.

2. Includes jet fuel, by-product fuel oil, refinery gas, solvents, bitumens, lubricants, paraffin waxes, petroleum coke, and other.

Source: Korea National Oil Corporation-PEDSIS

3.7 석유제품 생산

Petroleum products production

		합계 Total	휘발유 Gasoline	경유 Gas/Diesel oil	등유 Kerosene	중유 ¹ Fuel oil	액화석유가스 LPG	납사 Naphtha	기타 ² Others
		1,000 kℓ							
1990		48,410	3,806	15,033	2,152	16,366	1,907	5,642	3,504
1991		64,900	4,537	20,234	2,161	23,559	2,026	8,433	3,949
1992		80,217	5,143	24,257	4,660	28,518	2,332	10,375	4,933
1993		85,849	6,561	26,704	5,074	30,067	2,223	10,410	4,809
1994		90,375	8,062	26,875	5,136	31,221	2,339	10,806	5,936
1995		102,243	9,612	28,761	6,665	33,268	2,499	14,041	7,396
1996		115,125	11,277	34,411	8,156	34,167	2,504	16,396	8,214
1997		144,908	12,504	41,999	11,431	37,852	3,315	24,534	13,272
1998		137,497	12,087	36,964	9,937	33,403	4,373	24,457	16,277
1999		144,848	11,949	34,765	14,388	38,248	4,806	26,145	14,547
2000		147,362	12,115	36,248	13,958	36,640	5,551	26,552	16,297
2001		144,253	12,163	34,800	11,897	35,874	6,258	25,862	17,400
2002		136,466	12,233	33,027	9,801	30,068	6,440	26,059	18,839
2003		133,712	11,613	32,222	10,070	32,433	6,061	23,676	17,635
2004		140,926	12,002	33,792	7,861	32,110	6,134	26,684	22,343
2005		146,726	11,737	36,720	6,883	33,569	5,926	28,040	23,851
2006		151,032	12,667	37,894	6,421	32,971	5,716	29,105	26,258
2007		151,973	12,435	40,254	4,513	29,289	5,398	31,281	28,804
2008		149,246	14,764	42,047	4,915	23,939	5,490	27,623	30,468
2009		145,097	17,278	41,608	5,169	19,806	5,586	25,289	30,361
2010		149,274	17,776	42,670	6,150	20,059	5,188	26,983	30,449
2011		159,343	19,652	46,468	5,520	19,860	2,912	31,018	33,913
2012		164,502	21,842	49,243	4,231	16,314	2,743	32,926	37,202
2013		159,299	21,465	47,342	3,418	12,633	3,186	33,012	38,242
2014		163,768	23,062	50,001	2,662	8,772	3,870	34,674	40,728
2015		177,583	25,012	53,009	2,940	9,217	4,033	39,736	43,636
2016		184,042	24,413	53,819	3,103	11,282	4,138	41,306	45,980
2017		195,495	25,105	54,831	3,163	10,805	5,026	49,264	47,302
2016	11	15,334	1,654	4,157	322	1,206	382	3,943	3,670
	12	16,558	2,011	4,825	546	988	351	4,284	3,553
2017	1	16,956	2,151	4,779	589	947	368	4,428	3,694
	2	15,545	2,061	4,184	479	959	381	3,962	3,519
	3	16,401	2,133	4,556	132	900	432	4,268	3,979
	4	15,001	2,120	4,319	130	594	420	3,628	3,791
	5	16,094	2,150	4,706	90	918	410	3,775	4,046
	6	14,747	1,717	4,345	106	894	353	3,602	3,731
	7	16,865	2,105	4,847	118	806	434	4,201	4,353
	8	16,718	2,017	4,877	198	782	437	4,319	4,088
	9	15,665	1,847	4,329	98	912	402	3,895	4,181
	10	17,373	2,273	4,795	252	973	450	4,337	4,294
	11	16,596	2,224	4,399	387	1,010	445	4,417	3,714
	12	17,535	2,307	4,695	584	1,109	495	4,432	3,913
2018 ^o	1	17,364	2,148	4,671	641	1,225	490	4,446	3,743
	2	15,781	1,967	4,093	678	1,028	424	4,048	3,543
	3	15,074	2,048	3,962	183	977	412	4,058	3,433
	4	15,879	2,129	4,527	100	1,012	409	3,923	3,779
	5	17,330	2,201	4,975	102	959	481	4,260	4,352
	6	16,228	2,098	4,708	81	759	443	3,871	4,267
	7	17,423	2,152	5,025	89	1,031	461	4,312	4,352
	8	16,479	2,061	4,761	114	978	442	4,092	4,032
	9	16,526	2,416	4,940	175	733	414	3,923	3,925
	10	17,078	2,430	4,762	361	648	454	4,324	4,100
	11	16,989	2,421	5,049	285	810	412	4,200	3,812
2017	1-11	177,960	22,797	50,135	2,579	9,696	4,531	44,832	43,389
2018 ^o	1-11	182,153	24,072	51,473	2,809	10,159	4,843	45,459	43,338

1. 경질중유(Bunker-A), 중유(Bunker-B), 중질중유(Bunker-C)의 합계

2. 기타는 항공유, 부생연료유, 정제가스, 용제, 아스팔트, 윤활유, 파라핀왁스, 석유코크, 기타제품(황, 프로필렌 등)을 포함.

자료: 한국석유공사-PEDSIS

1. Sum of Bunker-A, Bunker-B, and Bunker-C.

2. Includes jet fuel, by-product fuel oil, refinery gas, solvents, bitumens, lubricants, paraffin waxes, petroleum coke, and other.

Source: Korea National Oil Corporation-PEDSIS

3.8 석유제품 공급

Petroleum products supply

		합계	휘발유	경유	등유	중유 ¹	액화석유가스	납사	기타 ²
		Total	Gasoline	Gas/Diesel oil	Kerosene	Fuel oil	LPG	Naphtha	Others
		1,000 kℓ							
1990		56,654	3,767	15,493	3,965	17,278	5,678	7,560	2,913
1991		67,515	4,565	18,207	4,070	20,180	6,857	10,441	3,195
1992		81,753	5,604	20,260	5,445	22,971	8,572	15,447	3,455
1993		89,758	6,758	21,943	6,878	23,853	9,450	17,262	3,616
1994		98,808	8,122	23,413	7,605	26,098	10,088	19,599	3,883
1995		107,666	9,441	25,932	9,963	26,642	10,567	20,902	4,218
1996		114,637	10,806	27,410	11,711	26,721	10,881	22,460	4,648
1997		126,217	11,345	26,517	13,518	26,191	11,387	30,989	6,271
1998		106,564	9,712	19,137	9,771	17,591	10,810	34,000	5,543
1999		114,414	10,156	20,043	12,230	19,175	12,243	34,803	5,764
2000		118,055	9,918	20,577	11,114	20,624	13,464	36,415	5,943
2001		118,231	9,969	21,013	9,810	20,361	13,415	37,090	6,573
2002		121,284	10,187	21,947	9,295	19,316	14,533	39,000	7,005
2003		121,295	9,616	23,111	8,406	18,414	14,087	40,130	7,531
2004		119,608	9,245	22,862	6,851	16,690	14,059	41,792	8,110
2005		121,000	9,469	22,660	6,263	15,980	14,574	43,442	8,612
2006		121,706	9,519	22,645	5,000	15,404	14,857	45,629	8,651
2007		126,384	9,937	23,105	4,161	14,755	15,444	50,375	8,607
2008		120,930	10,006	21,385	4,397	11,128	16,197	49,503	8,313
2009		123,766	10,473	21,035	4,132	11,038	16,903	51,292	8,893
2010		126,278	10,959	21,407	4,667	10,381	16,721	52,754	9,389
2011		127,448	11,061	21,329	4,043	8,744	15,771	56,470	10,031
2012		131,588	11,409	21,737	3,499	8,666	15,179	61,146	9,951
2013		131,194	11,672	22,738	2,992	7,372	14,795	61,089	10,537
2014		130,599	11,681	23,027	2,453	5,289	14,241	63,012	10,894
2015		136,130	12,173	24,860	2,580	6,097	14,287	65,312	10,820
2016		146,933	12,548	26,480	3,030	7,549	17,323	68,378	11,625
2017		149,458	12,658	26,846	3,022	5,694	16,716	72,870	11,651
2016	11	12,677	1,031	2,264	356	559	1,599	5,889	980
	12	13,681	1,081	2,479	502	753	1,612	6,183	1,071
2017	1	12,729	963	1,959	456	655	1,613	6,250	833
	2	11,883	935	1,962	401	602	1,359	5,783	841
	3	12,840	1,044	2,281	280	491	1,327	6,480	938
	4	11,470	1,005	2,190	146	419	1,284	5,429	998
	5	12,230	1,106	2,325	114	409	1,404	5,873	998
	6	11,877	1,061	2,348	84	367	1,385	5,620	1,011
	7	12,636	1,131	2,336	82	481	1,414	6,198	994
	8	12,428	1,132	2,201	98	422	1,409	6,148	1,017
	9	12,281	1,094	2,354	172	391	1,354	5,911	1,005
	10	12,743	1,067	2,188	247	388	1,389	6,508	957
	11	12,777	1,052	2,343	387	475	1,279	6,170	1,071
	12	13,565	1,068	2,358	555	595	1,498	6,499	991
2018 ^p	1	13,359	1,035	2,177	583	694	1,524	6,410	936
	2	11,907	955	1,892	468	507	1,468	5,811	806
	3	12,353	1,048	2,236	229	522	1,538	5,880	900
	4	12,202	1,025	2,248	140	392	1,397	5,972	1,028
	5	12,489	1,050	2,215	112	372	1,546	6,182	1,012
	6	12,035	1,087	2,308	85	348	1,479	5,753	974
	7	12,367	1,121	2,291	70	412	1,420	6,073	980
	8	12,336	1,158	2,295	100	429	1,397	6,032	925
	9	12,192	1,088	2,159	161	341	1,328	6,089	1,025
	10	11,661	896	1,956	244	437	1,290	5,776	1,062
	11	12,068	1,110	2,378	296	371	1,346	5,585	981
2017	1-11	135,894	11,590	24,488	2,467	5,099	15,218	66,371	10,661
2018 ^p	1-11	134,968	11,572	24,157	2,489	4,825	15,732	65,563	10,628

1. 경질중유(Bunker-A), 중유(Bunker-B), 중질중유(Bunker-C)의 합계

2. 기타는 항공유, 부생연료유, 정제가스, 용제, 아스팔트, 윤활유, 파라핀왁스, 석유코크, 기타제품(황, 프로필렌 등)을 포함.

주: 1차에너지 공급량 기준

자료: 한국석유공사-PEDSIS

1. Sum of Bunker-A, Bunker-B, and Bunker-C.

2. Includes jet fuel, by-product fuel oil, refinery gas, solvents, bitumens, lubricants, paraffin waxes, petroleum coke, and other.

Note: Based on primary energy supply.

Source: Korea National Oil Corporation-PEDSIS

3.9 휘발유 수급

Gasoline supply and demand

	생산 Production	수입 Import	수출 Export	재고 Stock	공급 ¹ Supply	소비 Consumption					
						합계 Total	산업 Industry	수송 Transport	가정 Residential	상업·공공 Commercial/ Public	
1,000 kℓ											
1990	3,806	-	5	180	3,767	...	...	...	...	...
1991	4,537	-	158	199	4,565	4,564	106	4,281	8	169	
1992	5,143	-	19	200	5,604	5,602	140	5,316	10	136	
1993	6,561	-	83	454	6,758	6,758	187	6,439	12	120	
1994	8,062	-	90	297	8,122	8,122	219	7,773	14	116	
1995	9,612	-	70	344	9,441	9,441	225	9,069	16	130	
1996	11,277	-	405	385	10,806	10,806	256	10,439	17	95	
1997	12,504	-	1,617	499	11,345	11,345	307	10,933	7	97	
1998	12,087	34	2,482	455	9,712	9,712	391	9,178	7	136	
1999	11,949	62	1,792	500	10,156	10,156	348	9,723	6	79	
2000	12,115	118	2,364	589	9,918	9,918	347	9,498	3	69	
2001	12,163	335	2,570	554	9,969	9,969	424	9,456	5	84	
2002	12,233	641	2,468	542	10,187	10,187	492	9,592	17	86	
2003	11,613	328	2,152	528	9,616	9,616	320	9,197	10	89	
2004	12,002	194	2,913	515	9,245	9,245	322	8,838	4	82	
2005	11,737	12	2,308	500	9,469	9,469	327	9,051	4	87	
2006	12,667	-	3,168	512	9,519	9,519	301	9,126	1	91	
2007	12,435	-	2,438	532	9,937	9,936	256	9,608	3	70	
2008	14,764	-	4,914	421	10,006	10,005	248	9,682	5	71	
2009	17,278	-	6,389	509	10,473	10,472	249	10,132	8	83	
2010	17,776	-	6,254	611	10,959	10,958	240	10,623	11	84	
2011	19,652	-	8,509	509	11,061	11,061	247	10,723	17	73	
2012	21,842	13	10,094	811	11,409	11,409	239	11,069	17	84	
2013	21,465	273	10,177	805	11,672	11,672	247	11,314	16	95	
2014	23,062	-	11,658	707	11,681	11,681	232	11,317	22	109	
2015	25,012	61	12,606	812	12,173	12,173	227	11,807	28	111	
2016	24,413	221	12,124	906	12,548	12,548	214	12,225	15	93	
2017	25,105	179	13,071	902	12,658	12,658	239	12,324	13	82	
2016	11	1,654	13	762	683	1,031	1,031	16	1,008	0	7
	12	2,011	52	817	906	1,081	1,081	18	1,055	0	8
2017	1	2,151	-	1,215	890	963	963	14	943	0	6
	2	2,061	12	1,147	898	935	935	11	918	1	6
	3	2,133	-	1,301	744	1,044	1,044	17	1,020	1	6
	4	2,120	-	1,199	702	1,005	1,005	19	979	1	6
	5	2,150	19	1,038	762	1,106	1,106	19	1,079	1	7
	6	1,717	58	778	722	1,061	1,061	21	1,032	1	7
	7	2,105	22	1,076	672	1,131	1,131	17	1,106	1	8
	8	2,017	55	820	836	1,132	1,132	20	1,104	1	7
	9	1,847	-	1,009	720	1,094	1,094	22	1,062	1	8
	10	2,273	-	1,053	828	1,067	1,067	30	1,028	1	7
	11	2,224	-	1,263	787	1,052	1,052	32	1,011	1	8
	12	2,307	13	1,173	902	1,068	1,068	18	1,042	1	7
2018 ^o	1	2,148	-	1,174	872	1,035	1,035	17	1,009	1	8
	2	1,967	-	1,122	783	955	955	13	934	1	7
	3	2,048	-	958	865	1,048	1,048	18	1,021	1	8
	4	2,129	12	1,231	782	1,025	1,025	20	996	1	8
	5	2,201	-	1,154	812	1,050	1,050	20	1,020	1	9
	6	2,098	-	1,073	790	1,087	1,087	18	1,060	1	8
	7	2,152	-	905	934	1,121	1,121	16	1,094	1	9
	8	2,061	16	1,165	724	1,158	1,158	17	1,130	1	9
	9	2,416	-	1,269	832	1,088	1,088	20	1,057	2	9
	10	2,430	-	1,304	1,109	896	896	28	859	1	9
	11	2,421	-	1,423	1,041	1,110	1,110	20	1,079	2	9
2017	1-11	22,797	166	11,898	787	11,590	11,590	221	11,282	12	75
2018 ^o	1-11	24,072	28	12,779	1,041	11,572	11,572	206	11,259	14	93

1. 1차에너지 공급량
자료: 한국석유공사-PEDSIS

1. Primary energy supply.
Source: Korea National Oil Corporation-PEDSIS

3.10 경유 수급

Gas/Diesel oil supply and demand

		생산 Production	수입 Import	수출 Export	재고 Stock	공급 ¹ Supply	소비 Consumption				
							합계 Total	산업 Industry	수송 Transport	가정 Residential	상업·공공 Commercial/ Public
1,000 kℓ											
1990		15,033	2,160	1,662	527	15,493	...	...	...	...	...
1991		20,234	1,718	3,285	760	18,207	17,880	3,768	9,560	1,201	3,352
1992		24,257	919	4,312	1,075	20,260	19,613	3,929	10,412	1,650	3,622
1993		26,704	1,785	5,677	1,273	21,943	21,604	4,619	12,433	2,046	2,505
1994		26,875	2,772	5,455	1,362	23,413	22,953	4,435	12,200	1,983	4,335
1995		28,761	5,118	6,748	1,767	25,932	24,962	4,659	13,738	2,136	4,429
1996		34,411	2,948	8,618	1,875	27,410	25,763	4,932	14,752	2,168	3,909
1997		41,999	498	14,898	1,949	26,517	25,136	5,055	14,386	1,637	4,057
1998		36,964	349	17,367	1,631	19,137	18,840	3,736	11,380	624	3,100
1999		34,765	367	14,047	1,534	20,043	19,869	3,654	12,744	436	3,034
2000		36,248	448	15,370	1,630	20,577	20,498	3,987	14,439	138	1,934
2001		34,800	1,062	14,379	1,416	21,013	20,964	4,001	15,100	70	1,794
2002		33,027	2,055	12,120	1,130	21,947	21,836	3,687	16,401	260	1,487
2003		32,222	1,771	9,669	1,162	23,111	22,743	3,359	17,507	472	1,406
2004		33,792	682	10,817	1,423	22,862	22,829	3,120	17,813	1,231	665
2005		36,720	304	13,655	1,180	22,660	22,638	3,051	17,719	1,166	703
2006		37,894	251	14,550	1,328	22,645	22,613	3,264	17,819	773	757
2007		40,254	122	16,371	1,621	23,105	23,075	3,336	18,148	817	775
2008		42,047	59	20,817	1,363	21,385	21,353	2,985	16,985	650	732
2009		41,608	133	19,948	1,186	21,035	21,012	3,067	16,546	625	775
2010		42,670	121	20,789	1,322	21,407	21,368	3,233	16,723	570	842
2011		46,468	151	25,307	1,177	21,329	21,232	3,193	16,663	573	803
2012		49,243	760	28,055	1,491	21,737	21,556	3,112	16,997	558	889
2013		47,342	1,367	26,035	1,517	22,738	22,619	3,276	17,869	612	862
2014		50,001	819	27,686	1,380	23,027	23,006	3,015	18,326	656	1,009
2015		53,009	42	27,345	1,761	24,860	24,846	2,794	19,991	911	1,150
2016		53,819	32	27,827	1,369	26,480	26,451	2,697	21,610	1,002	1,141
2017		54,831	37	28,006	1,504	26,846	26,831	2,554	22,011	1,090	1,176
2016	11	4,157	2	2,257	1,499	2,264	2,261	262	1,814	89	97
	12	4,825	5	2,480	1,369	2,479	2,476	286	1,964	105	122
2017	1	4,779	2	2,357	1,836	1,959	1,958	188	1,597	79	93
	2	4,184	2	2,159	1,915	1,962	1,961	126	1,640	88	107
	3	4,556	4	2,644	1,565	2,281	2,279	193	1,863	110	113
	4	4,319	4	2,086	1,649	2,190	2,190	199	1,797	103	91
	5	4,706	2	2,302	1,764	2,325	2,325	187	1,947	97	94
	6	4,345	2	2,081	1,570	2,348	2,347	219	1,924	102	103
	7	4,847	4	2,625	1,481	2,336	2,335	239	1,922	91	83
	8	4,877	5	2,406	1,810	2,201	2,200	226	1,804	81	89
	9	4,329	4	2,293	1,592	2,354	2,353	240	1,917	106	89
	10	4,795	3	2,364	1,718	2,188	2,185	248	1,773	78	85
	11	4,399	3	2,347	1,478	2,343	2,341	271	1,888	76	106
	12	4,695	2	2,341	1,504	2,358	2,356	216	1,938	79	123
2018 ^o	1	4,671	3	2,354	1,658	2,177	2,171	223	1,740	86	122
	2	4,093	3	2,174	1,699	1,892	1,887	130	1,557	83	117
	3	3,962	3	1,993	1,414	2,236	2,234	168	1,847	109	110
	4	4,527	3	2,286	1,467	2,248	2,243	226	1,811	104	101
	5	4,975	4	2,575	1,702	2,215	2,212	205	1,832	92	83
	6	4,708	1	2,397	1,800	2,308	2,302	169	1,935	104	94
	7	5,025	2	2,880	1,723	2,291	2,283	226	1,888	90	79
	8	4,761	3	2,413	1,863	2,295	2,286	202	1,913	86	84
	9	4,940	4	2,690	2,070	2,159	2,154	227	1,745	96	86
	10	4,762	5	2,976	1,841	1,956	1,951	228	1,573	69	81
	11	5,049	2	2,735	1,857	2,378	2,377	198	1,993	81	105
2017	1-11	50,135	35	25,665	1,478	24,488	24,474	2,338	20,073	1,011	1,053
2018 ^o	1-11	51,473	33	27,472	1,857	24,157	24,100	2,202	19,833	1,002	1,063

1. 1차에너지 공급량
자료: 한국석유공사-PEDSIS

1. Primary energy supply.
Source: Korea National Oil Corporation-PEDSIS

3.11 등유 수급

Kerosene supply and demand

	생산 Production	수입 Import	수출 Export	재고 Stock	공급 ¹ Supply	소비 Consumption					
						합계 Total	산업 Industry	수송 Transport	가정 Residential	상업·공공 Commercial/ Public	
	1,000 kℓ										
1990	2,152	2,777	15	991	3,965	...	...	...	...	...
1991	2,161	1,553	-	309	4,070	4,069	761	24	1,892	1,392	
1992	4,660	1,429	1	521	5,445	5,444	812	38	2,925	1,668	
1993	5,074	2,546	1	795	6,878	6,877	1,288	167	3,956	1,466	
1994	5,136	2,717	74	947	7,605	7,604	885	35	4,333	2,351	
1995	6,665	3,714	90	1,001	9,963	9,963	1,158	36	5,834	2,934	
1996	8,156	4,401	463	1,276	11,711	11,707	1,192	47	7,126	3,341	
1997	11,431	2,507	1,630	998	13,518	13,514	2,239	45	7,020	4,210	
1998	9,937	811	1,105	1,232	9,771	9,759	1,859	56	4,620	3,224	
1999	14,388	427	2,383	1,261	12,230	12,053	1,357	25	6,297	4,373	
2000	13,958	1,092	3,160	1,712	11,114	10,962	1,310	14	6,250	3,388	
2001	11,897	844	2,863	1,378	9,810	9,730	1,043	21	6,185	2,480	
2002	9,801	1,100	1,622	782	9,295	9,126	1,071	36	5,574	2,444	
2003	10,070	1,053	2,090	978	8,406	8,124	951	30	4,866	2,276	
2004	7,861	272	1,223	707	6,851	6,718	888	17	3,981	1,831	
2005	6,883	57	708	449	6,263	6,135	871	14	3,651	1,599	
2006	6,421	41	757	753	5,000	4,833	749	10	2,861	1,212	
2007	4,513	82	199	577	4,161	4,039	696	8	2,353	982	
2008	4,915	60	381	383	4,397	4,296	685	8	2,509	1,093	
2009	5,169	11	863	367	4,132	4,020	662	8	2,281	1,069	
2010	6,150	53	1,027	478	4,667	4,563	792	13	2,531	1,226	
2011	5,520	66	1,424	386	4,043	3,986	676	13	2,328	968	
2012	4,231	24	1,205	317	3,499	3,454	586	20	2,057	791	
2013	3,418	16	1,063	369	2,992	2,951	520	8	1,744	679	
2014	2,662	21	706	273	2,453	2,444	253	5	1,634	552	
2015	2,940	2	599	354	2,580	2,577	162	10	1,838	567	
2016	3,103	3	328	353	3,030	2,953	172	3	2,181	597	
2017	3,163	6	831	289	3,022	2,883	152	0	2,170	561	
2016	11	322	-	25	354	356	339	16	0	254	69
	12	546	-	114	353	502	492	24	2	367	99
2017	1	589	1	174	398	456	451	21	0	340	89
	2	479	-	72	448	401	381	18	0	284	80
	3	132	-	33	325	280	266	14	0	202	50
	4	130	-	-	336	146	136	7	0	99	29
	5	90	-	20	305	114	96	6	0	68	22
	6	106	1	12	326	84	78	5	0	55	17
	7	118	-	28	327	82	69	5	0	47	17
	8	198	1	41	405	98	86	6	0	65	14
	9	98	2	46	314	172	162	9	0	125	28
	10	252	-	9	362	247	237	12	0	186	40
	11	387	-	74	351	387	379	20	0	288	70
	12	584	-	322	289	555	542	28	0	410	104
2018 ^o	1	641	-	257	273	583	567	29	3	421	114
	2	678	-	181	417	468	453	23	2	332	95
	3	183	-	81	350	229	218	11	2	161	43
	4	100	-	39	308	140	127	7	1	92	28
	5	102	-	5	328	112	97	7	1	69	21
	6	81	-	17	286	85	72	5	0	49	18
	7	89	-	18	319	70	56	4	1	38	12
	8	114	0	14	320	100	86	6	0	63	16
	9	175	-	57	306	161	151	9	1	114	27
	10	361	-	115	411	244	228	12	1	178	37
	11	285	-	67	366	296	285	15	2	212	55
2017	1-11	2,579	6	509	351	2,467	2,341	124	0	1,760	457
2018 ^o	1-11	2,809	0	850	366	2,489	2,338	129	14	1,729	466

1. 1차에너지 공급량

주: 실내등유와 보일러 등유의 합계

자료: 한국석유공사-PEDSIS

1. Primary energy supply.

Note: Sum of kerosene and heating oil.

