

에너지통계 월보

MONTHLY
ENERGY
STATISTICS



2017년 12월 자료



KOREA ENERGY ECONOMICS INSTITUTE



에너지경제연구원
Korea Energy Economics Institute

2018 / 03



VOL. 34-03
2018.3

에너지통계월보

Monthly Energy Statistics

2017년 12월 자료



에너지경제연구원
Korea Energy Economics Institute

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.

에너지경제연구원

울산광역시 중구 중가로 405-11(성안동)

전화: 052-714-2256

팩스: 052-714-2025

전자우편: EnergyStat@keei.re.kr

홈페이지: <http://www.keei.re.kr>

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 등 일부 국가에서는 목적에 따라 순발열량을 적용하는 경우도 있음.
- 에너지열량환산기준은 1980년 이후 6차에 걸친 개정이 있었으며, 2007년부터는 2006년에 제정된 에너지법에 따라 매 5년마다 작성·공포함(에너지법 시행규칙 제 5조 제2항).
- 2007년 이전까지는 일부 에너지원이 추가되는 수준의 열량개정이 이루어져 통계에 큰 영향을 주지 못했으나 2007년부터는 동일 에너지원이라도 열량차이가 커서 시행 첫년도에는 단층현상 발생
- 따라서 2007년 이후 5년 주기의 열량개정에 따라 발생하는 개정 첫년도의 단층현상 완화를 위하여 개선안을 연구 중임.

다. 주요 용어

1) 1차에너지

- 생산, 수출입 및 재고증감에 의해 국내 공급된 에너지이며, 타 에너지로 전환되기 위해 투입되는 에너지와 산업, 수송, 가정, 상업용으로 소비되는 최종에너지의 합으로 계산
- 현행 국가에너지밸런스에서는 원유의 투입과 석유제품의 생산에 해당하는 석유정제를 전환통계로 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, 이때 인구수는 연앙 인구를 사용

5) 수입의존도

- 1차에너지에 대한 순수입으로 계산하는 것이 일반적이나, 우리나라의 경우는 1차에너지중에서 수입에너지 소비가 차지하는 비중으로 계산
- 원자력의 원료인 우라늄을 수입에너지로 간주하여 수입의존도를 발표하고 있으나, 국제기준에 의해 국내생산에 포함한 수입의존도를 병기함.

6) GDP 단위당 에너지 소비

- 에너지원단위=1차에너지/총부가가치(GDP)이며, 경제활동에 투입된 에너지소비의 효율성을 평가하는 지표로서 산업구조, 부가가치, 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	㎍al	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(ㄹ)	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			총발열량			순발열량			
				MJ	kcal	석유환산톤 (10 ⁻³ toe)	MJ	kcal	석유환산톤 (10 ⁻³ toe)	
석유	원유	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	
	가스	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
천연가스 (LNG)			kg	54.7	13,060	1.306	49.4	11,800	1.180	
석탄	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	
	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	
전기 등	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 (발전 기준)		kWh	8.9	2,130	0.213	8.9	2,130	0.213	
신탄	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	70,00	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

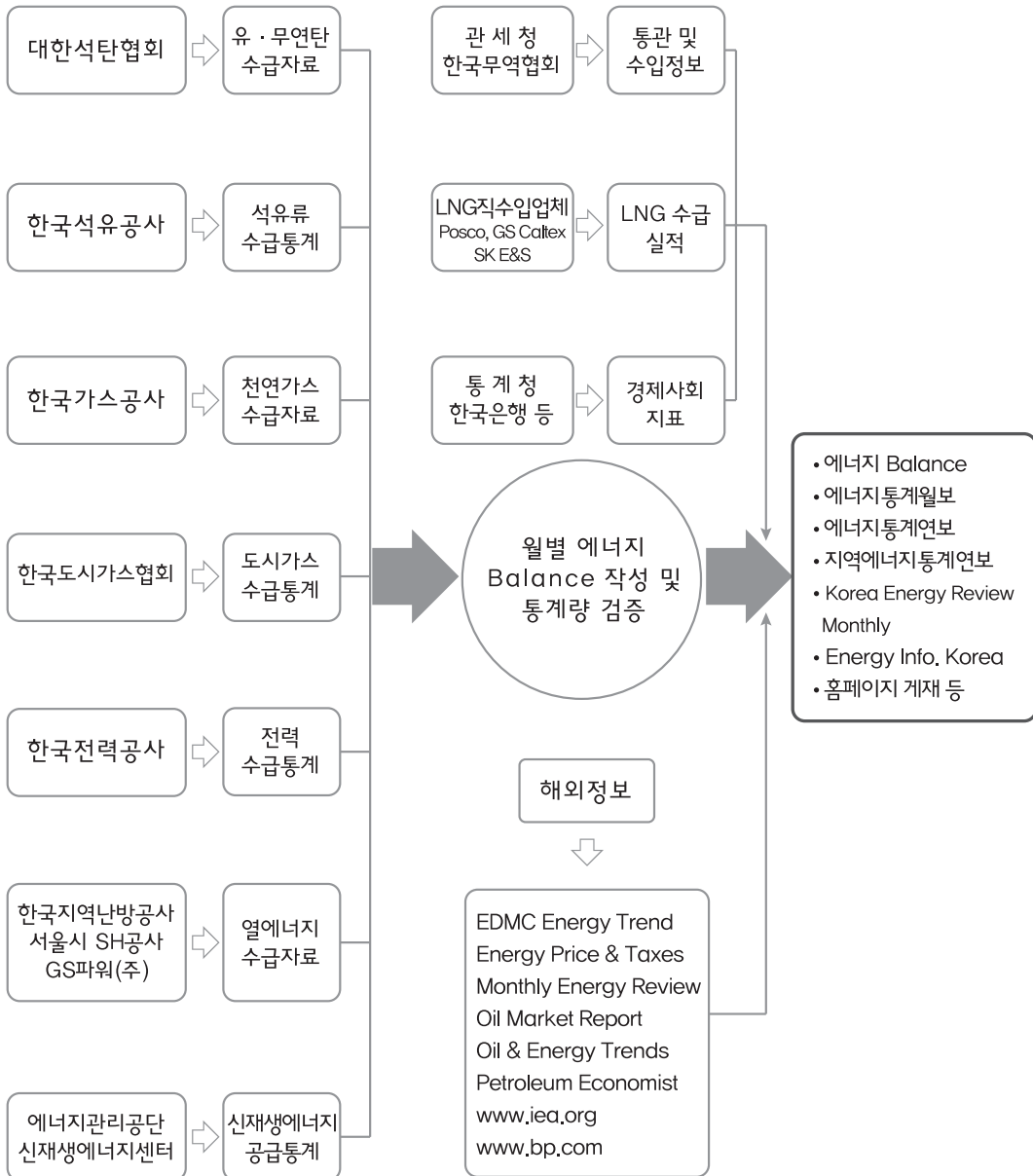
라. 작성 내용

- 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

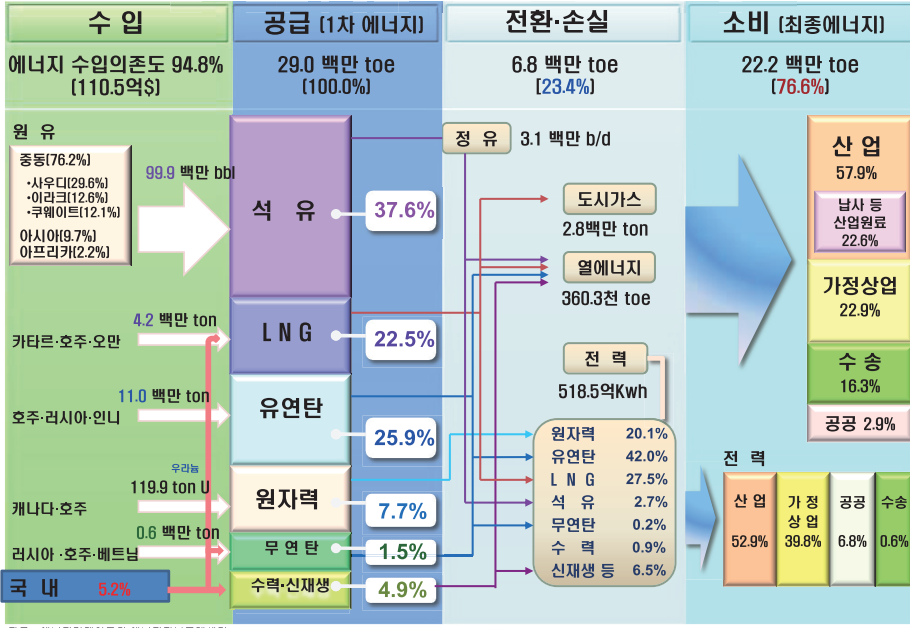


목 차 ♦ Contents

1. 에너지 개요 및 1차에너지 공급 Energy overview and primary energy supply -----	3
2. 최종에너지 소비 Final energy consumption -----	17
3. 석유 Petroleum -----	33
4. 가스 Natural gas and City gas -----	53
5. 석탄 Coal -----	59
6. 전력 · 열 Electricity and Heat -----	65
7. 에너지 가격 Energy prices -----	75
8. 주요 경제 · 사회 지표 Major economic and social indicators-----	85
9. 해외 에너지 World energy -----	95
 [부록]	
Appendix -----	101

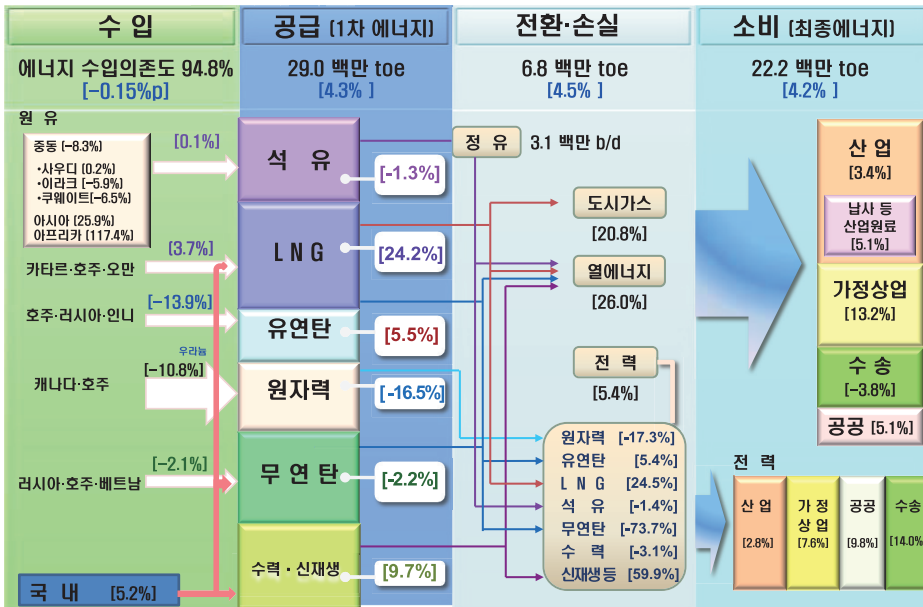
※ Energy Balance Flow

2017년 12월 Energy Balance Flow



자료: 에너지경제연구원 에너지정보통계센터

2017년 12월 Energy Balance Flow [전년동월 대비]



자료: 에너지경제연구원, []는 전년동월 대비 증감

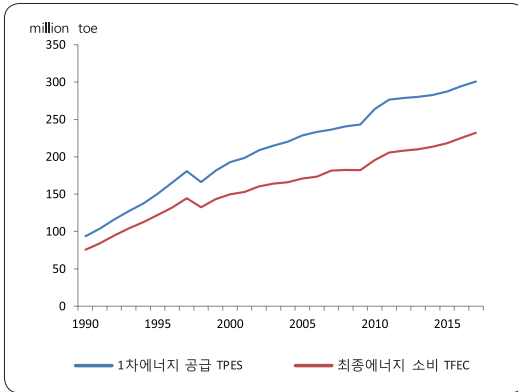
1. 에너지 개요 및 1차에너지 공급

Energy overview and
primary energy supply

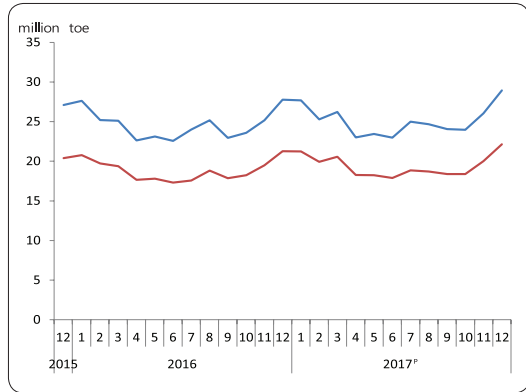


□ 1차에너지 공급, 최종에너지 소비 Primary energy supply, Final energy consumption

<1990~2017^p>

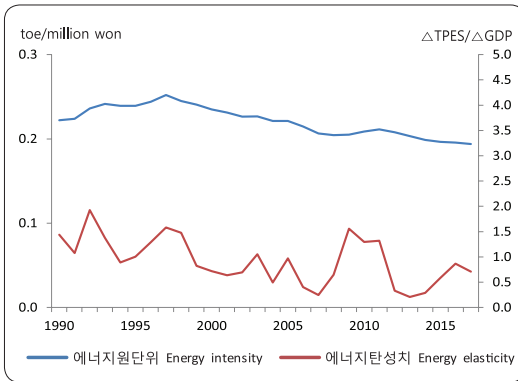


<월별 Monthly>

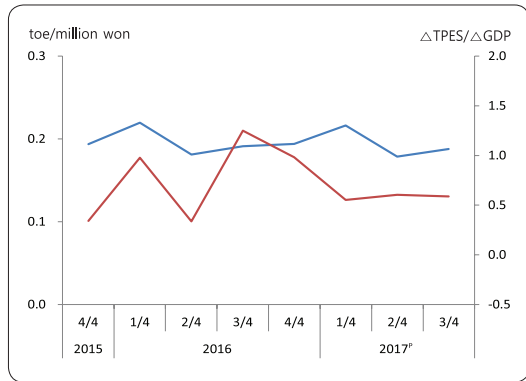


□ 에너지원단위, 에너지탄성치 Energy intensity, Energy elasticity

<1990~2017^p>

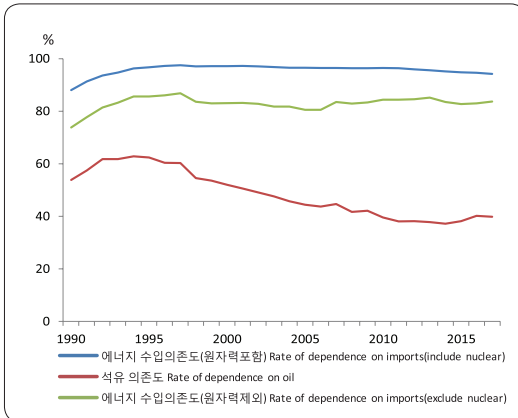


<분기 Quarterly>

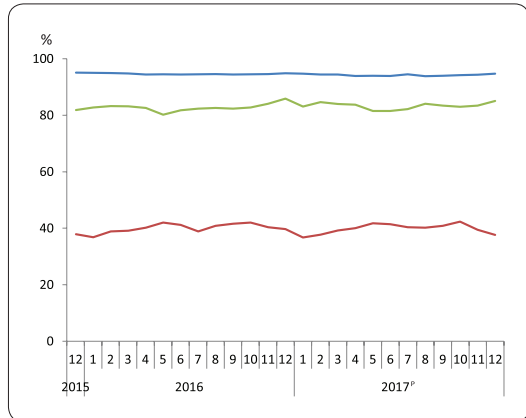


□ 에너지 수입의존도, 석유 의존도 Rate of dependence on imports, Rate of dependence on oil

<1990~2017^p>



<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		93,192	75,107	0.222	1.441	10,908	87.9	53.8
1991		103,619	83,803	0.224	1.076	12,754	91.3	57.5
1992		116,010	94,623	0.236	1.929	14,654	93.6	61.8
1993		126,879	104,048	0.242	1.378	15,088	94.8	61.9
1994		137,234	112,206	0.239	0.887	15,471	96.4	62.9
1995		150,437	121,962	0.239	1.002	19,053	96.8	62.5
1996		165,212	132,033	0.244	1.292	24,243	97.3	60.5
1997		180,638	144,432	0.252	1.583	27,308	97.6	60.4
1998		165,932	132,128	0.245	1.480	18,276	97.1	54.6
1999		181,363	143,060	0.241	0.823	22,745	97.2	53.6
2000		192,899	149,864	0.235	0.715	37,888	97.2	52.0
2001		198,418	152,959	0.231	0.632	33,894	97.3	50.6
2002		208,640	160,456	0.226	0.693	32,290	97.1	49.1
2003		215,073	164,001	0.227	1.051	38,306	96.9	47.6
2004		220,242	166,013	0.221	0.490	49,600	96.6	45.7
2005		228,628	170,859	0.221	0.970	66,697	96.6	44.4
2006		233,374	173,586	0.215	0.401	85,566	96.5	43.6
2007		236,459	181,459	0.206	0.242	94,978	96.6	44.6
2008		240,771	182,594	0.204	0.645	141,475	96.4	41.6
2009		243,428	182,182	0.205	1.560	91,160	96.5	42.0
2010		263,941	195,723	0.209	1.297	121,654	96.5	39.5
2011		276,755	205,982	0.211	1.319	172,490	96.5	38.0
2012		278,825	208,247	0.208	0.326	184,800	96.0	38.1
2013		280,442	210,296	0.203	0.200	178,698	95.7	37.7
2014		283,092	213,843	0.198	0.286	174,137	95.2	37.1
2015		287,705	218,361	0.196	0.582	102,715	94.8	38.1
2016		294,654	225,681	0.195	0.863	80,942	94.7	40.1
2017 ^P		301,103	232,502	0.194	0.706	-	94.2	39.7
2015	12	27,092	20,392	0.194	0.337	8,277	95.2	37.8
2016	1	27,639	20,783	-	-	6,124	95	37
	2	25,193	19,727	-	-	5,718	95	39
	3	25,110	19,369	0.220	0.979	5,828	95	39
	4	22,584	17,628	-	-	5,816	94	40
	5	23,081	17,760	-	-	6,351	95	42
	6	22,525	17,256	0.181	0.333	6,345	94	41
	7	23,972	17,545	-	-	6,797	94	39
	8	25,168	18,808	-	-	6,501	95	41
	9	22,904	17,821	0.191	1.252	6,918	94	42
	10	23,552	18,220	-	-	7,183	94	42
	11	25,146	19,485	-	-	8,322	95	40
	12	27,779	21,279	0.194	0.984	9,039	95	40
2017 ^P	1	27,707	21,261	-	-	9,497	95	37
	2	25,267	19,937	-	-	9,403	94	38
	3	26,210	20,587	0.216	0.549	9,763	94	39
	4	22,965	18,251	-	-	8,174	94	40
	5	23,401	18,203	-	-	8,731	94	42
	6	22,933	17,850	0.178	0.603	8,663	94	41
	7	24,963	18,817	-	-	8,100	95	40
	8	24,645	18,674	-	-	8,527	94	40
	9	24,038	18,361	0.188	0.585	9,031	94	41
	10	23,946	18,353	-	-	8,933	94	42
	11	26,055	20,027	-	-	9,596	94	39
	12	28,972	22,180	0.194	1.088	11,048	95	38
2016	1-12	294,654	225,681	0.194	0.984	71,904	94.7	27.8
2017 ^P	1-12	301,103	232,502	0.194	1.088	98,418	94.2	28.7

1. 월별 수치는 분기자료임.