Source: Korea National Oil Corporation-PEDSIS

3.12 중유 수급

Fuel oil supply and demand

		생산 Production	수입 Import	수출 Export	재고 Stock	공급 ¹ Supply	소비 Consumption				
							합계 Total	산업 Industry	수송 Transport	가정 Residential	상업·공공 Commercial/ Public
1,000 kℓ											
		16,366	4,397	1,922	576	17,278	...	...	...	...	...
		23,559	5,439	6,030	984	20,180	13,672	10,181	1,589	932	970
		28,518	5,449	8,062	1,492	22,971	15,132	11,202	1,925	993	1,012
		30,067	5,187	7,900	1,318	23,853	16,115	11,447	2,439	797	1,432
		31,221	5,642	6,372	1,773	26,098	17,396	12,544	2,796	1,134	921
		33,268	3,947	6,397	1,630	26,642	17,394	12,112	3,242	1,145	896
		34,167	4,633	6,848	1,781	26,721	17,936	12,452	3,546	1,034	905
		37,852	4,254	7,988	2,016	26,191	18,148	11,119	5,395	787	848
		33,403	2,055	9,577	1,723	17,591	14,052	9,238	3,879	562	373
		38,248	2,623	13,096	1,664	19,175	15,260	10,346	3,994	531	389
		36,640	3,992	11,472	1,855	20,624	14,297	9,410	4,020	518	348
		35,874	3,548	10,654	1,951	20,361	13,378	8,739	3,839	468	332
		30,068	3,768	5,568	1,845	19,316	13,269	8,569	3,919	456	325
		32,433	2,199	7,287	1,630	18,414	12,627	7,880	3,971	432	344
		32,110	1,317	7,240	1,873	16,690	11,422	7,208	3,606	325	282
		33,569	639	8,914	1,487	15,980	11,077	6,723	3,686	333	335
		32,971	1,389	9,263	1,708	15,404	10,728	6,048	3,987	302	391
		29,289	940	6,789	1,498	14,755	9,929	5,398	3,717	276	539
		23,939	1,143	5,597	1,517	11,128	8,385	4,497	3,282	245	362
		19,806	3,157	4,037	1,449	11,038	7,364	3,937	2,961	231	236
		20,059	2,779	4,064	1,595	10,381	7,002	3,647	2,943	201	211
		19,860	2,447	5,439	1,786	8,744	6,362	2,969	3,048	172	172
		16,314	4,316	4,465	1,684	8,666	5,163	2,058	2,839	133	133
		12,633	7,040	3,505	1,673	7,372	3,749	1,432	2,097	97	124
		8,772	8,268	2,126	1,797	5,289	3,512	1,312	2,039	61	101
		9,217	7,430	1,693	1,879	6,097	4,090	1,360	2,524	58	148
		11,282	7,508	2,066	1,677	7,549	4,537	1,428	2,952	51	106
		10,805	6,374	2,573	1,848	5,694	4,506	1,238	3,084	50	134
2016	11	1,206	511	264	1,908	559	380	125	244	3	8
	12	988	529	256	1,677	753	435	142	275	6	12
2017	1	947	565	81	1,663	655	397	104	274	8	11
	2	959	522	90	1,788	602	382	96	270	7	9
	3	900	514	172	1,737	491	425	113	293	7	13
	4	594	620	89	1,782	419	374	106	251	4	12
	5	918	646	95	1,952	409	361	97	252	2	10
	6	894	520	92	2,096	367	320	91	216	2	11
	7	806	386	61	2,044	481	391	104	276	1	10
	8	782	426	239	1,955	422	364	93	259	2	10
	9	912	414	439	1,857	391	362	117	230	3	12
	10	973	606	350	2,066	388	358	95	251	2	9
	11	1,010	407	251	1,956	475	407	114	275	5	13
	12	1,109	747	615	1,848	595	364	107	236	8	14
2018 ^o	1	1,225	621	507	1,804	694	416	112	275	11	18
	2	1,028	558	427	1,842	507	338	86	231	8	13
	3	977	631	531	1,692	522	357	91	243	7	15
	4	1,012	526	316	1,745	392	360	105	239	5	11
	5	959	586	316	1,828	372	339	105	219	2	13
	6	759	594	276	1,929	348	315	90	215	1	9
	7	1,031	369	352	1,885	412	314	86	218	1	8
	8	978	408	342	1,718	429	310	81	221	1	7
	9	733	711	283	1,806	341	312	82	221	2	8
	10	648	511	225	1,658	437	352	98	241	3	11
	11	810	623	231	1,865	371	326	84	229	3	10
2017	1-11	9,696	5,627	1,958	1,956	5,099	4,142	1,131	2,848	43	120
2018 ^o	1-11	10,159	6,136	3,807	1,865	4,825	3,740	1,021	2,552	44	123

1. 1차에너지 공급량

주: 경질중유(Bunker-A), 중유(Bunker-B), 중질중유(Bunker-C)의 합계
 자료: 한국석유공사-PEDSIS

1. Primary energy supply.

Note: Sum of Bunker-A, Bunker-B, and Bunker-C.
 Source: Korea National Oil Corporation-PEDSIS

3.13 액화석유가스(LPG) 수급

LPG supply and demand

	생산 Production	수입 Import	수출 Export	재고 Stock	공급 ¹ Supply	소비 Consumption					
						합계 Total	산업 Industry	수송 Transport	가정 Residential	상업·공공 Commercial/ Public	
1,000 ton											
1990	1,065	2,247	94	203	3,020	...	...	...	...	...
1991	1,131	2,503	116	143	3,637	3,266	368	1,076	1,807	14	
1992	1,296	3,298	58	217	4,563	4,038	842	1,178	1,971	48	
1993	1,234	3,798	117	196	5,022	4,298	2,336	1,258	399	305	
1994	1,303	4,044	116	91	5,365	4,544	996	1,410	2,111	28	
1995	1,399	4,398	248	79	5,593	4,568	860	1,496	2,189	23	
1996	1,390	4,578	300	72	5,760	4,809	885	1,577	2,327	21	
1997	1,835	4,739	385	352	6,035	5,403	1,314	1,686	2,371	32	
1998	2,428	4,075	887	333	5,769	5,432	1,569	1,771	1,890	201	
1999	2,673	4,790	1,158	259	6,552	6,188	1,700	2,202	2,124	162	
2000	3,091	4,677	688	262	7,261	7,002	1,625	2,926	2,335	117	
2001	3,498	4,059	416	217	7,296	7,144	1,418	3,344	2,282	100	
2002	3,603	4,745	247	412	7,903	7,767	1,710	3,584	2,338	136	
2003	3,395	4,276	247	459	7,690	7,615	1,567	3,742	2,180	127	
2004	3,430	4,037	83	538	7,705	7,628	1,694	3,870	1,951	113	
2005	3,312	4,205	62	432	7,983	7,870	1,822	3,966	992	1,089	
2006	3,190	4,606	66	409	8,158	8,091	2,038	4,105	838	1,110	
2007	3,013	4,983	45	259	8,493	8,431	2,153	4,366	873	1,038	
2008	3,037	5,448	31	221	8,931	8,754	2,694	4,381	806	873	
2009	3,065	5,723	10	190	9,290	9,092	2,906	4,500	805	881	
2010	2,823	6,008	74	222	9,156	8,761	2,669	4,468	794	830	
2011	1,583	6,366	75	267	8,636	8,110	2,268	4,249	769	823	
2012	1,476	6,018	147	235	8,307	7,712	2,082	4,104	660	866	
2013	1,739	5,705	70	165	8,136	7,998	2,459	4,013	722	804	
2014	2,128	5,480	112	365	7,836	7,776	2,586	3,759	703	727	
2015	2,214	5,358	105	312	7,793	7,720	2,494	3,717	546	962	
2016	2,268	7,025	155	274	9,340	9,251	4,132	3,552	610	957	
2017	2,768	6,121	200	338	8,986	8,861	3,992	3,325	572	973	
2016	11	210	767	15	408	857	852	397	291	59	106
	12	191	543	33	274	862	857	394	285	72	107
2017	1	201	631	18	250	865	853	391	290	66	106
	2	209	494	24	231	728	717	309	256	58	94
	3	238	519	13	293	711	697	297	266	50	84
	4	231	530	12	366	688	679	302	259	43	74
	5	226	454	18	300	755	742	349	281	41	70
	6	195	535	18	288	747	739	359	277	37	66
	7	240	503	2	291	763	757	362	296	35	64
	8	242	536	7	337	761	753	324	315	41	73
	9	222	475	13	342	729	720	332	276	40	72
	10	248	430	20	286	748	740	346	275	43	76
	11	245	473	29	314	687	673	281	255	51	87
	12	272	540	27	338	803	792	340	278	67	107
2018 ^p	1	269	561	34	358	818	809	375	258	69	107
	2	233	605	26	419	785	734	363	228	56	87
	3	227	535	23	353	827	792	385	261	55	91
	4	225	605	20	413	755	746	350	265	52	80
	5	266	446	26	296	832	825	417	280	50	77
	6	245	581	34	313	796	782	419	263	38	62
	7	255	533	31	322	768	759	392	276	34	57
	8	246	522	19	332	753	742	367	281	35	58
	9	228	474	36	292	715	709	343	264	39	61
	10	249	568	54	378	693	685	330	240	45	70
	11	225	595	47	452	722	713	342	244	49	77
2017	1-11	2,496	5,581	174	314	8,183	8,069	3,652	3,047	505	866
2018 ^p	1-11	2,668	6,026	350	452	8,465	8,295	4,085	2,862	522	827

1. 1차에너지 공급량
 주: 부탄과 프로판의 합계
 자료: 한국석유공사-PEDSIS

1. Primary energy supply.
 Note: Sum of butane and propane.
 Source: Korea National Oil Corporation-PEDSIS

3.14 납사 수급

Naphtha supply and demand

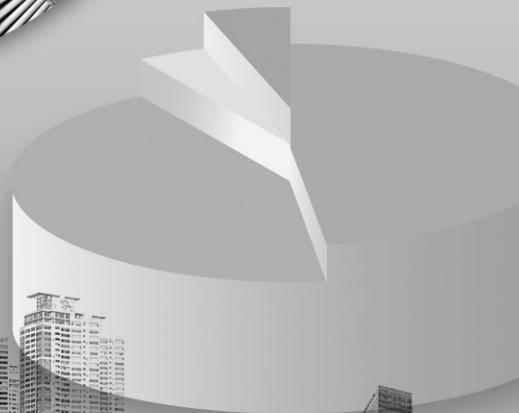
	생산 Production	수입 Import	수출 Export	재고 Stock	공급 ¹ Supply	소비 Consumption				
						합계 Total	산업 Industry	수송 Transport	가정 Residential	상업·공공 Commercial/ Public
1,000 ton										
1990	3,861	1,676	362	185	5,173	...	...	-	-	-
1991	5,771	2,705	612	334	7,144	7,144	7,144	-	-	-
1992	7,099	5,216	591	696	10,570	10,570	10,570	-	-	-
1993	7,123	6,790	1,124	731	11,812	11,812	11,812	-	-	-
1994	7,394	7,851	995	681	13,411	13,411	13,411	-	-	-
1995	9,608	7,815	2,321	579	14,303	14,303	14,303	-	-	-
1996	11,219	8,725	3,347	737	15,369	15,369	15,369	-	-	-
1997	16,788	8,630	4,019	879	21,205	21,205	21,205	-	-	-
1998	16,735	11,434	4,879	868	23,265	23,265	23,265	-	-	-
1999	17,890	11,001	5,028	673	23,815	23,815	23,815	-	-	-
2000	18,169	12,106	5,314	753	24,917	24,917	24,915	-	-	2
2001	17,697	13,026	5,573	996	25,379	25,379	25,379	-	-	-
2002	17,832	13,263	4,889	829	26,687	26,687	26,687	-	-	-
2003	16,201	14,358	3,369	639	27,460	27,460	27,460	-	-	-
2004	18,259	14,291	3,390	1,194	28,597	28,597	28,597	-	-	-
2005	19,187	13,413	2,806	1,257	29,726	29,726	29,726	-	-	-
2006	19,916	13,812	3,045	1,159	31,223	31,223	31,223	-	-	-
2007	21,405	15,640	3,201	1,048	34,470	34,470	34,470	-	-	-
2008	18,901	16,686	2,493	1,065	33,873	33,873	33,873	-	-	-
2009	17,304	19,673	2,890	906	35,097	35,097	35,097	-	-	-
2010	18,464	20,517	3,493	961	36,098	36,098	36,098	-	-	-
2011	21,225	20,507	3,850	958	38,641	38,641	38,641	-	-	-
2012	22,530	22,567	3,621	1,283	41,840	41,840	41,840	-	-	0
2013	22,589	22,660	4,303	1,384	41,802	41,802	41,802	-	-	-
2014	23,726	22,381	3,847	1,394	43,117	43,117	43,117	-	-	-
2015	27,190	21,498	5,204	1,319	44,691	44,691	44,691	-	-	-
2016	28,265	21,999	5,414	1,339	46,789	46,789	46,789	-	-	-
2017	33,710	21,718	4,808	1,110	49,863	49,863	49,863	-	-	-
2016	11	2,698	1,801	461	1,380	4,030	4,030	4,030	-	-
2016	12	2,931	1,866	620	1,339	4,231	4,231	4,231	-	-
2017	1	3,030	1,666	483	1,232	4,276	4,276	4,276	-	-
2017	2	2,711	1,700	390	1,251	3,957	3,957	3,957	-	-
2017	3	2,921	1,951	375	1,247	4,434	4,434	4,434	-	-
2017	4	2,482	1,643	351	1,250	3,715	3,715	3,715	-	-
2017	5	2,583	1,920	452	1,268	4,019	4,019	4,019	-	-
2017	6	2,465	1,963	369	1,392	3,846	3,846	3,846	-	-
2017	7	2,875	1,844	367	1,402	4,241	4,241	4,241	-	-
2017	8	2,956	1,688	454	1,249	4,207	4,207	4,207	-	-
2017	9	2,665	2,079	396	1,433	4,045	4,045	4,045	-	-
2017	10	2,967	1,914	388	1,400	4,453	4,453	4,453	-	-
2017	11	3,022	1,739	377	1,448	4,222	4,222	4,222	-	-
2017	12	3,033	1,612	406	1,110	4,447	4,447	4,447	-	-
2018 ^p	1	3,042	1,834	386	1,107	4,386	4,386	4,386	-	-
2018 ^p	2	2,770	2,013	359	1,415	3,976	3,976	3,976	-	-
2018 ^p	3	2,777	1,921	328	1,543	4,023	4,023	4,023	-	-
2018 ^p	4	2,684	1,756	370	1,253	4,086	4,086	4,086	-	-
2018 ^p	5	2,915	2,050	357	1,370	4,230	4,230	4,230	-	-
2018 ^p	6	2,649	1,942	423	1,287	3,937	3,937	3,937	-	-
2018 ^p	7	2,951	2,166	385	1,581	4,155	4,155	4,155	-	-
2018 ^p	8	2,800	1,966	428	1,399	4,128	4,128	4,128	-	-
2018 ^p	9	2,684	2,051	394	1,340	4,166	4,166	4,166	-	-
2018 ^p	10	2,959	1,930	451	1,417	3,952	3,952	3,952	-	-
2018 ^p	11	2,874	1,897	452	1,546	3,821	3,821	3,821	-	-
2017	1-11	30,677	20,105	4,401	1,448	45,416	45,416	45,416	-	-
2018 ^p	1-11	31,106	21,527	4,332	1,546	44,863	44,863	44,863	-	-

자료: 한국석유공사-PEDSIS

Source: Korea National Oil Corporation-PEDSIS

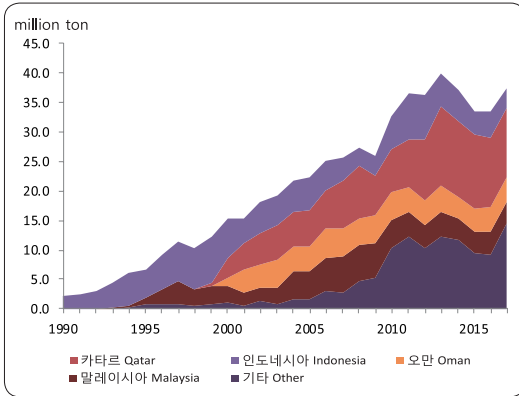
4. 가스

Natural gas & City gas

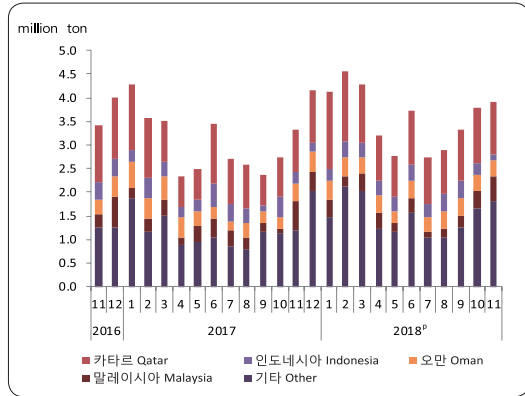


□ 천연가스 수입 Natural gas import

<1990~2017>

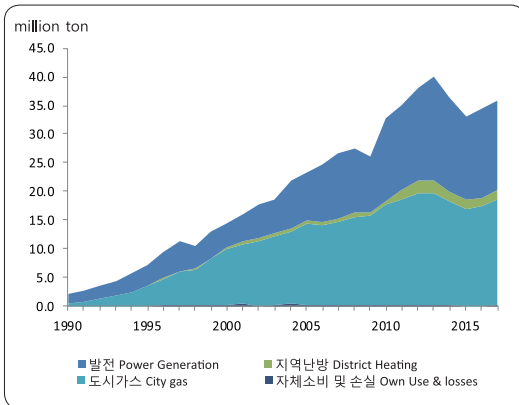


<월별 Monthly>

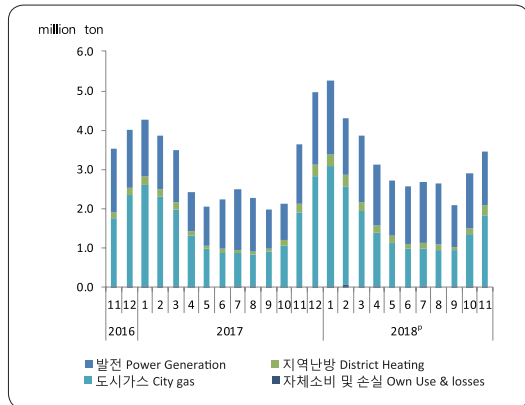


□ 천연가스 소비 Natural gas consumption

<1990~2017>

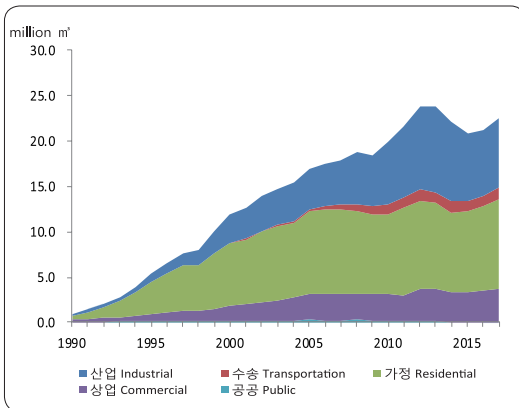


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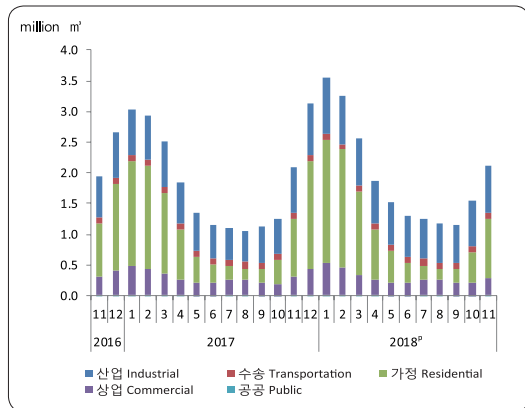


□ 도시가스 소비 City gas consumption

<1990~2017>



<월별 Monthly>



4.1. 천연가스 수입

Natural gas import

	카고수 ¹ No. of cargos unit	수입액 Import value million US\$	수입량 Import volume 1,000 ton						
			합계 Total	카타르 Qatar	인도네시아 Indonesia	오만 Oman	말레이시아 Malaysia	기타 ² Other	
1990	41	460	2,237	-	2,237	-	0	-	
1991	49	485	2,494	-	2,436	-	58	-	
1992	61	562	2,994	-	2,935	-	58	-	
1993	79	781	4,459	-	4,112	-	290	57	
1994	105	961	5,996	-	5,433	-	292	271	
1995	125	1,275	6,756	-	4,892	-	1,040	824	
1996	168	1,878	9,258	-	5,975	-	2,573	710	
1997	205	2,296	11,471	-	6,730	-	3,928	813	
1998	188	1,549	10,189	-	6,736	-	2,851	602	
1999	227	1,973	12,284	480	7,943	-	3,046	815	
2000	248	3,882	15,239	3,251	6,633	1,619	2,529	1,208	
2001	270	3,990	15,318	4,655	4,055	3,784	2,175	648	
2002	298	4,120	17,993	5,123	5,256	3,970	2,400	1,243	
2003	326	5,082	19,308	5,694	5,200	4,714	2,798	902	
2004	371	6,552	21,781	5,818	5,290	4,411	4,638	1,624	
2005	374	8,646	22,317	6,211	5,502	4,244	4,688	1,674	
2006	410	11,925	25,256	6,458	5,060	5,221	5,546	2,971	
2007	413	12,653	25,569	8,031	3,755	4,792	6,161	2,829	
2008	460	19,806	27,259	8,744	3,053	4,544	6,247	4,671	
2009	384	13,875	25,822	6,973	3,084	4,551	5,874	5,339	
2010	504	17,006	32,603	7,449	5,451	4,557	4,745	10,402	
2011	532	23,859	36,685	8,153	7,894	4,195	4,144	12,298	
2012	538	27,364	36,184	10,278	7,445	4,127	4,082	10,251	
2013	590	30,645	39,876	13,354	5,627	4,331	4,314	12,250	
2014	538	31,403	37,107	12,853	5,176	3,726	3,673	11,678	
2015	490	18,779	33,366	12,442	3,776	3,990	3,698	9,459	
2016	500	12,170	33,453	11,880	4,362	4,081	3,813	9,317	
2017	504	15,616	37,537	11,554	3,542	4,231	3,749	14,461	
2016	11	50	1,326	3,415	1,206	366	303	285	1,255
	12	57	1,520	4,011	1,302	375	426	652	1,256
2017	1	62	1,771	4,291	1,402	244	563	226	1,856
	2	51	1,499	3,583	1,286	421	429	285	1,162
	3	51	1,432	3,513	882	302	491	350	1,487
	4	31	950	2,324	651	189	432	177	874
	5	33	1,074	2,483	647	238	305	360	934
	6	40	1,408	3,455	1,275	486	244	427	1,023
	7	40	1,105	2,705	963	366	184	355	838
	8	33	1,106	2,596	947	304	305	238	803
	9	33	993	2,356	626	140	245	172	1,173
	10	34	1,160	2,752	856	418	246	113	1,119
	11	45	1,328	3,317	892	259	366	624	1,176
	12	51	1,789	4,160	1,126	177	421	421	2,015
2018 ^o	1	56	1,870	4,129	1,626	251	420	352	1,479
	2	57	2,353	4,549	1,482	315	417	228	2,107
	3	59	2,094	4,287	1,234	309	358	354	2,031
	4	42	1,554	3,207	972	313	359	354	1,209
	5	37	1,415	2,774	876	316	241	181	1,160
	6	43	1,907	3,741	1,146	367	359	301	1,569
	7	36	1,423	2,739	1,005	266	303	113	1,051
	8	30	1,541	2,895	935	379	359	182	1,041
	9	49	1,865	3,319	1,087	375	371	241	1,245
	10	42	2,189	3,775	1,149	254	358	373	1,641
	11	49	2,278	3,899	1,092	121	358	528	1,800
2017	1-11	453	13,827	33,377	10,428	3,365	3,809	3,327	12,446
2018 ^o	1-11	500	20,488	39,314	12,605	3,265	3,904	3,207	16,333

1. 1카고는 58,000톤

2. 호주, 미국, 러시아, 나이지리아, 예멘, 브루나이 등
자료: 한국가스공사, 한국무역협회 등

1. 1 cargo is 58,000 tons.

2. Australia, US, Russia, Nigeria, Yemen, Brunei etc.
Source: Korea Gas Corporation, Korea International Trade Association etc.

4.2 천연가스 생산 및 소비

Natural gas production and consumption

	국내생산 Domestic production	소비 Consumption					재고 Stock	
		합계 ¹ Total	발전 Power generation	지역난방 District heating	도시가스 City gas	자체소비 및 손실 Own use and loss		
		1,000 ton						
1990	-	2,329	1,741	-	576	12	46	
1991	-	2,694	1,800	-	879	15	110	
1992	-	3,524	2,225	-	1,256	43	67	
1993	-	4,402	2,518	-	1,847	37	97	
1994	-	5,860	3,215	-	2,451	80	157	
1995	-	7,087	3,562	-	3,417	108	103	
1996	-	9,363	4,449	173	4,561	179	369	
1997	-	11,379	5,198	179	5,770	232	605	
1998	-	10,645	4,030	160	6,233	222	527	
1999	-	12,961	4,591	177	7,886	306	539	
2000	-	14,557	4,353	335	9,528	340	591	
2001	-	15,990	4,657	630	10,300	403	738	
2002	-	17,766	5,900	609	11,194	63	426	
2003	-	18,610	5,853	615	11,978	165	1,063	
2004	163	21,809	8,242	576	12,504	487	1,602	
2005	398	23,350	8,359	685	14,077	229	959	
2006	355	24,619	9,860	619	13,957	183	1,936	
2007	271	26,664	11,296	631	14,596	141	1,099	
2008	181	27,439	11,175	603	15,489	173	2,558	
2009	383	26,083	9,705	524	15,634	220	1,728	
2010	415	33,083	14,268	651	17,522	213	2,667	
2011	347	35,603	14,759	1,760	18,255	214	3,323	
2012	334	38,485	16,132	2,046	19,558	200	1,840	
2013	355	40,278	18,021	2,108	19,596	195	2,237	
2014	247	36,636	16,305	1,654	18,180	144	3,182	
2015	144	33,446	14,570	1,538	16,929	73	3,034	
2016	118	34,906	15,507	1,556	17,384	74	1,695	
2017	261	36,398	15,594	1,684	18,390	122	2,308	
2016	11	21	3,548	1,609	172	1,736	5	1,991
	12	25	4,029	1,470	198	2,323	12	1,695
2017	1	25	4,291	1,440	226	2,575	18	1,746
	2	22	3,889	1,348	209	2,275	21	1,475
	3	25	3,516	1,338	168	1,960	19	1,554
	4	24	2,474	1,015	108	1,309	2	1,313
	5	25	2,114	996	61	994	3	1,725
	6	24	2,299	1,277	76	885	4	2,535
	7	22	2,558	1,553	76	864	6	2,928
	8	21	2,320	1,334	79	839	6	3,145
	9	20	2,041	1,006	74	901	4	3,506
	10	12	2,189	939	115	1,070	3	3,928
	11	20	3,680	1,504	199	1,911	9	3,484
	12	22	5,030	1,846	292	2,806	25	2,308
2018 ^o	1	23	5,321	1,876	319	3,029	37	1,150
	2	21	4,353	1,439	278	2,539	41	1,061
	3	22	3,909	1,672	222	1,941	14	1,731
	4	22	3,167	1,540	172	1,392	4	1,624
	5	23	2,778	1,423	152	1,142	2	1,684
	6	22	2,620	1,460	107	992	3	2,404
	7	19	2,737	1,544	145	987	4	2,608
	8	22	2,713	1,581	143	929	3	2,320
	9	19	2,154	1,073	74	947	4	3,787
	10	7	2,941	1,378	138	1,363	5	4,188
	11	16	3,516	1,385	241	1,832	5	4,255
2017	1-11	239	31,369	13,749	1,392	15,584	96	3,484
2018 ^o	1-11	216	36,209	16,371	1,990	17,093	123	4,255

1. 산업부문 소비 포함.