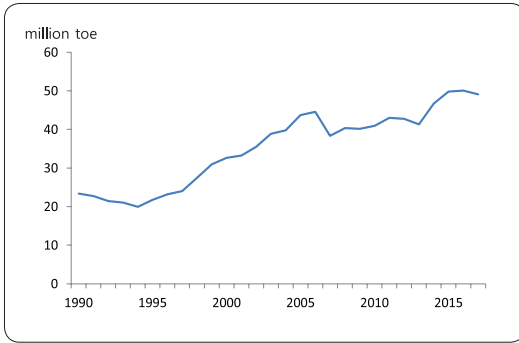
2. 원자력 포함

1. Monthly figures are on quarterly basis.

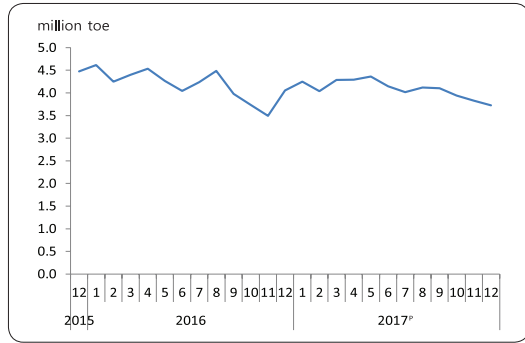
2. Include nuclear power

□ 에너지 생산 Total energy production

<1990~2017^p>

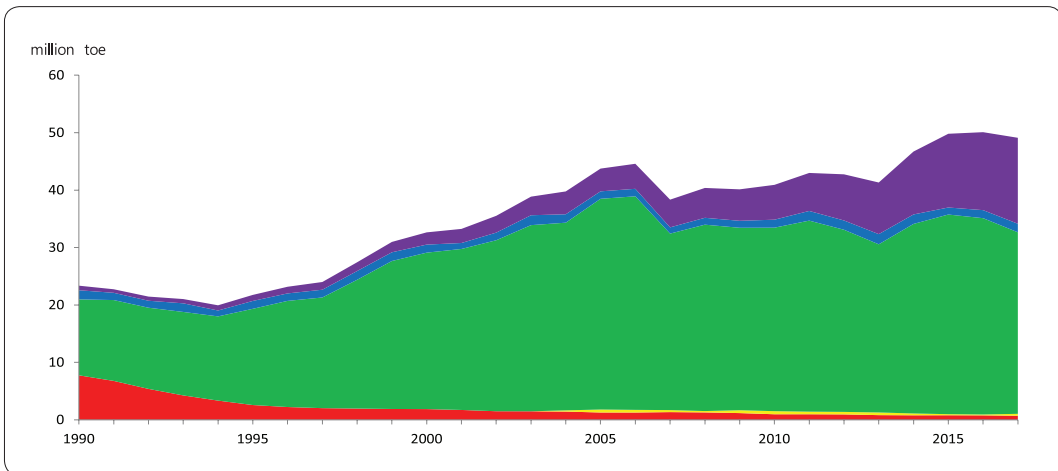


<월별 Monthly>

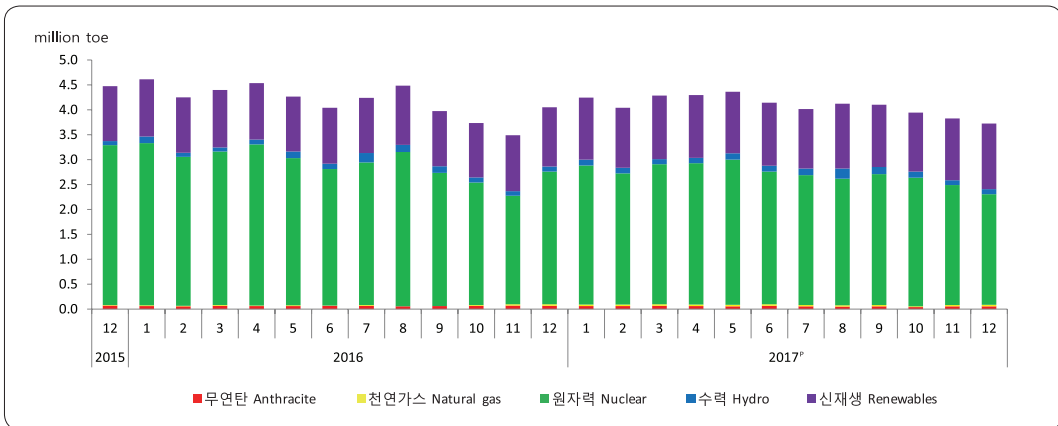


□ 에너지원별 생산 Energy production by source

<1990~2017^p>



<월별 Monthly>



1.2 에너지 생산

Energy production by source

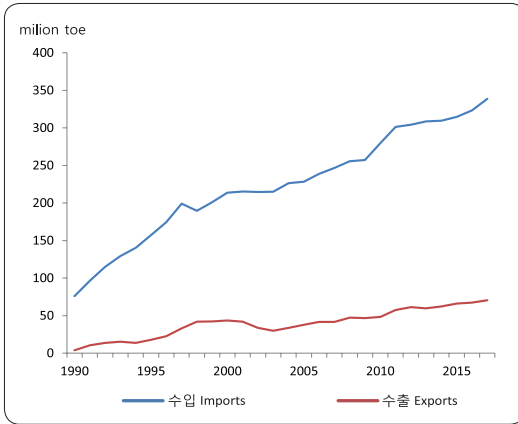
		합계 Total	무연탄 Anthracite	천연가스 ¹ Natural gas	수력 Hydro	원자력 Nuclear	신재생 Renewables
		1,000 toe					
1990		23,356	7,748	-	1,590	13,222	797
1991		22,734	6,776	-	1,263	14,078	617
1992		21,457	5,387	-	1,216	14,133	723
1993		21,027	4,249	-	1,502	14,535	742
1994		19,940	3,347	-	1,025	14,663	906
1995		21,751	2,574	-	1,369	16,757	1,051
1996		23,170	2,228	-	1,301	18,481	1,161
1997		23,998	2,031	-	1,351	19,272	1,344
1998		27,435	1,962	-	1,525	22,422	1,526
1999		30,978	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		38,861	1,484	-	1,722	32,415	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 ^p		49,109	703	341	1,487	31,615	14,964
2015	12	4,474	72	13	79	3,207	1,103
2016	1	4,614	63	13	129	3,258	1,150
	2	4,249	56	12	83	2,989	1,110
	3	4,399	69	13	83	3,081	1,153
	4	4,537	64	6	98	3,235	1,133
	5	4,267	64	12	134	2,954	1,103
	6	4,043	67	6	109	2,737	1,123
	7	4,238	66	16	191	2,862	1,103
	8	4,484	60	0	146	3,091	1,187
	9	3,977	62	0	132	2,676	1,107
	10	3,737	66	16	100	2,460	1,095
	11	3,491	72	27	93	2,176	1,124
	12	4,052	68	32	101	2,662	1,188
2017 ^p	1	4,246	60	32	115	2,791	1,248
	2	4,040	62	29	108	2,636	1,205
	3	4,286	68	32	107	2,806	1,272
	4	4,294	63	31	109	2,833	1,257
	5	4,363	56	32	129	2,912	1,235
	6	4,146	68	31	120	2,661	1,265
	7	4,018	56	29	136	2,604	1,194
	8	4,120	52	28	205	2,538	1,298
	9	4,102	57	26	143	2,627	1,249
	10	3,943	44	16	120	2,579	1,184
	11	3,826	58	26	96	2,405	1,241
	12	3,724	58	28	99	2,223	1,315
2016	1-12	50,087	777	154	1,400	34,181	13,575
2017 ^p	1-12	49,109	703	341	1,487	31,615	14,964

1. 동해-1 가스전 생산량

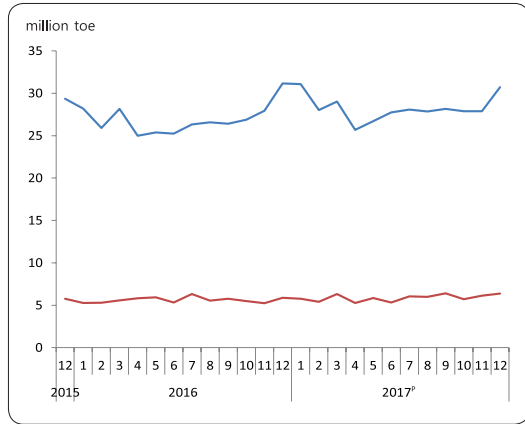
1. Production at Donghae-1 gas field

에너지 수출입 Energy imports and exports

<1990~2017^p>

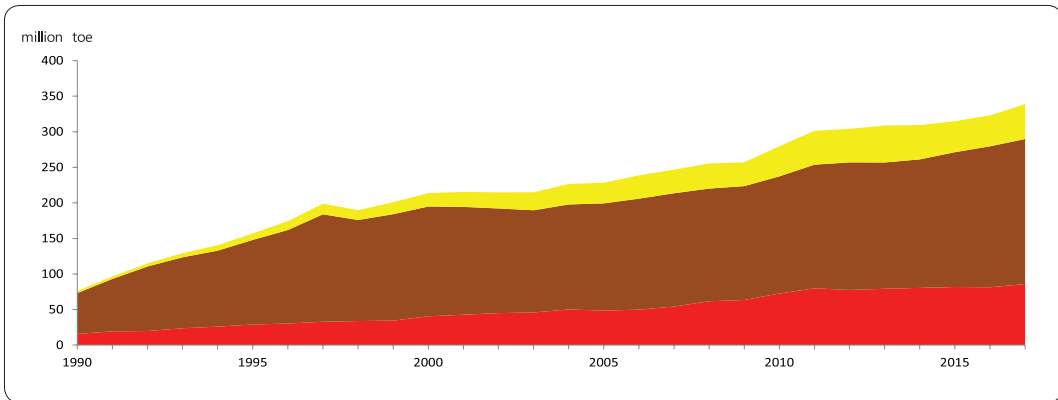


<월별 Monthly>

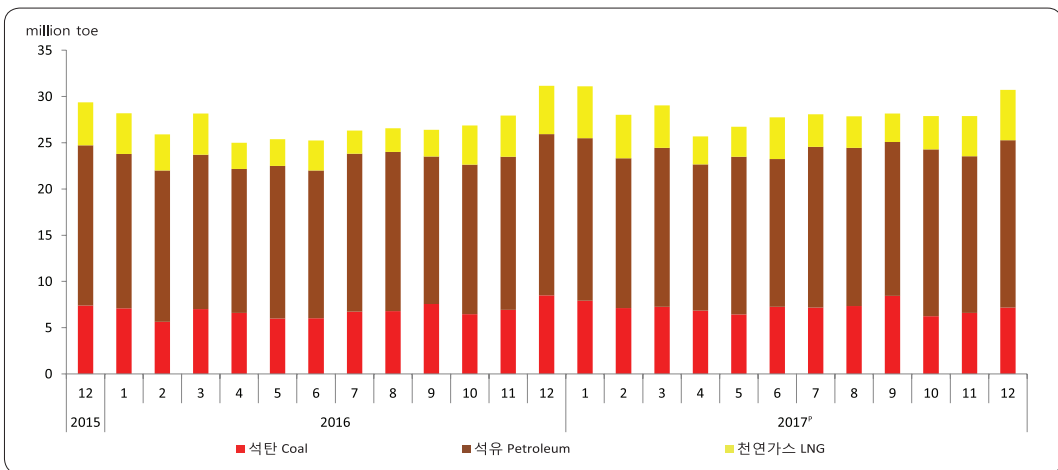


에너지원별 수입 Energy imports by source

<1990~2017^p>



<월별 Monthly>



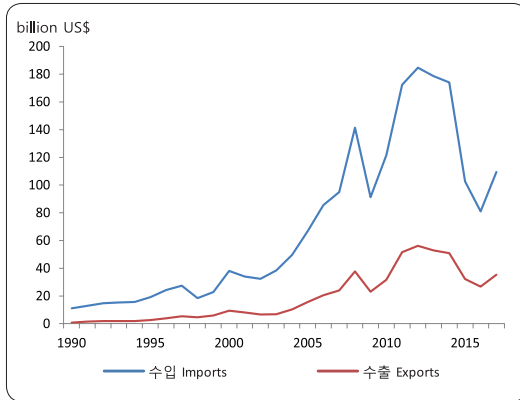
1.3.1 에너지 수출입

Energy imports and exports

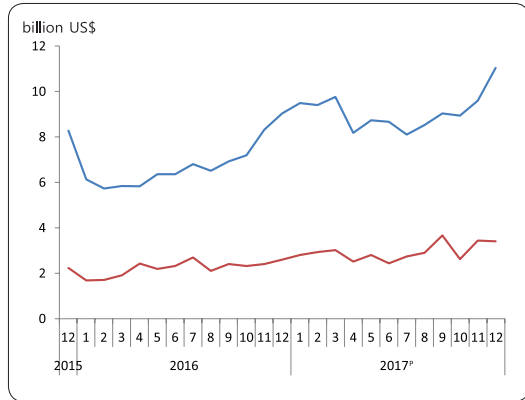
		수입 Imports			수출 Exports		순수입
		합계 Total	석탄 Coal	석유 Petroleum	천연가스 LNG	석유 Petroleum	Net imports
		1,000 toe					
1990		76,072	15,752	57,345	2,974	3,997	72,075
1991		96,596	19,321	73,689	3,586	10,418	86,178
1992		115,001	19,816	90,732	4,453	13,769	101,232
1993		129,274	23,696	99,788	5,790	15,385	113,888
1994		140,503	25,966	106,830	7,707	13,788	126,714
1995		157,094	28,956	118,959	9,178	17,744	139,350
1996		174,286	30,327	131,486	12,473	22,686	151,600
1997		199,007	32,850	151,040	15,118	33,046	165,961
1998		189,711	33,847	142,084	13,780	42,049	147,663
1999		200,966	34,410	149,691	16,865	42,362	158,604
2000		213,810	40,559	154,300	18,951	43,577	170,233
2001		215,372	42,691	151,668	21,013	41,991	173,381
2002		214,833	44,990	147,133	22,711	33,770	181,064
2003		214,866	45,894	143,708	25,264	29,873	184,994
2004		226,558	50,139	147,620	28,799	33,644	192,913
2005		228,340	48,498	150,798	29,044	37,886	190,454
2006		238,702	49,854	156,060	32,788	41,574	197,128
2007		246,773	54,237	159,298	33,239	41,709	205,063
2008		255,509	61,665	158,407	35,436	47,472	208,037
2009		257,143	63,431	160,144	33,568	46,758	210,385
2010		279,649	72,576	164,689	42,384	48,224	231,426
2011		301,425	79,861	173,875	47,690	57,541	243,884
2012		304,116	77,546	179,387	47,184	61,454	242,662
2013		308,806	79,230	177,578	51,998	59,665	249,141
2014		309,511	80,460	180,663	48,388	62,301	247,209
2015		314,779	81,688	189,583	43,509	65,981	248,798
2016		323,145	81,311	198,211	43,623	67,481	255,664
2017 ^p		338,847	85,869	203,934	49,044	70,629	268,218
2015	12	29,357	7,397	17,331	4,630	5,784	23,573
2016	1	28,186	7,106	16,686	4,394	5,258	22,928
	2	25,911	5,626	16,372	3,913	5,297	20,614
	3	28,164	7,000	16,697	4,466	5,587	22,577
	4	24,996	6,588	15,571	2,838	5,832	19,163
	5	25,372	5,986	16,499	2,887	5,942	19,430
	6	25,239	6,023	15,984	3,232	5,316	19,923
	7	26,313	6,744	17,067	2,502	6,331	19,982
	8	26,570	6,779	17,225	2,565	5,537	21,033
	9	26,412	7,555	15,953	2,904	5,765	20,647
	10	26,872	6,458	16,175	4,239	5,505	21,367
	11	27,941	6,940	16,548	4,453	5,242	22,699
	12	31,169	8,505	17,434	5,230	5,869	25,300
2017 ^p	1	31,095	7,925	17,566	5,604	5,778	25,317
	2	28,011	7,132	16,198	4,680	5,417	22,594
	3	29,035	7,264	17,182	4,588	6,315	22,720
	4	25,689	6,855	15,800	3,035	5,266	20,422
	5	26,730	6,442	17,045	3,243	5,841	20,888
	6	27,736	7,264	15,960	4,512	5,314	22,422
	7	28,080	7,166	17,380	3,533	6,053	22,026
	8	27,844	7,337	17,116	3,391	5,990	21,854
	9	28,167	8,449	16,640	3,077	6,400	21,767
	10	27,877	6,255	18,028	3,594	5,727	22,151
	11	27,871	6,604	16,934	4,332	6,131	21,740
	12	30,714	7,175	18,085	5,454	6,396	24,318
2016	1-12	323,145	81,311	198,211	43,623	67,481	255,664
2017 ^p	1-12	338,847	85,869	203,934	49,044	70,629	268,218

□ 에너지 수출입액 Energy export and import value

<1990~2017^p>

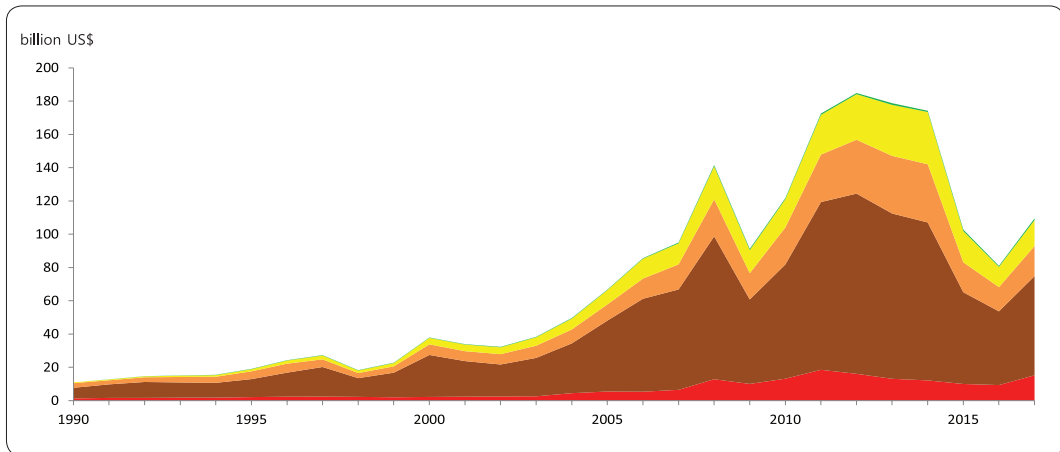


<월별 Monthly>

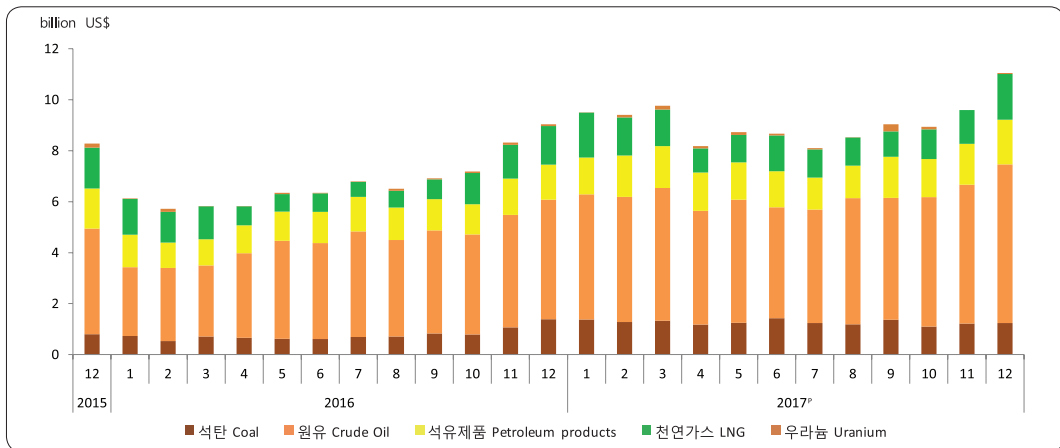


□ 에너지원별 수입액 Import value by energy source

<1990~2017^p>



<월별 Monthly>



1.3.2 에너지 수출입액

Energy export and import value

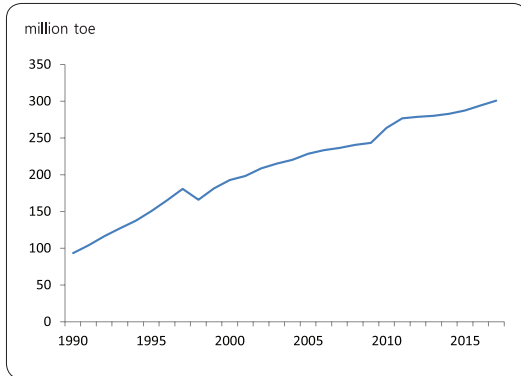
		수입 Imports						수출 Exports	수입액 비중 Energy/Total import
		합계	석탄	원유	석유제품	천연가스	우라늄	석유	
		Total	Coal	Crude Oil	Petroleum products	LNG	Uranium	Petroleum	
million US\$								%	
1990		10,908	1,288	6,386	2,774	460	1	650	15.6
1991		12,754	1,600	8,134	2,451	485	84	1,451	15.6
1992		14,654	1,616	9,548	2,829	562	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 ^p		109,466	15,179	59,603	18,077	15,616	991	35,286	22.9
2015	12	8,277	797	4,150	1,565	1,609	157	2,225	23
2016	1	6,124	728	2,698	1,278	1,403	16	1,672	20
	2	5,718	533	2,864	991	1,208	120	1,694	20
	3	5,828	707	2,788	1,029	1,289	14	1,903	17
	4	5,816	657	3,315	1,099	745	0	2,421	18
	5	6,351	615	3,848	1,143	689	56	2,181	19
	6	6,345	605	3,773	1,217	735	15	2,317	19
	7	6,797	693	4,136	1,357	586	25	2,689	20
	8	6,501	704	3,793	1,275	651	80	2,092	19
	9	6,918	830	4,042	1,221	786	39	2,397	20
	10	7,183	785	3,930	1,179	1,232	57	2,311	20
	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 ^p	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
2016	1-12	80,942	9,310	44,295	14,579	12,170	589	26,668	19.9
2017 ^p	1-12	109,466	15,179	59,603	18,077	15,616	991	35,286	22.9

주: 수입액은 CIF, 수출액은 FOB 기준.
자료: 한국무역협회

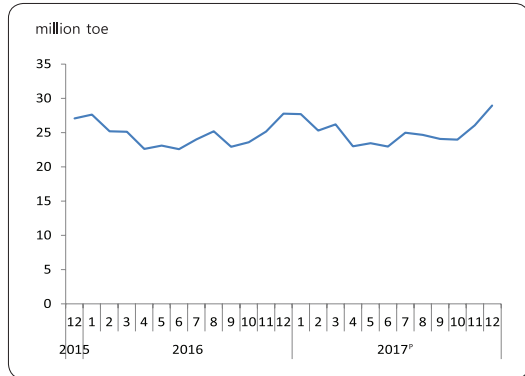
Note: Import values are based on CIF, and export values are based on FOB.
Source: Korea International Trade Association

□ 1차에너지 공급 Total primary energy supply

<1990~2017^p>

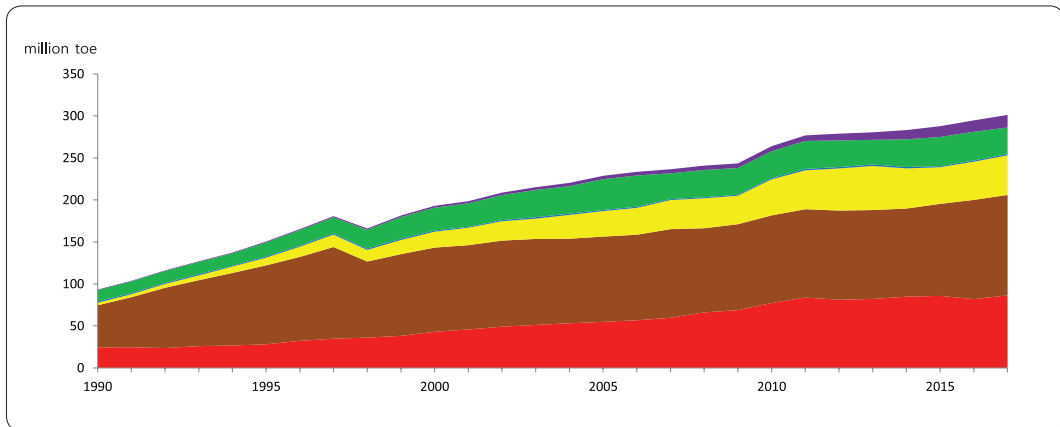


<월별 Monthly>

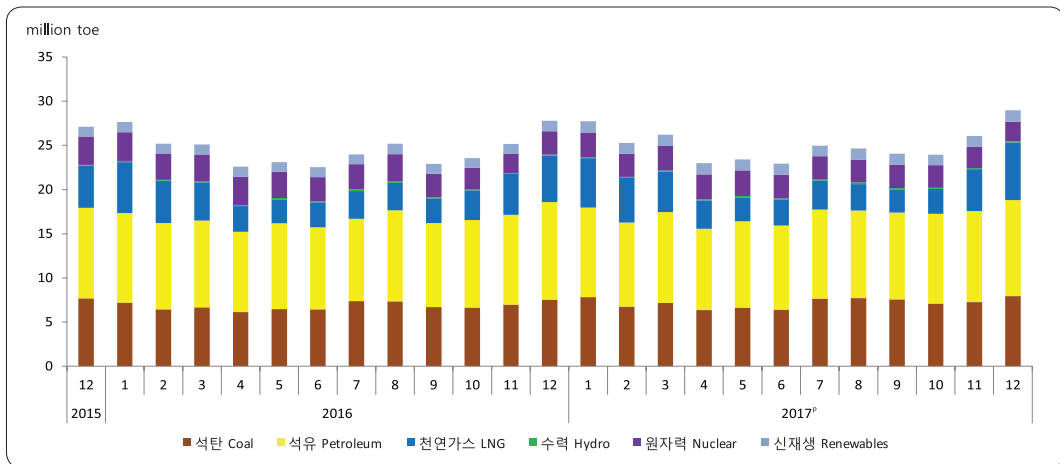


□ 에너지원별 1차에너지 공급 Primary energy supply by source

<1990~2017^p>



<월별 Monthly>



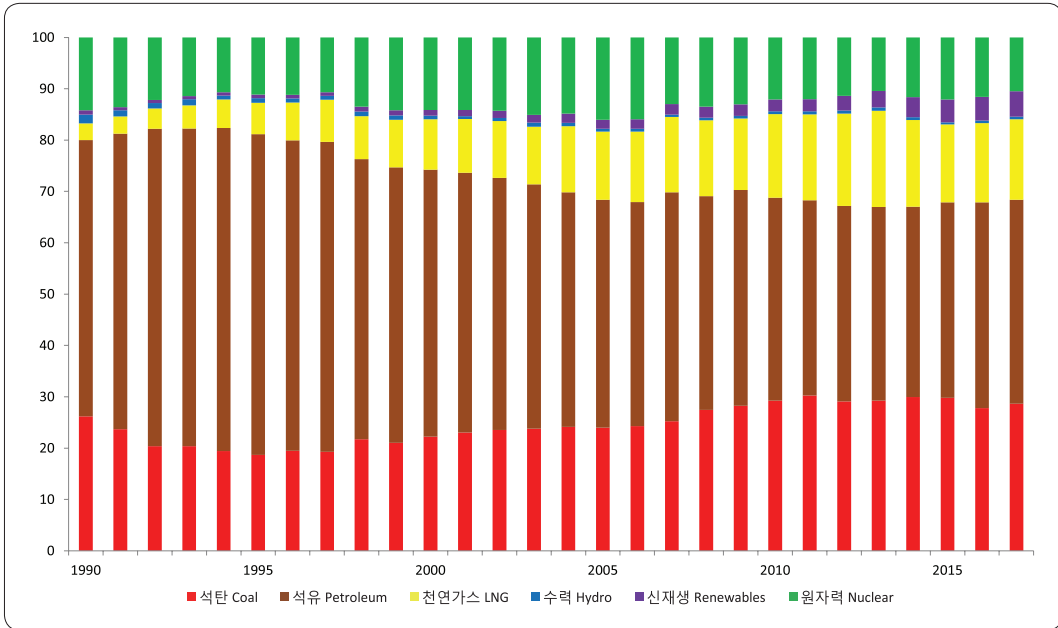
1.4.1 1차에너지 공급

Primary energy supply by source

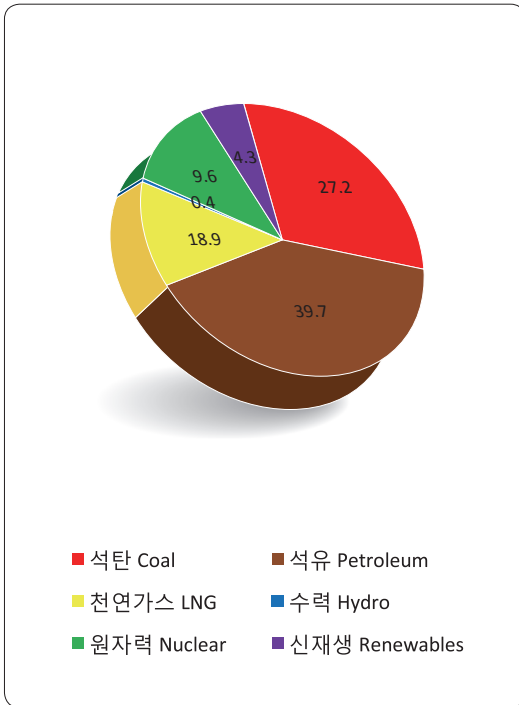
		합계 Total	석탄 Coal	석유 Petroleum	천연가스 LNG	수력 Hydro	원자력 Nuclear	신재생 Renewables
		1,000 toe						
1990		93,192	24,385	50,175	3,023	1,590	13,222	797
1991		103,619	24,535	59,627	3,503	1,263	14,078	617
1992		116,010	23,618	71,740	4,581	1,216	14,133	723
1993		126,879	25,882	78,495	5,723	1,502	14,535	742
1994		137,234	26,680	86,343	7,618	1,025	14,663	906
1995		150,437	28,091	93,955	9,213	1,369	16,757	1,051
1996		165,212	32,200	99,898	12,172	1,301	18,481	1,161
1997		180,638	34,799	109,080	14,792	1,351	19,272	1,344
1998		165,932	36,039	90,582	13,838	1,525	22,422	1,526
1999		181,363	38,155	97,270	16,849	1,517	25,766	1,806
2000		192,899	42,923	100,279	18,924	1,402	27,241	2,130
2001		198,418	45,720	100,385	20,787	1,038	28,033	2,456
2002		208,640	49,102	102,414	23,096	1,327	29,776	2,925
2003		215,073	51,123	102,380	24,194	1,722	32,415	3,241
2004		220,242	53,131	100,638	28,351	1,465	32,679	3,977
2005		228,628	54,794	101,526	30,355	1,297	36,695	3,961
2006		233,374	56,688	101,831	32,004	1,305	37,187	4,358
2007		236,459	59,658	105,494	34,663	1,084	30,731	4,828
2008		240,771	66,079	100,170	35,671	1,196	32,456	5,198
2009		243,428	68,720	102,336	33,908	1,213	31,771	5,480
2010		263,941	77,228	104,301	43,008	1,391	31,948	6,064
2011		276,755	83,759	105,146	46,284	1,684	33,265	6,618
2012		278,825	81,105	106,165	50,185	1,615	31,719	8,036
2013		280,442	82,067	105,811	52,523	1,771	29,283	8,987
2014		283,092	84,766	104,944	47,773	1,650	33,002	10,956
2015		287,705	85,699	109,566	43,613	1,223	34,765	12,839
2016		294,654	81,872	118,108	45,518	1,400	34,181	13,575
2017 ^P		301,103	86,307	119,565	47,166	1,487	31,615	14,964
2015	12	27,092	7,670	10,246	4,787	79	3,207	1,103
2016	1	27,639	7,196	10,151	5,755	129	3,258	1,150
	2	25,193	6,427	9,784	4,801	83	2,989	1,110
	3	25,110	6,662	9,827	4,304	83	3,081	1,153
	4	22,584	6,126	9,081	2,911	98	3,235	1,133
	5	23,081	6,465	9,711	2,715	134	2,954	1,103
	6	22,525	6,444	9,291	2,821	109	2,737	1,123
	7	23,972	7,380	9,312	3,125	191	2,862	1,103
	8	25,168	7,348	10,301	3,095	146	3,091	1,187
	9	22,904	6,679	9,540	2,771	132	2,676	1,107
	10	23,552	6,637	9,917	3,343	100	2,460	1,095
	11	25,146	6,964	10,164	4,626	93	2,176	1,124
	12	27,779	7,545	11,029	5,253	101	2,662	1,188
2017 ^P	1	27,707	7,809	10,144	5,601	115	2,791	1,248
	2	25,267	6,748	9,506	5,064	108	2,636	1,205
	3	26,210	7,170	10,277	4,578	107	2,806	1,272
	4	22,965	6,363	9,186	3,217	109	2,833	1,257
	5	23,401	6,623	9,781	2,722	129	2,912	1,235
	6	22,933	6,417	9,508	2,962	120	2,661	1,265
	7	24,963	7,649	10,081	3,300	136	2,604	1,194
	8	24,645	7,699	9,917	2,987	205	2,538	1,298
	9	24,038	7,555	9,837	2,627	143	2,627	1,249
	10	23,946	7,079	10,166	2,818	120	2,579	1,184
	11	26,055	7,271	10,278	4,764	96	2,405	1,241
	12	28,972	7,924	10,883	6,526	99	2,223	1,315
2016	1-12	294,654	81,872	118,108	45,518	1,400	34,181	13,575
2017 ^P	1-12	301,103	86,307	119,565	47,166	1,487	31,615	14,964

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

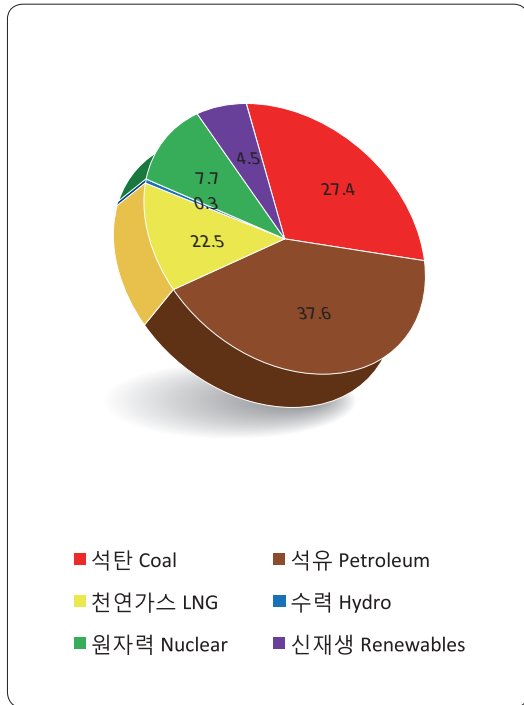
<1990~2017P>



□ 2016년 12월 December 2016(%)



□ 2017년 12월 December 2017P(%)



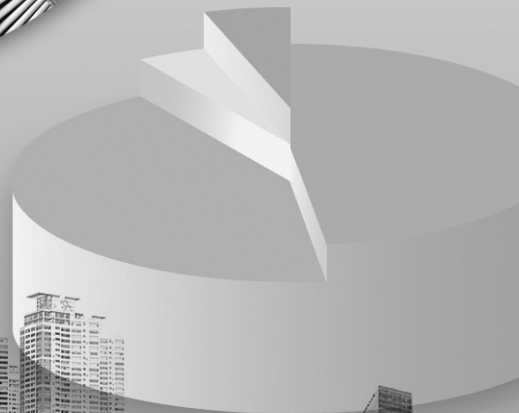
1.4.2 1차에너지 원별 구성비

Composition rate of primary energy supply

		석탄 Coal	석유 Petroleum	천연가스 LNG	수력 Hydro	원자력 Nuclear	신재생 Renewables
		%					
1990		26.2	53.8	3.2	1.7	14.2	0.9
1991		23.7	57.5	3.4	1.2	13.6	0.6
1992		20.4	61.8	3.9	1.0	12.2	0.6
1993		20.4	61.9	4.5	1.2	11.5	0.6
1994		19.4	62.9	5.6	0.7	10.7	0.7
1995		18.7	62.5	6.1	0.9	11.1	0.7
1996		19.5	60.5	7.4	0.8	11.2	0.7
1997		19.3	60.4	8.2	0.7	10.7	0.7
1998		21.7	54.6	8.3	0.9	13.5	0.9
1999		21.0	53.6	9.3	0.8	14.2	1.0
2000		22.3	52.0	9.8	0.7	14.1	1.1
2001		23.0	50.6	10.5	0.5	14.1	1.2
2002		23.5	49.1	11.1	0.6	14.3	1.4
2003		23.8	47.6	11.2	0.8	15.1	1.5
2004		24.1	45.7	12.9	0.7	14.8	1.8
2005		24.0	44.4	13.3	0.6	16.1	1.7
2006		24.3	43.6	13.7	0.6	15.9	1.9
2007		25.2	44.6	14.7	0.5	13.0	2.0
2008		27.4	41.6	14.8	0.5	13.5	2.2
2009		28.2	42.0	13.9	0.5	13.1	2.3
2010		29.3	39.5	16.3	0.5	12.1	2.3
2011		30.3	38.0	16.7	0.6	12.0	2.4
2012		29.1	38.1	18.0	0.6	11.4	2.9
2013		29.3	37.7	18.7	0.6	10.4	3.2
2014		29.9	37.1	16.9	0.6	11.7	3.9
2015		29.8	38.1	15.2	0.4	12.1	4.5
2016		27.8	40.1	15.4	0.5	11.6	4.6
2017 ^P		28.7	39.7	15.7	0.5	10.5	5.0
2015	12	28.3	37.8	17.7	0.3	11.8	4.1
2016	1	26.0	36.7	20.8	0.5	11.8	4.2
	2	25.5	38.8	19.1	0.3	11.9	4.4
	3	26.5	39.1	17.1	0.3	12.3	4.6
	4	27.1	40.2	12.9	0.4	14.3	5.0
	5	28.0	42.1	11.8	0.6	12.8	4.8
	6	28.6	41.2	12.5	0.5	12.2	5.0
	7	30.8	38.8	13.0	0.8	11.9	4.6
	8	29.2	40.9	12.3	0.6	12.3	4.7
	9	29.2	41.7	12.1	0.6	11.7	4.8
	10	28.2	42.1	14.2	0.4	10.4	4.7
	11	27.7	40.4	18.4	0.4	8.7	4.5
	12	27.2	39.7	18.9	0.4	9.6	4.3
2017 ^P	1	28.2	36.6	20.2	0.4	10.1	4.5
	2	26.7	37.6	20.0	0.4	10.4	4.8
	3	27.4	39.2	17.5	0.4	10.7	4.9
	4	27.7	40.0	14.0	0.5	12.3	5.5
	5	28.3	41.8	11.6	0.6	12.4	5.3
	6	28.0	41.5	12.9	0.5	11.6	5.5
	7	30.6	40.4	13.2	0.5	10.4	4.8
	8	31.2	40.2	12.1	0.8	10.3	5.3
	9	31.4	40.9	10.9	0.6	10.9	5.2
	10	29.6	42.5	11.8	0.5	10.8	4.9
	11	27.9	39.4	18.3	0.4	9.2	4.8
	12	27.4	37.6	22.5	0.3	7.7	4.5
2016 ^P	1-12	27.8	40.1	15.4	0.5	11.6	4.6
2017 ^P	1-12	28.7	39.7	15.7	0.5	10.5	5.0