자료: 한국가스공사 등

1. Include industry consumption.

Source: Korea Gas Corporation etc.

4.3 도시가스 수급

City Gas supply and demand

	원료 Raw materials		생산 ¹ Production	소비 Consumption						
	프로판 Propane	LNG		합계 Total	산업 Industry	수송 Transportation	가정 Residential	상업 Commercial	공공 Public	
	1,000 ton			million m ³						
1990		207	707	968	963	223	-	433	307	-
1991		364	1,081	1,450	1,467	298	-	771	333	64
1992		521	1,544	2,139	2,114	359	-	1,251	425	78
1993		705	2,262	3,071	2,883	438	-	1,920	413	112
1994		815	2,993	3,917	3,864	572	-	2,637	518	136
1995		1,015	4,219	5,383	5,327	822	-	3,588	799	119
1996		905	5,679	6,739	6,607	1,139	-	4,300	1,022	145
1997		644	6,991	7,857	7,708	1,425	-	5,045	1,085	154
1998		338	7,675	8,080	8,024	1,725	-	5,087	1,059	152
1999		360	9,826	10,260	10,012	2,410	-	6,104	1,309	189
2000		245	11,631	11,924	11,963	3,151	-	7,003	1,591	218
2001		134	12,590	12,751	12,657	3,440	7	7,168	1,796	247
2002		125	13,666	13,815	13,873	3,794	76	7,723	2,030	250
2003		66	14,871	14,950	14,734	3,978	139	8,124	2,246	246
2004		67	15,280	15,360	15,422	4,173	227	8,225	2,530	266
2005		68	17,568	17,650	16,963	4,434	323	9,070	2,838	298
2006		39	17,045	17,092	17,504	4,616	452	9,224	3,021	190
2007		42	17,763	17,786	17,967	4,952	583	9,216	2,946	270
2008		44	18,871	18,921	18,734	5,624	736	9,122	2,975	277
2009		46	19,187	19,239	18,445	5,584	910	8,784	2,905	262
2010		45	21,066	21,118	19,982	6,947	1,054	8,878	2,960	144
2011		57	22,660	22,727	21,679	7,946	1,113	9,597	2,916	106
2012		56	24,262	24,327	23,776	9,135	1,200	9,720	3,546	174
2013		49	24,243	24,298	23,890	9,510	1,247	9,457	3,582	94
2014		11	22,286	22,264	22,091	8,677	1,253	8,748	3,332	81
2015		13	20,466	20,481	20,785	7,329	1,235	8,813	3,326	82
2016		30	21,643	21,770	21,271	7,226	1,217	9,249	3,494	84
2017		18	22,895	23,327	22,603	7,784	1,218	9,950	3,576	74
2016	11	2	2,162	2,174	1,934	661	100	871	296	6
	12	2	2,892	2,907	2,651	733	103	1,392	412	11
2017	1	3	3,206	3,267	3,039	753	98	1,713	463	12
	2	3	2,833	2,887	2,944	727	92	1,680	432	13
	3	2	2,440	2,486	2,508	733	102	1,297	365	10
	4	1	1,629	1,660	1,835	660	99	825	247	5
	5	1	1,238	1,261	1,342	598	103	425	214	3
	6	1	1,102	1,123	1,159	547	104	286	220	2
	7	1	1,076	1,096	1,109	526	109	216	254	4
	8	1	1,045	1,065	1,066	518	107	189	249	4
	9	1	1,121	1,142	1,121	582	102	231	203	3
	10	1	1,332	1,357	1,259	580	97	381	198	2
	11	2	2,379	2,424	2,093	736	101	944	306	6
	12	3	3,493	3,559	3,128	826	103	1,763	425	11
2018 ^o	1	3	3,772	3,850	3,545	912	100	2,005	514	15
	2	3	3,161	3,227	3,245	777	90	1,911	453	14
	3	2	2,417	2,467	2,557	754	100	1,360	318	25
	4	2	1,733	1,769	1,877	697	98	830	245	6
	5	1	1,421	1,451	1,513	682	101	517	210	3
	6	1	1,235	1,261	1,293	659	101	311	219	3
	7	1	1,228	1,254	1,252	654	107	232	254	4
	8	1	1,157	1,181	1,171	631	107	167	262	4
	9	1	1,179	1,203	1,153	629	98	214	209	3
	10	1	1,697	1,732	1,539	724	101	496	215	3
	11	1	2,280	2,327	2,120	773	99	956	286	6
2017	1-11	15	19,402	19,767	19,474	6,958	1,115	8,186	3,151	64
2018 ^o	1-11	16	21,280	21,720	21,264	7,892	1,102	8,999	3,185	86

1. 1990, 1991년은 납사 포함.
자료: 한국도시가스협회

1. Figures in 1990 and 1991 include naphtha.
Source: Korea Gas Corporation

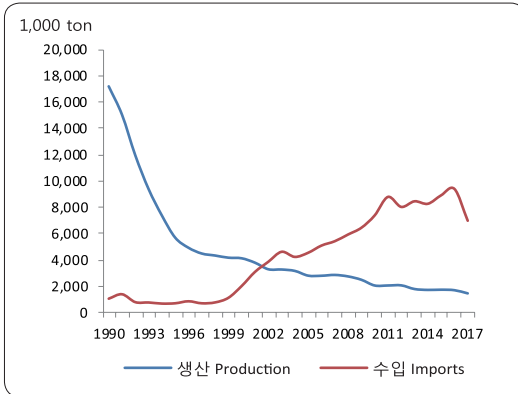
5. 석 탄

Coal

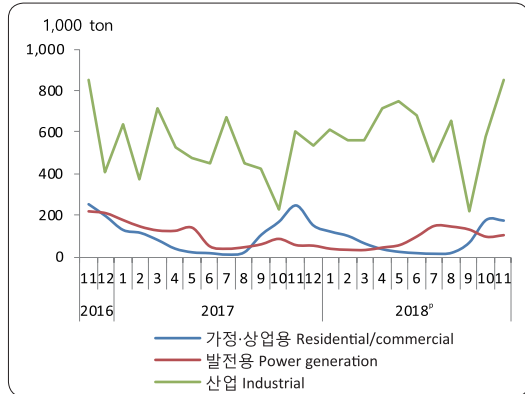


□ 무연탄 수급 Anthracite supply and demand

<1990~2017>

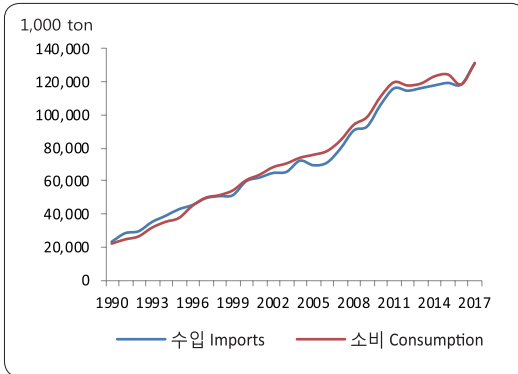


<월별 Monthly>

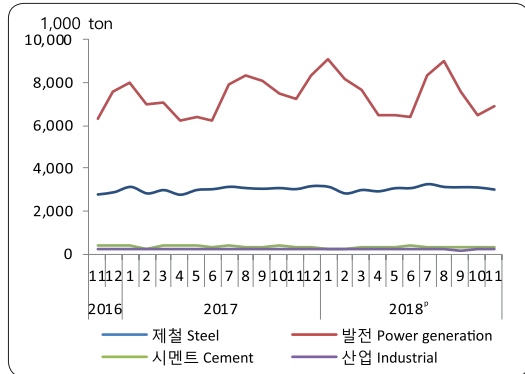


□ 유연탄 수급 Bituminous coal supply and demand

<1990~2017>

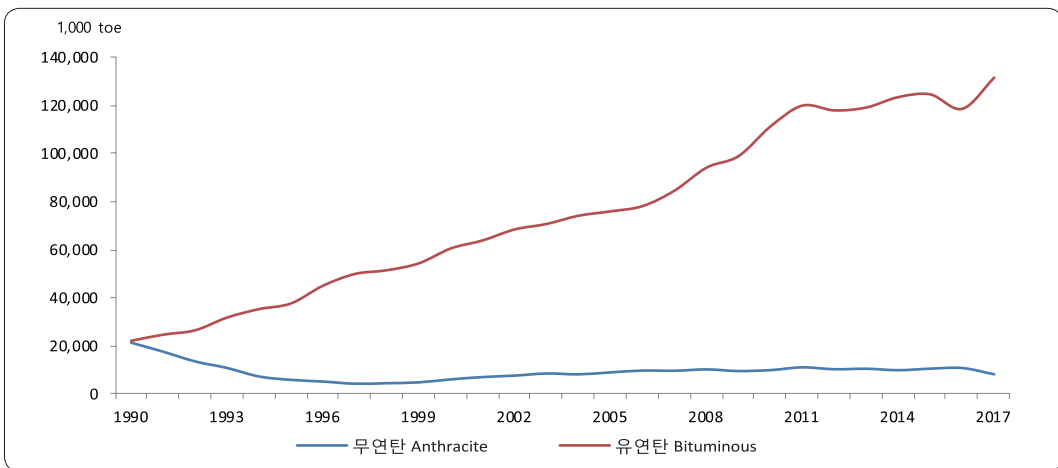


<월별 Monthly>



□ 석탄 소비 Coal consumption

<1990~2017>



5.1 무연탄 수급

Anthracite supply and demand

	생산 Production	수입 Imports	소비 Consumption			재고 Stock		
			합계 Total	국내탄 Domestic coal	수입탄 Import coal	국내탄 Domestic coal	수입탄 Import coal	
			1,000 ton					
1990	17,217	1,072	21,091	19,802	1,289	6,514	1,499	
1991	15,058	1,410	17,424	15,928	1,496	6,859	1,413	
1992	11,969	809	13,490	12,287	1,203	6,706	1,019	
1993	9,407	783	10,819	9,840	979	6,132	823	
1994	7,398	699	7,360	6,817	543	6,790	979	
1995	5,720	723	5,999	5,367	632	7,422	1,070	
1996	4,951	875	5,312	4,406	906	7,898	1,039	
1997	4,512	722	4,444	3,659	785	8,744	976	
1998	4,361	789	4,650	3,812	838	9,342	927	
1999	4,197	1,139	4,995	3,803	1,192	9,863	874	
2000	4,150	2,038	6,200	4,159	2,041	9,903	871	
2001	3,817	3,110	7,141	4,027	3,114	9,709	867	
2002	3,318	3,879	7,735	3,808	3,927	9,282	819	
2003	3,298	4,640	8,584	3,924	4,660	8,728	799	
2004	3,191	4,251	8,249	3,871	4,378	8,222	672	
2005	2,832	4,567	9,037	4,347	4,690	6,839	549	
2006	2,824	5,113	9,769	4,596	5,173	5,062	489	
2007	2,886	5,444	9,690	4,035	5,655	3,953	278	
2008	2,773	5,955	10,247	4,134	6,113	2,677	120	
2009	2,519	6,468	9,585	3,114	6,472	2,122	116	
2010	2,084	7,406	9,956	2,508	7,448	1,779	74	
2011	2,084	8,816	11,072	2,239	8,833	1,663	57	
2012	2,094	8,055	10,315	2,288	8,027	1,702	85	
2013	1,815	8,482	10,506	2,054	8,452	1,342	115	
2014	1,748	8,294	9,925	1,642	8,283	1,484	126	
2015	1,764	8,938	10,539	1,541	8,997	1,731	67	
2016	1,726	9,424	10,801	1,373	9,428	2,088	63	
2017	1,485	7,003	8,260	1,244	7,016	2,391	50	
2016	11	159	1,036	1,324	255	1,069	2,135	69
	12	151	607	813	200	613	2,088	63
2017	1	127	795	944	138	806	2,094	52
	2	131	493	631	132	499	2,084	46
	3	144	813	917	99	818	2,135	41
	4	134	629	683	60	623	2,212	47
	5	118	583	630	51	579	2,279	51
	6	144	489	509	27	482	2,394	58
	7	119	698	719	21	698	2,500	58
	8	109	487	515	27	488	2,591	57
	9	121	473	588	114	474	2,640	56
	10	93	300	481	179	302	2,606	54
	11	123	649	905	254	651	2,421	52
	12	122	594	738	142	596	2,391	50
2018 ^p	1	125	637	768	131	637	2,384	50
	2	98	584	693	104	589	2,382	45
	3	118	586	649	67	582	2,439	49
	4	118	736	792	54	738	2,516	47
	5	112	782	822	39	783	2,591	46
	6	114	755	792	36	756	2,671	45
	7	89	582	614	41	573	2,714	54
	8	89	786	817	40	777	2,753	63
	9	77	325	414	87	327	2,752	61
	10	86	654	849	186	663	2,657	52
	11	96	940	1,124	184	940	2,575	52
2017	1-11	1,363	6,409	7,522	1,102	6,420	2,421	52
2018 ^p	1-11	1,122	7,367	8,334	969	7,365	2,575	52

자료: 대한석탄협회, 산업통상자원부

Source: Korea Coal Association, Ministry of Trade, Industry & Energy

5.2 부문별 무연탄 소비

Anthracite consumption by sector

	가정·상업 Residential/Commercial			발전 Power generation		산업용 Industrial	기타 Others	합계 Total	
	국내탄 Domestic coal	수입탄 Import coal	소계 Subtotal	수입탄 Import coal	소계 Subtotal				
	1,000 ton								
1990	17,602	1,177	18,779	-	1,983	283	46	21,091	
1991	13,840	1,146	14,986	97	2,070	368	-	17,424	
1992	10,361	708	11,069	82	1,945	476	-	13,490	
1993	7,581	250	7,831	70	2,275	713	-	10,819	
1994	4,617	67	4,684	41	2,192	484	-	7,360	
1995	2,987	18	3,005	79	2,400	594	-	5,999	
1996	1,957	4	1,961	86	2,507	844	-	5,312	
1997	1,389	-	1,389	61	2,302	753	-	4,444	
1998	1,229	-	1,229	30	2,451	970	-	4,650	
1999	1,117	-	1,117	50	2,552	1,326	-	4,995	
2000	1,192	-	1,192	-	2,850	2,158	-	6,200	
2001	1,230	-	1,230	-	2,689	3,221	-	7,141	
2002	1,175	-	1,175	-	2,558	4,002	-	7,735	
2003	1,174	17	1,191	-	2,710	4,683	-	8,584	
2004	1,370	15	1,385	-	2,356	4,508	-	8,249	
2005	1,959	51	2,010	-	2,354	4,673	-	9,037	
2006	2,224	103	2,327	-	2,356	5,086	-	9,769	
2007	1,872	219	2,091	294	2,450	5,149	-	9,690	
2008	2,163	126	2,289	579	2,539	5,419	-	10,247	
2009	1,746	195	1,941	1,330	2,690	4,954	-	9,585	
2010	1,669	190	1,859	1,565	2,404	5,693	-	9,956	
2011	1,696	126	1,822	1,116	1,659	7,592	-	11,072	
2012	1,697	136	1,833	1,206	1,797	6,685	-	10,315	
2013	1,731	186	1,917	1,406	1,729	6,861	-	10,506	
2014	1,392	237	1,629	1,794	2,044	6,251	-	9,925	
2015	1,296	177	1,473	1,880	2,125	6,940	-	10,539	
2016	1,133	122	1,255	2,288	2,528	7,017	-	10,801	
2017	1,009	70	1,079	844	1,079	6,103	-	8,260	
2016	11	233	20	253	195	217	855	-	1,324
	12	182	12	194	190	208	411	-	813
2017	1	120	7	127	156	174	643	-	944
	2	107	6	113	118	143	375	-	631
	3	72	6	78	98	125	715	-	917
	4	34	2	36	97	123	524	-	683
	5	17	1	18	103	137	474	-	630
	6	13	1	14	34	48	447	-	509
	7	6	1	7	22	37	675	-	719
	8	17	1	18	34	44	453	-	515
	9	99	6	105	43	58	425	-	588
	10	161	6	167	66	84	230	-	481
	11	237	10	247	37	54	604	-	905
	12	126	23	149	35	51	538	-	738
2018 ^p	1	113	6	119	18	36	613	-	768
	2	93	5	98	21	32	563	-	693
	3	56	4	60	20	31	559	-	649
	4	31	2	33	20	43	717	-	792
	5	19	1	20	35	55	747	-	822
	6	13	1	14	74	97	681	-	792
	7	10	1	11	116	147	456	-	614
	8	15	1	16	118	143	659	-	817
	9	63	2	65	105	129	220	-	414
	10	169	8	177	77	94	578	-	849
	11	167	6	173	85	102	849	-	1,124
2017	1-11	883	47	930	808	1,027	5,564	-	7,522
2018 ^p	1-11	749	37	786	687	907	6,641	-	8,334

자료: 대한석탄협회, 산업통상자원부

Source: Korea Coal Association, Ministry of Trade, Industry & Energy

5.3 유연탄 수급

Bituminous coal supply and demand

	수입			소비			
	Import			Consumption			
	합계 Total	원료탄 Coking coal	연료탄 Thermal coal	합계 Total	원료탄 Coking coal	연료탄 Thermal coal	
	1,000 ton						
1990	22,844	11,285	11,559	21,878	11,739	10,139	
1991	28,017	15,656	12,361	24,411	13,573	10,838	
1992	29,207	16,381	12,826	26,242	14,297	11,945	
1993	34,853	17,321	17,532	31,552	15,972	15,580	
1994	38,550	16,854	21,696	35,059	15,608	19,451	
1995	42,601	17,784	24,817	37,426	16,372	21,054	
1996	45,136	17,408	27,728	44,809	17,303	27,506	
1997	49,312	17,394	31,918	49,712	18,178	31,534	
1998	50,566	17,979	32,587	51,261	18,329	32,932	
1999	51,101	17,227	33,874	54,137	18,442	35,696	
2000	59,600	19,575	40,025	60,346	19,415	40,931	
2001	61,856	17,899	43,957	63,703	19,315	44,388	
2002	64,640	17,660	46,980	68,274	20,097	48,177	
2003	65,318	17,676	47,642	70,549	20,509	50,041	
2004	72,103	18,954	53,149	73,984	20,839	53,145	
2005	69,330	16,975	52,355	75,796	20,810	54,986	
2006	70,888	16,466	54,422	78,001	20,731	57,270	
2007	79,355	18,385	60,970	84,438	21,519	62,919	
2008	90,470	20,912	69,558	94,013	23,568	70,445	
2009	92,952	19,553	73,399	98,789	20,734	78,055	
2010	106,096	24,328	81,768	111,162	27,210	83,952	
2011	116,118	26,157	89,961	119,870	31,762	88,108	
2012	114,645	25,857	88,788	117,872	31,487	86,385	
2013	116,220	31,361	84,859	119,078	32,053	87,025	
2014	117,873	35,198	82,675	123,399	37,611	85,788	
2015	119,392	34,148	85,244	124,547	36,753	87,794	
2016	118,468	33,030	85,438	118,509	33,460	85,049	
2017	131,464	36,442	95,022	131,490	36,290	95,200	
2016	11	9,888	2,827	7,061	9,763	2,773	6,991
	12	12,780	3,271	9,509	11,137	2,884	8,253
2017	1	12,007	3,218	8,789	11,734	3,139	8,596
	2	11,011	3,017	7,994	10,305	2,822	7,483
	3	10,902	3,052	7,850	10,687	2,983	7,704
	4	10,406	3,007	7,399	9,586	2,761	6,825
	5	9,771	2,921	6,850	10,040	2,990	7,050
	6	11,157	3,469	7,688	9,787	3,031	6,756
	7	10,873	2,946	7,927	11,638	3,144	8,494
	8	11,376	2,946	8,430	11,947	3,080	8,867
	9	13,179	3,453	9,726	11,650	3,048	8,602
	10	9,781	2,709	7,072	11,146	3,081	8,065
	11	10,000	2,800	7,200	10,879	3,032	7,847
	12	11,001	2,904	8,097	12,091	3,180	8,911
2018 ^p	1	11,600	2,877	8,723	12,686	3,135	9,551
	2	10,383	2,564	7,819	11,446	2,821	8,625
	3	11,461	3,071	8,390	11,206	2,989	8,217
	4	12,258	3,628	8,630	9,923	2,925	6,998
	5	9,946	3,033	6,913	10,136	3,076	7,061
	6	10,202	3,132	7,070	10,070	3,083	6,987
	7	10,800	2,905	7,895	12,180	3,272	8,908
	8	11,031	2,746	8,285	12,643	3,133	9,510
	9	11,642	3,259	8,383	11,196	3,124	8,072
	10	10,147	3,115	7,032	10,171	3,110	7,060
	11	11,672	3,361	8,311	10,496	3,010	7,486
2017	1-11	120,463	33,538	86,925	119,399	33,111	86,288
2018 ^p	1-11	121,142	33,691	87,451	122,152	33,678	88,474

자료 : 대한석탄협회, 산업통상자원부

Source: Korea Coal Association, Ministry of Trade, Industry & Energy

5.4 부문별 유연탄 소비

Bituminous coal consumption by sector

		합계 Total	제철 Steel	발전 Power generation	시멘트 Cement	산업 Industrial
		1,000 ton				
1990		21,878	11,739	5,724	3,534	882
1991		24,411	13,573	5,777	4,223	885
1992		26,242	14,297	6,385	4,392	1,127
1993		31,552	15,972	9,008	5,143	1,429
1994		35,059	15,608	12,299	5,310	1,675
1995		37,426	16,372	13,752	5,590	1,965
1996		44,809	17,303	19,019	5,758	2,729
1997		49,712	18,178	22,714	6,593	2,227
1998		51,261	18,329	25,682	5,019	2,231
1999		54,137	18,442	28,297	5,069	2,330
2000		60,346	19,415	33,305	5,308	2,319
2001		63,703	19,315	36,601	5,475	2,312
2002		68,274	20,097	40,143	5,669	2,365
2003		70,549	20,509	41,631	6,060	2,349
2004		73,984	20,839	45,512	5,309	2,324
2005		75,796	20,810	47,852	4,807	2,327
2006		78,001	20,731	50,199	4,738	2,333
2007		84,438	21,519	55,487	5,051	2,381
2008		94,013	23,568	62,791	5,236	2,418
2009		98,789	20,734	71,091	4,463	2,501
2010		111,162	27,210	76,674	4,564	2,714
2011		119,870	31,762	80,393	5,046	2,669
2012		117,872	31,487	79,136	4,625	2,624
2013		119,078	32,053	79,692	4,647	2,686
2014		123,399	37,611	78,227	4,916	2,645
2015		124,547	36,753	80,354	4,650	2,790
2016		118,509	33,460	77,761	4,591	2,696
2017		131,490	36,290	88,309	4,175	2,716
2016	11	9,763	2,773	6,344	406	241
	12	11,137	2,884	7,568	424	262
2017	1	11,734	3,139	7,982	364	250
	2	10,305	2,822	6,979	273	231
	3	10,687	2,983	7,074	376	254
	4	9,586	2,761	6,225	377	222
	5	10,040	2,990	6,422	410	218
	6	9,787	3,031	6,196	354	205
	7	11,638	3,144	7,916	370	208
	8	11,947	3,080	8,341	310	216
	9	11,650	3,048	8,086	293	223
	10	11,146	3,081	7,506	362	197
	11	10,879	3,032	7,271	350	227
	12	12,091	3,180	8,312	336	264
2018 ^o	1	12,686	3,135	9,061	243	247
	2	11,446	2,821	8,159	237	228
	3	11,206	2,989	7,686	283	247
	4	9,923	2,925	6,463	320	216
	5	10,136	3,076	6,498	337	226
	6	10,070	3,083	6,413	374	200
	7	12,180	3,272	8,362	338	207
	8	12,643	3,133	8,990	317	204
	9	11,196	3,124	7,576	300	197
	10	10,171	3,110	6,502	330	228
	11	10,496	3,010	6,945	313	228
2017	1-11	119,399	33,111	79,997	3,839	2,452
2018 ^o	1-11	122,152	33,678	82,654	3,393	2,427

자료 : 대한석탄협회, 산업통상자원부

Source : Korea Coal Association, Ministry of Trade, Industry & Energy

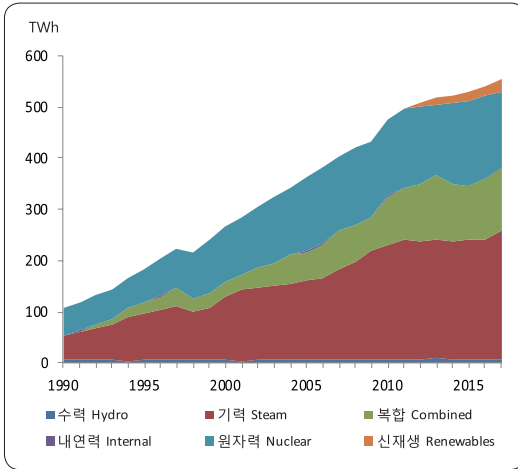
6. 전력 · 열

Electricity & Heat

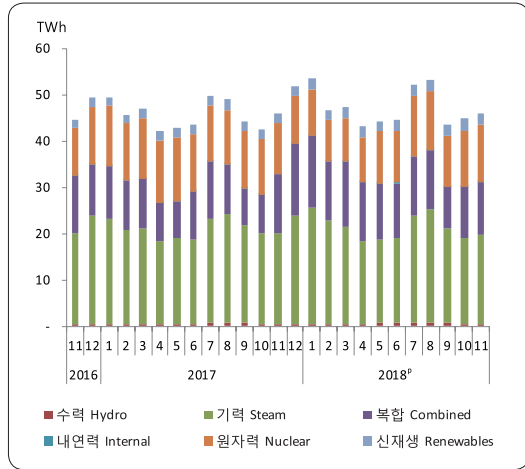


□ 발전 설비별 발전량 Power generation amount by Generating facilities

<1990~2017>

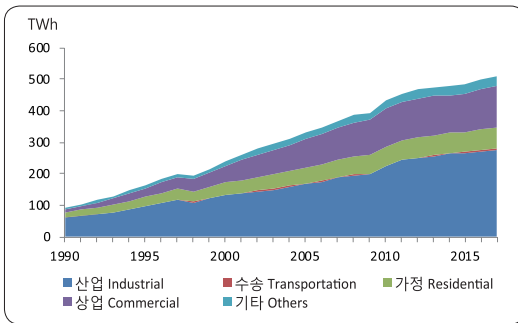


<월별 Monthly>

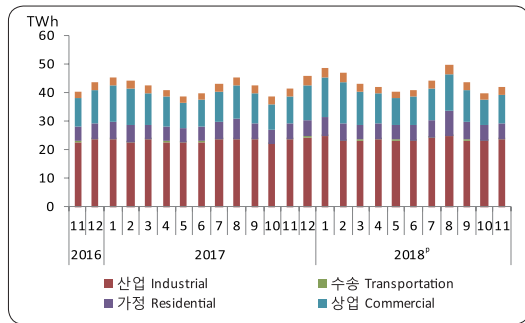


□ 부문별 전력 소비 Electricity consumption by sector

<1990~2017>

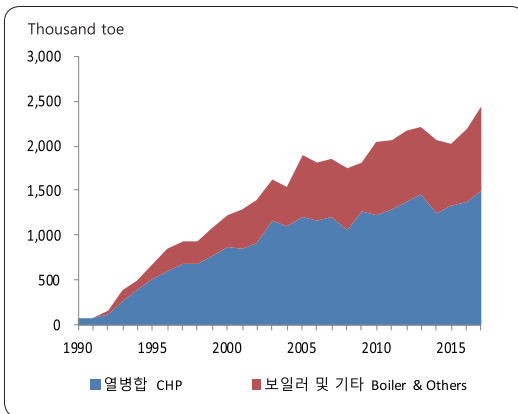


<월별 Monthly>

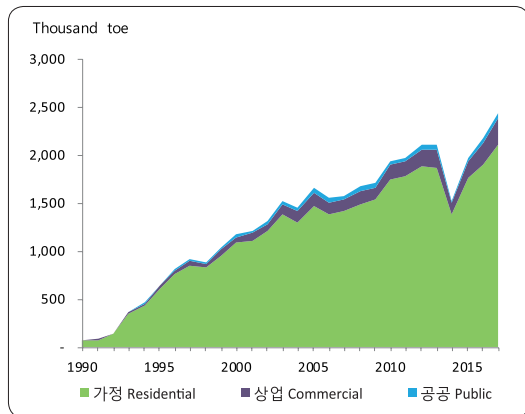


□ 지역난방 생산, 소비 District heating production, consumption

<1990~2017>



<1990~2017^P>



6.1 발전 현황

Power Generation

	총발전량 Total power generation amount	설비용량 Power plant capacity	공급능력 Supply capability	최대전력 Peak load	평균전력 Average load	공급예비율 Supplied reserve ratio	부하율 Load factor	
								GWh	MW	%
1990	107,670	21,021	18,680	17,252	12,291	8.3	71.2	
1991	118,619	21,126	20,148	19,124	13,541	5.4	70.8	
1992	130,963	23,430	21,737	20,438	14,909	6.4	72.9	
1993	144,437	27,154	24,405	22,112	16,488	10.4	74.6	
1994	164,993	28,772	27,431	26,696	18,835	2.8	70.6	
1995	184,661	31,793	31,968	29,878	21,080	7.0	70.6	
1996	205,494	35,722	34,295	32,282	23,394	6.2	72.5	
1997	224,445	40,534	38,452	35,851	25,622	7.3	71.5	
1998	215,300	43,261	37,928	32,996	24,578	14.9	74.5	
1999	239,325	44,427	43,418	37,293	27,320	16.4	73.3	
2000	266,400	47,876	46,078	41,007	30,328	12.4	74.0	
2001	285,224	49,632	48,699	43,125	32,560	12.9	75.5	
2002	306,474	52,799	52,113	45,773	34,986	13.9	76.4	
2003	322,452	56,081	55,488	47,385	36,810	17.1	77.7	
2004	342,148	59,129	57,528	51,264	39,058	12.2	76.2	
2005	364,639	61,737	60,818	54,631	41,625	11.3	76.2	
2006	381,181	64,778	65,183	58,994	43,514	10.5	73.8	
2007	403,125	67,196	66,778	62,285	46,019	7.2	73.9	
2008	422,355	70,353	68,519	62,794	48,082	9.1	76.6	
2009	433,604	73,470	72,071	66,797	49,498	7.9	74.1	
2010	474,660	76,078	75,747	71,308	54,185	6.2	76.0	
2011	496,893	76,649	77,179	73,137	56,723	5.5	77.6	
2012	509,574	81,806	79,972	75,987	58,012	5.2	76.3	
2013	517,148	82,296	80,713	76,522	59,035	5.5	77.1	
2014	521,971	93,216	89,357	80,154	59,586	11.5	74.3	
2015	528,091	94,102	87,926	78,790	60,284	11.6	76.5	
2016	540,441	100,180	92,400	85,180	61,694	8.5	72.4	
2017	553,530	116,657	96,095	85,133	63,170	12.9	74.2	
2016	11	44,474	103,068	85,020	74,959	61,770	13.4	82.4
2016	12	49,219	104,466	93,030	79,966	66,154	16.3	82.7
2017	1	49,543	106,240	95,440	83,660	66,590	14.1	79.6
2017	2	45,499	107,098	95,916	81,268	67,706	18.0	83.3
2017	3	47,050	107,098	93,840	76,756	63,239	22.3	82.4
2017	4	42,022	110,502	87,916	69,129	58,363	27.2	84.4
2017	5	42,820	111,292	82,497	69,887	57,554	18.0	82.4
2017	6	43,430	113,705	87,888	75,413	60,320	16.5	80.0
2017	7	49,651	113,351	94,987	84,586	66,735	12.3	78.9
2017	8	48,951	113,351	95,125	84,489	65,795	12.6	77.9
2017	9	44,196	114,206	92,665	73,115	61,383	26.7	84.0
2017	10	42,387	115,249	88,736	70,113	56,970	26.6	81.3
2017	11	46,081	116,278	92,807	77,605	63,957	19.6	82.5
2017	12	51,902	116,657	96,095	85,133	69,720	12.9	81.9
2018 ^p	1	53,406	116,428	99,147	87,247	71,782	13.6	82.3
2018 ^p	2	46,472	116,428	101,148	88,238	69,155	14.6	78.4
2018 ^p	3	47,249	116,747	90,761	78,855	63,506	15.1	80.5
2018 ^p	4	43,157	116,747	84,634	70,520	59,940	20.0	85.0
2018 ^p	5	44,299	117,589	82,000	73,173	59,541	12.1	81.4
2018 ^p	6	44,495	117,111	87,256	76,606	61,798	13.9	80.7
2018 ^p	7	52,016	117,205	99,570	92,478	69,914	7.7	75.6
2018 ^p	8	53,233	117,840	100,250	91,548	71,550	9.5	78.2
2018 ^p	9	43,517	117,996	94,223	78,405	60,441	20.2	77.1
2018 ^p	10	44,775	117,996	84,796	70,329	60,181	20.6	85.6
2018 ^p	11	45,789	118,266	93,480	75,914	63,596	23.1	83.8
2017	1-11	501,628	113,351	94,987	84,586	62,574	12.3	74.0
2018 ^p	1-11	518,408	117,205	99,570	92,478	64,778	7.7	70.0

주: 최대전력 발생시점 기준.

자료: 전력통계속보, 한국전력공사

1. Based on the time of maximum power.

Source: The monthly report on major electric power statistics, KEPCO

6.2 발전 설비 현황

Generating facilities

		합계 Total	수력 Hydro	기력 Steam	복합 Combined	내연력 Internal	원자력 Nuclear	신재생 ¹ Renewables
		MW						
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	23,045	13,086	246	15,716	83
2004		59,961	3,879	24,693	14,313	252	16,716	108
2005		62,258	3,883	25,348	15,015	297	17,716	-
2006		65,514	5,485	26,013	16,004	297	17,716	-
2007		68,268	5,492	27,734	17,023	303	17,716	-
2008		72,491	5,505	31,919	17,044	307	17,716	-
2009		73,470	5,515	32,317	17,575	347	17,716	-
2010		76,078	5,525	33,386	19,100	351	17,716	-
2011		79,342	6,418	34,053	19,799	355	18,716	-
2012		81,806	6,446	32,139	19,799	367	20,716	2,338
2013		86,969	6,454	32,477	23,473	330	20,716	3,519
2014		93,216	6,467	33,402	27,826	330	20,716	4,474
2015		97,649	6,471	34,441	29,043	330	21,716	5,649
2016		105,866	6,485	35,756	32,703	329	23,116	7,477
2017		117,158	6,489	40,403	38,210	339	22,529	9,187
2016	11	103,299	6,485	34,734	32,703	329	21,716	7,333
	12	105,866	6,485	35,756	32,703	329	23,116	7,477
2017	1	106,238	6,485	35,845	32,703	339	23,116	7,750
	2	107,098	6,485	35,845	33,550	339	23,116	7,762
	3	109,493	6,485	36,419	35,294	339	23,116	7,841
	4	110,671	6,484	36,044	36,552	339	23,116	8,136
	5	111,292	6,484	36,162	36,983	339	23,116	8,207
	6	113,705	6,484	39,160	36,983	339	22,529	8,209
	7	113,351	6,484	38,760	37,029	339	22,529	8,209
	8	114,206	6,485	39,355	37,029	339	22,529	8,469
	9	115,249	6,487	40,257	37,029	339	22,529	8,607
	10	115,900	6,487	40,257	37,472	339	22,529	8,815
	11	116,278	6,487	40,257	37,850	339	22,529	8,815
	12	116,908	6,489	40,153	38,210	339	22,529	9,187
2018 ^p	1	116,428	6,489	40,153	37,730	339	22,529	9,187
	2	116,428	6,489	40,153	37,730	339	22,529	9,187
	3	116,747	6,490	40,131	37,749	339	22,529	9,509
	4	116,747	6,490	40,131	37,749	339	22,529	9,509
	5	117,790	6,490	40,299	38,227	339	22,529	9,906
	6	117,205	6,490	40,299	38,321	339	21,850	9,906
	7	117,477	6,490	40,392	38,319	339	21,850	10,086
	8	117,996	6,490	40,376	38,413	339	21,850	10,528
	9	117,996	6,490	40,376	38,413	339	21,850	10,528
	10	117,996	6,490	40,376	38,413	339	21,850	10,528
	11	118,266	6,490	40,376	38,413	339	21,850	10,797
2017	1-11	116,278	6,487	40,257	37,850	339	22,529	8,815
2018 ^p	1-11	118,266	6,490	40,376	38,413	339	21,850	10,797

1. 2012년 6월부터 분리수목

자료: 전력통계속보, 한국전력공사

1. It was separated since June 2012.

Source : The monthly report on major electric power statistics, KEPCO

6.3 발전 설비별 발전량

Power generation amount by generating facilities

		합계 Total	수력 Hydro	기력 Steam	복합 Combined cycle	내연력 Internal	원자력 Nuclear	신재생 ¹ Renewables ¹
		GWh						
1990		107,715	6,361	47,419	-	1,048	52,887	-
1991		118,619	5,051	56,000	-	1,257	56,311	-
1992		130,963	4,863	63,531	5,464	574	56,530	-
1993		144,437	6,006	70,464	9,188	640	58,138	-
1994		164,993	4,098	85,408	16,047	789	58,651	-
1995		184,661	5,478	90,808	20,521	825	67,029	-
1996		205,494	5,201	98,654	26,943	772	73,924	-
1997		224,445	5,404	106,813	34,424	718	77,086	-
1998		215,300	6,099	92,432	26,505	575	89,689	-
1999		239,325	6,066	101,138	28,675	382	103,064	-
2000		266,400	5,610	124,669	26,863	294	108,964	-
2001		285,224	4,151	139,582	29,033	325	112,133	-
2002		306,474	5,311	143,370	38,337	353	119,103	-
2003		322,452	6,887	145,148	40,375	370	129,672	-
2004		341,703	5,861	149,363	55,452	407	130,715	-
2005		364,639	5,189	154,639	57,457	575	146,779	-
2006		381,181	5,219	159,398	67,138	677	148,749	-
2007		403,124	5,042	178,163	76,403	578	142,937	-
2008		422,355	5,563	190,812	74,519	503	150,958	-
2009		433,604	5,641	215,009	64,486	697	147,771	-
2010		474,660	6,472	224,356	94,506	731	148,596	-
2011		496,893	7,831	232,040	101,479	821	154,723	-
2012		509,574	7,652	231,343	110,882	752	150,327	8,618
2013		517,148	8,394	232,988	124,400	741	138,784	11,841
2014		521,971	7,820	227,872	114,146	656	156,407	15,072
2015		528,091	5,796	236,133	103,437	643	164,762	17,318
2016		540,441	6,634	234,851	116,875	573	161,995	19,512
2017		553,369	6,990	250,177	123,017	513	148,427	24,245
2016	11	44,474	439	19,674	12,336	48	10,312	1,665
	12	49,219	481	23,339	10,983	38	12,615	1,763
2017	1	49,543	538	22,790	11,187	33	13,104	1,891
	2	45,499	508	20,344	10,478	29	12,373	1,767
	3	47,050	501	20,511	10,820	45	13,175	1,998
	4	42,022	511	17,943	8,168	50	13,302	2,048
	5	42,820	606	18,484	7,879	62	13,670	2,118
	6	43,430	564	18,177	10,197	31	12,494	1,968
	7	49,651	639	22,725	12,145	51	12,223	1,868
	8	48,951	968	23,271	10,574	57	11,914	2,166
	9	44,196	674	21,104	7,910	25	12,333	2,151
	10	42,387	567	19,697	8,019	44	12,109	1,950
	11	46,081	451	19,565	12,666	40	11,291	2,067
	12	51,902	468	23,366	15,429	47	10,438	2,155
2018 ^p	1	53,406	490	25,214	15,519	56	9,826	2,301
	2	46,472	440	22,295	12,813	47	8,791	2,086
	3	47,249	463	21,079	14,071	40	9,243	2,352
	4	43,157	498	17,723	13,022	43	9,423	2,448
	5	44,299	791	17,897	11,992	54	11,369	2,196
	6	44,495	732	18,211	11,996	56	11,303	2,196
	7	52,016	809	23,199	12,576	55	13,052	2,326
	8	53,233	700	24,519	12,757	46	12,753	2,459
	9	43,517	713	20,526	8,729	39	11,074	2,437
	10	44,775	511	18,501	11,177	29	12,083	2,475
	11	45,789	529	19,056	11,648	35	12,158	2,364
2017	1-11	501,628	6,528	224,611	110,043	466	137,989	21,991
2018 ^p	1-11	518,408	6,675	228,219	136,300	500	121,075	25,640

1. 2012년 6월부터 분리수록

1. It was seperated since June 2012.

자료: 전력통계속보, 한국전력공사

Source: The monthly report on major electric power statistics, KEPCO

6.4 종별 수용가수 및 판매량

No. of customers and sales volume by type

	수용가수 No. of households			판매량 Sales volume			
	합계	저압(전등)	고압(동력)	합계	저압	고압(동력)	
	Total	Lighting	Power	Total	Lighting	Power	
	1,000 Customer			GWh			
1990	9,315	8,515	800	94,383	17,430	76,953	
1991	10,053	9,105	948	104,374	19,123	85,251	
1992	10,748	9,584	1,164	115,244	21,221	94,023	
1993	11,499	10,119	1,380	127,734	22,676	105,058	
1994	12,161	12,093	68	146,541	29,702	116,839	
1995	12,771	12,694	77	163,270	47,272	115,998	
1996	13,329	13,243	86	182,470	52,100	130,371	
1997	13,913	13,817	96	200,784	56,189	144,595	
1998	14,102	13,999	103	193,470	54,990	138,481	
1999	14,379	14,266	113	214,215	60,393	153,822	
2000	14,976	14,850	126	239,535	69,626	169,910	
2001	15,619	15,479	140	257,731	78,556	179,176	
2002	16,490	16,333	157	278,451	85,452	193,000	
2003	16,776	16,600	176	293,599	88,969	204,630	
2004	17,062	16,868	194	312,096	92,539	219,557	
2005	17,329	17,117	212	332,413	97,639	234,773	
2006	17,625	17,395	230	348,719	100,683	248,036	
2007	18,039	17,789	249	368,605	103,161	265,445	
2008	18,419	18,152	268	385,070	105,895	279,175	
2009	18,727	18,444	283	394,475	107,172	287,303	
2010	19,229	18,929	301	434,160	114,075	320,085	
2011	19,815	19,494	321	455,070	113,075	341,995	
2012	20,476	20,131	345	466,593	113,902	352,691	
2013	21,018	20,648	370	474,848	113,027	361,822	
2014	21,532	21,131	402	477,592	108,403	369,188	
2015	22,030	21,602	428	483,655	109,712	373,943	
2016	22,553	22,097	456	497,039	112,114	384,925	
2017	23,077	22,588	489	507,746	112,411	395,335	
2016	11	22,944	22,490	454	40,256	8,937	31,320
	12	22,553	22,097	456	43,534	10,027	33,507
2017	1	22,521	22,062	459	45,197	11,225	33,972
	2	22,554	22,093	461	44,422	11,729	32,694
	3	23,110	22,646	464	42,559	9,752	32,806
	4	22,715	22,248	467	40,811	9,199	31,612
	5	22,672	22,203	469	38,744	7,681	31,063
	6	22,725	22,254	471	39,673	7,806	31,866
	7	22,785	22,311	474	43,208	8,639	34,570
	8	22,841	22,365	476	45,354	10,186	35,168
	9	22,893	22,413	480	42,336	8,927	33,409
	10	22,918	22,436	483	38,369	7,662	30,707
	11	23,492	23,005	486	41,293	8,942	32,352
	12	23,077	22,588	489	45,781	10,664	35,116
2018 ^o	1	23,037	22,544	492	48,362	12,046	36,316
	2	23,075	22,580	495	46,750	12,612	34,138
	3	23,625	23,127	498	42,936	9,898	33,039
	4	23,207	22,705	502	42,033	9,037	32,996
	5	23,172	22,666	505	40,531	7,858	32,672
	6	23,210	22,702	508	41,046	7,968	33,078
	7	23,248	22,737	511	44,030	8,561	35,469
	8	23,298	22,783	515	49,532	11,565	37,967
	9	23,331	22,813	519	43,729	9,641	34,088
	10	23,350	22,828	522	39,978	7,662	32,315
	11	23,921	23,395	526	41,905	9,068	32,838
2017	1-11	23,492	23,005	486	461,966	101,747	360,219
2018 ^o	1-11	23,921	23,395	526	480,831	105,915	374,916

자료: 전력통계속보, 한국전력공사

Source: The monthly report on major electric power statistics, KEPCO

6.5 부문별 전력 소비

Electricity consumption by sector

		합계 Total	산업 Industrial	수송 Transport	가정 Residential	상업 Commercial	기타 Other
		GWh					
1990		94,383	59,248	1,012	17,735	10,412	5,976
1991		104,374	65,183	1,091	19,482	12,288	6,330
1992		115,244	70,505	1,175	21,796	15,114	6,654
1993		127,734	76,525	1,258	23,916	18,678	7,357
1994		146,541	86,019	1,446	26,554	23,695	8,827
1995		163,270	96,436	1,607	28,303	27,524	9,401
1996		182,470	106,737	1,682	30,642	32,892	10,517
1997		200,784	116,383	1,761	32,515	38,301	11,823
1998		193,470	108,828	1,580	32,913	38,269	11,880
1999		214,215	120,859	1,730	34,581	44,412	12,633
2000		239,535	132,260	2,037	37,102	54,651	13,486
2001		257,731	135,791	2,257	39,211	65,496	14,976
2002		278,451	144,454	2,271	42,278	72,361	17,088
2003		293,599	150,387	2,331	44,572	78,511	17,798
2004		312,096	158,337	2,475	48,615	83,390	19,279
2005		332,413	166,813	2,601	50,873	91,375	20,751
2006		348,719	174,661	2,534	52,522	97,277	21,724
2007		368,605	186,252	2,433	54,174	102,957	22,789
2008		385,070	194,630	2,277	56,228	108,229	23,706
2009		394,475	197,743	2,174	57,595	112,099	24,863
2010		434,160	223,171	2,191	61,194	120,619	26,985
2011		455,070	242,204	2,246	61,564	121,668	27,387
2012		466,593	249,136	2,250	63,536	123,083	28,588
2013		474,848	256,841	2,168	63,970	122,973	28,896
2014		477,592	264,618	2,003	62,675	119,949	28,347
2015		483,655	265,633	2,217	63,794	122,482	29,529
2016		497,039	269,975	2,689	66,173	127,435	30,767
2017		507,746	276,672	2,820	66,517	130,416	31,322
2016	11	40,256	22,659	210	5,251	9,721	2,416
	12	43,534	23,580	223	5,448	11,461	2,820
2017	1	45,197	23,521	242	5,818	12,698	2,918
	2	44,422	22,442	238	5,909	12,997	2,836
	3	42,559	23,499	212	5,114	11,074	2,659
	4	40,811	22,598	212	5,351	10,207	2,444
	5	38,744	22,291	218	4,948	9,044	2,242
	6	39,673	22,568	230	5,026	9,469	2,379
	7	43,208	23,629	263	5,736	10,876	2,705
	8	45,354	23,412	276	6,973	11,922	2,770
	9	42,336	23,346	250	5,665	10,534	2,540
	10	38,369	21,782	226	4,994	9,102	2,265
	11	41,293	23,353	237	5,302	9,938	2,463
	12	45,781	24,229	260	5,679	12,516	3,095
2018 ^p	1	48,362	24,725	269	6,136	14,036	3,197
	2	46,750	22,931	258	6,221	14,210	3,129
	3	42,936	23,282	230	5,326	11,368	2,731
	4	42,033	23,472	226	5,453	10,360	2,522
	5	40,531	23,316	225	5,109	9,512	2,369
	6	41,046	23,047	233	5,265	10,056	2,444
	7	44,030	24,056	263	5,872	11,149	2,689
	8	49,532	24,473	294	8,604	13,244	2,918
	9	43,729	23,309	254	6,396	11,121	2,650
	10	39,978	23,078	228	5,126	9,275	2,271
	11	41,905	23,615	233	5,443	10,136	2,478
2017	1-11	461,966	252,441	2,604	60,838	117,861	28,222
2018 ^p	1-11	480,831	259,305	2,713	64,949	124,467	29,397

주: 2008년 5월부터 개성지구 판매량 포함.
자료: 전력통계속보, 한국전력공사

Note: This includes the Kaesong Complex sales volume starting in May 2008.
Source: The monthly report on major electric power statistics, KEPCO

6.6 발전연료 소비

Fuel consumption of power generation

	석탄 Coal			석유 Petroleum			LNG	
	합계	무연탄	유연탄	합계	중유	경유		
	Total	Anthracite	Bituminous	Total	Heavy oil	Diesel		
	1,000 ton			1,000 kℓ			1,000 ton	
1990	8,530	2,013	6,517	4,481	4,226	255	1,718	
1991	8,540	1,978	6,562	6,387	6,111	276	1,781	
1992	9,217	2,008	7,209	8,164	7,542	622	2,225	
1993	12,549	2,284	10,265	7,984	7,670	314	2,518	
1994	16,146	2,180	13,966	9,183	8,748	435	3,329	
1995	18,633	2,428	16,203	9,687	8,753	933	3,562	
1996	21,462	2,514	18,948	9,808	8,196	1,612	4,622	
1997	25,012	2,305	22,707	9,880	8,309	1,571	5,377	
1998	28,207	2,527	25,679	3,404	3,097	306	4,189	
1999	30,813	2,597	28,216	3,348	3,023	325	4,767	
2000	36,217	2,848	33,369	5,086	4,895	191	4,491	
2001	40,795	2,875	37,919	5,599	5,492	107	4,780	
2002	43,088	2,751	40,336	4,753	4,528	226	5,969	
2003	44,449	2,875	41,575	5,051	4,417	634	5,995	
2004	47,927	2,412	45,515	4,339	4,200	139	8,221	
2005	50,296	2,359	47,937	4,167	4,051	116	8,537	
2006	52,605	2,346	50,259	3,790	3,633	156	9,466	
2007	58,341	2,392	55,949	4,018	3,899	119	10,829	
2008	65,781	2,543	63,238	2,141	2,034	107	10,515	
2009	73,749	2,690	71,059	3,053	2,944	110	8,598	
2010	78,805	2,404	76,401	2,825	2,711	114	13,408	
2011	81,513	1,659	79,854	2,171	2,050	120	13,609	
2012	80,601	1,797	78,805	3,413	3,272	141	15,321	
2013	80,488	1,729	78,760	3,551	3,402	149	17,005	
2014	79,732	2,044	77,688	1,692	1,581	111	12,497	
2015	81,558	2,125	79,433	1,962	1,851	111	8,764	
2016	80,573	2,528	78,045	2,939	2,784	155	8,284	
2017	90,296	1,079	89,217	1,106	930	176	5,280	
2016	11	6,874	217	6,658	182	163	19	909
	12	8,067	208	7,860	290	278	12	798
2017	1	8,066	174	7,891	207	196	11	569
	2	7,069	143	6,926	184	166	17	521
	3	7,012	125	6,888	50	32	18	398
	4	6,909	123	6,786	44	29	16	298
	5	6,178	137	6,040	55	37	18	279
	6	6,709	48	6,660	54	42	12	341
	7	8,400	37	8,364	110	90	20	586
	8	8,823	44	8,779	66	52	15	466
	9	8,097	58	8,039	35	22	13	285
	10	7,492	84	7,408	33	23	10	290
	11	7,255	54	7,201	60	50	9	507
	12	8,287	51	8,236	206	190	15	747
2018 ^p	1	8,978	36	8,942	250	229	20	759
	2	8,095	32	8,063	146	130	16	601
	3	7,601	31	7,570	159	146	13	615
	4	6,340	43	6,297	42	27	16	566
	5	6,454	55	6,399	54	36	18	490
	6	6,504	97	6,407	57	39	18	473
	7	8,455	147	8,308	128	104	24	509
	8	9,021	143	8,879	138	115	24	557
	9	7,591	129	7,462	41	26	15	333
	10	6,529	94	6,435	99	77	22	448
	11	6,925	102	6,823	43	27	16	459
2017	1-11	82,009	1,027	80,982	896	738	158	4,538
2018 ^p	1-11	82,493	907	81,585	1,158	955	203	5,812

주: 1. 시운전 연료사용량 포함
 2. 한전 및 자회사 연료사용량임.
 자료: 전력통계속보, 한국전력공사

Note 1. Includes the fuel consumption for the test run.
 2. Includes only KEPCO and its subsidiary companies.