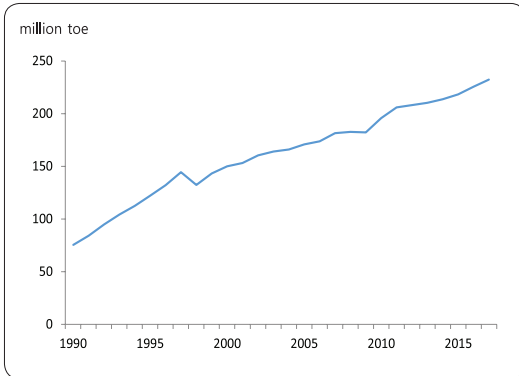
2. 최종에너지 소비

Final energy consumption

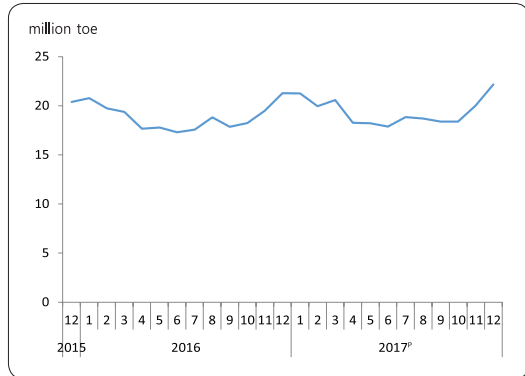


□ 최종에너지 소비 Total final energy consumption

<1990~2017^p>

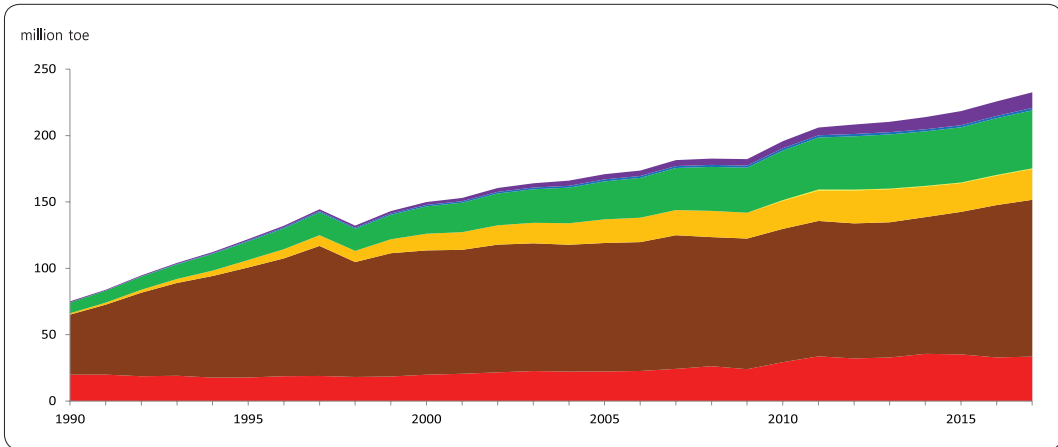


<월별 Monthly>

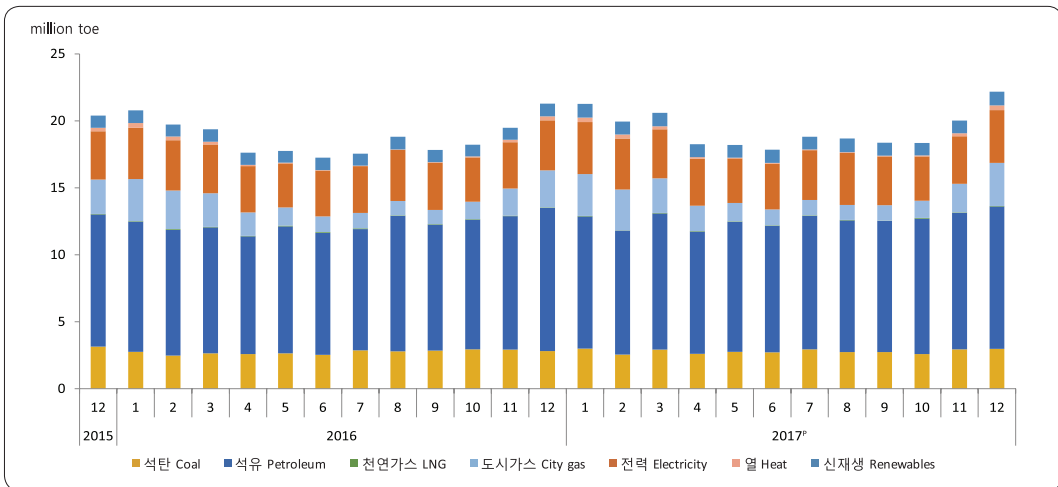


□ 에너지원별 최종에너지 소비 Final energy consumption by source

<1990~2017^p>



<월별 Monthly>



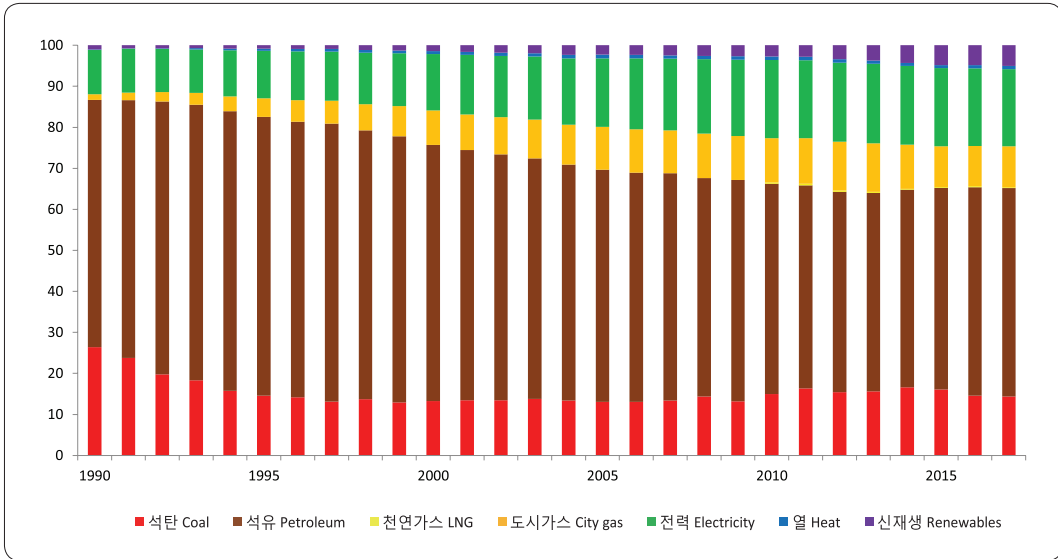
2.1.1 최종에너지 원별 소비

Final energy consumption by source

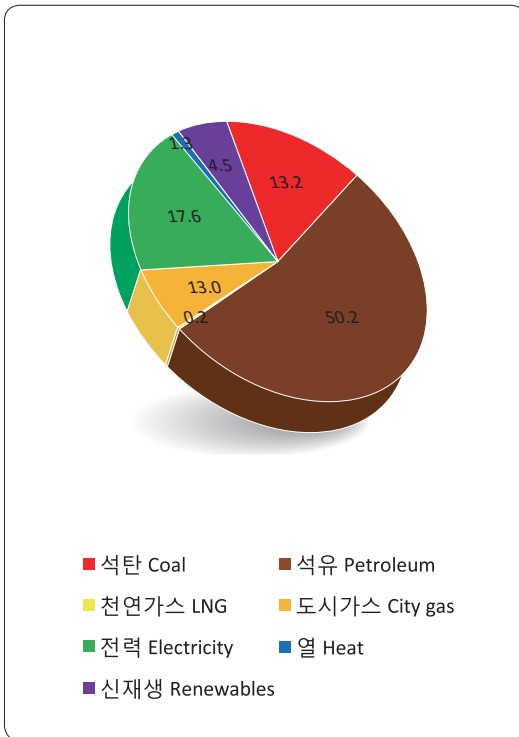
		합계 Total	석탄 Coal	석유 Petroleum	천연가스 LNG	도시가스 City gas	전력 Electricity	열 Heat	신재생 Renewables
		1,000 toe							
1990		75,107	19,855	45,252	-	1,011	8,117	75	797
1991		83,803	19,915	52,675	-	1,540	8,976	80	617
1992		94,623	18,688	62,939	-	2,219	9,911	143	723
1993		104,048	19,058	69,876	-	3,027	10,985	360	742
1994		112,206	17,670	76,511	-	4,057	12,602	460	906
1995		121,962	17,758	82,876	-	5,594	14,041	641	1,051
1996		132,033	18,718	88,714	-	6,937	15,692	811	1,161
1997		144,432	18,918	97,901	-	8,093	17,267	909	1,344
1998		132,128	18,151	86,526	-	8,425	16,638	861	1,526
1999		143,060	18,498	92,821	-	10,513	18,422	1,000	1,806
2000		149,864	19,859	93,596	0	12,561	20,600	1,119	2,130
2001		152,959	20,541	93,356	-	13,290	22,165	1,150	2,456
2002		160,456	21,635	96,159	-	14,567	23,947	1,223	2,925
2003		164,001	22,616	96,155	-	15,470	25,250	1,300	3,210
2004		166,013	22,198	95,513	-	16,191	26,840	1,343	3,928
2005		170,859	22,316	96,718	-	17,811	28,588	1,530	3,896
2006		173,586	22,662	97,037	-	18,379	29,990	1,425	4,092
2007		181,459	24,254	100,622	-	18,955	31,700	1,438	4,491
2008		182,594	26,237	97,217	-	19,765	33,116	1,512	4,747
2009		182,182	24,011	98,369	-	19,459	33,925	1,551	4,867
2010		195,723	29,300	100,381	559	21,081	37,338	1,718	5,346
2011		205,982	33,663	101,976	801	22,871	39,136	1,702	5,834
2012		208,247	32,091	101,710	717	24,728	40,127	1,751	7,124
2013		210,296	32,831	101,809	467	24,878	40,837	1,695	7,779
2014		213,843	35,566	102,957	460	23,041	41,073	1,567	9,179
2015		218,361	35,147	107,322	437	21,678	41,594	1,559	10,623
2016		225,681	32,840	114,760	504	22,186	42,745	1,710	10,936
2017 ^p		232,502	33,489	118,067	444	23,236	43,666	1,850	11,750
2015	12	20,392	3,156	9,857	40	2,569	3,594	264	913
2016	1	20,783	2,753	9,713	40	3,140	3,840	350	946
	2	19,727	2,475	9,396	38	2,886	3,747	283	902
	3	19,369	2,652	9,397	34	2,511	3,633	208	934
	4	17,628	2,588	8,789	33	1,758	3,451	101	908
	5	17,760	2,643	9,486	53	1,357	3,288	60	873
	6	17,256	2,526	9,105	65	1,178	3,411	43	928
	7	17,545	2,875	9,034	64	1,152	3,491	44	885
	8	18,808	2,803	10,097	42	1,072	3,819	38	937
	9	17,821	2,846	9,415	34	1,046	3,544	37	900
	10	18,220	2,936	9,686	33	1,303	3,315	72	874
	11	19,485	2,934	9,954	34	2,017	3,462	186	898
	12	21,279	2,809	10,689	34	2,765	3,744	286	952
2017 ^p	1	21,261	2,996	9,865	39	3,127	3,887	333	1,015
	2	19,937	2,545	9,257	32	3,030	3,820	288	965
	3	20,587	2,920	10,176	36	2,580	3,660	218	997
	4	18,251	2,617	9,117	38	1,888	3,510	113	968
	5	18,203	2,752	9,696	37	1,380	3,332	62	944
	6	17,850	2,725	9,440	34	1,192	3,412	49	999
	7	18,817	2,945	9,967	37	1,141	3,716	49	962
	8	18,674	2,739	9,836	39	1,097	3,900	47	1,015
	9	18,361	2,739	9,784	36	1,152	3,641	44	965
	10	18,353	2,594	10,113	42	1,294	3,300	75	935
	11	20,027	2,940	10,185	36	2,145	3,551	210	960
	12	22,180	2,979	10,629	39	3,211	3,937	360	1,025
2016	1-12	225,681	32,840	114,760	504	22,186	42,745	1,710	10,936
2017 ^p	1-12	232,502	33,489	118,067	444	23,236	43,666	1,850	11,750

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

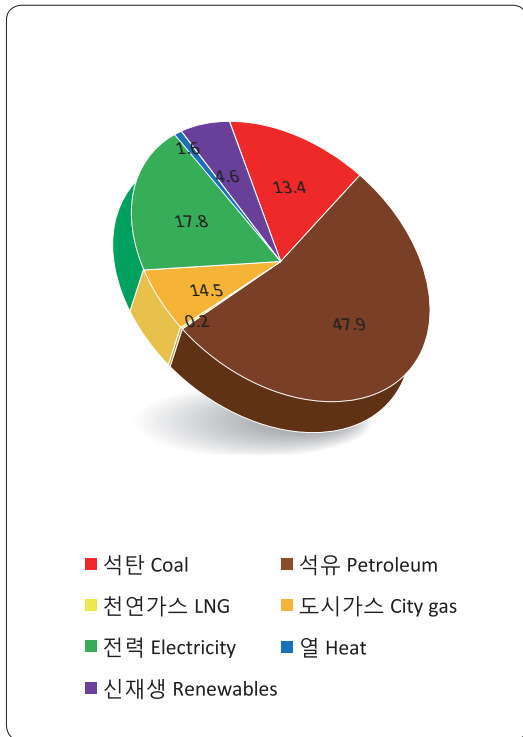
<1990~2017^P>



□ 2016년 12월 December 2016(%)



□ 2017년 12월 December 2017^P(%)



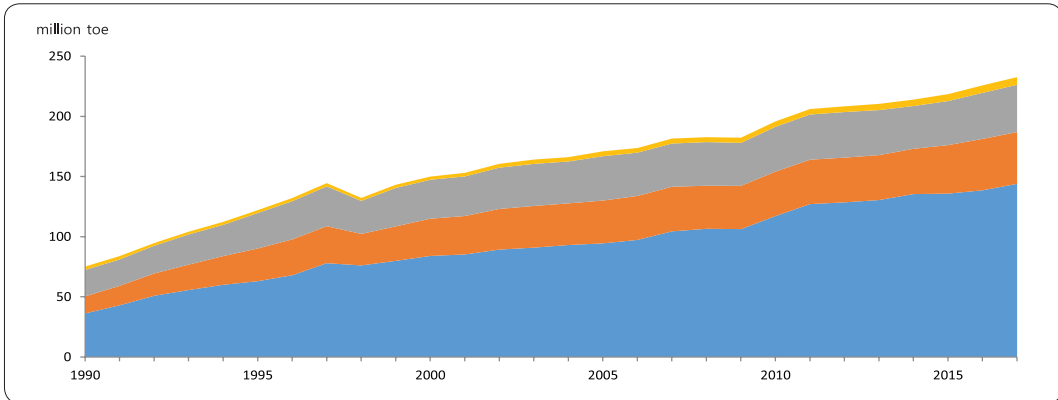
2.1.2 최종에너지 원별 구성비

Composition rate of final energy consumption

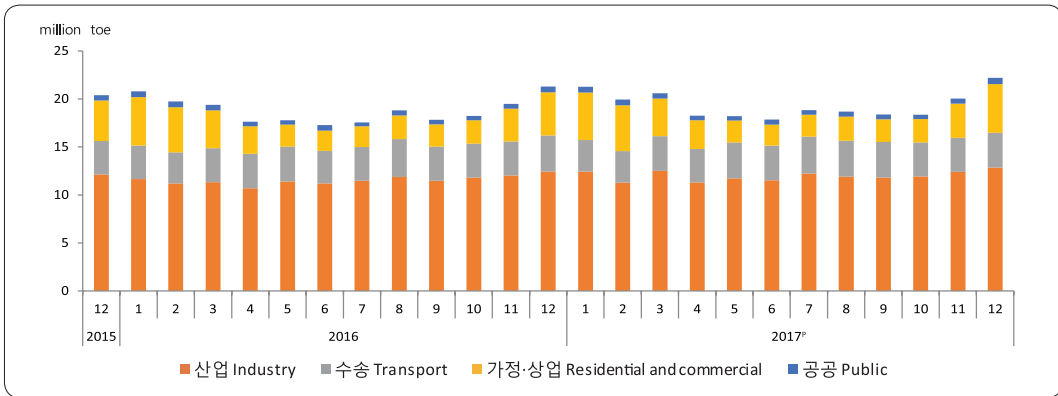
		석탄 Coal	석유 Petroleum	천연가스 LNG	도시가스 City gas	전력 Electricity	열 Heat	신재생 Renewables
		%						
1990		26.4	60.3	0.0	1.3	10.8	0.1	1.1
1991		23.8	62.9	0.0	1.8	10.7	0.1	0.7
1992		19.8	66.5	0.0	2.3	10.5	0.2	0.8
1993		18.3	67.2	0.0	2.9	10.6	0.3	0.7
1994		15.7	68.2	0.0	3.6	11.2	0.4	0.8
1995		14.6	68.0	0.0	4.6	11.5	0.5	0.9
1996		14.2	67.2	0.0	5.3	11.9	0.6	0.9
1997		13.1	67.8	0.0	5.6	12.0	0.6	0.9
1998		13.7	65.5	0.0	6.4	12.6	0.7	1.2
1999		12.9	64.9	0.0	7.3	12.9	0.7	1.3
2000		13.3	62.5	0.0	8.4	13.7	0.7	1.4
2001		13.4	61.0	0.0	8.7	14.5	0.8	1.6
2002		13.5	59.9	0.0	9.1	14.9	0.8	1.8
2003		13.8	58.6	0.0	9.4	15.4	0.8	2.0
2004		13.4	57.5	0.0	9.8	16.2	0.8	2.4
2005		13.1	56.6	0.0	10.4	16.7	0.9	2.3
2006		13.1	55.9	0.0	10.6	17.3	0.8	2.4
2007		13.4	55.5	0.0	10.4	17.5	0.8	2.5
2008		14.4	53.2	0.0	10.8	18.1	0.8	2.6
2009		13.2	54.0	0.0	10.7	18.6	0.9	2.7
2010		15.0	51.3	0.3	10.8	19.1	0.9	2.7
2011		16.3	49.5	0.4	11.1	19.0	0.8	2.8
2012		15.4	48.8	0.3	11.9	19.3	0.8	3.4
2013		15.6	48.4	0.2	11.8	19.4	0.8	3.7
2014		16.6	48.1	0.2	10.8	19.2	0.7	4.3
2015		16.1	49.1	0.2	9.9	19.0	0.7	4.9
2016		14.6	50.9	0.2	9.8	18.9	0.8	4.8
2017 ^p		14.4	50.8	0.2	10.0	18.8	0.8	5.1
2015	12	15.5	48.3	0.2	12.6	17.6	1.3	4.5
2016	1	13.2	46.7	0.2	15.1	18.5	1.7	4.6
	2	12.5	47.6	0.2	14.6	19.0	1.4	4.6
	3	13.7	48.5	0.2	13.0	18.8	1.1	4.8
	4	14.7	49.9	0.2	10.0	19.6	0.6	5.2
	5	14.9	53.4	0.3	7.6	18.5	0.3	4.9
	6	14.6	52.8	0.4	6.8	19.8	0.3	5.4
	7	16.4	51.5	0.4	6.6	19.9	0.3	5.0
	8	14.9	53.7	0.2	5.7	20.3	0.2	5.0
	9	16.0	52.8	0.2	5.9	19.9	0.2	5.0
	10	16.1	53.2	0.2	7.2	18.2	0.4	4.8
	11	15.1	51.1	0.2	10.4	17.8	1.0	4.6
	12	13.2	50.2	0.2	13.0	17.6	1.3	4.5
2017 ^p	1	14.1	46.4	0.2	14.7	18.3	1.6	4.8
	2	12.8	46.4	0.2	15.2	19.2	1.4	4.8
	3	14.2	49.4	0.2	12.5	17.8	1.1	4.8
	4	14.3	50.0	0.2	10.3	19.2	0.6	5.3
	5	15.1	53.3	0.2	7.6	18.3	0.3	5.2
	6	15.3	52.9	0.2	6.7	19.1	0.3	5.6
	7	15.6	53.0	0.2	6.1	19.7	0.3	5.1
	8	14.7	52.7	0.2	5.9	20.9	0.3	5.4
	9	14.9	53.3	0.2	6.3	19.8	0.2	5.3
	10	14.1	55.1	0.2	7.0	18.0	0.4	5.1
	11	14.7	50.9	0.2	10.7	17.7	1.0	4.8
	12	13.4	47.9	0.2	14.5	17.8	1.6	4.6
2016	1-12	14.6	50.9	0.2	9.8	18.9	0.8	4.8
2017 ^p	1-12	14.4	50.8	0.2	10.0	18.8	0.8	5.1

□ 최종에너지 부문별 소비 Final energy consumption by sector

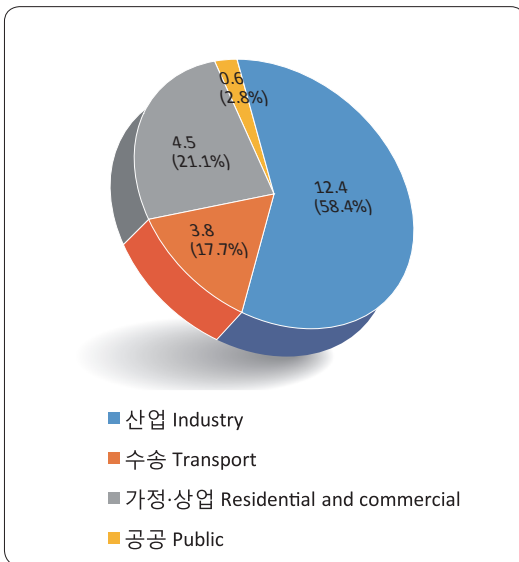
<1990~2017^p>



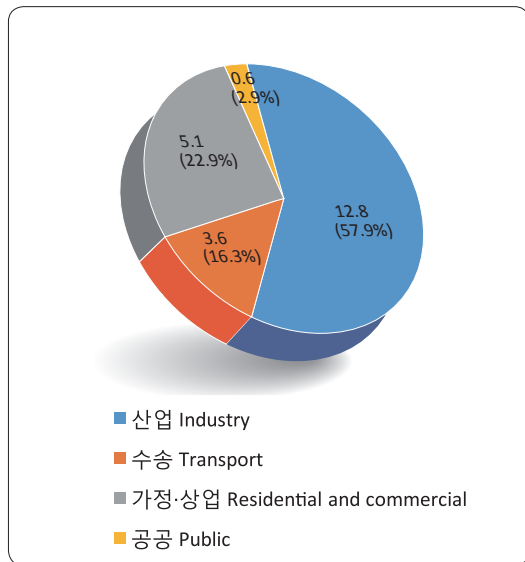
<월별 Monthly>



□ 2016년 12월 December 2016(%)



□ 2017년 12월 December 2017^p(%)



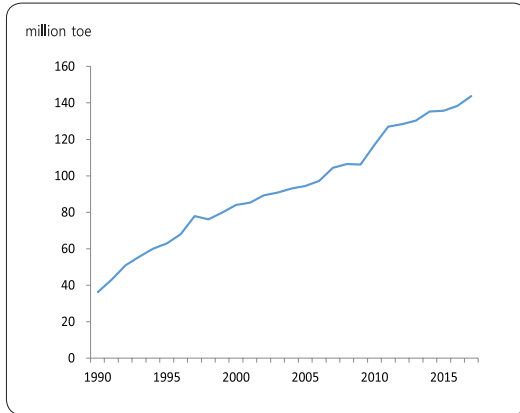
2.2.1 최종에너지 부문별 소비

Final energy consumption by sector

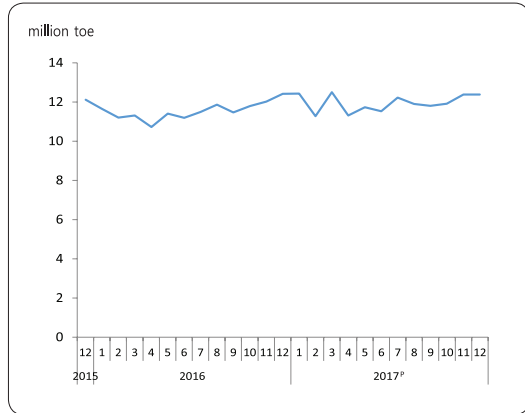
		합계 Total	산업 Industry	수송 Transport	가정·상업 Residential and commercial	공공 Public
		1,000 toe				
1990		75,107	36,150	14,173	21,971	2,812
1991		83,803	42,914	16,156	21,919	2,813
1992		94,623	50,825	18,531	23,008	2,259
1993		104,048	55,591	21,119	25,042	2,296
1994		112,206	59,937	23,860	25,941	2,467
1995		121,962	62,946	27,148	29,451	2,416
1996		132,033	67,868	29,792	31,713	2,659
1997		144,432	77,908	30,738	33,071	2,715
1998		132,128	76,039	26,184	27,418	2,487
1999		143,060	79,858	28,625	31,929	2,648
2000		149,864	83,925	30,945	32,370	2,625
2001		152,959	85,167	31,909	32,893	2,989
2002		160,456	89,203	33,763	34,299	3,191
2003		164,001	90,811	34,632	34,964	3,593
2004		166,013	92,996	34,615	34,807	3,595
2005		170,859	94,370	35,559	36,861	4,068
2006		173,586	97,237	36,527	35,987	3,836
2007		181,459	104,332	37,068	35,916	4,143
2008		182,594	106,477	35,793	36,225	4,100
2009		182,182	106,235	35,930	35,722	4,295
2010		195,723	117,046	36,938	37,256	4,483
2011		205,982	127,005	36,875	37,542	4,560
2012		208,247	128,451	37,143	37,884	4,769
2013		210,296	130,379	37,330	37,408	5,178
2014		213,843	135,331	37,636	35,539	5,336
2015		218,361	135,713	40,292	36,603	5,753
2016		225,681	138,469	42,714	38,261	6,237
2017 ^p		232,502	143,833	43,014	39,301	6,354
2015	12	20,392	12,125	3,486	4,227	555
2016	1	20,783	11,649	3,477	5,058	599
	2	19,727	11,194	3,228	4,714	591
	3	19,369	11,307	3,539	3,943	580
	4	17,628	10,699	3,575	2,872	482
	5	17,760	11,400	3,624	2,303	433
	6	17,256	11,184	3,392	2,109	571
	7	17,545	11,480	3,508	2,160	397
	8	18,808	11,861	3,950	2,471	526
	9	17,821	11,461	3,568	2,310	483
	10	18,220	11,792	3,554	2,412	462
	11	19,485	12,023	3,534	3,420	509
	12	21,279	12,419	3,767	4,488	605
2017 ^p	1	21,261	12,434	3,283	4,944	601
	2	19,937	11,270	3,294	4,771	603
	3	20,587	12,508	3,616	3,896	567
	4	18,251	11,300	3,482	2,980	490
	5	18,203	11,730	3,720	2,297	456
	6	17,850	11,517	3,629	2,174	531
	7	18,817	12,227	3,839	2,284	467
	8	18,674	11,905	3,740	2,505	524
	9	18,361	11,798	3,708	2,362	493
	10	18,353	11,915	3,539	2,447	452
	11	20,027	12,389	3,541	3,562	535
	12	22,180	12,840	3,624	5,080	636
2016	1-12	225,681	138,469	42,741	38,261	6,237
2017 ^p	1-12	232,502	143,833	43,014	39,301	6,354

□ 산업 Industry

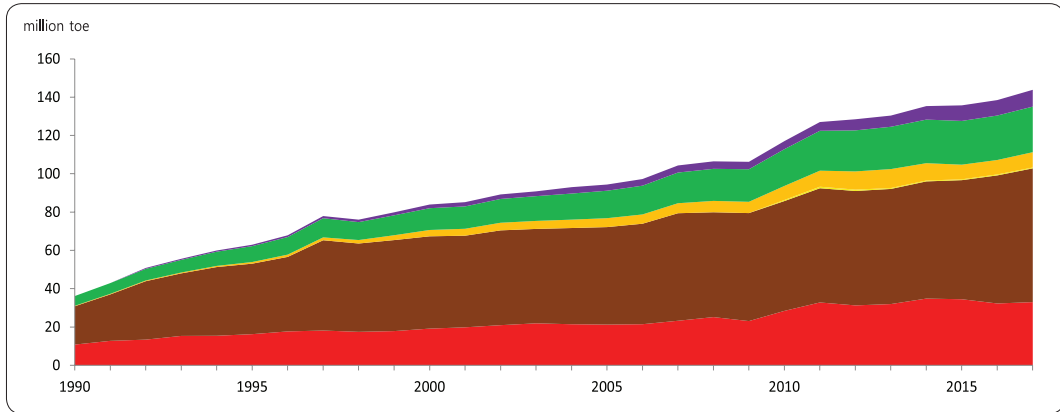
<1990~2017^p>



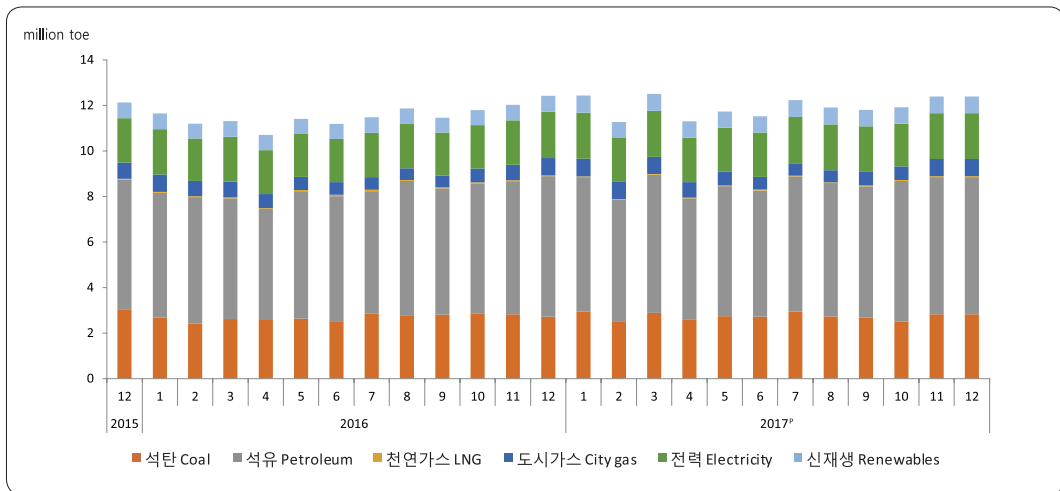
<월별 Monthly>



<1990~2017^p>



<월별 Monthly>



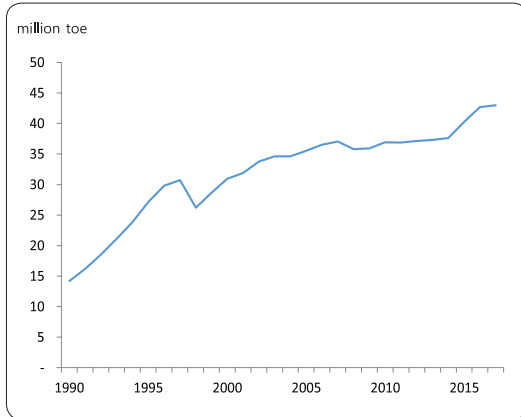
2.2.2 산업

Industry

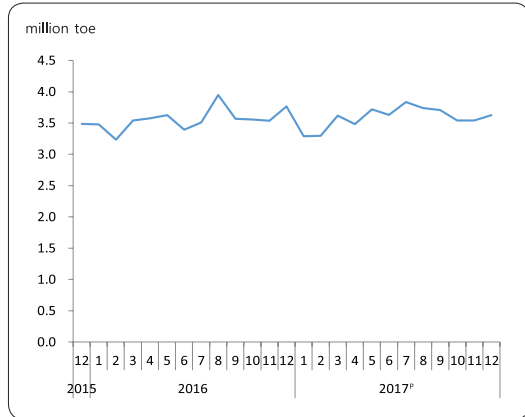
		합계 Total	석탄 Coal	석유 Petroleum	천연가스 LNG	도시가스 City gas	전력 Electricity	신재생 Renewables
		1,000 toe						
1990		36,150	10,806	20,014	-	235	5,095	0
1991		42,914	12,745	24,251	-	313	5,606	0
1992		50,825	13,388	30,514	-	377	6,063	482
1993		55,591	15,327	32,654	-	460	6,581	569
1994		59,937	15,403	35,881	-	600	7,426	626
1995		62,946	16,244	36,810	-	863	8,293	736
1996		67,868	17,668	38,913	-	1,196	9,179	912
1997		77,908	18,139	47,141	-	1,496	10,009	1,123
1998		76,039	17,448	46,133	-	1,812	9,359	1,287
1999		79,858	17,845	47,521	-	2,530	10,394	1,568
2000		83,925	19,141	48,193	0	3,308	11,374	1,908
2001		85,167	19,814	47,848	-	3,612	11,678	2,215
2002		89,203	20,938	49,499	-	3,984	12,423	2,359
2003		90,811	21,894	49,304	-	4,177	12,933	2,503
2004		92,996	21,423	50,236	-	4,382	13,617	3,337
2005		94,370	21,242	50,905	-	4,656	14,346	3,222
2006		97,237	21,435	52,474	-	4,847	15,021	3,459
2007		104,332	23,240	56,150	-	5,225	16,018	3,699
2008		106,477	25,149	54,745	-	5,933	16,738	3,912
2009		106,235	23,072	56,391	-	5,891	17,006	3,876
2010		117,046	28,400	57,351	559	7,329	19,193	4,215
2011		127,005	32,791	59,635	801	8,383	20,830	4,564
2012		128,451	31,259	59,748	717	9,501	21,426	5,800
2013		130,379	31,959	60,114	467	9,903	22,088	5,849
2014		135,331	34,820	61,188	460	9,050	22,757	7,055
2015		135,713	34,474	62,186	437	7,644	22,844	8,126
2016		138,469	32,269	66,879	504	7,537	23,218	8,063
2017 ^p		143,833	32,977	69,839	444	8,004	23,794	8,775
2015	12	12,125	3,041	5,694	40	716	1,944	691
2016	1	11,649	2,676	5,480	40	765	1,995	693
	2	11,194	2,418	5,553	38	673	1,865	648
	3	11,307	2,611	5,309	34	697	1,972	685
	4	10,699	2,570	4,886	33	620	1,923	668
	5	11,400	2,632	5,593	53	579	1,888	656
	6	11,184	2,517	5,495	65	557	1,893	658
	7	11,480	2,869	5,362	64	548	1,958	680
	8	11,861	2,786	5,890	42	512	1,952	678
	9	11,461	2,804	5,555	34	520	1,891	657
	10	11,792	2,848	5,732	33	613	1,905	662
	11	12,023	2,819	5,855	34	689	1,949	677
	12	12,419	2,721	6,168	34	764	2,028	704
2017 ^p	1	12,434	2,936	5,908	39	774	2,023	754
	2	11,270	2,491	5,364	32	748	1,930	705
	3	12,508	2,883	6,069	36	754	2,021	745
	4	11,300	2,600	5,313	38	678	1,943	727
	5	11,730	2,744	5,704	37	615	1,917	713
	6	11,517	2,718	5,546	34	562	1,941	716
	7	12,227	2,941	5,936	37	541	2,032	740
	8	11,905	2,730	5,853	39	532	2,013	738
	9	11,798	2,689	5,754	36	597	2,008	715
	10	11,915	2,514	6,170	42	595	1,873	720
	11	12,389	2,823	6,029	36	757	2,008	736
	12	12,840	2,908	6,193	39	850	2,804	766
2016	1-12	138,469	32,269	66,879	504	7,537	23,218	8,063
2017 ^p	1-12	143,382	32,977	69,839	444	8,004	23,794	8,775

☐ 수송 Transportation

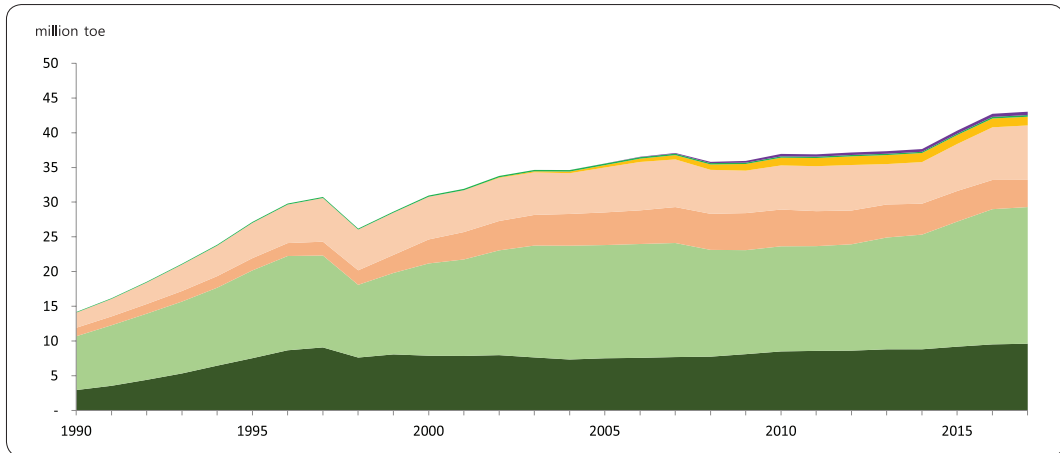
<1990~2017^p>



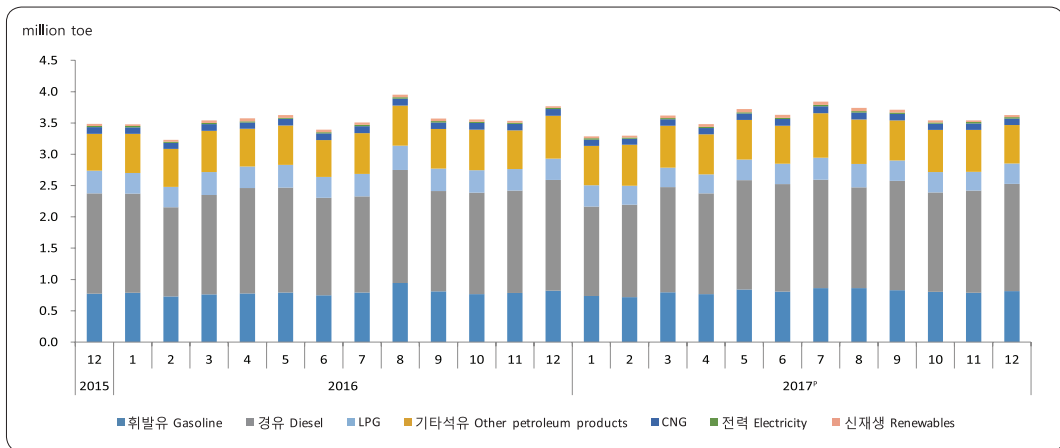
<월별 Monthly>



<1990~2017^p>



<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		23,860	6,452	11,224	1,663	-	124	-
1995		27,148	7,527	12,640	1,765	-	138	-
1996		29,792	8,664	13,573	1,861	-	145	-
1997		30,738	9,074	13,235	1,990	-	151	-
1998		26,184	7,618	10,470	2,090	-	136	-
1999		28,625	8,070	11,725	2,599	-	149	-
2000		30,945	7,883	13,284	3,453	-	175	-
2001		31,909	7,848	13,892	3,946	7	194	-
2002		33,763	7,961	15,089	4,229	80	195	-
2003		34,632	7,634	16,106	4,415	146	200	-
2004		34,615	7,335	16,389	4,566	237	213	5
2005		35,559	7,512	16,301	4,704	339	224	13
2006		36,527	7,574	16,393	4,844	475	218	53
2007		37,068	7,686	16,423	5,174	615	209	96
2008		35,793	7,745	15,375	5,191	777	196	178
2009		35,930	8,105	14,976	5,332	960	187	254
2010		36,938	8,498	15,134	5,294	1,112	188	357
2011		36,875	8,578	15,080	5,036	1,174	193	336
2012		37,143	8,612	15,314	4,863	1,248	194	360
2013		37,330	8,802	16,100	4,755	1,299	186	369
2014		37,636	8,805	16,511	4,455	1,307	172	396
2015		40,292	9,186	18,012	4,405	1,288	191	441
2016		42,714	9,511	19,471	4,209	1,270	231	443
2017 ^o		43,014	9,612	19,670	3,915	1,251	242	481
2015	12	3,486	772	1,603	361	109	17	35
2016	1	3,477	786	1,585	328	104	20	28
	2	3,228	730	1,423	326	96	20	28
	3	3,539	763	1,586	364	106	19	41
	4	3,575	778	1,683	342	103	17	49
	5	3,624	792	1,673	365	106	18	42
	6	3,392	748	1,557	333	108	18	41
	7	3,508	791	1,534	362	112	20	39
	8	3,950	943	1,805	387	112	23	40
	9	3,568	810	1,600	362	103	20	40
	10	3,554	767	1,620	357	108	18	36
	11	3,534	784	1,634	345	104	18	31
	12	3,767	821	1,769	338	107	19	27
2017 ^o	1	3,283	735	1,429	340	101	21	30
	2	3,294	716	1,478	302	95	20	28
	3	3,616	796	1,677	313	105	18	38
	4	3,482	764	1,611	305	101	18	45
	5	3,720	841	1,743	331	106	19	50
	6	3,629	806	1,715	327	107	19	49
	7	3,839	862	1,731	349	112	22	52
	8	3,740	861	1,611	370	110	23	52
	9	3,708	828	1,745	326	105	21	42
	10	3,539	802	1,589	323	100	19	34
	11	3,541	789	1,629	300	104	20	28
	12	3,624	813	1,711	328	106	22	33
2016	1-12	42,714	9,511	19,471	4,209	1,270	231	443
2017 ^o	1-12	43,014	9,612	19,670	3,915	1,251	242	481

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	16,766	5,205	9,027	-	4,960	3,916	455	322
1991	16,345	5,574	7,170	-	6,081	4,080	810	350
1992	16,428	6,580	5,288	-	7,607	4,798	1,314	446
1993	17,117	7,924	3,731	-	8,811	5,858	2,016	434
1994	17,402	8,539	2,267	-	9,453	5,923	2,769	544
1995	19,554	9,897	1,514	-	11,016	6,616	3,767	839
1996	21,344	10,369	1,050	-	12,200	6,423	4,515	1,073
1997	21,245	11,826	779	-	11,408	7,312	5,297	1,139
1998	17,407	10,011	703	-	7,571	5,558	5,341	1,112
1999	20,276	11,653	653	-	9,154	6,400	6,409	1,374
2000	21,401	10,969	718	-	8,994	4,499	7,353	1,671
2001	21,674	11,220	727	-	8,889	3,585	7,526	1,885
2002	22,508	11,791	697	-	8,623	3,332	8,109	2,132
2003	22,591	12,374	722	-	8,040	3,116	8,530	2,359
2004	22,788	12,019	775	-	7,736	2,037	8,636	2,657
2005	22,494	14,368	1,075	-	6,073	3,364	9,524	2,979
2006	21,436	14,551	1,227	-	4,657	2,857	9,685	3,173
2007	21,067	14,849	1,014	-	4,318	2,731	9,723	3,108
2008	21,132	15,093	1,088	-	4,167	2,487	9,624	3,139
2009	20,537	15,185	940	-	3,860	2,327	9,267	3,065
2010	21,185	16,070	901	-	4,053	2,397	9,366	3,122
2011	21,621	15,921	871	-	3,735	2,194	10,125	3,076
2012	21,318	16,567	832	-	3,272	2,091	10,109	3,688
2013	20,934	16,474	872	-	3,075	1,917	9,849	3,730
2014	19,701	15,838	745	-	2,965	1,736	9,124	3,476
2015	20,137	16,466	672	-	3,186	2,127	9,192	3,469
2016	21,256	17,005	571	-	3,632	2,047	9,647	3,645
2017 ^p	21,892	17,409	512	-	3,570	2,138	10,231	3,673
2015	12	4,227	116	-	439	243	1,322	413
2016	1	5,058	78	-	533	232	1,759	498
	2	4,714	57	-	421	200	1,669	435
	3	3,943	41	-	360	193	1,330	369
	4	2,872	18	-	237	151	781	250
	5	2,303	11	-	199	146	456	211
	6	2,109	10	-	159	119	283	227
	7	2,160	6	-	135	119	238	248
	8	2,471	16	-	193	136	181	258
	9	2,310	42	-	221	144	211	207
	10	2,412	89	-	283	161	378	202
	11	3,420	115	-	379	207	908	309
	12	4,488	88	-	511	239	1,452	430
2017 ^p	1	4,944	60	-	449	237	1,763	476
	2	4,771	53	-	401	194	1,729	445
	3	3,896	37	-	329	177	1,335	375
	4	2,980	17	-	225	151	849	254
	5	2,297	8	-	194	141	438	220
	6	2,174	7	-	176	144	294	227
	7	2,284	4	-	152	134	223	261
	8	2,505	9	-	184	148	194	256
	9	2,362	50	-	236	155	238	209
	10	2,447	79	-	284	169	393	204
	11	3,562	117	-	396	221	965	313
	12	5,080	71	-	545	266	1,811	433
2016	1-12	38,261	571	-	3,632	2,047	9,647	3,645
2017 ^p	1-12	39,301	512	-	3,570	2,138	10,231	3,673

주 1. 신재생 월수치는 가정, 상업 합계임.

2. 연탄소비는 모두 가정부문에 포함.

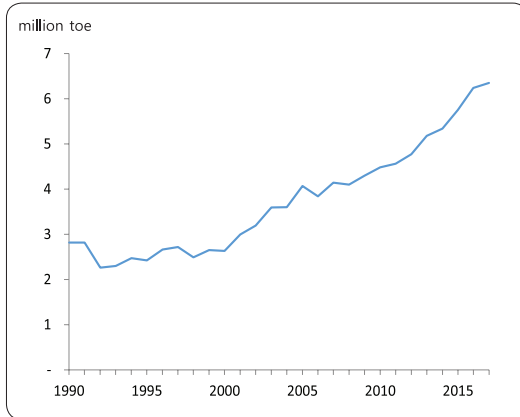
Residential and commercial

전력 Electricity		열 Heat		신재생 Renewables		
가정 Residential	상업 Commercial	가정 Residential	상업 Commercial	가정 Residential	상업 Commercial	
1,000 toe						
1,525	895	69	6	731	66	1990
1,675	1,057	72	7	538	80	1991
1,874	1,300	135	7	210	29	1992
2,057	1,606	354	2	148	24	1993
2,284	2,011	440	14	190	48	1994
2,434	2,367	610	22	212	53	1995
2,635	2,829	762	33	182	10	1996
2,765	3,325	850	42	146	8	1997
2,831	3,291	807	41	154	8	1998
2,974	3,819	928	54	159	5	1999
3,191	4,700	1,030	66	115	33	2000
3,372	5,633	1,050	75	109	42	2001
3,636	6,223	1,118	78	325	26	2002
3,833	6,752	1,180	89	286	58	2003
4,181	7,172	1,204	108	256	47	2004
4,375	7,858	1,358	133	89	34	2005
4,517	8,366	1,272	119	79	37	2006
4,659	8,854	1,285	116	69	39	2007
4,836	9,308	1,351	125	65	35	2008
4,953	9,640	1,388	120	129	33	2009
5,263	10,373	1,531	145	72	33	2010
5,295	10,463	1,512	149	84	38	2011
5,464	10,585	1,553	159	88	44	2012
5,501	10,576	1,499	158	138	94	2013
5,390	10,316	1,373	155	103	156	2014
5,486	10,533	1,357	163	243	174	2015
5,691	10,959	1,484	187	231	167	2016
5,720	11,216	1,595	212	263	169	2017 ^P
465	936	234	23	36		12 2015
498	1,081	312	31	37		1 2016
508	1,109	253	24	38		2
454	960	188	16	33		3
453	849	92	8	31		4
424	768	51	8	29		5
432	808	30	11	30		6
460	879	27	15	32		7
600	1,012	18	17	40		8
515	899	25	10	35		9
426	774	64	7	29		10
452	836	168	15	31		11
469	986	255	24	34		12
500	1,092	297	30	40		1 2017 ^P
508	1,118	256	26	41		2
440	953	196	18	36		3
460	878	103	9	34		4
426	778	52	9	31		5
432	815	35	12	32		6
493	936	27	20	35		7
600	1,026	26	19	43		8
487	906	32	11	38		9
429	783	67	7	32		10
456	855	188	18	34		11
488	1,077	318	34	37		12
5,691	10,959	1,484	187	398		1-12 2016
5,720	11,216	1,595	212	432		1-12 2017 ^P

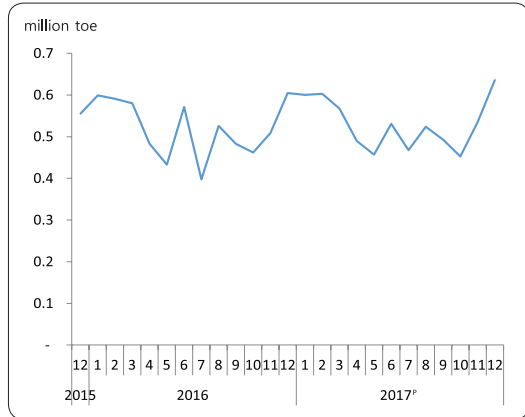
Note 1. Coal and monthly data of renewables include commercial.
 2. All briquette consumption is included in the residential.

□ 공공 Public

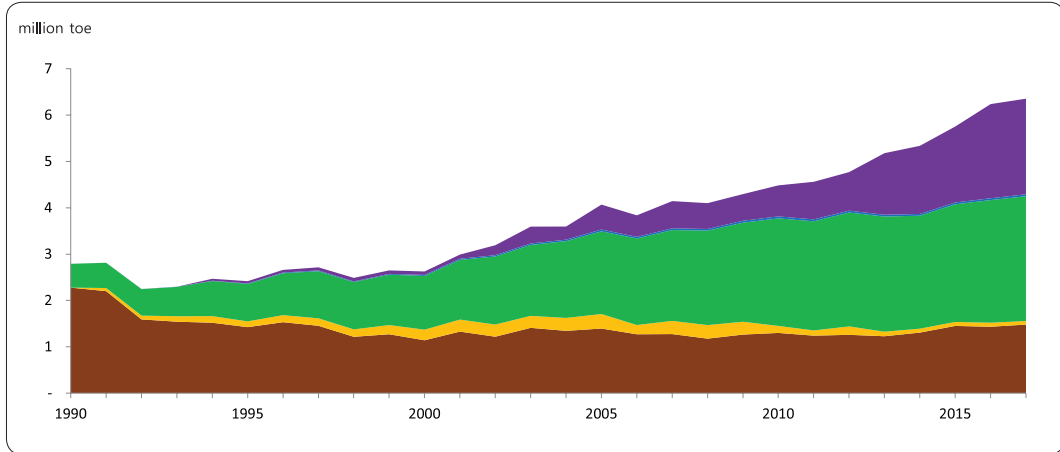
<1990~2017^p>



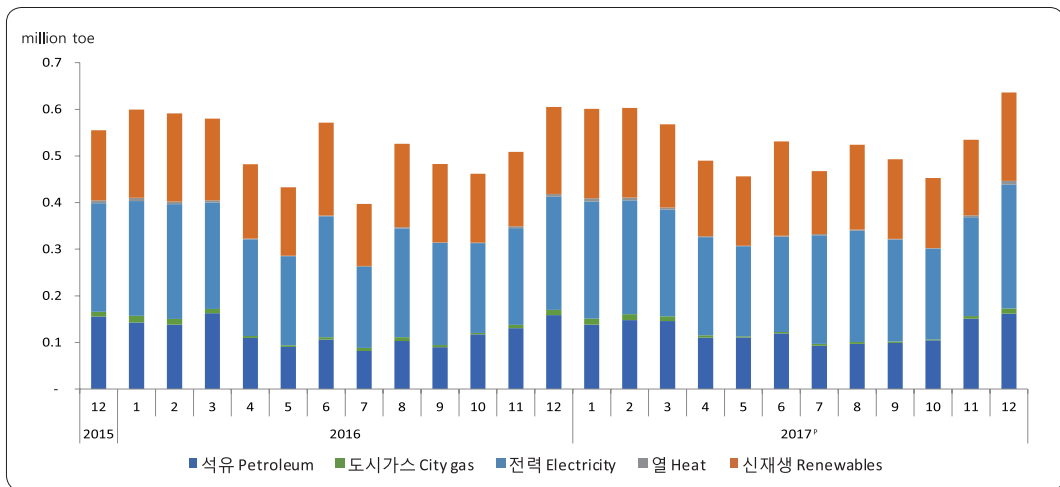
<월별 Monthly>



<1990~2017^p>



<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		2,259	1,590	82	572	1	1
1993		2,296	1,541	117	633	4	1
1994		2,467	1,519	143	757	6	42
1995		2,416	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		2,487	1,215	160	1,022	13	77
1999		2,648	1,270	199	1,086	18	75
2000		2,625	1,140	229	1,160	22	74
2001		2,989	1,327	259	1,288	25	90
2002		3,191	1,217	262	1,470	27	215
2003		3,593	1,408	259	1,531	32	364
2004		3,595	1,343	279	1,658	31	283
2005		4,068	1,393	313	1,785	39	538
2006		3,836	1,270	199	1,868	34	464
2007		4,143	1,274	285	1,960	37	588
2008		4,100	1,175	292	2,039	36	557
2009		4,295	1,263	277	2,138	42	575
2010		4,483	1,299	152	2,321	42	669
2011		4,560	1,240	112	2,355	41	811
2012		4,769	1,258	181	2,459	40	832
2013		5,178	1,227	98	2,485	38	1,329
2014		5,336	1,306	85	2,438	38	1,470
2015		5,753	1,450	85	2,540	39	1,639
2016		6,237	1,432	88	2,646	39	2,032
2017 ^p		6,354	1,479	77	2,694	42	2,063
2015	12	555	156	10	233	7	150
2016	1	599	143	14	246	7	189
	2	591	138	12	246	6	189
	3	580	163	9	229	4	176
	4	482	110	4	208	2	159
	5	433	91	3	191	1	147
	6	571	106	5	259	2	199
	7	397	82	7	173	2	133
	8	526	103	8	233	3	179
	9	483	90	5	219	1	168
	10	462	118	3	192	1	148
	11	509	131	7	208	4	160
	12	605	159	11	243	6	186
2017 ^p	1	601	138	13	251	7	192
	2	603	148	13	244	6	192
	3	567	146	10	229	5	178
	4	490	110	5	210	2	162
	5	456	111	3	193	1	149
	6	531	120	3	205	2	202
	7	467	93	4	233	3	135
	8	524	97	4	238	3	182
	9	493	99	3	219	1	170
	10	452	104	2	195	1	150
	11	535	151	6	212	4	162
	12	636	162	11	266	8	189
2016	1-12	6,237	1,432	88	2,646	39	2,032
2017 ^p	1-12	6,354	1,479	77	2,694	42	2,063