Source: The monthly report on major electric power statistics, KEPCO

6.7 지역난방

District heating

		생산 Production			판매 Sales			
		합계 Total	열병합 CHP	보일러 및 기타 Boiler & Others	합계 Total	가정 Residential	상업 Commercial	공공 Public
		1,000 toe						
1990		79	79	0	75	68	6	1
1991		84	80	3	80	72	7	1
1992		163	121	42	143	134	7	1
1993		391	265	125	360	354	2	4
1994		495	391	104	460	440	14	6
1995		689	514	175	641	610	22	10
1996		847	607	240	811	762	33	15
1997		941	691	250	909	850	42	17
1998		933	675	258	882	825	41	16
1999		1,082	772	310	1,033	959	56	18
2000		1,221	871	350	1,167	1,084	63	20
2001		1,287	842	446	1,218	1,111	80	27
2002		1,405	922	483	1,316	1,203	84	30
2003		1,627	1,165	462	1,523	1,382	104	37
2004		1,532	1,110	423	1,449	1,299	116	34
2005		1,889	1,209	681	1,652	1,466	143	42
2006		1,804	1,167	638	1,549	1,383	129	37
2007		1,848	1,208	640	1,576	1,409	127	41
2008		1,757	1,062	695	1,668	1,490	138	39
2009		1,821	1,276	545	1,709	1,530	133	46
2010		2,038	1,225	813	1,939	1,747	152	39
2011		2,055	1,279	776	1,976	1,774	158	44
2012		2,175	1,364	811	2,102	1,878	177	47
2013		2,212	1,458	755	2,102	1,870	185	47
2014		2,074	1,255	819	1,528	1,376	126	27
2015		2,028	1,339	689	1,967	1,758	173	36
2016		2,197	1,367	830	2,183	1,895	238	50
2017		2,446	1,494	953	2,441	2,105	280	55
2016	11	234	162	72	238	215	19	5
	12	356	229	127	365	326	31	8
2017	1	427	273	155	440	392	39	9
	2	370	249	120	380	338	34	8
	3	283	187	96	288	259	24	6
	4	152	88	65	149	135	11	2
	5	89	47	43	82	69	12	2
	6	72	35	37	64	46	16	2
	7	73	29	44	65	35	26	4
	8	71	29	41	62	34	25	3
	9	67	24	42	59	42	15	2
	10	103	58	45	99	88	9	1
	11	273	174	98	277	248	23	5
	12	466	300	166	476	420	45	10
2018 ^P	1	510	340	170	526	462	53	11
	2	428	293	136	497	385	102	9
	3	293	195	97	288	259	24	6
	4	166	102	64	164	148	13	3
	5	106	65	41	107	86	19	2
	6	80	36	44	71	49	19	2
	7	82	40	42	69	37	28	4
	8	69	29	41	63	25	34	4
	9	65	25	40	59	42	15	2
	10	139	94	45	136	123	11	2
	11	264	190	74	255	230	20	5
2017	1-11	1,980	1,194	787	1,966	1,685	235	45
2018 ^P	1-11	2,202	1,408	794	2,234	1,846	339	50

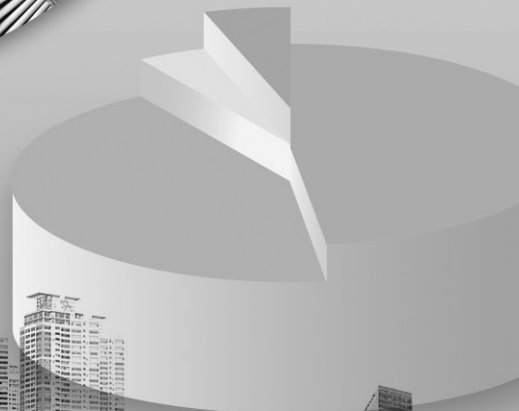
주 1. 1998년 이전 자료는 한국지역난방공사, GS Power(주), 서울에너지공사 등 3개 열에너지 회사의 자료임.
 2. 1998년 이후 자료는 집단에너지사업자조사의 지역별·난방 부문 결과에 3개 열에너지 회사의 월별, 부문별 비중을 적용하였음.

자료: 한국에너지공단, 한국지역난방공사, GS Power(주), SH공사

Note 1. The data before 1998 is the sum of Korea District Heating Corporation, GS Power, and Seoul Energy.
 2. The data since 1998 is the district heating data of the Survey for Group energy(KEA).
 Source: Korea energy agency, Korea District Heating Corp., GS Power, Seoul energy

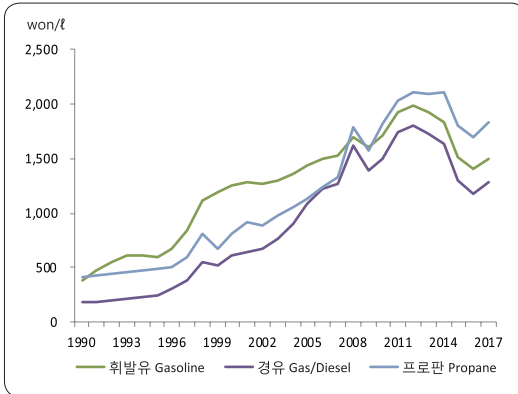
7. 에너지 가격

Energy prices

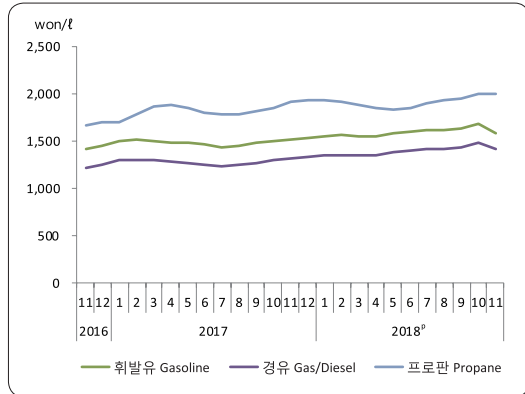


□ 석유 소비자 가격 Consumer prices by petroleum products

<1990~2017>

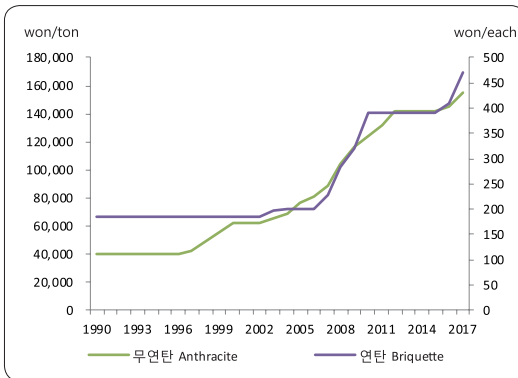


<월별 Monthly>



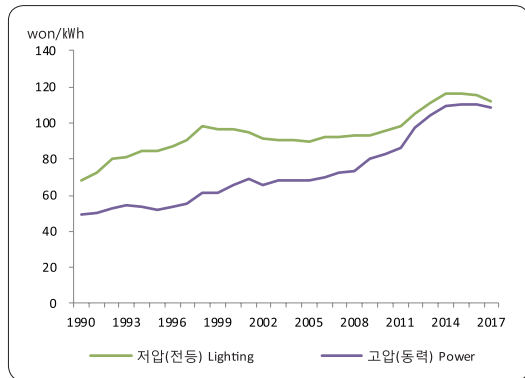
□ 석탄 가격 Coal prices

<1990~2017>



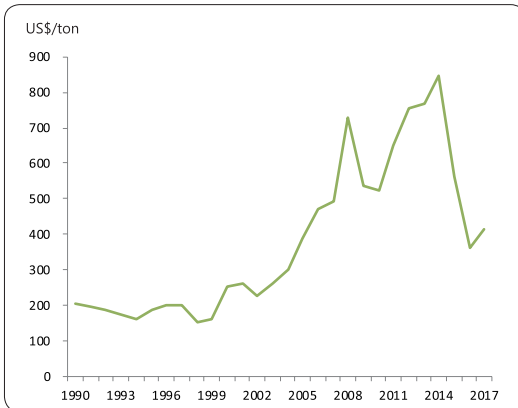
□ 전력 가격 Electricity prices

<1990~2017>



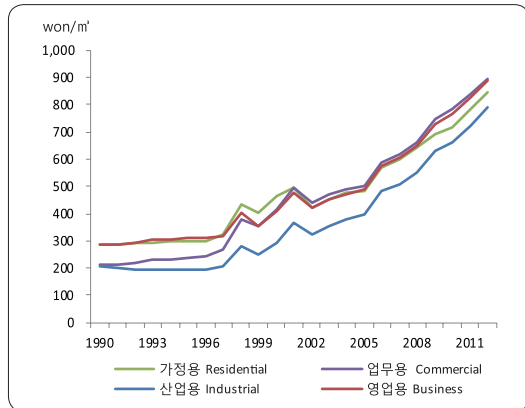
□ 천연가스 도입 단가 Natural gas import prices

<1990~2017>



□ 도시가스 가격 City gas prices

<1990~2012>



7.1.1 원유 수입 가격

Crude oil import prices

	평균	중동	아시아	아프리카	아메리카	유럽	
	Average	Middle East	Asia	Africa	America	Europe	
	US\$/bbl						
1990	21.0	20.8	18.3	18.3	17.7	-	
1991	19.6	19.3	18.2	18.2	18.1	-	
1992	18.6	18.2	17.8	17.8	18.2	-	
1993	16.6	16.1	16.5	16.5	16.7	-	
1994	15.6	15.3	15.9	15.9	15.8	-	
1995	17.3	17.2	18.0	18.0	16.6	-	
1996	20.1	19.9	20.7	20.7	19.5	-	
1997	20.3	20.3	20.8	20.8	19.3	18.8	
1998	13.7	13.6	14.8	14.8	12.9	13.8	
1999	16.9	17.1	16.1	16.1	15.1	16.2	
2000	28.2	28.0	29.2	29.2	25.5	28.6	
2001	24.9	24.8	25.1	25.1	22.6	25.6	
2002	24.2	24.2	24.2	24.2	22.2	25.7	
2003	28.7	28.4	30.4	30.4	27.4	33.7	
2004	36.2	35.5	37.4	37.4	32.9	-	
2005	50.5	50.1	48.1	48.1	42.6	58.2	
2006	62.8	62.5	65.0	65.0	54.9	-	
2007	69.4	68.9	66.9	66.9	52.6	-	
2008	98.3	98.2	98.2	98.2	-	-	
2009	60.8	61.0	61.8	61.8	51.0	-	
2010	78.7	78.6	73.9	73.9	76.2	-	
2011	108.0	107.4	112.4	112.4	98.7	115.3	
2012	112.8	112.3	119.7	119.7	98.9	117.1	
2013	108.3	107.9	108.0	108.0	111.6	112.4	
2014	101.2	101.0	102.0	101.8	94.3	107.4	
2015	53.3	53.1	54.5	53.7	52.4	56.4	
2016	41.1	40.8	44.5	44.5	37.3	41.4	
2017	53.4	53.1	55.7	57.1	48.5	56.7	
2016	11	47.5	47.7	48.5	49.9	42.3	50.0
	12	48.0	47.7	51.3	52.5	45.0	50.0
2017	1	52.5	52.5	54.5	55.6	39.0	56.5
	2	55.1	54.7	58.3	58.4	50.6	56.3
	3	54.2	54.4	54.3	58.2	45.5	60.0
	4	52.7	52.6	54.3	53.9	48.5	54.6
	5	52.4	52.4	52.5	52.5	50.3	-
	6	50.0	49.7	50.5	51.8	50.1	52.7
	7	47.5	47.4	48.4	48.4	43.8	48.4
	8	48.8	48.6	50.8	53.0	45.7	51.3
	9	51.9	51.7	54.5	55.5	47.0	54.3
	10	54.7	54.2	58.6	59.4	48.4	57.9
	11	57.9	57.7	61.5	64.1	51.9	59.6
	12	62.1	61.9	65.6	66.5	54.1	64.4
2018 ^o	1	64.9	64.6	67.9	67.6	60.6	66.4
	2	66.9	66.2	70.7	72.0	62.3	71.0
	3	64.9	64.4	67.5	73.4	61.8	69.4
	4	66.2	66.1	67.8	68.4	62.2	-
	5	71.2	70.7	76.1	76.1	64.5	74.7
	6	74.3	74.4	75.9	78.0	68.3	77.3
	7	75.0	74.8	77.6	74.9	72.2	80.2
	8	75.2	75.0	75.3	75.8	74.9	76.9
	9	76.5	76.4	77.8	76.4	75.3	82.1
	10	79.2	79.5	81.2	78.4	75.6	77.4
	11	76.2	75.0	78.2	80.3	77.4	83.8
2017	1-11	51.9	51.8	53.5	55.2	46.7	54.4
2018 ^o	1-11	71.5	71.1	74.0	73.7	69.0	74.7

주 1. 원유 수입량 및 수입액은 한국석유공사 자료이므로, 한국무역협회의 통계와 다를 수 있음.

2. 통관기준이며, 수입액은 CIF 가격임.

자료: 한국석유공사-PEDSIS

Notes 1. Import prices are from Korea National Oil Corporation. They are different from the statistics of Korea International Trade Association.

2. Based on customs clearance and CIF.

Source: Korea National Oil Corporation-PEDSIS

7.1.2 주요 석유제품 수입 가격

Import prices by petroleum products

		휘발유 Gasoline	경유 Gas/Diesel oil	등유 Kerosene	중질중유 Bunker-C	액화석유가스 LPG	납사 Naphtha
		US\$/bbl					
1990		-	-	-	-	-	-
1991		-	-	-	-	-	-
1992		-	25.5	27.1	15.5	15.0	22.0
1993		-	25.4	26.7	15.2	13.2	18.9
1994		-	22.1	24.4	14.8	12.3	17.0
1995		-	23.2	25.0	16.6	16.9	18.9
1996		-	28.6	31.8	19.0	18.4	21.8
1997		-	26.1	29.7	19.6	21.9	23.8
1998		19.5	16.6	21.7	14.3	14.6	17.0
1999		23.6	23.8	25.2	16.1	18.0	19.6
2000		35.5	36.4	37.2	27.2	26.3	30.6
2001		29.9	30.7	31.4	24.8	25.4	27.2
2002		30.4	29.3	29.8	24.2	22.1	25.3
2003		34.0	34.0	37.5	30.1	26.3	31.3
2004		46.5	44.4	45.7	33.2	31.3	42.3
2005		51.4	64.5	64.6	44.3	39.0	52.9
2006		-	84.2	76.0	53.9	47.1	64.0
2007		-	78.5	81.9	54.6	53.0	74.0
2008		-	125.8	106.3	89.6	75.0	100.1
2009		-	61.8	71.3	53.0	46.0	58.8
2010		-	93.5	102.5	74.1	61.9	80.4
2011		-	130.4	129.6	102.7	76.6	104.2
2012		119.7	128.2	128.0	109.2	79.6	105.7
2013		124.7	127.3	126.7	101.3	77.3	103.0
2014		-	122.6	125.7	95.5	76.4	101.8
2015		85.9	75.4	124.9	48.0	41.9	55.8
2016		64.2	55.4	47.7	45.0	148.4	38.0
2017		66.4	68.8	62.8	54.8	155.1	54.3
2016	11	71.6	60.4	-	46.7	32.2	48.6
	12	64.6	61.0	-	51.5	34.6	48.4
2017	1	-	61.1	63.7	59.2	37.8	53.0
	2	70.4	70.4	-	58.9	45.1	56.4
	3	-	72.1	-	58.2	43.5	57.3
	4	-	70.0	-	55.6	42.9	53.0
	5	75.6	69.3	-	-	36.5	53.1
	6	60.6	63.1	62.5	53.5	36.1	50.1
	7	65.1	61.6	-	55.6	35.4	46.5
	8	65.2	64.8	62.5	-	35.0	47.2
	9	-	70.4	62.5	-	40.4	52.2
	10	-	72.1	-	-	47.4	56.8
	11	-	72.9	-	-	47.3	59.8
	12	83.3	77.5	-	-	46.9	65.8
2018 ^p	1	-	79.5	-	-	50.5	67.3
	2	-	81.7	-	-	47.0	67.4
	3	-	85.1	-	-	43.0	63.7
	4	91.3	81.0	-	-	42.7	64.9
	5	-	77.7	-	59.7	44.2	69.1
	6	-	77.8	-	63.8	48.7	75.2
	7	-	92.0	-	68.8	50.9	73.5
	8	93.3	92.2	62.5	-	50.6	73.8
	9	-	94.2	-	-	51.0	74.1
	10	-	92.7	-	-	54.2	77.2
	11	-	96.9	-	37.1	50.5	77.9
2017	1-11	65.1	68.3	62.8	57.9	40.5	53.2
2018 ^p	1-11	92.4	86.7	62.5	62.1	48.5	71.4

주: 통관기준이며, 수입액은 CIF 가격임.
자료: 한국석유공사-PEDSIS

Note: Based on customs clearance. The import value is the CIF price.
Source: Korea National Oil Corporation-PEDSIS

7.1.3 주요 석유제품 수출 가격

Export prices by petroleum products

		휘발유 Gasoline	경유 Gas/Diesel oil	등유 Kerosene	중질중유 Bunker-C	액화석유가스 LPG	납사 Naphtha
		US\$/bbl					
1990		-	-	-	-	-	-
1991		-	-	-	-	-	-
1992		38.0	25.5	32.4	13.3	17.2	20.5
1993		27.7	24.0	33.5	11.4	15.1	17.2
1994		25.2	21.0	23.7	12.7	14.4	17.4
1995		27.7	21.8	23.7	14.5	18.4	18.4
1996		23.7	27.7	30.6	16.6	20.3	21.2
1997		25.0	24.5	25.3	15.8	21.0	23.8
1998		18.1	15.5	17.4	11.0	15.2	16.0
1999		22.9	19.2	23.7	15.6	17.8	20.2
2000		32.4	33.1	34.7	24.2	26.5	29.9
2001		28.5	27.5	30.8	20.9	25.1	26.1
2002		27.8	27.5	29.9	23.3	22.4	25.9
2003		35.3	32.4	36.3	27.2	28.1	31.5
2004		47.5	47.2	46.6	29.8	29.3	43.3
2005		62.1	64.8	60.9	42.1	38.8	53.8
2006		74.2	77.8	81.4	50.1	48.3	63.5
2007		86.4	84.9	97.7	61.8	49.4	77.4
2008		93.7	121.7	109.9	79.2	70.4	90.8
2009		70.5	69.3	72.0	59.3	48.7	61.6
2010		88.4	89.9	92.9	73.9	59.9	80.3
2011		118.2	125.5	130.4	102.4	72.5	103.7
2012		121.0	126.7	130.0	105.9	83.1	102.6
2013		117.5	122.9	132.7	102.6	77.7	102.7
2014		108.8	112.8	107.6	96.9	78.1	95.8
2015		66.8	63.4	67.3	50.0	44.7	54.2
2016		53.9	50.8	53.9	42.8	34.1	43.8
2017		67.3	65.4	70.9	56.2	43.7	54.2
2016	11	59.0	57.3	59.6	47.0	34.0	48.1
	12	65.6	61.0	65.9	56.2	32.9	50.3
2017	1	67.8	64.9	67.0	68.6	38.6	54.6
	2	69.0	66.6	68.1	66.6	43.6	56.8
	3	63.9	63.4	63.9	54.5	40.0	51.5
	4	66.5	64.3	0.0	56.3	39.1	52.3
	5	63.9	61.0	60.9	51.6	37.2	50.5
	6	60.1	57.8	56.9	54.1	39.3	47.7
	7	60.4	60.5	60.4	57.2	39.9	45.5
	8	65.4	62.9	64.1	49.8	38.8	49.9
	9	68.4	67.6	67.9	52.7	41.4	55.1
	10	68.9	68.3	69.3	54.0	48.6	57.7
	11	74.3	72.5	75.6	56.1	49.3	63.0
	12	74.8	75.0	76.5	60.8	51.0	65.7
2018 ^p	1	78.2	80.4	82.7	67.1	52.0	67.8
	2	77.0	77.4	82.3	62.1	48.2	64.5
	3	75.8	77.5	81.7	63.1	44.3	62.3
	4	79.5	82.7	86.5	68.4	43.7	67.9
	5	85.5	89.2	90.6	80.8	47.5	72.7
	6	83.3	87.0	87.1	86.4	52.0	71.7
	7	82.4	86.3	88.4	77.9	51.2	72.8
	8	83.5	87.4	87.5	77.4	51.7	71.8
	9	87.6	92.7	92.4	82.0	55.4	74.2
	10	87.1	96.3	96.7	86.8	57.3	75.7
	11	70.8	83.2	84.5	72.9	49.9	64.2
2017	1-11	66.5	56.8	67.3	54.8	42.5	53.2
2018 ^p	1-11	80.9	74.7	85.7	73.2	51.2	69.8

주: 통관기준이며, 수출액은 FOB 가격임.
자료: 한국석유공사-PEDSIS

Note: Based on customs clearance. The export value is the FOB price.
Source: Korea National Oil Corporation-PEDSIS

7.1.4 정유사 판매 가격

Refiner prices

	휘발유 Gasoline	경유 Gas/Diesel oil		등유 ¹ Kerosene	중질중유 Bunker-C	LPG		
		선박용 MGO	자동차용 Automobile			부탄 Butane	프로판 Propane	
		won/ℓ						
1990	330.8	154.5	157.7	164.7	86.2	231.2	231.7	
1991	428.1	154.5	157.7	200.7	85.6	224.4	225.0	
1992	500.4	168.8	172.4	207.1	88.0	228.6	229.1	
1993	552.7	181.9	185.9	223.1	92.5	235.4	236.0	
1994	551.3	188.1	195.8	217.6	96.7	230.1	230.7	
1995	537.1	200.0	207.9	227.2	119.5	239.3	239.9	
1996	612.3	258.1	264.2	276.2	145.2	255.2	255.9	
1997	769.2	319.9	329.9	325.5	188.4	-	-	
1998	1,042.9	484.5	484.5	456.1	253.7	-	-	
1999	1,112.4	457.6	470.1	414.6	225.7	-	-	
2000	1,175.9	553.7	567.4	485.9	288.7	-	-	
2001	1,214.5	592.0	607.6	505.3	304.0	673.2	612.6	
2002	1,203.9	640.8	651.1	492.2	320.5	692.3	511.1	
2003	1,231.6	748.3	748.9	571.8	339.5	870.3	568.0	
2004	1,293.0	876.3	878.7	692.9	365.4	1,042.8	617.6	
2005	1,359.4	1,045.7	1,045.6	806.8	420.2	1,121.4	671.8	
2006	1,406.9	1,175.7	1,185.9	857.6	489.4	1,156.0	745.0	
2007	1,433.6	1,156.3	1,199.8	837.9	491.3	-	-	
2008	1,554.4	1,426.7	1,468.6	929.5	698.0	1,584.9	1,214.4	
2009	1,491.8	1,216.6	1,267.4	798.0	638.7	1,229.9	850.1	
2010	1,605.9	1,333.1	1,393.1	908.1	710.5	1,451.1	1,056.3	
2011	1,809.8	1,572.9	1,630.6	1,144.2	917.8	1,656.6	1,230.1	
2012	1,860.9	1,629.3	1,682.2	1,185.5	1,053.5	1,690.5	1,261.7	
2013	1,796.6	1,570.7	1,609.2	1,126.9	918.7	1,636.3	1,216.7	
2014	1,684.6	1,473.4	1,485.0	963.6	853.4	1,597.7	1,154.8	
2015	1,389.4	1,139.8	1,164.5	630.9	541.9	1,169.4	727.1	
2016	1,296.2	1,027.8	1,068.7	542.4	442.8	1,030.6	584.4	
2017	1,380.0	1,136.4	1,161.4	650.0	564.7	1,179.5	733.7	
2016	11	1,321.1	1,096.1	1,106.5	589.6	500.3	1,010.6	574.9
	12	1,381.6	1,088.1	1,156.9	648.1	551.3	1,064.9	623.5
2017	1	1,412.3	1,137.5	1,189.0	669.8	601.7	1,065.5	625.6
	2	1,397.2	1,173.3	1,177.9	651.8	566.4	1,156.3	712.7
	3	1,358.6	1,162.6	1,145.0	615.2	577.4	1,250.3	799.8
	4	1,376.3	1,132.4	1,156.1	620.7	567.1	1,248.5	784.9
	5	1,342.3	1,132.5	1,120.6	592.8	552.0	1,205.0	741.9
	6	1,325.8	1,131.0	1,099.5	568.3	557.7	1,134.0	680.9
	7	1,332.6	1,085.8	1,125.5	590.3	503.8	1,109.0	657.0
	8	1,373.0	1,094.9	1,148.0	616.0	532.8	1,100.2	646.6
	9	1,399.9	1,135.9	1,172.9	652.2	569.3	1,149.7	700.7
	10	1,391.4	1,151.6	1,179.7	659.2	580.8	1,201.9	754.4
	11	1,429.9	1,166.8	1,210.8	703.5	594.3	1,277.0	834.8
	12	1,428.0	1,186.9	1,216.9	702.0	576.5	1,265.2	830.8
2018 ^o	1	1,445.0	1,189.5	1,247.6	730.6	575.3	1,266.9	839.2
	2	1,429.0	1,218.8	1,237.9	735.8	603.6	1,247.5	830.1
	3	1,425.2	1,211.5	1,227.6	721.4	561.6	1,214.0	779.9
	4	1,451.9	1,200.6	1,260.0	752.3	620.7	1,171.4	723.5
	5	1,504.6	1,240.6	1,309.3	796.3	660.9	1,140.9	726.3
	6	1,494.0	1,287.9	1,298.1	775.8	697.1	1,191.3	746.3
	7	1,514.2	1,283.3	1,318.8	801.1	709.3	1,219.2	779.9
	8	1,527.8	1,295.1	1,327.2	803.7	719.2	1,283.4	822.9
	9	1,560.8	1,311.5	1,368.9	844.3	719.7	1,291.9	838.2
	10	1,566.8	1,347.2	1,397.8	878.2	762.5	1,332.5	911.0
	11	1,338.2	1,308.3	1,231.5	796.0	727.2	1,310.0	916.9
2017	1-11	1,376.3	1,136.7	1,156.8	630.9	563.9	1,172.5	721.7
2018 ^o	1-11	1,478.0	1,263.1	1,293.2	785.0	668.8	1,242.6	810.4

1. 실내등유 기준

주: 세후 가격

자료: 한국석유공사-PETRONET

1. Excludes heating oil.

Note: All the prices include taxes.

Source: Korea National Oil Corporation-PETRONET

7.1.5 소비자 판매 가격

Consumer prices

	휘발유 ¹ Gasoline	경유 ¹ Gas/Diesel oil	등유 Kerosene		중질중유 ² Bunker-C	프로판 ³ Propane	부탄 Butane		
			실내등유 ¹ Kerosen	보일러등유 ¹ Heating oil			일반용 ³ Residential and Commercial	수송용 ¹ Transport	
			won/ℓ				won/kg		won/ℓ
1990	383.5	182.0	191.3	-	95.3	415.0	-	506.8	
1991	480.7	182.0	226.9	-	94.7	430.4	-	-	
1992	555.8	198.7	235.8	-	97.5	449.4	-	-	
1993	610.0	214.0	254.0	-	102.5	460.0	-	-	
1994	611.0	227.1	271.0	-	106.5	475.0	-	-	
1995	598.0	239.4	261.6	-	129.5	489.7	-	-	
1996	675.8	300.8	314.7	-	156.7	510.0	-	-	
1997	838.7	376.2	373.5	-	-	599.0	-	-	
1998	1,122.6	553.5	524.2	415.6	292.1	815.0	-	-	
1999	1,191.9	521.8	491.2	445.2	242.3	678.3	-	-	
2000	1,248.4	612.8	559.6	544.9	304.1	809.3	-	-	
2001	1,280.0	644.6	580.2	574.0	320.5	919.0	1,138.9	440.0	
2002	1,269.1	677.6	554.4	553.5	334.4	887.3	1,108.1	457.7	
2003	1,294.8	772.0	638.8	640.0	349.6	980.0	1,193.3	567.4	
2004	1,365.3	907.9	752.2	757.5	377.5	1,050.2	1,234.5	673.9	
2005	1,432.3	1,079.7	871.0	873.7	432.5	1,131.5	1,305.1	723.4	
2006	1,492.4	1,228.2	931.9	936.2	475.9	1,242.7	1,392.3	747.9	
2007	1,525.9	1,272.7	932.2	936.5	526.6	1,330.6	1,453.7	773.8	
2008	1,692.1	1,614.4	1,238.7	1,238.6	757.1	1,789.9	1,899.2	1,009.0	
2009	1,600.7	1,397.5	976.2	974.8	718.7	1,577.2	1,885.0	828.7	
2010	1,710.4	1,502.8	1,076.0	1,075.2	772.3	1,812.7	2,072.0	952.2	
2011	1,929.3	1,745.7	1,321.2	-	987.2	2,034.0	2,277.3	1,076.1	
2012	1,985.8	1,806.3	1,394.1	-	1,088.7	2,105.9	2,352.0	1,101.9	
2013	1,924.5	1,729.6	1,366.7	-	935.4	2,085.3	2,337.6	1,070.8	
2014	1,827.3	1,636.7	1,296.7	-	885.5	2,112.9	2,369.3	1,051.2	
2015	1,510.4	1,299.6	947.4	-	604.2	1,801.3	2,033.9	806.4	
2016	1,402.6	1,182.5	784.5	-	523.8	1,689.1	1,913.5	734.0	
2017	1,491.3	1,282.5	853.1	-	619.8	1,833.8	2,074.7	826.5	
2016	11	1,427.0	1,222.7	800.2	-	589.2	1,664.4	1,900.5	724.9
	12	1,454.6	1,249.7	818.9	-	579.8	1,705.0	1,953.0	751.6
2017	1	1,507.9	1,300.2	857.5	-	643.1	1,707.8	1,955.7	752.1
	2	1,516.7	1,307.5	864.6	-	660.6	1,788.2	2,047.4	805.2
	3	1,506.8	1,297.3	861.8	-	630.0	1,875.9	2,127.2	858.5
	4	1,487.5	1,277.8	853.3	-	603.7	1,878.7	2,122.2	858.1
	5	1,481.2	1,271.4	846.9	-	617.6	1,857.1	2,090.0	842.3
	6	1,461.6	1,251.5	840.4	-	610.4	1,805.9	2,020.9	804.7
	7	1,438.6	1,229.8	831.3	-	584.6	1,780.9	1,993.2	786.6
	8	1,451.8	1,244.9	832.1	-	594.1	1,779.4	1,995.0	785.5
	9	1,479.7	1,271.0	838.0	-	603.1	1,815.8	2,031.9	813.4
	10	1,504.5	1,295.6	848.1	-	610.5	1,857.9	2,078.8	841.2
	11	1,521.1	1,313.0	863.6	-	624.3	1,926.7	2,182.4	884.6
	12	1,540.3	1,332.4	884.4	-	652.3	1,929.8	2,192.7	885.1
2018 ^o	1	1,551.8	1,344.9	896.5	-	621.7	1,929.2	2,198.8	885.3
	2	1,564.6	1,360.4	909.5	-	638.7	1,926.3	2,195.9	886.0
	3	1,557.9	1,354.6	908.9	-	656.5	1,886.8	2,143.2	857.2
	4	1,551.3	1,349.1	907.0	-	674.6	1,845.1	2,089.2	828.7
	5	1,580.3	1,380.2	918.9	-	695.9	1,842.2	2,085.3	826.9
	6	1,609.1	1,410.0	938.8	-	759.5	1,860.0	2,094.9	843.7
	7	1,610.9	1,411.9	942.2	-	771.5	1,902.9	2,139.8	869.1
	8	1,618.3	1,419.1	946.6	-	788.6	1,942.9	2,182.9	894.8
	9	1,637.6	1,438.9	959.9	-	784.4	1,945.2	2,181.3	895.4
	10	1,681.1	1,485.0	997.3	-	790.3	2,002.4	2,259.0	934.2
	11	1,580.9	1,424.7	1,010.3	-	846.5	2,008.6	2,280.0	910.5
2017	1-11	1,487.0	1,278.2	848.9	-	616.5	1,824.9	2,058.6	821.1
2018 ^o	1-11	1,594.9	1,398.1	939.6	-	729.8	1,917.4	2,168.2	875.6

1. 주유소/충전소 판매 가격

2. 대리점 판매 가격

3. 판매소 판매 가격

주: 부가세 포함 가격

자료: 한국석유공사-PETRONET

1. Gas station sales prices

2. Agent sales price

3. Sales prices at general-purpose propane and butane stores.

Note: All the prices include VAT.

Source: Korea National Oil Corporation-PETRONET

7.2 석탄 및 전력 가격

Coal and electricity prices

	석탄 Coal		전력 ³ Electricity			
	무연탄 ¹ Anthracite	연탄 ² Briquette	저압(전등) Lighting	고압(동력) Power	평균 Average	
	won/ton	won/each	won/kWh			
1990	40,740	185	68.1	49.5	52.9	
1991	40,740	185	72.3	50.2	54.2	
1992	40,740	185	80.4	53.1	58.1	
1993	40,740	185	81.2	54.1	58.9	
1994	40,740	185	84.8	54.0	60.2	
1995	40,740	185	84.8	51.7	61.3	
1996	40,740	185	87.0	53.4	63.0	
1997	42,849	185	90.2	55.3	65.3	
1998	48,827	185	98.2	61.7	72.1	
1999	55,455	185	96.7	61.7	71.6	
2000	62,210	185	96.5	65.7	74.7	
2001	62,210	185	94.8	69.3	77.1	
2002	62,474	185	91.6	66.0	73.9	
2003	65,598	199	90.5	67.8	74.7	
2004	69,025	202	90.3	68.0	74.6	
2005	76,197	202	89.6	68.2	74.5	
2006	81,110	202	92.0	70.1	76.4	
2007	89,220	230	92.5	72.2	77.9	
2008	103,841	283	93.0	73.4	78.8	
2009	116,809	319	93.5	79.9	83.6	
2010	123,680	391	96.1	82.6	86.1	
2011	131,456	391	98.5	86.3	89.3	
2012	142,230	391	105.1	97.0	98.8	
2013	142,230	391	111.1	104.6	106.0	
2014	142,230	391	116.1	109.7	111.1	
2015	142,230	391	116.1	110.2	111.6	
2016	145,106	410	115.7	109.9	111.2	
2017	154,720	472	111.8	108.9	109.5	
2016	11	153,670	465	109	117	115
2016	12	153,670	465	116	118	117
2017	1	153,670	465	112	115	114
2017	2	153,670	465	111	117	116
2017	3	153,670	465	106	97	99
2017	4	153,670	465	100	96	97
2017	5	153,670	465	105	96	98
2017	6	153,670	465	113	116	115
2017	7	153,670	465	126	120	121
2017	8	153,670	465	128	121	123
2017	9	153,670	465	117	100	104
2017	10	153,670	465	105	95	97
2017	11	153,670	465	105	115	113
2017	12	166,030	552	112	115	114
2018 ^p	1	166,030	552	111	115	114
2018 ^p	2	166,030	552	111	115	114
2018 ^p	3	166,030	552	106	99	100
2018 ^p	4	166,030	552	102	95	97
2018 ^p	5	166,030	552	105	95	97
2018 ^p	6	166,030	552	113	113	113
2018 ^p	7	166,030	552	126	120	121
2018 ^p	8	166,030	552	126	119	121
2018 ^p	9	166,030	552	109	98	100
2018 ^p	10	166,030	552	106	95	97
2018 ^p	11	166,030	552	105	114	112

1. 국내탄 5급(4,400~4,599kcal/kg) 최고가격 기준
 2. 연탄공장에서 판매소까지의 수송비 개당 12.75원(상·하차비용포함)과 판매소 수수료 개당 5원을 포함한 판매소 가격
 3. 2004년 1월 이후의 수용가수 및 판매량의 전등과 동력은 저압과 고압으로 변경.
- 자료: 한국전력공사, 대한석탄협회, 산업통상자원부

1. Based on the top price of Grade 5(4,400~4,599kcal/kg) of domestic coal.
 2. Store prices include 12.75 won (including loading and unloading costs) per unit of transport expenses from the briquette plant to the store as well as 5 won per unit of the store commission.
 3. The lighting and power of households and sales volume after January 2004 were changed to low tension and high tension.
- Source: KEPCO, Korea Coal Association, Ministry of Trade, Industry and Energy

7.3 LNG 수입가격 및 도시가스 가격

LNG import prices and city gas prices

	천연가스 ¹ LNG		도시가스 ² City Gas				
	도입금액	단가	가정용 ³	업무용 ⁴	산업용	영업용 ⁵	
	Import value million US\$	Unit price US\$/ton	Residential	Commercial	Industrial	Business	
			won/m ³ , won/MJ				
1990	460	205	285	214	207	285	
1991	485	195	285	211	199	285	
1992	562	188	290	221	194	295	
1993	781	175	295	230	194	305	
1994	961	160	296	231	197	306	
1995	1,275	189	301	237	197	309	
1996	1,878	203	302	242	197	309	
1997	2,296	200	326	266	207	319	
1998	1,549	152	432	378	283	404	
1999	1,973	161	404	357	248	353	
2000	3,882	255	464	417	294	408	
2001	3,990	260	498	496	369	479	
2002	4,120	229	423	440	323	422	
2003	5,082	263	452	469	357	450	
2004	6,552	301	474	491	380	472	
2005	8,646	387	486	503	396	489	
2006	11,925	472	569	586	486	577	
2007	12,653	495	599	616	509	608	
2008	19,806	727	643	662	550	650	
2009	13,875	537	690	744	629	731	
2010	17,006	522	717	785	662	768	
2011	23,859	650	784	838	724	828	
2012	27,364	756	848	891	793	890	
2013	30,645	769	20.8	21.7	19.5	21.7	
2014	31,403	846	22.2	22.9	20.7	23.0	
2015	18,779	563	18.6	19.0	16.4	18.6	
2016	12,170	364	15.1	15.6	12.6	14.8	
2017	15,616	416	15.7	16.1	13.3	15.4	
2016	11	1,326	388	15	16	12	15
	12	1,520	379	15	16	13	15
2017	1	1,771	413	15	16	13	15
	2	1,499	418	15	16	13	15
	3	1,432	408	16	16	14	16
	4	950	409	16	16	13	15
	5	1,074	432	16	16	14	16
	6	1,408	408	16	16	13	16
	7	1,105	408	16	16	13	16
	8	1,106	426	16	16	13	16
	9	993	421	16	17	14	16
	10	1,160	422	16	17	14	16
	11	1,328	400	15	15	12	14
	12	1,789	430	15	15	13	15
2018 ^p	1	1,870	453	15	15	13	15
	2	2,353	517	15	15	13	15
	3	2,094	488	15	15	13	15
	4	1,554	484	15	15	12	14
	5	1,415	510	15	15	13	14
	6	1,907	510	15	15	13	14
	7	1,423	520	15	16	13	15
	8	1,541	532	15	16	13	15
	9	1,865	562	15	16	13	15
	10	2,189	580	15	16	13	15
	11	2,278	584	15	16	13	15

1. CIF 기준

2. 서울지역 평균가격(부가세 제외), 2013년부터는 열량단위 단가

3. 취사용 가격

4. 업무난방용 가격

5. 직접적인 영리 목적의 영업활동(목욕탕 등 제외)

자료: 한국무역협회, 한국도시가스협회

1. Based on CIF.

2. Average price in the Seoul area (excluding VAT), Based on mega Joule from 2013

3. Prices for cooking purpose.

4. Prices for heating of the building.

5. Price for business(except public bathhouse)

Source: Korea International Trade Association, Korea City Gas Association

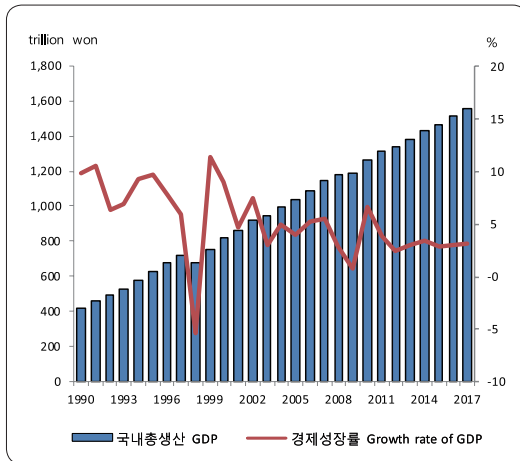
8. 주요 경제 · 사회 지표

Major economic and social indicators

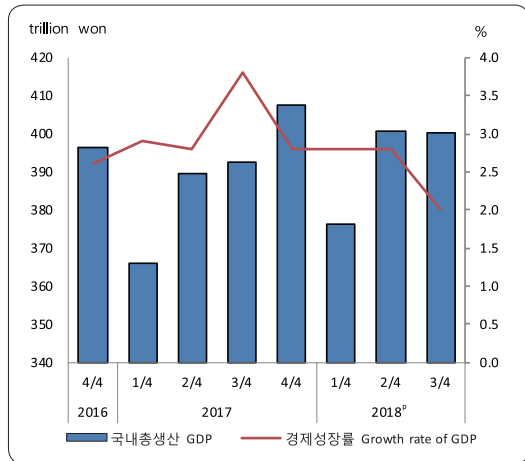


□ 국내총생산, 경제성장률 GDP and growth rate of GDP

<1990~2017>

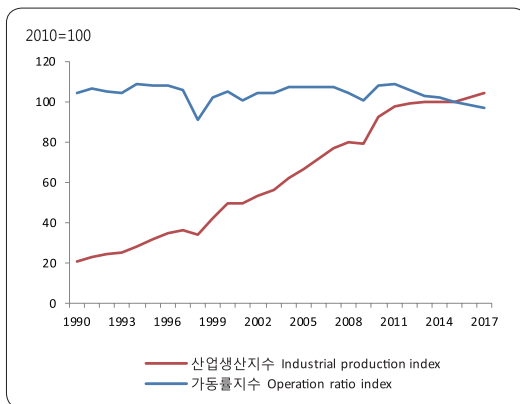


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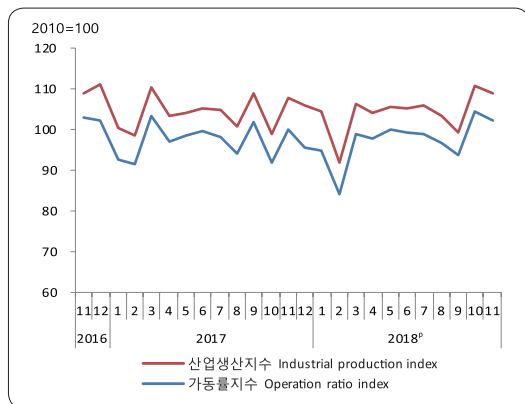


□ 산업생산지수, 가동률지수 Industrial production index

<1990~2017>

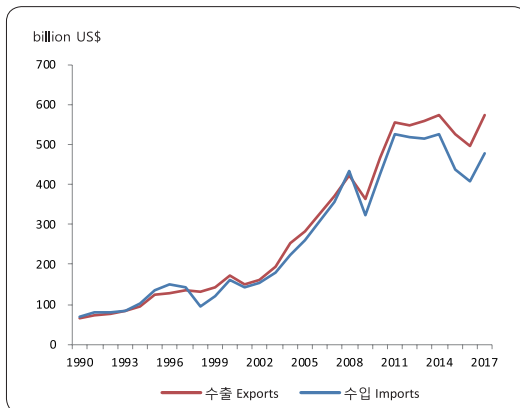


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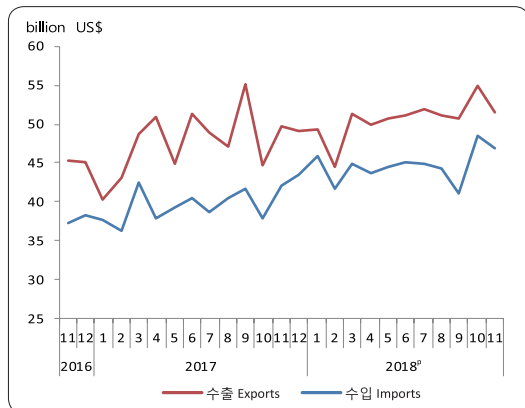


□ 수출입 Imports and export

<1990~2017>



<월별 Monthly>



8.1. 주요 경제지표

Major economic indicators

	국내총생산 ¹ (시장가격) GDP at market prices	경제성장률 Growth rate of GDP	민간소비 ¹ Private consumption	설비투자 ¹ Facilities investment	건설투자 ¹ Construction investment	물가지수 Prices	
						생산자 Producer	소비자 Consumer
						2010=100	2015=100
	billion won	%		billion won			
1990	419,518	9.8	253,472	43,880	118,588	56.4	40.6
1991	462,955	10.4	275,983	50,928	134,583	59.0	44.4
1992	491,545	6.2	294,896	52,926	135,000	60.3	47.1
1993	525,199	6.8	314,927	53,445	151,084	61.2	49.4
1994	573,550	9.2	343,187	68,154	160,086	62.9	52.5
1995	628,442	9.6	379,260	79,173	175,637	65.8	54.8
1996	676,169	7.6	408,082	86,787	188,448	67.9	57.5
1997	716,213	5.9	424,953	79,543	193,177	70.5	60.1
1998	677,028	-5.5	374,408	48,243	167,565	79.1	64.6
1999	753,590	11.3	418,258	65,275	162,016	77.5	65.1
2000	820,844	8.9	456,116	86,709	161,913	79.1	66.6
2001	857,990	4.5	482,023	79,039	172,378	78.7	69.3
2002	921,759	7.4	524,830	84,584	183,365	78.5	71.2
2003	948,796	2.9	522,093	83,853	199,416	80.2	73.7
2004	995,286	4.9	523,418	86,813	202,484	85.1	76.3
2005	1,034,338	3.9	546,548	91,015	202,289	86.9	78.4
2006	1,087,876	5.2	571,617	98,650	203,690	87.7	80.2
2007	1,147,311	5.5	600,758	108,196	206,813	88.9	82.2
2008	1,179,771	2.8	609,005	108,014	201,160	96.5	86.1
2009	1,188,118	0.7	609,997	99,712	208,241	96.3	88.5
2010	1,265,308	6.5	636,713	121,621	200,618	100.0	91.1
2011	1,311,893	3.7	655,181	127,285	193,752	106.7	94.7
2012	1,341,967	2.3	667,781	127,444	186,108	107.5	96.8
2013	1,380,833	2.9	680,350	126,441	196,330	105.7	98.0
2014	1,426,972	3.3	692,236	133,993	198,457	105.2	99.3
2015	1,466,788	2.8	707,493	140,262	211,536	101.0	100.0
2016	1,509,755	2.9	725,362	138,825	233,365	99.1	101.0
2017	1,555,995	3.1	744,284	159,083	251,078	102.5	102.9
2016							
11	-	-	-	-	-	100.0	101.6
12	396,504	2.6	184,491	37,359	65,086	100.9	101.5
2017							
1	-	-	-	-	-	102.3	102.4
2	-	-	-	-	-	102.7	102.8
3	366,227	2.9	185,828	37,346	49,487	102.7	102.8
4	-	-	-	-	-	102.4	102.7
5	-	-	-	-	-	102.2	102.8
6	389,589	2.8	180,992	42,034	67,060	101.8	102.7
7	-	-	-	-	-	101.9	102.9
8	-	-	-	-	-	102.3	103.5
9	392,612	3.8	186,778	39,145	66,979	103.0	103.6
10	-	-	-	-	-	103.1	103.4
11	-	-	-	-	-	103.0	102.7
12	407,567	2.8	190,686	40,558	67,553	103.1	103.0
2018 ^p							
1	-	-	-	-	-	103.6	103.4
2	-	-	-	-	-	104.0	104.2
3	376,432	2.8	192,356	40,081	50,355	104.0	104.1
4	-	-	-	-	-	104.2	104.3
5	-	-	-	-	-	104.4	104.3
6	400,571	2.8	186,147	40,782	66,070	104.5	104.1
7	-	-	-	-	-	104.9	103.9
8	-	-	-	-	-	105.5	104.9
9	400,309	2.0	191,461	36,241	61,017	105.8	105.7
10	-	-	-	-	-	105.4	105.5
11	-	-	-	-	-	104.6	104.7

자료: 한국은행

Source: Bank of Korea.