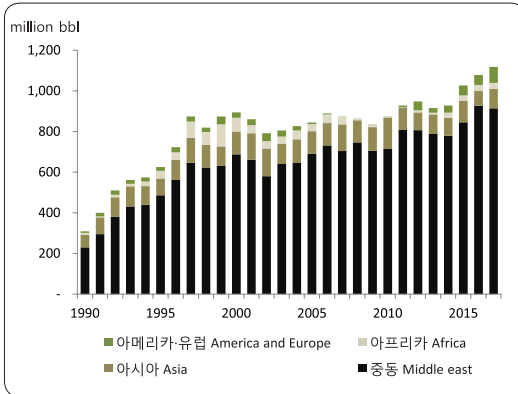
3. 석유

Petroleum

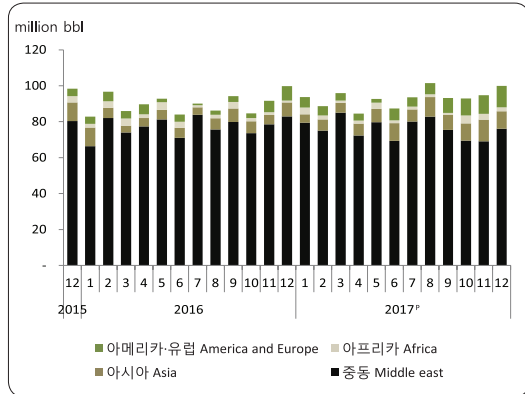


□ 원유 수입 Crude oil imports

<1990~2017^p>

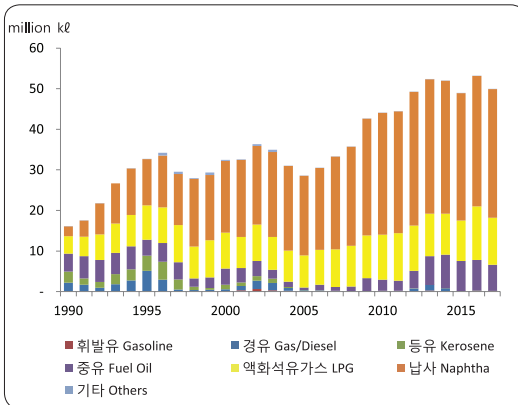


<월별 Monthly>

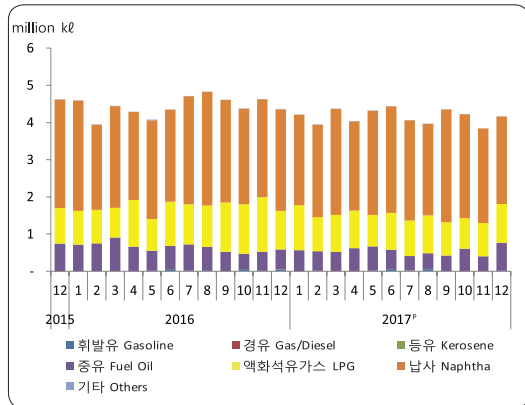


□ 석유제품 수입 Petroleum products imports

<1990~2017^p>

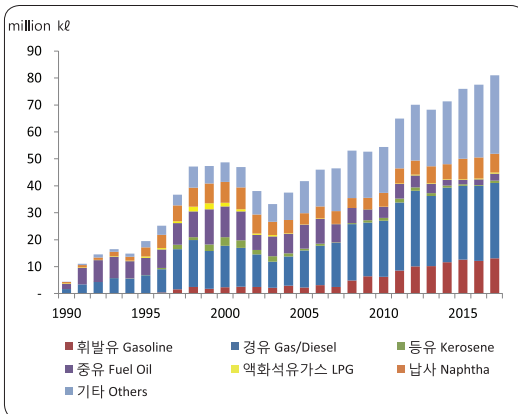


<월별 Monthly>

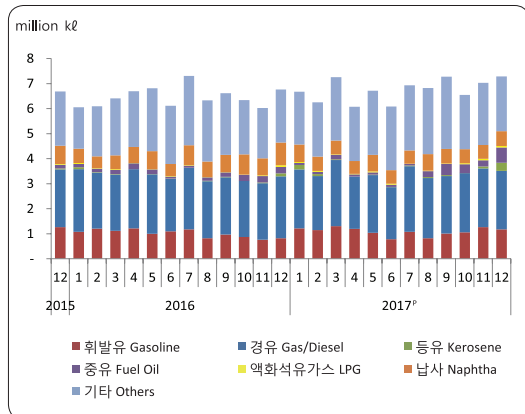


□ 석유제품 수출 Petroleum products exports

<1990~2017^p>

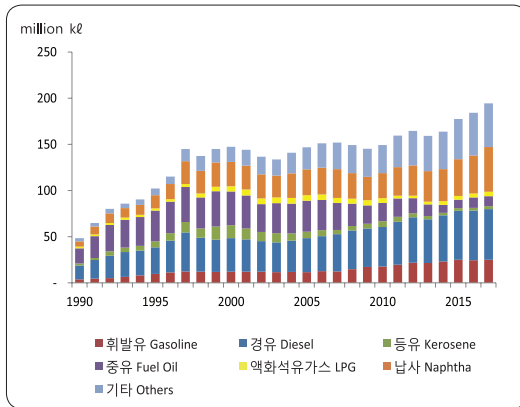


<월별 Monthly>

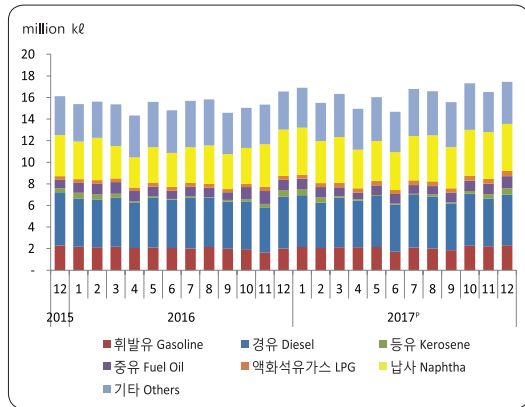


□ 석유제품 생산 Petroleum products production

<1990~2017^P>

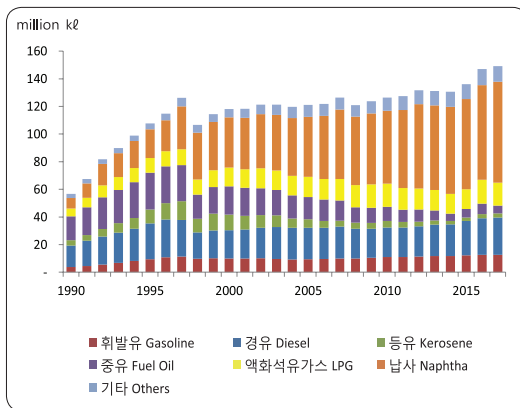


<월별 Monthly>

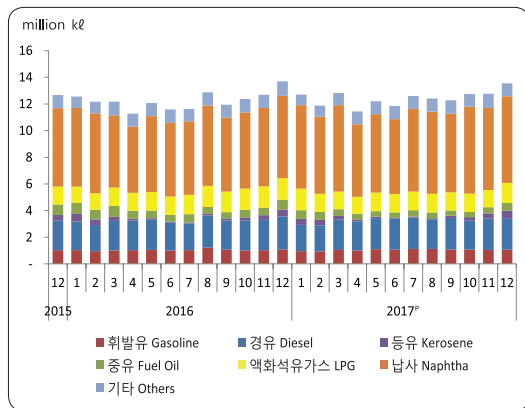


□ 석유제품 1차에너지 공급 Primary energy supply of petroleum products

<1990~2017^P>

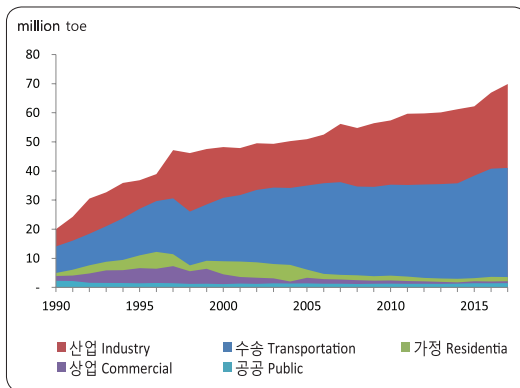


<월별 Monthly>

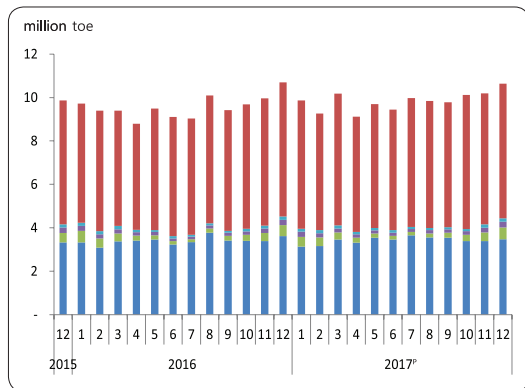


□ 석유제품 최종에너지 부문별 소비 Final energy consumption of petroleum products by sector

<1990~2017^P>



<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 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 ^p	217	1,118,167	42,080	1,117,376	76,474	5,471	3,059	100.08	
2015	12	8	98,264	37,407	91,725	5,400	442	3,059	96.73
2016	1	8	82,741	28,040	91,499	4,187	467	3,059	96.49
	2	7	96,655	34,086	90,494	3,914	438	3,059	102.01
	3	7	85,905	30,837	89,078	4,706	432	3,059	93.94
	4	3	89,702	35,432	85,003	4,414	491	3,059	92.63
	5	8	92,698	36,565	91,417	3,603	442	3,059	96.40
	6	5	83,982	34,346	86,061	4,648	413	3,059	93.78
	7	14	90,076	32,461	91,833	4,041	461	3,059	96.84
	8	5	86,146	29,585	88,890	4,579	479	3,059	93.74
	9	-	94,153	39,248	84,354	3,514	459	3,059	91.92
	10	4	84,633	35,310	88,453	3,540	431	3,059	93.28
	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 ^p	1	22	93,663	37,222	98,224	5,869	433	3,059	103.58
	2	20	88,607	37,870	87,855	5,665	434	3,059	102.57
	3	20	95,913	40,291	93,424	5,399	448	3,059	109.07
	4	20	84,523	38,908	85,813	5,566	463	3,059	100.19
	5	21	92,650	40,068	91,361	5,750	475	3,059	106.66
	6	20	87,328	43,300	84,005	7,411	474	3,059	98.08
	7	18	93,580	39,889	96,884	6,567	428	3,059	113.11
	8	14	101,450	44,639	96,508	5,278	527	3,059	112.67
	9	17	93,091	49,072	88,480	6,818	416	3,059	103.30
	10	11	92,843	43,695	98,891	5,920	451	3,059	115.46
	11	17	94,667	42,496	95,771	7,753	446	3,059	111.81
	12	19	99,851	42,080	100,160	8,478	476	3,059	116.94
2016	1-12	104	1,078,119	41,847	1,071,731	52,340	5,444	3,059	95.99
2017 ^p	1-12	217	1,118,167	42,080	1,117,376	76,474	5,471	3,059	100.08

1. 울산 동해-1 가스전에서 2004년부터 생산하고 있음.

2. 첨가제 및 산소성분

3. 국내 모든 정유사 정제능력의 합계

4. 정제능력 대비 해당 월의 1일 원유처리(투입)량의 비율

자료: 한국석유공사-PEDSIS

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

2. Additives and oxygenates.

3. Sum of all the refineries in Korea.

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

Source: Korea National Oil Corporation-PEDSIS

3.2 석유제품 수급

Petroleum products supply and demand

		생산 Production	수입 Imports	수출 Exports	국제병커링 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 ^a		194,482	49,921	80,941	9,402	8,306	149,161
2015	12	16,116	4,619	6,684	862	8,184	12,662
2016	1	15,368	4,596	6,050	895	8,411	12,551
	2	15,612	3,949	6,094	795	8,617	12,156
	3	15,366	4,442	6,410	902	8,661	12,152
	4	14,318	4,285	6,697	846	8,229	11,260
	5	15,589	4,079	6,815	790	8,015	12,073
	6	14,794	4,346	6,107	796	8,379	11,583
	7	15,669	4,708	7,303	861	8,818	11,624
	8	15,812	4,825	6,327	781	9,098	12,872
	9	14,583	4,604	6,616	789	8,765	11,935
	10	15,040	4,371	6,338	736	8,758	12,368
	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 ^a	1	16,892	4,206	6,672	864	8,432	12,707
	2	15,486	3,941	6,253	731	8,699	11,860
	3	16,314	4,369	7,251	819	8,106	12,821
	4	14,945	4,032	6,075	744	8,518	11,438
	5	16,013	4,320	6,714	785	8,739	12,205
	6	14,663	4,437	6,077	761	8,553	11,852
	7	16,776	4,057	6,933	795	8,667	12,585
	8	16,571	3,967	6,825	785	8,954	12,405
	9	15,571	4,355	7,276	731	8,501	12,263
	10	17,308	4,230	6,546	729	9,497	12,729
	11	16,498	3,839	7,031	851	8,765	12,756
	12	17,445	4,167	7,287	806	8,306	13,539
2016	1-12	184,042	53,197	77,539	9,936	7,981	146,933
2017 ^a	1-12	194,482	49,921	80,941	9,402	8,306	149,161

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 ^a	1,118,167	913,446	611,461	285,545	97,233	27,818	69,415
2015 12	98,264	80,371	53,014	25,439	10,306	2,396	7,910
2016 1	82,741	66,372	39,606	25,719	10,353	2,214	8,139
2	96,655	82,023	51,842	29,184	5,697	-	5,697
3	85,905	73,956	51,997	21,050	3,772	1,415	2,357
4	89,702	77,382	55,018	22,365	4,604	1,052	3,552
5	92,698	81,164	53,891	27,014	5,348	1,541	3,807
6	83,982	71,021	45,747	24,220	5,579	962	4,616
7	90,076	83,785	53,743	28,583	4,177	743	3,434
8	86,146	75,596	50,385	23,757	6,296	2,874	3,422
9	94,153	79,839	54,051	24,233	7,538	2,316	5,222
10	84,633	73,542	50,298	21,680	6,625	2,177	4,448
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 ^a 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	92,843	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	44,869	29,431	9,689	1,781	7,908
2016 1-12	1,078,119	926,201	612,451	301,437	72,756	19,644	53,112
2017 ^a 1-12	1,118,167	913,446	611,461	285,545	97,233	27,818	69,415

1. 임가공과 개발도입 물량 포함.
자료: 한국석유공사-PEDSIS

Crude oil imports by contract type

아프리카 Africa			아메리카·유럽 America and Europe			계약형태 비중 ² Share of contract type		
소계 ¹ Sub-total	장기계약 Long-term	현물 Spot	소계 ¹ 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
28,188	10,580	17,608	79,300	37,762	41,538	61.50	37.03	2017 ^P
3,552	-	3,552	4,035	1,000	3,035	57.41	40.64	12 2015
1,991	-	1,991	4,025	964	3,061	51.71	47.02	1 2016
3,552	-	3,552	5,383	3,333	2,050	57.08	41.88	2
4,049	1,098	2,951	4,127	2,129	1,998	65.93	33.01	3
2,126	-	2,126	5,590	3,596	1,994	66.52	33.48	4
4,258	-	4,258	1,928	1,928	-	61.88	37.84	5
3,389	2,116	1,272	3,993	2,000	1,993	60.52	38.22	6
1,115	-	1,115	1,000	1,000	-	61.60	32.97	7
1,964	-	1,964	2,290	-	2,290	61.82	34.80	8
3,580	1,063	2,517	3,195	2,195	999	63.33	33.28	9
1,892	-	1,892	2,573	2,573	-	65.04	30.09	10
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 ^P
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	2,091	9,774	50.91	49.28	12
30,496	4,277	26,218	48,667	27,222	21,444	61.55	37.31	1-12 2016
28,188	10,580	17,608	79,300	37,762	41,538	61.50	37.03	1-12 2017 ^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 ²	1,118,167	913,446	319,221	90,971	147,873	160,368	3,876	64,934	
2015	12	98,264	80,371	26,489	9,826	1,777	14,529	703	10,211
2016	1	82,741	66,372	23,052	6,507	6,467	11,319	1,109	7,848
	2	96,655	82,023	27,370	7,294	8,184	13,160	744	9,106
	3	85,905	73,956	23,459	6,538	8,198	12,935	4,026	6,989
	4	89,702	77,382	31,007	6,324	7,114	9,881	2,038	6,947
	5	92,698	81,164	27,568	7,435	9,822	17,109	1,991	8,245
	6	83,982	71,021	22,618	6,629	8,418	12,677	1,026	6,652
	7	90,076	83,785	30,053	7,646	9,024	16,123	1,632	9,633
	8	86,146	75,596	27,190	8,364	8,606	12,764	2,361	6,435
	9	94,153	79,839	27,428	7,551	12,175	14,723	-	6,468
	10	84,633	73,542	27,491	8,967	7,051	13,276	299	7,481
	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 ²	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	92,843	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
2016	1-12	1,078,119	926,201	324,448	87,743	111,942	159,273	16,317	88,150
2017 ²	1-12	1,118,167	913,446	319,221	90,971	147,873	160,368	3,876	64,934

1. 기타 국가 물량 포함
2. 아프리카 국가는 앙골라, 나이지리아, 콩고, 예멘, 오만 등임.
3. 아메리카 국가는 에콰도르, 미국, 멕시코, 브라질 등임.
4. 유럽 국가는 러시아, 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	28,188	44,453	34,847		2017 ^P
10,306	1,068	150	1,225	911	3,552	1,000	3,035	12	2015
10,353	508	-	3,159	-	1,991	1,926	2,099	1	2016
5,697	594	-	2,479	626	3,552	240	5,143	2	
3,772	367	-	-	1,200	4,049	3,160	967	3	
4,604	717	-	650	-	2,126	2,982	2,608	4	
5,348	384	645	1,832	286	4,258	1,928	-	5	
5,579	622	-	649	-	3,389	3,993	-	6	
4,177	85	596	-	-	1,115	1,000	-	7	
6,296	300	-	328	288	1,964	2,290	-	8	
7,538	691	314	1,352	-	3,580	3,195	-	9	
6,625	777	-	650	600	1,892	900	1,674	10	
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 ^P
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	
72,756	6,412	1,554	12,049	3,001	30,496	30,080	18,587	1-12	2016
97,233	8,624	3,606	11,679	2,606	28,188	44,453	34,847	1-12	2017 ^P

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

2. Angola, Nigeria, Republic of the Congo, Yemen, Oman, etc.

3. Ecuador, US, Mexico, Brazil, etc.

4. Russia, 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 ^p		49,921	179	37	6	6,365	11,581	31,738	14
2015	12	4,619	-	1	1	744	954	2,920	0
2016	1	4,596	-	-	2	715	905	2,971	3
	2	3,949	-	-	1	750	899	2,295	4
	3	4,442	-	6	-	905	798	2,733	0
	4	4,285	-	1	-	659	1,254	2,368	3
	5	4,079	12	3	-	535	857	2,651	21
	6	4,346	54	4	-	628	1,182	2,478	0
	7	4,708	13	3	-	711	1,073	2,909	0
	8	4,825	25	3	-	627	1,111	3,059	0
	9	4,604	-	2	-	524	1,322	2,755	0
	10	4,371	53	3	-	415	1,328	2,572	1
	11	4,625	13	2	-	511	1,468	2,632	0
	12	4,366	52	5	-	529	1,042	2,726	12
2017 ^p	1	4,206	-	2	1	565	1,203	2,435	0
	2	3,941	12	2	-	522	920	2,484	0
	3	4,369	-	4	-	514	997	2,851	2
	4	4,032	-	4	-	620	1,008	2,400	0
	5	4,320	19	2	-	646	847	2,806	0
	6	4,437	58	2	1	520	987	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	3,839	-	3	-	398	897	2,541	-
	12	4,167	13	2	-	747	1,044	2,356	5
2016	1-12	53,197	221	32	3	7,508	13,239	32,150	44
2017 ^p	1-12	49,921	179	37	6	6,365	11,581	31,738	14

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 ^p		80,941	13,071	28,006	831	2,573	384	7,026	29,050
2015	12	6,684	1,264	2,307	42	144	34	721	2,173
2016	1	6,050	1,079	2,502	80	128	42	566	1,654
	2	6,094	1,203	2,238	23	132	27	471	2,000
	3	6,410	1,116	2,248	19	170	30	545	2,282
	4	6,697	1,214	2,369	-	232	13	634	2,234
	5	6,815	999	2,378	9	181	10	723	2,515
	6	6,107	1,101	2,098	9	72	23	488	2,317
	7	7,303	1,177	2,461	-	79	21	794	2,771
	8	6,327	821	2,272	28	133	7	622	2,444
	9	6,616	967	2,286	16	180	13	686	2,467
	10	6,338	867	2,239	5	240	16	801	2,171
	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 ^p	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
2016	1-12	77,539	12,124	27,827	328	2,066	297	7,912	26,985
2017 ^p	1-12	80,941	13,071	28,006	831	2,573	384	7,026	29,050