8.2. 산업생산 지수

Industrial production index

		총지수	광업 및 제조업	1차 철강	시멘트	기초화학물	수송장비	전기장비	서비스업
		All items	Mining and manufacturing	Basic iron and steel	Cement, lime and plaster and its products	Basic chemicals	Motor vehicles, trailers and semitrailer	Electrical equipment	Services
		2015=100							
1990		21.1	20.9	33.6	61.6	14.5	16.9	36.6	0.0
1991		23.1	22.9	37.7	74.2	18.6	19.5	40.5	0.0
1992		24.5	24.3	40.3	79.9	25.7	22.2	42.0	0.0
1993		25.6	25.3	45.4	81.8	28.7	25.9	44.5	0.0
1994		28.4	28.1	48.1	87.4	31.2	31.0	49.6	0.0
1995		31.8	31.5	52.0	93.7	32.8	36.2	57.2	0.0
1996		34.6	34.1	55.2	100.3	37.6	40.8	60.5	0.0
1997		36.2	35.7	58.5	102.1	46.7	40.6	60.2	0.0
1998		33.9	33.4	52.9	74.7	49.0	26.8	45.3	0.0
1999		42.2	41.8	58.9	76.3	53.0	41.0	57.3	0.0
2000		49.4	49.0	63.9	82.9	56.0	46.8	68.3	59.6
2001		49.7	49.1	64.9	86.3	55.5	46.2	68.0	63.3
2002		53.7	53.1	67.4	94.8	58.9	50.2	76.6	69.3
2003		56.6	56.0	71.7	101.2	60.9	53.4	76.6	70.0
2004		62.5	62.1	74.5	94.1	65.7	59.7	81.2	70.2
2005		66.5	66.0	73.8	85.0	68.2	64.7	84.1	72.8
2006		72.1	71.7	76.8	88.6	71.0	69.9	84.3	76.5
2007		77.0	76.8	80.6	94.6	75.6	74.2	88.1	81.6
2008		79.6	79.4	82.3	91.0	75.1	71.8	93.6	84.5
2009		79.5	79.2	73.8	84.6	79.7	67.2	95.1	86.1
2010		92.5	92.4	90.2	79.5	86.6	82.8	104.6	89.4
2011		98.0	98.0	97.1	81.6	88.0	95.0	105.4	92.2
2012		99.4	99.4	98.1	80.7	91.6	94.8	103.3	93.7
2013		100.1	100.0	97.6	86.7	97.0	96.1	101.4	95.0
2014		100.3	100.3	102.0	83.7	97.8	98.7	103.4	97.2
2015		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2016		102.3	102.4	100.2	108.3	104.8	97.7	103.3	102.6
2017		104.2	104.0	100.7	109.9	110.4	94.9	106.4	104.5
2016	11	109.0	109.8	102.1	126.1	105.1	110.3	113.8	103.3
	12	111.3	110.9	106.2	117.1	111.5	116.5	114.3	112.9
2017	1	100.3	98.6	98.1	86.7	113.2	87.3	94.0	99.6
	2	98.6	97.3	97.0	92.5	103.8	95.3	98.2	97.5
	3	110.6	110.4	102.5	128.2	112.4	111.1	110.4	105.6
	4	103.3	103.8	101.4	121.7	106.7	102.7	103.9	103.1
	5	104.3	105.1	104.3	128.7	109.6	97.1	105.4	104.5
	6	105.4	106.4	102.7	110.7	105.2	101.9	109.1	106.0
	7	104.8	104.5	104.7	102.4	112.0	99.5	103.6	103.5
	8	100.8	100.5	103.5	102.2	112.4	78.9	103.4	103.9
	9	108.9	110.0	101.8	120.5	111.3	98.7	116.1	107.5
	10	99.0	99.5	102.4	100.0	113.5	80.2	101.9	102.1
	11	107.8	107.7	96.5	119.0	108.2	103.1	120.2	106.5
	12	106.0	104.0	93.1	105.9	116.6	82.5	110.7	114.1
2018 ⁹	1	104.5	102.0	95.4	77.6	116.6	88.9	100.8	103.0
	2	91.9	89.7	82.9	73.6	104.5	76.4	91.6	99.3
	3	106.3	105.7	100.1	108.0	111.0	97.4	106.0	108.1
	4	104.3	104.6	99.8	110.1	111.1	97.2	103.0	105.9
	5	105.6	106.3	103.4	114.8	115.0	97.0	103.2	106.9
	6	105.1	105.5	101.1	115.8	108.8	93.4	104.1	107.8
	7	105.9	105.3	103.4	102.5	114.1	87.4	102.7	105.8
	8	103.3	102.5	100.2	89.8	112.6	86.6	102.0	105.6
	9	99.5	100.0	94.5	92.9	111.1	83.6	99.4	105.9
	10	110.8	111.6	101.4	111.6	108.7	103.6	111.0	107.9
	11	109.0	109.1	99.1	110.2	104.4	105.9	113.7	107.7

자료: 통계청

Source: Statistics Korea

8.3. 가동률 지수

Operation ratio index

		총지수	1차 철강	시멘트	기초화학물	수송장비	전기장비
		All items	Basic iron and steel	Cement, lime and plaster and its products	Basic chemicals	Motor vehicles, trailers and semitrailer	Electrical equipment
		2015=100					
1990		104.7	119.8	153.4	92.6	83.0	93.0
1991		106.4	115.2	162.2	91.3	87.4	98.0
1992		104.8	110.4	153.9	95.6	91.6	98.5
1993		104.2	112.2	149.1	96.9	94.4	98.2
1994		108.8	112.5	152.3	103.5	97.3	108.4
1995		108.4	109.4	153.8	103.7	100.6	116.5
1996		108.1	113.1	143.2	106.0	103.5	114.2
1997		106.0	115.4	140.3	110.0	92.7	112.4
1998		91.1	92.6	100.1	103.2	61.8	89.9
1999		102.5	93.9	105.2	109.0	82.5	112.0
2000		104.9	99.4	116.0	110.2	79.7	103.3
2001		100.7	100.7	121.2	107.8	74.0	102.9
2002		104.7	101.1	133.1	110.9	78.0	108.6
2003		104.6	104.3	132.9	110.2	78.5	100.9
2004		107.6	106.0	118.2	110.0	82.1	101.7
2005		107.2	104.0	104.5	109.7	87.1	105.9
2006		107.4	103.6	106.4	110.5	90.4	106.4
2007		107.6	101.7	111.2	111.4	94.1	104.3
2008		104.2	102.3	104.9	102.9	87.8	102.1
2009		100.5	88.8	99.2	105.8	80.6	100.1
2010		108.2	99.8	91.9	109.8	95.2	109.4
2011		108.5	100.3	93.6	107.0	101.5	105.8
2012		105.5	100.1	93.5	106.1	98.0	102.9
2013		103.0	99.0	98.3	103.7	97.1	99.0
2014		102.0	102.4	92.3	101.8	98.5	99.0
2015		100.0	100.0	100.0	100.0	100.0	100.0
2016		98.2	99.9	107.0	103.6	94.2	102.2
2017		97.1	101.0	107.6	107.2	89.7	102.8
2016	11	103.0	101.7	124.1	103.4	106.4	112.9
	12	102.3	105.9	115.2	109.2	110.5	112.2
2017	1	92.7	97.8	85.1	110.8	83.2	93.3
	2	91.7	96.8	90.7	101.5	90.8	96.8
	3	103.3	102.2	125.5	109.8	104.8	108.0
	4	97.0	101.1	119.1	104.1	96.9	100.9
	5	98.4	103.9	125.2	107.1	91.7	101.7
	6	99.6	102.5	107.8	102.3	96.3	105.8
	7	98.3	104.3	99.8	108.3	94.3	100.1
	8	94.1	103.3	99.8	108.7	74.9	100.0
	9	101.9	101.5	117.7	107.8	93.4	111.5
	10	92.0	102.1	97.6	109.4	75.8	98.2
	11	100.2	96.1	117.9	104.3	96.6	114.7
	12	95.8	99.9	104.9	111.8	77.8	102.3
2018 ^o	1	95.0	102.2	77.3	112.0	85.1	94.9
	2	84.1	89.1	73.8	100.5	72.9	85.3
	3	98.9	98.9	117.4	106.4	95.3	98.7
	4	97.9	97.9	120.5	106.5	96.0	97.2
	5	100.2	101.5	125.6	110.1	95.3	99.1
	6	99.4	99.9	127.5	105.0	91.8	98.4
	7	98.8	102.2	113.1	109.0	85.9	96.8
	8	96.6	98.9	99.8	107.4	85.4	95.9
	9	93.6	93.5	102.7	106.1	82.0	91.9
	10	104.6	100.5	123.4	104.0	101.4	103.7
	11	102.3	98.4	122.8	100.0	103.6	106.9

자료: 통계청

Source: Statistics Korea

8.4. 투자활동지표

Investment activity indexes

	설비부문 Facility			건설부문 Construction			
	설비투자 Facility investment	설비용기계 내수출하 ¹ Domestic shipment index of machinery and equipment	국내수요기계 수주액 ¹ Value of domestic machinery orders received	건설기성액 ² Value of construction completed	국내 건설수주액 ² Value of domestic construction order received	건축허가면적 Permitted floor area for building construction	
	2010=100	2015=100		billion won		1,000 m ²	
1990	-	37.6	-	-	20,964	-	
1991	-	42.2	-	-	25,569	-	
1992	-	41.4	-	-	27,861	-	
1993	-	42.9	-	-	33,246	-	
1994	-	52.4	-	-	39,394	-	
1995	56.7	63.6	-	-	49,025	-	
1996	64.2	71.4	-	-	59,535	-	
1997	60.6	71.7	18,270	29,538	62,722	-	
1998	37.9	44.9	11,508	46,887	36,027	-	
1999	53.8	59.0	13,954	47,449	36,299	72,531	
2000	69.9	81.2	16,583	45,990	41,778	81,055	
2001	64.2	76.9	15,712	50,576	50,995	97,717	
2002	69.7	84.9	18,909	56,216	67,834	138,734	
2003	68.1	83.3	18,125	65,553	80,897	142,108	
2004	70.6	81.5	19,430	72,838	77,774	117,461	
2005	74.7	81.8	19,012	75,831	83,489	111,506	
2006	84.2	90.7	22,042	77,839	91,001	133,270	
2007	90.0	93.7	26,575	82,939	112,502	150,957	
2008	87.9	95.2	23,679	87,032	113,581	120,658	
2009	79.5	90.2	21,863	89,819	109,088	105,137	
2010	100.0	108.3	23,369	92,276	89,814	125,447	
2011	103.5	113.6	25,588	91,717	95,332	137,868	
2012	100.6	108.3	22,593	88,713	89,395	137,142	
2013	99.8	100.1	24,090	98,089	77,885	127,066	
2014	105.0	99.8	27,960	98,491	90,606	141,347	
2015	112.2	100.0	27,224	102,614	134,493	189,839	
2016	110.7	98.2	28,141	119,971	145,386	178,955	
2017	126.3	105.6	33,265	138,484	140,844	178,955	
2016	11	118.8	109.1	2,476.5	11,457.5	12,624.1	15,593.1
	12	138.0	132.9	3,549.3	13,959.0	19,548.4	15,801.3
2017	1	107.0	93.6	2,252.0	8,986.1	8,526.8	12,440.1
	2	108.5	99.2	2,581.6	9,593.1	12,349.6	12,593.1
	3	139.3	120.7	3,279.1	11,999.8	8,397.0	13,560.9
	4	127.0	110.3	2,892.2	11,228.7	14,646.7	13,604.3
	5	132.8	115.9	2,688.9	11,253.0	11,450.1	15,162.0
	6	143.7	125.9	3,375.5	13,080.0	12,578.0	16,447.9
	7	131.1	111.1	2,946.3	11,203.7	8,470.2	13,185.2
	8	123.5	106.5	2,472.9	11,103.9	12,744.7	13,564.3
	9	130.0	114.6	2,529.0	12,533.9	11,743.0	16,379.9
	10	105.0	94.9	2,476.7	10,829.2	8,258.3	13,581.9
	11	126.8	107.0	3,087.6	12,136.7	11,129.3	14,884.7
	12	141.4	114.0	2,683.6	14,536.3	20,550.7	16,471.1
2018 ^p	1	130.0	104.3	2,763,598.0	10,692.7	11,885.1	12,875.9
	2	118.8	95.4	2,374,519.0	9,827.5	7,946.4	12,874.1
	3	139.4	113.5	3,336,966.0	11,739.2	10,509.2	14,284.5
	4	129.0	108.5	3,083,589.0	11,524.7	9,208.8	14,377.1
	5	128.2	111.8	2,929,354.0	11,433.2	12,670.3	13,110.5
	6	122.6	113.4	2,951,564.0	12,834.2	10,714.2	14,450.6
	7	117.8	107.0	2,771,239.0	10,996.9	10,610.4	16,458.2
	8	109.5	98.8	2,647,987.0	10,923.3	9,251.3	11,335.2
	9	105.0	99.3	2,524,499.0	10,884.4	11,221.2	10,943.6
	10	115.5	104.5	2,687,895.0	10,979.9	9,843.6	12,073.4
	11	115.0	108.8	2,490,215.0	11,269.3	11,587.6	14,096.3

2. 경상금액
자료: 통계청

2. Current Account
Source: Statistics Korea

8.5. 국제수지

Balance of payments

	수출 Exports	수입 Imports	경상수지 Current account	million US\$				자본수지 Capital account	
				상품수지 Goods	서비스수지 Services	본원소득수지 Primary income	이전소득수지 Secondary income		
1990	65,016	69,844	-2,804	-3,689	501	-548	932	-	
1991	71,870	81,525	-8,034	-7,153	-1,013	-607	740	-	
1992	76,632	81,775	-2,901	-1,440	-1,832	-534	905	-	
1993	82,236	83,800	1,688	2,683	-1,019	-742	767	-	
1994	96,013	102,348	-4,794	-3,861	-572	-1,175	814	-	
1995	125,058	135,119	-10,230	-7,004	-1,395	-2,122	291	-	
1996	129,715	150,339	-24,461	-17,347	-4,632	-2,215	-268	-	
1997	136,164	144,616	-10,812	-6,745	-1,244	-3,167	345	-	
1998	132,313	93,282	40,113	39,614	2,881	-5,201	2,819	442	
1999	143,685	119,752	21,785	25,446	1,042	-5,537	833	56	
2000	172,268	160,481	10,181	15,393	-846	-4,152	-214	38	
2001	150,439	141,098	2,165	9,407	-2,266	-3,714	-1,261	-64	
2002	162,471	152,126	4,066	14,414	-5,826	-2,407	-2,114	-9	
2003	193,817	178,827	11,308	22,138	-4,845	-2,820	-3,165	-48	
2004	253,845	224,463	29,290	39,173	-5,050	-1,794	-3,038	10	
2005	284,419	261,238	12,209	32,493	-8,984	-8,041	-3,258	-1	
2006	325,465	309,383	2,095	24,515	-13,040	-4,998	-4,382	-69	
2007	371,489	356,846	10,473	32,436	-13,040	-4,537	-4,387	6	
2008	422,007	435,275	1,753	11,746	-6,311	-2,416	-1,267	26	
2009	363,534	323,085	33,088	48,056	-9,338	-3,436	-2,195	-70	
2010	466,384	425,212	27,951	47,932	-13,973	-693	-5,317	-63	
2011	555,214	524,413	16,638	28,014	-12,057	5,396	-4,716	-112	
2012	547,870	519,584	48,791	48,589	-5,058	10,733	-5,474	-42	
2013	559,632	515,586	77,259	80,259	-6,329	7,518	-4,189	-27	
2014	572,665	525,515	83,030	86,145	-3,290	5,159	-4,985	-9	
2015	526,757	436,499	105,119	120,275	-14,626	4,455	-4,985	-60	
2016	495,426	406,193	97,924	116,462	-17,338	4,567	-5,767	-46	
2017	573,694	478,478	75,231	113,593	-36,734	5,337	-6,965	-27	
2016	11	45,309	37,241	7,873	9,453	-1,703	338	-215	-35
2016	12	45,069	38,304	7,362	8,703	-655	-104	-582	-4
2017	1	40,257	37,645	3,402	6,688	-4,175	1,207	-318	43
2017	2	43,167	36,203	7,439	9,432	-2,198	755	-551	-2
2017	3	48,638	42,579	5,140	8,580	-3,020	-402	-17	-2
2017	4	50,844	37,959	3,184	10,926	-2,494	-4,670	-578	-26
2017	5	44,927	39,288	4,262	7,676	-2,807	36	-643	-2
2017	6	51,272	40,551	7,009	8,702	-2,810	1,527	-411	-32
2017	7	48,830	38,607	7,467	9,921	-3,305	1,535	-683	17
2017	8	47,106	40,550	6,139	8,647	-2,309	592	-791	-22
2017	9	55,115	41,696	12,338	14,523	-3,003	1,814	-996	-1
2017	10	44,791	37,857	6,890	9,418	-3,603	1,547	-473	-7
2017	11	49,707	42,014	7,474	11,166	-3,304	273	-660	39
2017	12	49,040	43,529	4,487	7,916	-3,707	1,124	-845	-31
2018 ^o	1	49,221	45,805	2,645	7,550	-4,442	1,158	-1,622	-7
2018 ^o	2	44,524	41,722	3,905	5,571	-2,613	1,445	-498	-13
2018 ^o	3	51,310	44,898	5,104	9,411	-2,260	-1,290	-757	-1
2018 ^o	4	49,850	43,694	1,356	9,620	-1,978	-5,623	-664	-65
2018 ^o	5	50,688	44,459	8,435	10,785	-2,085	479	-745	3
2018 ^o	6	51,079	45,000	7,458	9,541	-2,423	923	-583	-8
2018 ^o	7	51,810	44,917	8,552	10,789	-3,093	1,535	-679	-7
2018 ^o	8	51,180	44,361	8,550	10,922	-2,044	319	-647	-5
2018 ^o	9	50,650	41,033	11,013	13,007	-2,474	971	-492	73
2018 ^o	10	54,860	48,481	9,349	10,655	-2,180	1,328	-453	83
2018 ^o	11	51,480	46,808	5,224	7,486	-2,198	491	-555	-10

자료: 한국은행

Source: Bank of Korea.

8.6. 자동차 등록대수

Motor vehicle registration

	총대수 Total	용도별 By use		유종별 By fuel type						
		영업용 Commercial	비영업용 Non-Commercial	휘발유 Gasoline	경유 Diesel	LPG	CNG	하이브리드 Hybrid	전기 Electricity	
1,000 unit										
1990	3,395	322	3,073	-	-	-	-	-	-	
1991	4,248	-	4,248	-	-	-	-	-	-	
1992	5,231	-	5,231	-	-	-	-	-	-	
1993	6,274	-	6,274	-	-	-	-	-	-	
1994	7,404	417	6,987	-	-	-	-	-	-	
1995	8,469	449	8,020	-	-	-	-	-	-	
1996	9,553	480	9,073	-	-	-	-	-	-	
1997	10,413	503	9,910	-	-	-	-	-	-	
1998	10,470	511	9,959	-	-	-	-	-	-	
1999	11,164	564	10,600	-	-	-	-	-	-	
2000	12,059	620	11,439	7,214	3,594	1,214	-	-	-	
2001	12,914	669	12,246	7,417	4,030	1,428	-	-	-	
2002	13,949	723	13,226	7,673	4,607	1,625	-	-	-	
2003	14,587	751	13,836	7,761	5,055	1,723	1	-	-	
2004	14,934	767	14,167	7,761	5,385	1,794	5	-	-	
2005	15,397	784	14,613	7,800	5,650	1,890	9	-	-	
2006	15,895	817	15,078	7,916	5,869	2,047	12	-	-	
2007	16,428	871	15,557	8,085	6,087	2,187	15	-	-	
2008	16,794	911	15,883	8,257	6,137	2,321	20	4	-	
2009	17,325	930	16,395	8,556	6,285	2,391	25	5	-	
2010	17,941	974	16,967	8,907	6,483	2,444	29	7	-	
2011	18,437	1,011	17,426	9,170	6,705	2,429	32	23	-	
2012	18,871	1,052	17,818	9,276	7,002	2,415	37	57	1	
2013	19,401	1,126	18,275	9,400	7,396	2,392	40	85	1	
2014	20,118	1,213	18,905	9,587	7,939	2,337	40	119	3	
2015	20,990	1,290	19,700	9,809	8,622	2,257	40	156	6	
2016	21,803	1,378	20,426	10,092	9,170	2,167	39	215	11	
2017	22,528	1,458	21,070	10,370	9,576	2,105	39	296	25	
2016	11	21,744	1,371	20,373	10,069	9,134	2,176	39	209	9
	12	21,803	1,378	20,426	10,092	9,170	2,167	39	215	11
2017	1	21,897	1,383	20,515	10,133	9,221	2,164	39	220	12
	2	21,934	1,386	20,549	10,150	9,241	2,158	39	224	12
	3	21,994	1,391	20,603	10,178	9,271	2,152	39	230	13
	4	22,062	1,400	20,662	10,205	9,307	2,150	39	227	14
	5	22,119	1,407	20,712	10,225	9,340	2,145	39	242	15
	6	22,189	1,416	20,772	10,251	9,377	2,141	39	251	16
	7	22,255	1,427	20,827	10,274	9,414	2,137	39	259	17
	8	22,302	1,433	20,870	10,290	9,446	2,129	39	265	18
	9	22,375	1,440	20,935	10,315	9,488	2,124	39	273	20
	10	22,417	1,444	20,973	10,332	9,512	2,118	39	278	21
	11	22,485	1,452	21,033	10,357	9,549	2,113	39	288	23
	12	22,528	1,458	21,070	10,370	9,576	2,105	39	296	25
2018 ^p	1	22,602	1,466	21,136	10,401	9,616	2,098	39	303	26
	2	22,639	1,473	21,166	10,421	9,631	2,093	39	309	27
	3	22,694	1,480	21,214	10,446	9,656	2,087	39	317	29
	4	22,759	1,488	21,271	10,473	9,691	2,082	39	323	31
	5	22,817	1,497	21,320	10,491	9,726	2,076	39	331	33
	6	22,882	1,507	21,375	10,510	9,765	2,071	39	338	37
	7	22,944	1,521	21,423	10,529	9,802	2,066	39	345	40
	8	22,990	1,538	21,452	10,545	9,829	2,060	39	351	43
	9	23,043	1,547	21,496	10,567	9,854	2,055	39	357	46
	10	23,091	1,553	21,539	10,589	9,874	2,049	39	366	50
	11	23,156	1,562	21,594	10,613	9,904	2,043	39	377	54

자료: 국토교통부

Source: Ministry of Land, Infrastructure and Transport

8.7. 냉난방도일

Heating and cooling degree-days

		평균기온 Average temperature °C	난방도일 Heating degree day	냉방도일 Cooling degree day
1990		12.8	2,557.6	673.8
1991		12.3	2,748.9	704.0
1992		12.5	2,636.2	623.6
1993		12.0	2,723.7	564.6
1994		13.5	2,510.8	909.3
1995		12.2	2,738.9	646.3
1996		12.2	2,843.9	742.3
1997		12.9	2,625.4	784.6
1998		13.8	2,322.9	803.0
1999		13.2	2,560.3	829.1
2000		12.7	2,758.5	823.7
2001		12.8	2,721.0	844.8
2002		12.9	2,545.8	689.5
2003		12.8	2,509.4	636.8
2004		13.3	2,467.4	766.1
2005		12.1	2,889.5	750.4
2006		13.0	2,524.1	721.7
2007		13.3	2,483.2	761.4
2008		12.9	2,589.0	745.9
2009		12.9	2,585.4	743.4
2010		12.1	2,953.4	814.8
2011		12.0	2,882.6	722.6
2012		12.2	2,967.7	870.0
2013		12.5	2,908.0	908.9
2014		13.4	2,501.6	822.7
2015		13.6	2,459.1	861.1
2016		13.6	2,589.7	976.7
2017		13.0	2,687.6	889.4
2016	11	6.8	336.8	0.0
	12	1.2	519.4	0.0
2017	1	-1.8	614.7	0.0
	2	-0.2	510.9	0.0
	3	6.3	361.9	0.0
	4	13.9	124.0	2.0
	5	19.5	14.2	60.5
	6	23.3	0.4	158.6
	7	26.9	0.0	276.6
	8	25.9	0.0	245.4
	9	22.1	0.6	123.7
	10	16.4	71.9	22.6
	11	5.6	371.2	0.0
	12	-1.9	617.8	0.0
2018 ^p	1	-4.0	681.3	0.0
	2	-1.6	550.1	0.0
	3	8.1	307.5	0.0
	4	13.0	153.1	2.7
	5	18.2	32.3	37.5
	6	23.1	0.0	154.1
	7	27.8	0.0	303.7
	8	28.8	0.0	333.6
	9	21.5	1.5	106.4
	10	13.1	154.6	1.3
	11	7.8	306.2	0.0

자료: 기상청

Source: Korea Meteorological Administration

8.8. 도시가구 가계수지

Average income and expenditure per household in cities

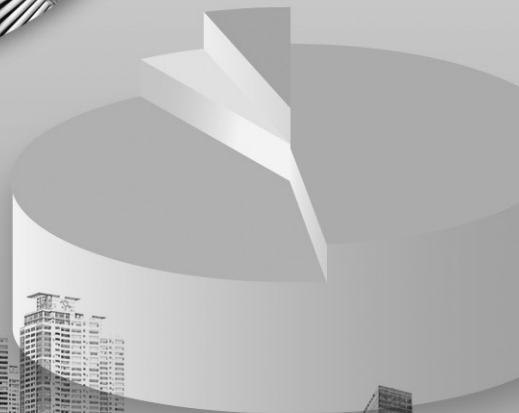
	도시가구 Household in cities				도시근로자 가구 Household for urban salary and wage earner's households				
	소득 Income	소비지출 Consumption expenditure	교통 Transport	연료비 Fuel expenses	소득 Income	소비지출 Consumption expenditure	교통 Transport	연료비 Fuel expenses	
	1,000 won								
1990	938	603	48	22	945	579	47	21	
1991	1,148	719	59	25	1,163	694	58	23	
1992	1,338	826	70	29	1,359	804	72	27	
1993	1,445	896	85	33	1,472	872	85	32	
1994	1,658	1,009	106	35	1,686	991	113	33	
1995	1,871	1,125	123	40	1,898	1,100	129	39	
1996	2,096	1,269	142	47	2,149	1,251	155	45	
1997	2,211	1,330	158	53	2,269	1,306	164	51	
1998	1,968	1,177	137	59	2,138	1,181	147	58	
1999	2,032	1,334	167	61	2,235	1,355	183	59	
2000	2,221	1,484	186	70	2,388	1,491	194	68	
2001	2,426	1,600	192	75	2,658	1,628	208	72	
2002	2,592	1,670	202	75	2,835	1,697	209	73	
2003	2,712	1,757	203	77	2,931	1,793	216	75	
2004	2,868	1,849	214	80	3,112	1,897	229	78	
2005	2,973	1,926	229	85	3,252	1,991	244	83	
2006	3,117	1,997	246	88	3,444	2,071	262	86	
2007	3,283	2,073	253	90	3,656	2,164	280	87	
2008	3,489	2,180	266	96	3,901	2,309	294	94	
2009	3,469	2,180	266	98	3,853	2,310	291	97	
2010	3,670	2,313	269	109	4,008	2,435	294	108	
2011	3,894	2,404	284	111	4,249	2,531	304	109	
2012	4,127	2,485	299	117	4,492	2,622	327	116	
2013	4,203	2,507	306	118	4,606	2,655	334	116	
2014	4,335	2,567	331	111	4,735	2,724	365	109	
2015	4,405	2,577	317	116	4,817	2,723	336	124	
2016	4,427	2,573	304	108	4,884	2,740	331	115	
2015	2/4	4,304	2,510	308	117	4,666	2,641	325	123
	3/4	4,440	2,580	310	121	4,883	2,732	329	128
	4/4	4,335	2,553	343	113	4,717	2,676	349	120
2016	1/4	4,591	2,680	308	106	5,173	2,883	335	115
	2/4	4,343	2,528	324	106	4,749	2,679	351	113
	3/4	4,464	2,602	300	111	4,949	2,771	329	120
	4/4	4,336	2,493	287	109	4,795	2,655	312	119
2017	1/4	4,665			5,318				
	2/4	4,380			4,734				
	3/4	4,581			5,068				
	4/4	4,472			4,891				
2018 ^o	1/4	4,855			5,670				
	2/4	4,619			5,168				
	3/4	4,844			5,495				