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 ^o	194,482	25,105	54,839	3,163	10,670	5,016	48,366	47,323
	2015	12	16,116	2,285	4,923	383	777	339	3,807	3,602
	2016	1	15,368	2,168	4,479	530	912	337	3,484	3,458
		2	15,612	2,119	4,421	472	973	344	3,925	3,358
		3	15,366	2,182	4,556	344	1,064	362	2,995	3,863
		4	14,318	2,058	4,179	136	951	325	2,804	3,865
		5	15,589	2,108	4,625	138	855	373	3,295	4,194
		6	14,794	2,047	4,479	78	752	365	3,140	3,934
		7	15,669	2,006	4,738	139	841	371	3,304	4,271
		8	15,812	2,137	4,558	45	891	360	3,558	4,262
		9	14,583	1,978	4,376	144	722	288	3,234	3,841
		10	15,040	1,946	4,426	210	1,127	280	3,341	3,711
		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 ^o	1	16,892	2,151	4,779	589	947	368	4,364	3,694
		2	15,486	2,061	4,187	479	959	381	3,900	3,519
		3	16,314	2,133	4,575	132	828	432	4,236	3,979
		4	14,945	2,120	4,319	130	594	420	3,574	3,788
		5	16,013	2,150	4,719	90	904	410	3,693	4,046
		6	14,663	1,717	4,347	106	892	353	3,518	3,731
		7	16,776	2,105	4,855	118	806	434	4,104	4,353
		8	16,571	2,017	4,802	198	782	437	4,249	4,087
		9	15,571	1,847	4,341	98	900	402	3,802	4,181
		10	17,308	2,273	4,795	252	973	450	4,247	4,319
		11	16,498	2,224	4,425	387	977	440	4,332	3,714
		12	17,445	2,307	4,695	584	1,109	490	4,346	3,913
	2016	1-12	184,042	24,413	53,819	3,103	11,282	4,138	41,306	45,980
	2017 ^o	1-12	194,482	25,105	54,839	3,163	10,670	5,016	48,366	47,323

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 ^a		149,161	12,658	26,846	3,020	5,694	16,666	72,870	11,406
2015	12	12,662	1,024	2,238	420	780	1,333	5,884	983
2016	1	12,551	1,035	2,151	570	815	1,227	5,891	863
	2	12,156	960	1,957	414	725	1,245	5,986	868
	3	12,152	1,010	2,211	296	818	1,380	5,426	1,011
	4	11,260	1,024	2,221	141	604	1,342	4,973	955
	5	12,073	1,050	2,276	103	578	1,378	5,688	1,000
	6	11,583	988	2,114	73	500	1,383	5,529	996
	7	11,624	1,039	1,992	66	631	1,462	5,509	926
	8	12,872	1,239	2,397	116	521	1,573	6,042	983
	9	11,935	1,071	2,191	154	460	1,540	5,551	968
	10	12,368	1,019	2,228	240	585	1,581	5,711	1,004
	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 ^a	1	12,707	963	1,959	456	655	1,610	6,250	814
	2	11,860	935	1,962	400	602	1,357	5,783	822
	3	12,821	1,044	2,281	280	491	1,324	6,480	921
	4	11,438	1,005	2,190	146	419	1,279	5,429	971
	5	12,205	1,106	2,325	114	409	1,402	5,873	975
	6	11,852	1,061	2,348	84	367	1,384	5,620	987
	7	12,585	1,131	2,336	82	481	1,394	6,198	963
	8	12,405	1,132	2,201	98	422	1,408	6,148	995
	9	12,263	1,094	2,354	172	391	1,354	5,911	987
	10	12,729	1,067	2,188	247	388	1,388	6,508	944
	11	12,756	1,052	2,343	387	475	1,273	6,170	1,056
	12	13,539	1,068	2,358	555	595	1,493	6,499	970
2016	1-12	146,933	12,548	26,480	3,030	7,549	17,323	68,378	11,625
2017 ^a	1-12	149,161	12,658	26,846	3,020	5,694	16,666	72,870	11,406

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	331	8,829	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 ^p	25,105	179	13,071	902	12,658	12,658	240	12,308	13	97	
2015	12	2,285	-	1,264	812	1,024	1,024	17	993	2	11
2016	1	2,168	-	1,079	863	1,035	1,035	15	1,010	2	8
	2	2,119	-	1,203	819	960	960	13	938	2	8
	3	2,182	-	1,116	865	1,010	1,010	20	981	2	8
	4	2,058	-	1,214	683	1,024	1,024	16	999	1	7
	5	2,108	12	999	759	1,050	1,050	21	1,019	2	8
	6	2,047	54	1,101	814	988	988	18	961	2	7
	7	2,006	13	1,177	637	1,039	1,039	14	1,016	0	9
	8	2,137	25	821	760	1,239	1,239	19	1,212	0	8
	9	1,978	-	967	704	1,071	1,071	21	1,041	1	7
	10	1,946	53	867	818	1,019	1,019	24	986	1	8
	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 ^p	1	2,151	-	1,215	890	963	963	14	941	0	7
	2	2,061	12	1,147	898	935	935	11	917	1	6
	3	2,133	-	1,301	744	1,044	1,044	17	1,019	1	7
	4	2,120	-	1,199	702	1,005	1,005	20	978	1	7
	5	2,150	19	1,038	762	1,106	1,106	20	1,077	1	8
	6	1,717	58	778	722	1,061	1,061	20	1,032	1	8
	7	2,105	22	1,076	672	1,131	1,131	18	1,104	1	9
	8	2,017	55	820	836	1,132	1,132	21	1,102	1	8
	9	1,847	-	1,009	720	1,094	1,094	23	1,061	1	9
	10	2,273	-	1,053	828	1,067	1,067	30	1,026	1	9
	11	2,224	-	1,263	787	1,052	1,052	31	1,011	1	9
	12	2,307	13	1,173	902	1,068	1,068	17	1,041	1	9
2016	1-12	24,413	221	12,124	906	12,548	12,548	214	12,225	15	93
2017 ^p	1-12	25,105	179	13,071	902	12,658	12,658	240	12,308	13	97

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											
		15,033	2,160	1,662	527	15,493	...	...	...	...	...
		20,234	1,718	3,285	760	18,207	17,880	3,768	9,560	1,201	3,352
		24,257	919	4,312	1,075	20,260	19,613	3,929	10,412	1,650	3,622
		26,704	1,785	5,677	1,273	21,943	21,604	4,619	12,433	2,046	2,505
		26,875	2,772	5,455	1,362	23,413	22,953	4,435	12,200	1,983	4,335
		28,761	5,118	6,748	1,767	25,932	24,962	4,659	13,738	2,136	4,429
		34,411	2,948	8,618	1,875	27,410	25,763	4,932	14,752	2,168	3,909
		41,999	498	14,898	1,949	26,517	25,136	5,055	14,386	1,637	4,057
		36,964	349	17,367	1,631	19,137	18,840	3,736	11,380	624	3,100
		34,765	367	14,047	1,534	20,043	19,869	3,654	12,744	436	3,034
		36,248	448	15,370	1,630	20,577	20,498	3,987	14,439	138	1,934
		34,800	1,062	14,379	1,416	21,013	20,964	4,001	15,100	70	1,794
		33,027	2,055	12,120	1,130	21,947	21,836	3,687	16,401	260	1,487
		32,222	1,771	9,669	1,162	23,111	22,743	3,359	17,507	472	1,406
		33,792	682	10,817	1,423	22,862	22,810	4,168	16,745	1,231	665
		36,720	304	13,655	1,180	22,660	22,638	3,051	17,719	1,166	703
		37,894	251	14,550	1,328	22,645	22,613	3,264	17,819	773	757
		40,254	122	16,371	1,621	23,105	23,075	3,336	18,148	817	775
		42,047	59	20,817	1,363	21,385	21,353	2,985	16,985	650	732
		41,608	133	19,948	1,186	21,035	21,012	3,067	16,546	625	775
		42,670	121	20,789	1,322	21,407	21,368	3,233	16,723	570	842
		46,468	151	25,307	1,177	21,329	21,232	3,193	16,663	573	803
		49,243	760	28,055	1,491	21,737	21,556	3,112	16,997	558	889
		47,342	1,367	26,035	1,517	22,738	22,619	3,276	17,869	612	862
		50,001	819	27,686	1,380	23,027	23,006	3,015	18,326	656	1,009
		53,009	42	27,345	1,761	24,860	24,846	2,794	19,991	911	1,150
		53,819	32	27,827	1,369	26,480	26,451	2,697	21,610	1,002	1,141
		54,839	37	28,006	1,504	26,846	26,832	2,803	21,784	1,003	1,242
2015	12	4,923	1	2,307	1,761	2,238	2,235	246	1,779	90	120
2016	1	4,479	-	2,502	1,565	2,151	2,150	208	1,759	82	100
	2	4,421	-	2,238	1,786	1,957	1,956	203	1,579	70	104
	3	4,556	6	2,248	1,890	2,211	2,209	242	1,761	88	118
	4	4,179	1	2,369	1,512	2,221	2,219	166	1,868	94	92
	5	4,625	3	2,378	1,458	2,276	2,270	239	1,857	86	88
	6	4,479	4	2,098	1,738	2,114	2,111	216	1,728	80	87
	7	4,738	3	2,461	1,991	1,992	1,989	155	1,703	63	69
	8	4,558	3	2,272	1,931	2,397	2,395	213	2,003	93	85
	9	4,376	2	2,286	1,841	2,191	2,189	255	1,776	76	82
	10	4,426	3	2,239	1,879	2,228	2,225	254	1,798	77	96
	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 ^p	1	4,779	2	2,357	1,836	1,959	1,958	207	1,582	70	98
	2	4,187	2	2,159	1,915	1,962	1,961	146	1,637	70	108
	3	4,575	4	2,644	1,565	2,281	2,279	215	1,858	91	116
	4	4,319	4	2,086	1,649	2,190	2,190	224	1,784	89	93
	5	4,719	2	2,302	1,764	2,325	2,325	208	1,930	88	98
	6	4,347	2	2,081	1,570	2,348	2,347	255	1,899	88	106
	7	4,855	4	2,625	1,481	2,336	2,336	257	1,917	73	89
	8	4,802	5	2,406	1,810	2,201	2,200	236	1,784	84	95
	9	4,341	4	2,293	1,592	2,354	2,353	241	1,932	83	96
	10	4,795	3	2,364	1,718	2,188	2,185	253	1,760	76	96
	11	4,425	3	2,347	1,478	2,343	2,341	334	1,804	89	114
	12	4,695	2	2,341	1,504	2,358	2,356	227	1,895	102	132
2016	1-12	53,819	32	27,827	1,369	26,480	26,451	2,697	21,610	1,002	1,141
2017 ^p	1-12	54,839	37	28,006	1,504	26,846	26,832	2,803	21,784	1,003	1,242

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	6,735	906	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 ^p	3,163	6	831	289	3,020	2,889	168	17	2,114	589	
2015	12	383	1	42	354	420	419	22	1	304	92
2016	1	530	2	80	282	570	570	29	0	418	122
	2	472	1	23	339	414	413	26	0	303	85
	3	344	-	19	417	296	295	16	0	221	58
	4	136	-	-	400	141	140	10	0	102	29
	5	138	-	9	433	103	103	10	0	71	22
	6	78	-	9	433	73	71	5	0	48	17
	7	139	-	-	510	66	59	6	0	41	11
	8	45	-	28	411	116	104	8	0	75	21
	9	144	-	16	425	154	145	8	0	111	25
	10	210	-	5	410	240	222	13	0	170	40
	11	322	-	25	354	356	339	16	0	254	69
	12	546	-	114	353	502	492	24	2	367	99
2017 ^p	1	589	1	174	398	456	452	23	2	328	98
	2	479	-	72	448	400	384	21	1	280	82
	3	132	-	33	325	280	267	15	1	199	52
	4	130	-	-	336	146	139	8	1	98	31
	5	90	-	20	305	114	97	6	1	69	21
	6	106	1	12	326	84	78	7	0	54	17
	7	118	-	28	327	82	68	6	1	47	16
	8	198	1	41	405	98	85	7	1	62	15
	9	98	2	46	314	172	162	9	1	123	28
	10	252	-	9	362	247	237	17	2	177	42
	11	387	-	74	351	387	378	23	2	278	75
	12	584	-	322	289	555	542	27	4	399	112
2016	1-12	3,103	3	328	353	3,030	2,953	172	3	2,181	597
2017 ^p	1-12	3,163	6	831	289	3,020	2,889	168	17	2,114	589

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									
1990	16,366	4,397	1,922	576	17,278	...	...	...	...	...
1991	23,559	5,439	6,030	984	20,180	13,672	10,181	1,589	932	970
1992	28,518	5,449	8,062	1,492	22,971	15,132	11,202	1,925	993	1,012
1993	30,067	5,187	7,900	1,318	23,853	16,115	11,447	2,439	797	1,432
1994	31,221	5,642	6,372	1,773	26,098	17,396	12,544	2,796	1,134	921
1995	33,268	3,947	6,397	1,630	26,642	17,394	12,112	3,242	1,145	896
1996	34,167	4,633	6,848	1,781	26,721	17,936	12,452	3,546	1,034	905
1997	37,852	4,254	7,988	2,016	26,191	18,148	11,119	5,395	787	848
1998	33,403	2,055	9,577	1,723	17,591	14,052	9,238	3,879	562	373
1999	38,248	2,623	13,096	1,664	19,175	15,260	10,346	3,994	531	389
2000	36,640	3,992	11,472	1,855	20,624	14,297	9,410	4,020	518	348
2001	35,874	3,548	10,654	1,951	20,361	13,378	8,739	3,839	468	332
2002	30,068	3,768	5,568	1,845	19,316	13,269	8,569	3,919	456	325
2003	32,433	2,199	7,287	1,630	18,414	12,627	7,880	3,971	432	344
2004	32,110	1,317	7,240	1,873	16,690	11,733	7,461	3,665	325	282
2005	33,569	639	8,914	1,487	15,980	11,077	6,723	3,686	333	335
2006	32,971	1,389	9,263	1,708	15,404	10,728	6,048	3,987	302	391
2007	29,289	940	6,789	1,498	14,755	9,929	5,398	3,717	276	539
2008	23,939	1,143	5,597	1,517	11,128	8,385	4,497	3,282	245	362
2009	19,806	3,157	4,037	1,449	11,038	7,364	3,937	2,961	231	236
2010	20,059	2,779	4,064	1,595	10,381	7,002	3,647	2,943	201	211
2011	19,860	2,447	5,439	1,786	8,744	6,362	2,969	3,048	172	172
2012	16,314	4,316	4,465	1,684	8,666	5,163	2,058	2,839	133	133
2013	12,633	7,040	3,505	1,673	7,372	3,749	1,432	2,097	97	124
2014	8,772	8,268	2,126	1,797	5,289	3,512	1,312	2,039	61	101
2015	9,217	7,430	1,693	1,879	6,097	4,090	1,360	2,524	58	148
2016	11,282	7,508	2,066	1,677	7,549	4,537	1,428	2,952	51	106
2017 ^p	10,670	6,365	2,573	1,849	5,694	4,511	1,274	3,049	44	145
2015 12	777	744	144	1,879	780	414	136	257	9	13
2016 1	912	715	128	1,718	815	400	124	256	9	11
2	973	750	132	1,839	725	356	123	214	10	9
3	1,064	905	170	1,889	818	421	134	270	8	9
4	951	659	232	1,851	604	342	109	222	3	7
5	855	535	181	1,787	578	383	125	245	3	10
6	752	628	72	1,820	500	340	107	224	2	8
7	841	711	79	1,903	631	382	106	268	1	8
8	891	627	133	1,832	521	351	104	239	1	8
9	722	524	180	1,734	460	360	114	236	2	8
10	1,127	415	240	1,802	585	387	116	258	4	9
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 ^p 1	947	565	81	1,663	655	398	106	269	6	17
2	959	522	90	1,788	602	382	98	267	6	10
3	828	514	172	1,737	491	426	118	290	6	12
4	594	620	89	1,782	419	375	111	249	3	12
5	904	646	95	1,952	409	362	101	249	2	10
6	892	520	92	2,096	367	321	95	212	2	11
7	806	386	61	2,044	481	392	106	273	1	11
8	782	426	239	1,955	422	365	95	258	1	10
9	900	414	439	1,857	391	362	119	228	2	13
10	973	606	350	2,066	388	358	96	249	3	10
11	977	398	251	1,956	475	408	118	272	5	13
12	1,109	747	615	1,849	595	363	110	232	6	15
2016 1-12	11,282	7,508	2,066	1,677	7,549	4,537	1,428	2,952	51	106
2017 ^p 1-12	10,670	6,365	2,573	1,849	5,694	4,511	1,274	3,049	44	145

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	7,633	1,699	3,869	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 ^p	2,763	6,082	200	351	8,957	8,855	3,956	3,312	613	973
2015 12	185	509	18	312	721	716	236	305	66	110
2016 1	183	479	22	300	663	659	221	277	66	94
2	188	476	14	297	673	667	239	275	67	85
3	199	416	16	179	744	735	272	307	62	94
4	178	670	7	313	724	715	304	289	48	75
5	205	460	6	244	745	734	310	308	45	71
6	201	628	12	333	747	737	365	281	34	57
7	204	575	11	343	794	785	389	306	33	57
8	198	598	4	301	852	842	418	327	34	64
9	157	708	7	321	830	823	406	305	42	70
10	153	706	8	287	850	845	418	301	48	78
11	210	767	15	408	857	852	397	291	59	106
12	191	543	33	274	862	857	394	285	72	107
2017 ^p 1	201	631	18	250	863	856	386	288	75	107
2	209	474	24	231	726	720	307	255	70	89
3	238	517	13	293	710	698	298	265	53	82
4	231	529	12	368	685	676	305	258	44	69
5	226	450	18	302	755	741	354	280	42	66
6	195	527	18	291	746	738	361	276	37	63
7	240	503	2	304	752	745	354	295	35	61
8	242	536	7	350	760	753	327	313	41	71
9	222	475	13	355	729	720	335	276	40	69
10	248	430	20	299	748	740	340	274	46	81
11	242	470	29	327	684	673	268	254	54	98
12	269	540	27	351	800	795	323	277	78	117
2016 1-12	2,268	7,025	155	274	9,340	9,251	4,132	3,552	610	957
2017 ^p 1-12	2,763	6,082	200	351	8,957	8,855	3,956	3,312	613	973

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

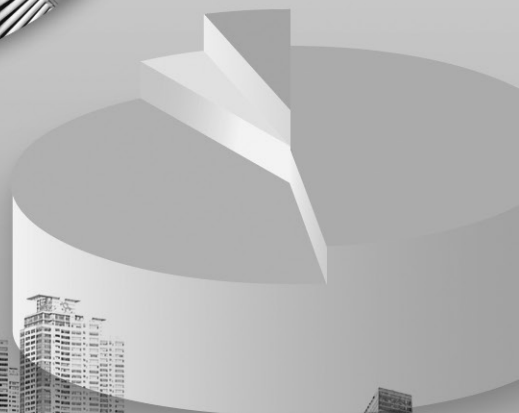
	생산 Production	수입 Import	수출 Export	재고 Stock	공급 ¹ Supply	소비 Consumption				
						합계 Total	산업 Industry	수송 Transport	가정 Residential	상업·공공 Commercial/ Public
1,000 ton										
1990	3,861	1,676	362	185	5,173	...	...	-	-	-
1991	5,771	2,705	612	334	7,144	7,144	7,144	-	-	-
1992	7,099	5,216	591	696	10,570	10,570	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 ^p	33,095	21,718	4,808	1,110	49,863	49,863	49,863	-	-	-
2015 12	2,605	1,998	493	1,319	4,026	4,026	4,026	-	-	-
2016 1	2,384	2,033	387	1,458	4,031	4,031	4,031	-	-	-
2016 2	2,686	1,571	322	1,442	4,096	4,096	4,096	-	-	-
2016 3	2,049	1,870	373	1,460	3,713	3,713	3,713	-	-	-
2016 4	1,919	1,620	434	1,339	3,403	3,403	3,403	-	-	-
2016 5	2,254	1,814	495	1,210	3,892	3,892	3,892	-	-	-
2016 6	2,149	1,696	334	1,110	3,783	3,783	3,783	-	-	-
2016 7	2,261	1,991	543	1,220	3,770	3,770	3,770	-	-	-
2016 8	2,435	2,093	426	1,413	4,135	4,135	4,135	-	-	-
2016 9	2,213	1,885	470	1,442	3,798	3,798	3,798	-	-	-
2016 10	2,286	1,760	548	1,357	3,908	3,908	3,908	-	-	-
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 ^p 1	2,986	1,666	483	1,232	4,276	4,276	4,276	-	-	-
2017 ^p 2	2,669	1,700	390	1,251	3,957	3,957	3,957	-	-	-
2017 ^p 3	2,898	1,951	375	1,247	4,434	4,434	4,434	-	-	-
2017 ^p 4	2,446	1,643	351	1,250	3,715	3,715	3,715	-	-	-
2017 ^p 5	2,527	1,920	452	1,268	4,019	4,019	4,019	-	-	-
2017 ^p 6	2,408	1,963	369	1,392	3,846	3,846	3,846	-	-	-
2017 ^p 7	2,808	1,844	367	1,402	4,241	4,241	4,241	-	-	-
2017 ^p 8	2,907	1,688	454	1,249	4,207	4,207	4,207	-	-	-
2017 ^p 9	2,602	2,079	396	1,433	4,045	4,045	4,045	-	-	-
2017 ^p 10	2,906	1,914	388	1,400	4,453	4,453	4,453	-	-	-
2017 ^p 11	2,964	1,739	377	1,448	4,222	4,222	4,222	-	-	-
2017 ^p 12	2,974	1,612	406	1,110	4,447	4,447	4,447	-	-	-
2016 1-12	28,265	21,999	5,414	1,339	46,789	46,789	46,789	-	-	-
2017 ^p 1-12	33,095	21,718	4,808	1,110	49,863	49,863	49,863	-	-	-