자료: 통계청

Source: Statistics Korea

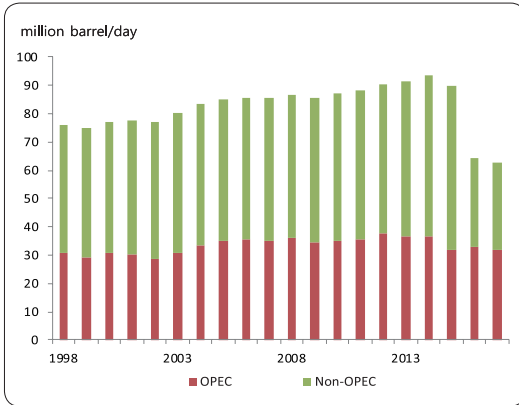
9. 해외 에너지

World energy

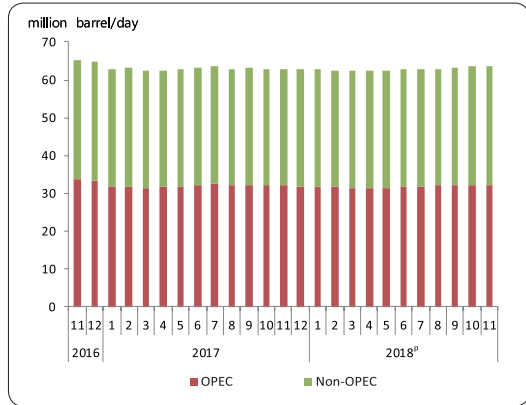


□ 세계 원유 생산 World crude oil production

<1998~2017>

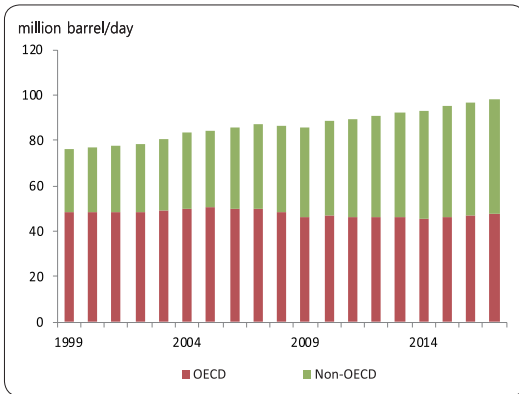


<월별 Monthly>

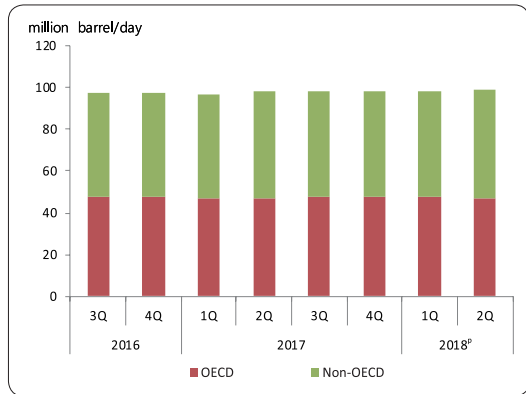


□ 세계 석유 수요 World oil demand

<1998~2017>

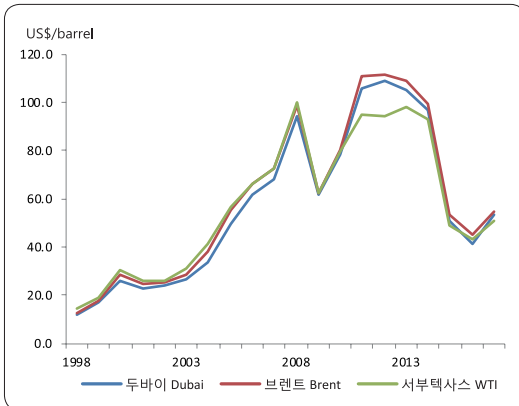


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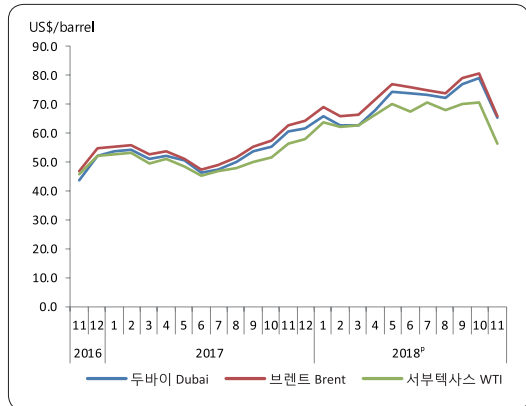


□ 국제 석유 가격 International oil price

<1998~2017>



<월별 Monthly>



9.1.1 세계 원유 생산: OPEC

World crude oil production: OPEC members

		OPEC ¹	사우디아라비아 ²	이란	이라크	쿠웨이트 ²	아랍에미레이트	베네주엘라	나이지리아
		Total	Saudi Arabia	Iran	Iraq	Kuwait	UAE	Venezuela	Nigeria
		Million barrel/day							
1998		30.59	8.37	3.63	2.11	2.09	2.30	3.12	2.11
1999		29.24	7.78	3.50	2.52	1.91	2.07	2.78	1.95
2000		30.77	8.28	3.68	2.57	2.04	2.24	2.89	2.04
2001		30.28	7.98	3.70	2.36	2.00	2.16	2.81	2.08
2002		28.80	7.65	3.40	2.01	1.87	1.99	2.44	1.97
2003		30.84	8.78	3.78	1.32	2.17	2.29	2.26	2.15
2004		33.29	8.90	3.93	1.99	2.35	2.35	2.52	2.32
2005		35.08	9.35	3.88	1.81	2.42	2.46	2.79	2.41
2006		35.38	9.22	3.91	1.90	2.50	2.62	2.73	2.25
2007		35.25	8.76	3.99	2.09	2.44	2.52	2.74	2.13
2008		36.35	9.21	3.90	2.38	2.60	2.59	2.78	1.95
2009		34.39	8.18	3.74	2.43	2.28	2.27	2.67	1.82
2010		34.84	8.18	3.71	2.36	2.30	2.31	2.54	2.07
2011		35.80	9.35	3.62	2.67	2.53	2.51	2.50	2.04
2012		37.62	9.78	3.00	2.95	2.74	2.65	2.50	2.01
2013		36.71	9.66	2.68	3.08	2.81	2.76	2.50	1.84
2014		36.76	9.72	2.81	3.34	2.79	2.77	2.46	1.85
2015		31.84	10.16	2.85	4.00	2.79	2.95	2.46	1.77
2016		33.01	10.42	3.55	4.42	2.88	3.05	2.24	1.47
2017		32.01	9.96	3.81	4.47	2.71	2.93	1.97	1.53
2016	11	33.87	10.64	3.80	4.65	2.83	3.15	2.12	1.53
	12	33.48	10.45	3.78	4.68	2.81	3.18	2.10	1.39
2017	1	31.73	9.77	3.80	4.50	2.71	3.01	2.09	1.43
	2	31.86	9.98	3.81	4.44	2.71	2.94	2.09	1.45
	3	31.51	9.91	3.79	4.45	2.70	2.92	2.07	1.30
	4	31.67	9.96	3.77	4.49	2.71	2.94	2.06	1.38
	5	31.96	9.90	3.81	4.50	2.72	2.93	2.05	1.53
	6	32.25	10.05	3.79	4.51	2.71	2.93	2.03	1.57
	7	32.50	10.03	3.81	4.48	2.70	2.95	2.03	1.60
	8	32.30	9.96	3.84	4.47	2.70	2.94	1.99	1.66
	9	32.29	9.97	3.86	4.49	2.71	2.93	1.94	1.61
	10	32.14	10.05	3.78	4.41	2.70	2.93	1.86	1.60
	11	32.01	9.95	3.85	4.45	2.71	2.90	1.78	1.58
	12	31.86	9.97	3.83	4.49	2.70	2.87	1.61	1.61
2018 ^p	1	31.83	9.98	3.80	4.46	2.70	2.85	1.61	1.68
	2	31.79	9.96	3.85	4.46	2.70	2.80	1.55	1.68
	3	31.53	9.92	3.85	4.44	2.70	2.87	1.47	1.62
	4	31.42	9.92	3.85	4.41	2.71	2.87	1.44	1.59
	5	31.49	10.03	3.85	4.47	2.70	2.87	1.43	1.47
	6	31.75	10.46	3.83	4.56	2.72	2.90	1.42	1.46
	7	31.73	10.35	3.78	4.61	2.80	2.98	1.34	1.53
	8	32.16	10.42	3.62	4.66	2.80	2.98	1.32	1.67
	9	32.24	10.52	3.44	4.67	2.78	3.05	1.32	1.65
	10	32.36	10.64	3.32	4.65	2.76	3.22	1.30	1.65
	11	32.37	11.06	2.97	4.60	2.77	3.32	1.30	1.61

2. 중립지대 지분 포함.
자료: IEA, Oil market report

2. Include the Neutral zone
Source: IEA, Oil market report

9.1.2 세계 원유 생산: 비OPEC

World crude oil production: Non-OPEC and world

		세계 ¹	비OPEC ¹	미국	캐나다	러시아	중국	멕시코	브라질
		World	Non-OPEC	USA	Canada	Russia	China	Mexico	Brazil
		Million barrel/day							
1998		76.03	45.44	8.28	2.66	6.07	3.22	3.52	1.00
1999		74.76	45.53	8.02	2.61	6.10	3.20	3.37	1.13
2000		77.32	46.55	8.02	2.72	6.53	3.26	3.45	1.27
2001		77.52	47.24	7.94	2.73	7.06	3.29	3.57	1.34
2002		77.32	48.53	7.90	2.86	7.74	3.35	3.59	1.50
2003		80.27	49.43	7.61	3.00	8.58	3.40	3.80	1.55
2004		83.45	50.16	7.45	3.08	9.37	3.52	3.83	1.54
2005		84.79	49.70	7.08	3.04	9.64	3.64	3.77	1.70
2006		85.47	50.10	6.99	3.21	9.85	3.71	3.69	1.81
2007		85.64	50.39	7.02	3.31	10.09	3.74	3.48	1.83
2008		86.58	50.24	6.92	3.24	10.00	3.81	3.17	1.90
2009		85.40	51.01	7.42	3.20	10.15	3.81	2.98	2.03
2010		87.11	52.27	7.75	3.33	10.39	4.08	2.96	2.14
2011		88.11	52.31	8.07	3.53	10.54	4.10	2.95	2.20
2012		90.53	52.90	9.11	3.74	10.62	4.18	2.92	2.16
2013		91.24	54.53	10.29	4.00	10.79	4.18	2.89	2.12
2014		93.72	56.96	12.00	4.28	10.90	4.25	2.81	2.35
2015		96.49	58.08	12.99	4.39	11.09	4.27	2.60	2.53
2016		96.89	31.06	12.51	4.47	11.33	3.98	2.47	2.61
2017		97.40	30.93	13.27	4.82	11.32	3.87	2.23	2.74
2016	11	98.83	31.39	12.58	5.01	11.58	3.91	2.38	2.73
	12	97.67	31.45	12.37	4.79	11.58	3.95	2.34	2.85
2017	1	96.31	31.16	12.33	4.96	11.45	3.86	2.33	2.81
	2	97.11	31.22	12.88	5.00	11.45	3.94	2.33	2.79
	3	96.53	30.90	13.01	4.77	11.39	3.92	2.33	2.65
	4	96.23	30.82	12.94	4.35	11.32	3.91	2.31	2.66
	5	96.99	30.87	13.09	4.49	11.28	3.86	2.32	2.77
	6	97.52	31.03	13.06	4.52	11.27	3.98	2.31	2.80
	7	98.36	31.01	13.22	4.81	11.28	3.86	2.28	2.74
	8	97.56	30.57	13.14	4.98	11.25	3.80	2.20	2.68
	9	97.60	30.84	13.31	4.79	11.26	3.82	2.00	2.77
	10	98.14	30.86	13.85	4.78	11.28	3.82	2.17	2.75
	11	98.63	31.02	14.27	5.11	11.30	3.88	2.11	2.71
	12	97.82	30.94	14.09	5.22	11.32	3.82	2.11	2.74
2018 ^o	1	98.08	30.94	14.00	5.07	11.30	3.86	2.20	2.73
	2	98.15	30.73	14.34	5.24	11.30	3.70	2.16	2.73
	3	98.60	30.93	14.80	5.26	11.31	3.82	2.12	2.68
	4	98.49	30.93	14.91	4.90	11.30	3.84	2.15	2.72
	5	98.92	30.94	15.05	5.04	11.30	3.83	2.12	2.72
	6	99.87	31.20	15.22	4.97	11.39	3.93	2.10	2.71
	7	100.55	31.12	15.54	5.18	11.54	3.81	2.09	2.69
	8	101.21	30.82	16.12	5.47	11.54	3.84	2.06	2.62
	9	100.91	31.04	16.27	5.02	11.70	3.77	2.07	2.58
	10	101.74	31.25	16.29	5.35	11.75	3.87	1.99	2.72
	11	102.07	31.44	16.62	5.39	11.70	3.87	1.94	2.67

자료: IEA, Oil market report

Source: IEA, Oil market report

9.2. 세계 석유 수요

World oil demand

	세계 World	OECD				비OECD								
		OECD	아메리카	유럽	아시아· 오세아니아	Non- OECD	구소련	유럽	중국	기타 아시아	중남미	중동	아프리카	
			Americas	Europe	Asia-Oceania		FSU	Europe	China	Other Asia	Latin America	Middle East	Africa	
million barrel/day														
1999	76.4	48.5	24.1	15.4	8.9	27.9	3.7	0.6	4.3	7.5	4.7	4.6	2.5	
2000	77.2	48.5	24.3	15.3	8.9	28.7	3.8	0.6	4.6	7.7	4.8	4.7	2.5	
2001	77.9	48.6	24.3	15.5	8.8	29.3	3.8	0.6	4.8	7.9	4.8	4.9	2.6	
2002	78.6	48.5	24.4	15.4	8.7	30.1	3.8	0.6	5.1	8.1	4.7	5.1	2.6	
2003	80.2	49.3	24.8	15.5	8.9	30.9	3.9	0.7	5.6	8.3	4.6	5.2	2.7	
2004	83.2	50.1	25.7	15.6	8.8	33.1	3.9	0.7	6.5	8.9	4.9	5.5	2.8	
2005	84.6	50.4	25.8	15.7	8.8	34.1	3.9	0.7	6.7	8.9	5.1	5.9	2.9	
2006	85.6	50.2	25.7	15.7	8.8	35.4	4.1	0.7	7.2	9.2	5.2	6.1	2.9	
2007	87.1	50.1	25.9	15.5	8.6	37.1	4.1	0.7	7.6	9.8	5.3	6.4	3.1	
2008	86.5	48.4	24.6	15.5	8.3	38.1	4.2	0.7	7.8	9.6	5.7	6.9	3.3	
2009	85.6	46.3	23.7	14.7	7.9	39.3	4.0	0.7	7.9	10.2	5.7	7.2	3.5	
2010	88.7	47.0	24.2	14.7	8.1	41.7	4.2	0.7	9.0	10.9	6.1	7.3	3.6	
2011	89.5	46.4	24.0	14.3	8.1	43.1	4.5	0.7	9.4	11.2	6.2	7.5	3.6	
2012	90.7	45.9	23.6	13.8	8.5	44.8	4.6	0.7	9.9	11.4	6.5	7.8	3.8	
2013	91.9	46.0	24.1	13.6	8.3	45.9	4.7	0.7	10.3	11.8	6.7	7.9	3.9	
2014	92.8	45.7	24.1	13.5	8.1	47.1	4.9	0.7	10.6	12.0	6.8	8.0	4.0	
2015	95.0	46.4	24.6	13.7	8.0	48.6	4.6	0.7	11.5	12.5	6.8	8.4	4.1	
2016	96.4	47.0	24.9	14.0	8.1	49.4	4.5	0.7	12.0	13.0	6.4	8.5	4.3	
2017	97.9	47.4	25.1	14.3	8.1	50.5	4.5	0.7	12.6	13.4	6.5	8.5	4.3	
2015 2Q	94.1	45.4	24.2	13.6	7.6	48.7	4.9	0.7	11.4	12.5	6.8	8.3	4.1	
3Q	95.8	46.7	24.8	14.2	7.7	49.1	5.1	0.7	11.5	12.3	6.9	8.6	4.0	
4Q	95.5	46.4	24.5	13.7	8.2	49.1	5.0	0.7	11.5	12.8	6.8	8.1	4.2	
2016 1Q	95.6	46.7	24.5	13.7	8.5	48.9	4.6	0.7	11.8	13.1	6.5	8.0	4.2	
2Q	95.9	46.0	24.4	14.0	7.6	49.9	4.6	0.7	12.1	13.1	6.7	8.5	4.2	
3Q	97.2	47.3	25.0	14.5	7.8	49.9	4.9	0.7	11.8	12.7	6.8	8.9	4.1	
4Q	97.7	47.3	24.8	14.2	8.3	50.4	5.0	0.7	12.0	13.5	6.7	8.3	4.2	
2017 1Q	96.6	46.7	24.4	13.9	8.4	49.9	4.7	0.7	12.2	13.5	6.5	8.1	4.2	
2Q	97.8	47.0	25.0	14.2	7.8	50.8	4.8	0.7	12.7	13.4	6.6	8.4	4.2	
3Q	97.8	47.4	25.0	14.6	7.8	50.4	5.0	0.7	12.1	13.0	6.7	8.8	4.1	
4Q	98.3	47.6	25.1	14.2	8.3	50.7	4.9	0.8	12.3	13.6	6.6	8.2	4.3	
2018 ^p 1Q	98.3	47.9	25.3	14.1	8.5	50.4	4.6	0.7	12.7	13.7	6.4	7.9	4.4	
2Q	98.7	47.1	25.2	14.3	7.6	51.6	4.8	0.8	13.0	13.9	6.4	8.4	4.3	

자료: 한국석유공사

Source: Korea National Oil Corporation

9.3. 국제 석유 가격

International oil price

		OPEC 바스켓 OPEC Basket	아랍라이트 Arab Light	두바이 ¹ Dubai	브렌트 ¹ Brent	서부텍사스 ¹ WTI	오만 ¹ Oman
		US\$/barrel					
1990		21.3	20.7	20.5	-	-	20.8
1991		17.7	17.4	16.6	-	-	17.1
1992		17.8	17.9	17.2	-	-	17.7
1993		15.6	15.7	14.9	-	-	15.8
1994		15.5	15.4	14.8	-	-	15.3
1995		16.9	16.8	16.1	-	-	16.4
1996		20.3	19.8	18.6	-	-	19.3
1997		18.8	18.8	18.2	-	-	18.6
1998		12.3	12.3	12.2	12.3	14.4	12.1
1999		17.5	17.4	17.3	17.8	19.2	17.4
2000		27.6	26.8	26.3	28.5	30.2	26.8
2001		23.2	23.1	22.8	25.0	26.0	22.9
2002		24.5	24.3	23.9	25.1	26.1	24.1
2003		28.2	27.8	26.8	28.5	31.0	27.4
2004		36.0	34.5	33.7	38.0	41.5	34.4
2005		50.7	50.2	49.6	55.3	56.7	50.6
2006		61.1	61.0	61.6	66.1	66.3	62.7
2007		69.1	69.1	68.3	72.7	72.4	68.8
2008		94.5	94.8	94.3	98.5	99.8	95.0
2009		61.1	61.2	61.9	62.7	62.1	62.2
2010		77.5	77.8	78.1	80.3	79.6	78.4
2011		107.5	107.9	106.0	110.9	95.1	106.7
2012		109.5	110.3	109.0	111.7	94.2	109.3
2013		105.9	106.6	105.3	108.7	98.1	105.5
2014		96.3	97.1	96.6	99.5	92.9	96.8
2015		49.5	49.9	50.7	53.6	48.8	51.1
2016		40.8	40.9	41.4	45.1	43.5	42.1
2017		52.4	53.0	53.2	54.7	50.9	53.5
2016	11	43.3	43.2	43.9	47.1	45.8	44.6
	12	51.9	51.7	52.1	54.9	52.2	52.9
2017	1	52.4	52.3	53.7	55.5	52.6	54.3
	2	53.4	53.6	54.4	56.0	53.5	55.0
	3	50.3	50.7	51.2	52.5	49.7	51.8
	4	51.3	51.6	52.3	53.8	51.1	52.9
	5	49.2	49.3	50.7	51.4	48.5	50.5
	6	49.2	49.3	46.5	47.6	45.2	46.8
	7	46.9	47.1	47.6	49.2	46.7	48.1
	8	49.6	49.6	50.2	51.9	48.1	50.8
	9	53.4	53.3	53.7	55.5	49.9	53.7
	10	55.5	55.7	55.5	57.7	51.6	55.6
	11	60.7	61.1	60.8	62.9	56.7	60.8
	12	62.1	62.5	61.6	64.1	58.0	61.7
2018 ^o	1	66.9	67.4	66.2	69.1	63.7	67.0
	2	63.5	64.0	62.7	65.7	62.2	63.2
	3	63.8	64.4	62.7	66.7	62.8	63.2
	4	68.4	68.9	68.3	71.8	66.3	68.3
	5	74.1	74.7	74.4	77.0	70.0	74.5
	6	73.2	74.3	73.6	75.9	67.3	73.7
	7	73.3	74.2	73.1	75.0	70.6	73.2
	8	72.3	73.4	72.5	73.8	67.9	72.7
	9	77.2	78.2	77.2	79.1	70.1	77.8
	10	79.4	80.0	79.4	80.6	70.8	80.1
	11	65.3	66.4	65.6	66.0	56.7	65.9

자료: OPEC, 석유공사

Source: OPEC, Korea National Oil Corporation

부록

Appendix



- 냉난방도일(Heating/Cooling Degree-Days) : 일평균 온도와 기준온도 18℃와의 차이를 일별로 누적한 값. 일평균 온도가 기준온도보다 높은 경우 냉방도일로, 낮은 경우는 난방도일로 계산
- 비에너지유(Non-Energy Use) : 납사, 용제, 아스팔트를 포함
- 에너지유(Energy Use) : 휘발유, 등유, 경유, 벙커유, 제트유를 포함
- 재고증감(Stock Change) : 생산자, 수입자 및 에너지전환 산업체의 재고의 증감을 나타내며, 최종소비자의 재고는 제외
- 중유(Residual Fuel Oil) : 중질 연료유로 중유(벙커유)가 이에 해당
- BPSD(Barrel per Stream Day) : 석유정제설비의 능력을 표시하는 단위로서, 연간 처리량을 가동일수로 나눈 값임
- C & F(Cost and Freight) : FOB가격에 수송비를 포함
- CIF(Cost, Insurance and Freight) : C & F가격에 보험료를 포함하며, 주로 수입가에 적용함
- FOB(Free on Board) : 본선인도가격으로 수출가격 기준으로 주로 적용함
- LNG(Liquefied Natural Gas) : 수송 및 저장이 용이하도록 압축 또는 냉각으로 액화된 천연가스
- LPG(Liquefied Petroleum Gas) : 액화석유가스로 정제공정 및 원유 안정화 공정에서 생산한 파라핀계의 탄화수소물로, 주성분은 프로판, 부탄 또는 이들 두가지의 혼합물로 구성
- NGL(Natural Gas Liquid) : 액화탄화수소물로서 천연가스의 제조·정제 및 안정화 공정에서 생산되며, 주성분으로 에탄, 프로판, 부탄, 천연가솔린, 콘덴세이트 및 소량의 비탄화수소물을 포함
- toe(ton of oil equivalent) : 원유 1톤이 가지고 있는 열량으로 10⁷ Kcal임

에너지경제연구원 회원 제도 안내

구분	연회비	제 공 자 료 (발행주기)	특 기 사 항
일반 회원	50만원	<ul style="list-style-type: none"> 에너지통계월보 (월간) 에너지통계연보(연간) 에너지포커스(계간) 지역에너지통계연보(연간) Korea Energy Review Monthly(월간) Energy Info. Korea(연간) 	<ul style="list-style-type: none"> 본 연구원 주최 주요 학술세미나 및 정책토론회 초청 에너지 및 자원분야 의문사항에 대한 해당분야 전문가 소개
에너지포럼 회원	100만원	<ul style="list-style-type: none"> 에너지통계월보 (월간) 에너지통계연보(연간) 에너지포커스(계간) 에너지수요전망 보고서(분기) 정책연구보고서(부정기) 지역에너지통계연보(연간) 국가에너지기본계획 보고서(5년) 세미나 자료(부정기) Korea Energy Review Monthly(월간) Energy Info. Korea(연간) 	<ul style="list-style-type: none"> 인터넷 포럼회원 전용자료실을 통한 에너지 및 자원정보 제공(회원ID 및 부여) 본 연구원 주최 주요 학술세미나 및 정책토론회 초청 에너지 및 자원분야 의문사항에 대한 해당분야 전문가 소개
on-line 자료		<ul style="list-style-type: none"> 세계에너지시장 인사이트(주간) 	

▪ 가입 문의 : 대외협력홍보팀 (052-714-2297)

1. 연회비 (발송비 포함)

- 일반회원(국내) : 500,000원
- 일반회원(국외) : \$2,000
- 에너지포럼회원(국내) : 1,000,000원

2. 회원 가입 신청서

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3. 연회비 납입방법

- 예금주 : 에너지경제연구원
- 은행명 : 국민은행 울산지점
- 계좌 번호 : 261-01-0002-719

4. 문의

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에너지통계월보
2019. 2

발행일 : 2019년 2월

발행인 : 조용성

발행처 : 에너지경제연구원

우 44543

울산광역시 중구 종가로 405-11(성안동)

Vol. 35. No. 2

MONTHLY ENERGY STATISTICS

Published on July 2018

Publisher : Yong-Sung Cho

Published by Korea Energy Economics Institute

405-11, Jongga-ro, Jung-gu, Ulsan, Korea, 44543

인쇄 : 디자인법신

2019 에너지통계월보

MONTHLY ENERGY STATISTICS