자료: 한국석유공사-PEDSIS

Source: Korea National Oil Corporation-PEDSIS

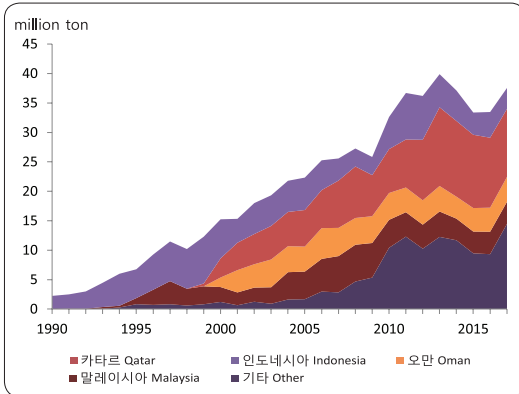
4. 가스

Natural gas & City gas

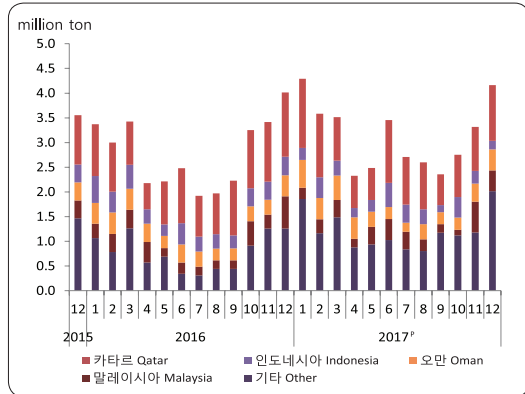


□ 천연가스 수입 Natural gas import

<1990~2017^p>

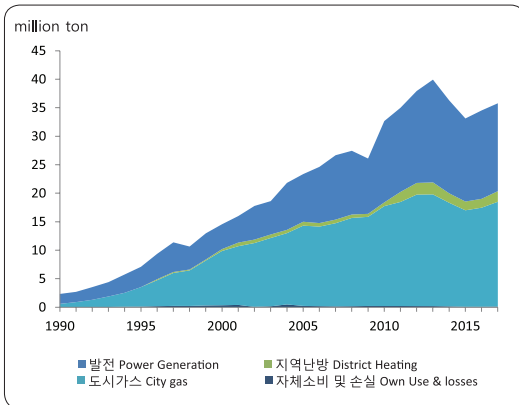


<월별 Monthly>

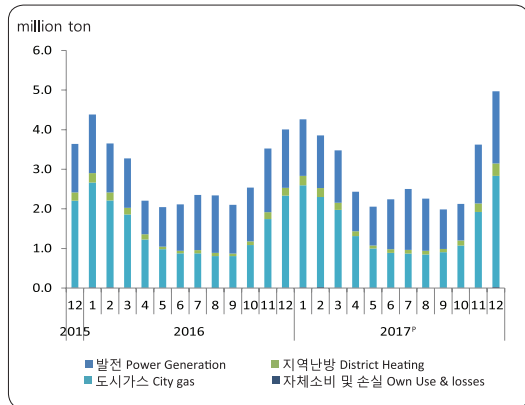


□ 천연가스 소비 Natural gas consumption

<1990~2017^p>

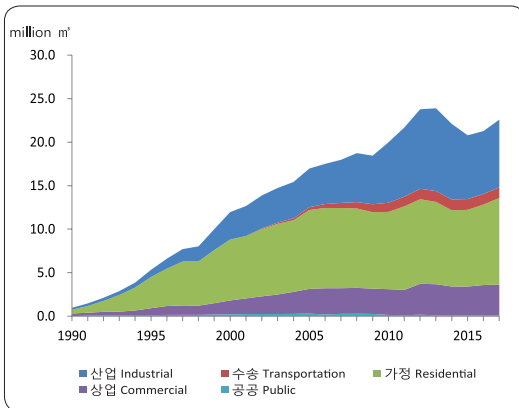


<월별 Monthly>

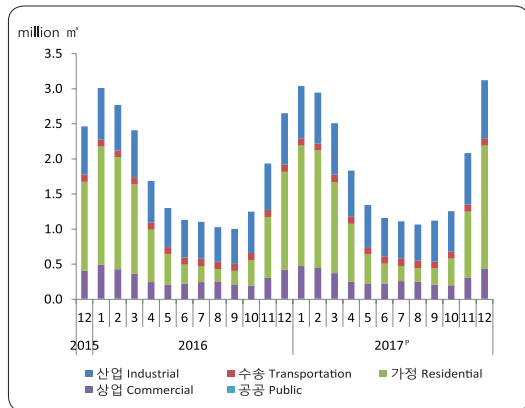


□ 도시가스 소비 City gas consumption

<1990~2017^p>



<월별 Monthly>



4.1. 천연가스 수입

Natural gas import

	카고수 ¹ No. of cargos unit	수입액 Import value million US\$	수입량 Import volume						
			합계 Total	카타르 Qatar	인도네시아 Indonesia	오만 Oman	말레이시아 Malaysia	기타 ² Other	
			1,000 ton						
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 ³	506	15,616	37,537	11,554	3,542	4,231	3,749	14,461	
2015	12	45	1,609	3,551	999	360	363	362	1,465
2016	1	54	1,403	3,370	1,050	542	424	288	1,066
	2	44	1,208	3,001	995	422	433	369	782
	3	56	1,289	3,425	878	482	426	378	1,262
	4	32	745	2,176	526	296	367	417	570
	5	35	689	2,214	875	233	243	173	690
	6	34	735	2,478	1,114	427	365	231	341
	7	30	586	1,918	823	303	305	180	308
	8	30	651	1,967	822	292	241	173	439
	9	30	786	2,227	1,110	260	243	174	440
	10	48	1,232	3,250	1,179	363	305	494	909
	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 ³	1	63	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	32	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
2016	1-12	500	12,170	33,453	11,880	4,362	4,081	3,813	9,317
2017 ³	1-12	506	15,616	37,537	11,554	3,542	4,231	3,749	14,461

1. 1카고는 58,000톤

2. 나이지리아, 예멘, 브루나이, 페루, 적도기니 등
자료: 한국가스공사, 한국무역협회

1. 1 cargo is 58,000 tons.

2. Nigeria, Yemen, Brunei, Peru, Equatorial Guinea etc.
Source: Korea Gas Corporation, Korea International Trade Association

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 ^p	261	36,115	15,417	1,861	18,390	107	2,308
2015 12	10	3,671	1,229	204	2,200	8	3,034
2016 1	10	4,413	1,483	236	2,646	17	2,207
2016 2	9	3,682	1,237	206	2,191	18	1,471
2016 3	10	3,301	1,248	170	1,850	7	1,819
2016 4	5	2,232	852	133	1,219	3	1,678
2016 5	9	2,082	1,000	60	979	2	1,970
2016 6	5	2,163	1,177	62	873	2	2,152
2016 7	12	2,396	1,389	81	875	2	1,709
2016 8	0	2,373	1,454	80	804	2	1,357
2016 9	0	2,125	1,227	64	805	2	1,446
2016 10	13	2,564	1,359	94	1,082	4	2,131
2016 11	21	3,548	1,609	172	1,736	5	1,991
2016 12	25	4,029	1,470	198	2,323	12	1,695
2017 ^p 1	25	4,288	1,426	240	2,575	18	1,746
2017 ^p 2	22	3,878	1,331	226	2,275	20	1,475
2017 ^p 3	25	3,505	1,328	178	1,960	12	1,554
2017 ^p 4	24	2,463	1,000	122	1,309	3	1,313
2017 ^p 5	25	2,084	981	76	994	4	1,725
2017 ^p 6	24	2,268	1,264	89	885	4	2,535
2017 ^p 7	22	2,527	1,537	92	864	6	2,928
2017 ^p 8	21	2,287	1,319	95	839	5	3,145
2017 ^p 9	20	2,012	1,001	79	901	3	3,506
2017 ^p 10	12	2,158	926	128	1,070	2	3,928
2017 ^p 11	20	3,648	1,485	218	1,911	7	3,484
2017 ^p 12	22	4,997	1,820	318	2,806	23	2,308
2016 1-12	118	34,906	15,507	1,556	17,384	74	1,695
2017 ^p 1-12	261	36,115	15,417	1,861	18,390	107	2,308

1. 산업부문 소비 포함.

자료: 한국가스공사

1. Include industry consumption.

Source: Korea Gas Corporation

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	15,420	4,173	226	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 ^p	18	22,895	23,327	22,581	7,778	1,216	9,943	3,570	74	
2015	12	2	2,727	2,730	2,463	686	104	1,268	396	10
2016	1	2	3,295	3,312	3,011	733	100	1,687	477	14
	2	2	2,728	2,743	2,767	645	92	1,601	417	12
	3	2	2,303	2,316	2,407	668	102	1,275	354	8
	4	2	1,518	1,527	1,686	594	99	749	240	4
	5	2	1,219	1,227	1,301	556	102	437	203	3
	6	2	1,087	1,094	1,130	534	103	271	217	5
	7	2	1,089	1,097	1,105	525	107	228	238	6
	8	2	1,001	1,008	1,028	491	107	174	248	8
	9	2	1,002	1,009	1,003	498	99	203	199	5
	10	2	1,347	1,355	1,249	587	103	362	194	3
	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 ^p	1	3	3,206	3,267	3,039	752	98	1,714	463	12
	2	3	2,833	2,887	2,944	726	92	1,680	432	13
	3	2	2,440	2,486	2,508	733	102	1,298	365	10
	4	1	1,629	1,660	1,835	659	99	825	247	5
	5	1	1,238	1,261	1,341	597	103	425	214	3
	6	1	1,102	1,123	1,158	546	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	517	107	189	249	4
	9	1	1,121	1,142	1,120	580	102	231	203	3
	10	1	1,332	1,357	1,257	578	97	382	198	2
	11	2	2,379	2,424	2,084	736	101	938	304	6
	12	3	3,493	3,559	3,120	826	103	1,760	421	11
2016	1-12	30	21,643	21,770	21,271	7,226	1,217	9,249	3,494	84
2017 ^p	1-12	18	22,895	23,327	22,581	7,778	1,216	9,943	3,570	74

1. 1990, 1991년은 납사 포함.
자료: 한국도시가스협회

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

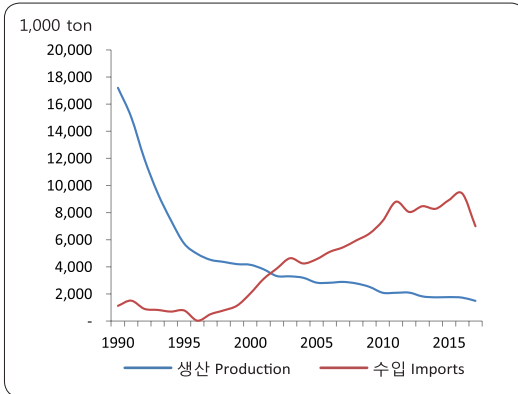
5. 석 탄

Coal

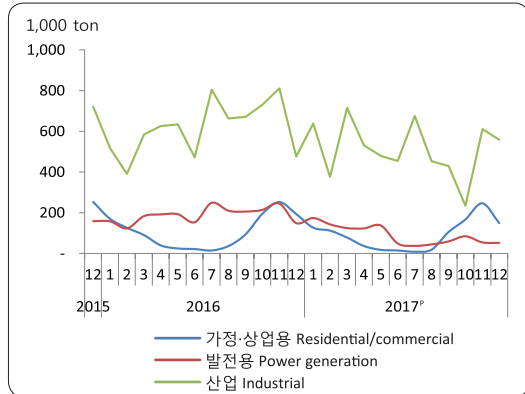


□ 무연탄 수급 Anthracite supply and demand

<1990~2017^p>

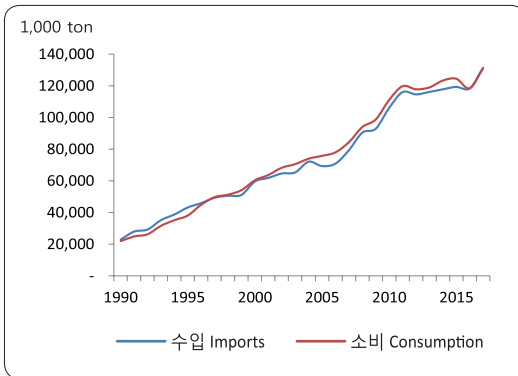


<월별 Monthly>

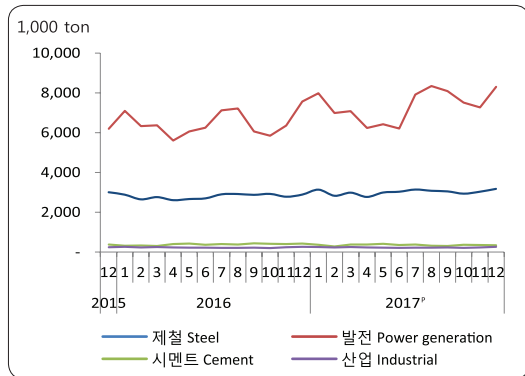


□ 유연탄 수급 Bituminous coal supply and demand

<1990~2017^p>

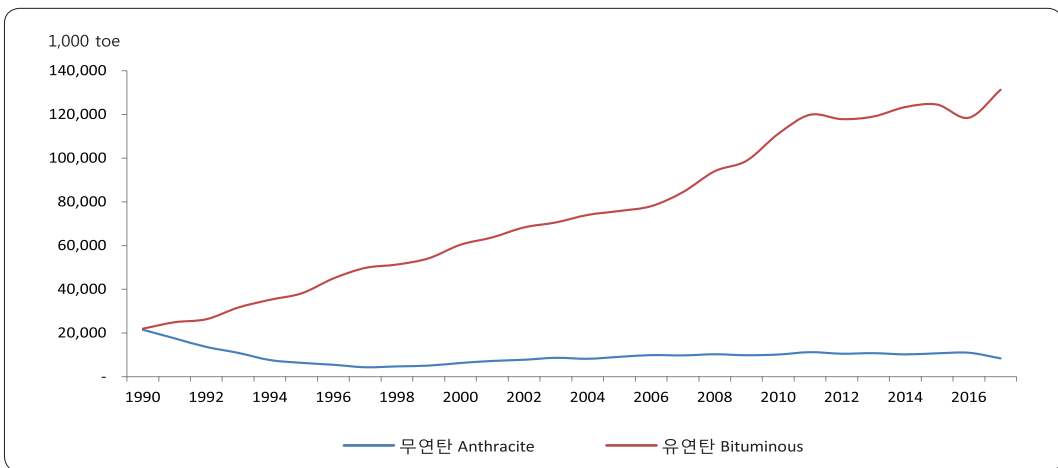


<월별 Monthly>



□ 석탄 소비 Coal consumption

<1990~2017^p>



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	1,121	21,529	19,802	1,727	6,514	1,499
1991	15,058	1,505	17,557	15,938	1,619	6,859	1,413
1992	11,970	898	13,597	12,290	1,307	6,706	1,019
1993	9,443	820	10,867	9,749	1,118	6,288	819
1994	7,438	696	7,549	6,817	732	6,780	943
1995	5,720	778	6,263	5,367	896	7,422	1,086
1996	4,951	27	5,370	4,406	964	7,898	1,039
1997	4,514	507	4,230	3,659	571	8,744	976
1998	4,361	789	4,631	3,812	819	9,342	927
1999	4,197	1,139	4,992	3,803	1,189	9,863	874
2000	4,150	2,038	6,197	4,159	2,038	9,903	871
2001	3,817	3,110	7,137	4,027	3,110	9,709	867
2002	3,318	3,879	7,687	3,808	3,879	9,282	819
2003	3,298	4,640	8,581	3,924	4,657	8,728	799
2004	3,191	4,251	8,137	3,871	4,266	8,222	672
2005	2,832	4,567	9,034	4,347	4,687	6,839	549
2006	2,824	5,113	9,829	4,596	5,233	5,062	489
2007	2,886	5,444	9,698	4,035	5,663	3,953	278
2008	2,773	5,955	10,215	4,134	6,081	2,677	120
2009	2,519	6,468	9,777	3,114	6,663	2,122	116
2010	2,084	7,406	10,104	2,508	7,596	1,779	74
2011	2,084	8,817	11,182	2,239	8,943	1,663	57
2012	2,094	8,055	10,479	2,288	8,191	1,554	74
2013	1,815	8,482	10,722	2,054	8,668	1,342	115
2014	1,748	8,294	10,173	1,642	8,531	1,484	126
2015	1,764	8,938	10,657	1,541	9,115	1,731	67
2016	1,726	9,424	10,919	1,373	9,546	2,088	63
2017 ^p	1,486	7,003	8,316	1,245	7,071	2,403	38
2015 12	159	867	1,136	242	894	1,731	67
2016 1	140	660	845	165	680	1,725	39
2	124	499	640	127	513	1,679	65
3	154	747	859	101	758	1,736	68
4	143	800	858	54	804	1,826	77
5	143	810	852	39	813	1,933	90
6	149	602	646	42	604	2,043	93
7	147	1,028	1,069	40	1,029	2,145	97
8	133	847	910	59	851	2,222	96
9	137	856	970	103	867	2,267	92
10	146	932	1,140	188	952	2,202	102
11	159	1,036	1,311	255	1,056	2,135	69
12	151	607	819	200	619	2,088	63
2017 ^p 1	127	795	940	137	803	2,088	58
2	132	493	630	130	500	2,086	51
3	144	813	918	100	818	2,130	46
4	134	629	691	60	631	2,191	64
5	118	583	634	49	585	2,313	71
6	144	489	517	27	490	2,372	80
7	119	698	721	22	699	2,477	81
8	109	487	515	26	489	2,584	54
9	121	473	593	114	479	2,638	56
10	93	300	485	175	310	2,557	49
11	123	649	913	249	664	2,439	34
12	122	594	759	156	603	2,403	38
2016 1-12	1,726	9,424	10,919	1,373	9,546	2,088	63
2017 ^p 1-12	1,486	7,003	8,316	1,245	7,071	2,403	38

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	1,615	19,217	-	1,983	283	46	21,529
1991	13,850	1,334	15,184	97	2,070	303	-	17,557
1992	10,364	825	11,189	82	1,945	443	20	13,597
1993	7,493	344	7,837	70	2,272	758	-	10,867
1994	4,617	67	4,684	41	2,192	673	-	7,549
1995	2,987	18	3,005	100	2,421	837	-	6,263
1996	1,957	4	1,961	93	2,514	895	-	5,370
1997	1,389	-	1,389	64	2,305	536	-	4,230
1998	1,229	-	1,229	30	2,451	951	-	4,631
1999	1,117	-	1,117	50	2,552	1,323	-	4,992
2000	1,192	-	1,192	-	2,850	2,155	-	6,197
2001	1,230	-	1,230	-	2,689	3,217	-	7,137
2002	1,175	-	1,175	-	2,558	3,954	-	7,687
2003	1,174	17	1,191	-	2,710	4,680	-	8,581
2004	1,370	15	1,385	-	2,356	4,396	-	8,137
2005	1,959	51	2,010	-	2,354	4,670	-	9,034
2006	2,224	103	2,327	-	2,356	5,146	-	9,829
2007	1,872	219	2,091	-	2,156	5,451	-	9,698
2008	2,163	126	2,289	-	1,960	5,966	-	10,215
2009	1,746	195	1,941	-	1,360	6,476	-	9,777
2010	1,669	190	1,859	-	839	7,406	-	10,104
2011	1,696	126	1,822	-	543	8,817	-	11,182
2012	1,697	136	1,833	-	591	8,055	-	10,479
2013	1,731	186	1,917	-	323	8,482	-	10,722
2014	1,392	237	1,629	1,794	2,044	6,500	-	10,173
2015	1,296	177	1,473	1,880	2,125	7,058	-	10,657
2016	1,133	122	1,255	2,038	2,278	7,385	-	10,919
2017 ^p	1,010	68	1,078	844	1,079	6,160	-	8,316
2015 12	227	27	254	144	159	723	-	1,136
2016 1	150	20	170	143	158	517	-	845
2	112	14	126	108	123	391	-	640
3	79	11	90	162	184	586	-	859
4	35	4	39	173	192	627	-	858
5	21	3	24	175	193	635	-	852
6	19	2	21	130	153	472	-	646
7	13	1	14	222	249	805	-	1,069
8	32	4	36	183	210	663	-	910
9	82	11	93	185	206	671	-	970
10	175	20	195	202	215	730	-	1,140
11	233	20	253	224	246	812	-	1,311
12	182	12	194	131	149	476	-	819
2017 ^p 1	119	8	127	156	174	639	-	940
2	105	7	112	118	143	375	-	630
3	73	5	78	98	125	716	-	918
4	34	2	36	97	123	532	-	691
5	15	2	17	103	137	479	-	634
6	13	1	14	34	48	455	-	517
7	7	1	8	22	37	676	-	721
8	16	2	18	34	44	453	-	515
9	99	6	105	43	58	430	-	593
10	157	10	167	66	84	234	-	485
11	232	15	247	37	54	612	-	913
12	140	9	149	35	51	559	-	759
2016 1-12	1,133	122	1,255	2,038	2,278	7,385	-	10,919
2017 ^p 1-12	1,010	68	1,078	844	1,079	6,160	-	8,316

자료: 대한석탄협회, 산업통상자원부

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

5.3 유연탄 수급

Bituminous coal supply and demand

	수입 Import			소비 Consumption		
	합계 Total	원료탄 Coking coal	연료탄 Thermal coal	합계 Total	원료탄 Coking coal	연료탄 Thermal coal
	1,000 ton					
1990	22,848	11,287	11,561	21,876	11,735	10,141
1991	27,906	15,572	12,334	24,835	13,951	10,884
1992	29,208	16,381	12,827	26,217	14,375	11,842
1993	35,158	17,321	17,837	31,552	15,972	15,580
1994	38,710	16,902	21,808	35,111	15,750	19,361
1995	43,166	17,151	26,015	38,089	16,305	21,784
1996	45,925	18,227	27,698	44,907	17,361	27,546
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	63,700	19,315	44,385
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	111,146	27,210	83,936
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	118,510	33,460	85,050
2017 ^p	131,464	36,442	95,022	131,340	36,140	95,200
2015 12	10,829	2,556	8,273	11,015	3,142	7,873
2016 1	10,509	2,891	7,618	10,541	2,878	7,663
2016 2	8,348	2,255	6,093	9,507	2,637	6,870
2016 3	10,249	2,931	7,318	9,664	2,753	6,911
2016 4	9,543	2,824	6,719	8,807	2,594	6,212
2016 5	8,604	2,478	6,126	9,351	2,653	6,698
2016 6	8,853	2,550	6,303	9,504	2,688	6,816
2016 7	9,603	2,650	6,953	10,602	2,898	7,704
2016 8	9,821	2,738	7,083	10,700	2,913	7,787
2016 9	11,055	2,850	8,205	9,572	2,870	6,703
2016 10	9,215	2,765	6,450	9,359	2,919	6,440
2016 11	9,888	2,827	7,061	9,765	2,773	6,992
2016 12	12,780	3,271	9,509	11,137	2,884	8,253
2017 ^p 1	12,007	3,218	8,789	11,734	3,139	8,596
2017 ^p 2	11,011	3,017	7,994	10,305	2,822	7,483
2017 ^p 3	10,902	3,052	7,850	10,687	2,983	7,704
2017 ^p 4	10,406	3,007	7,399	9,586	2,761	6,825
2017 ^p 5	9,771	2,921	6,850	10,040	2,990	7,050
2017 ^p 6	11,157	3,469	7,688	9,787	3,031	6,756
2017 ^p 7	10,873	2,946	7,927	11,638	3,144	8,494
2017 ^p 8	11,376	2,946	8,430	11,947	3,080	8,867
2017 ^p 9	13,179	3,453	9,726	11,650	3,048	8,602
2017 ^p 10	9,781	2,709	7,072	10,996	2,931	8,065
2017 ^p 11	10,000	2,800	7,200	10,879	3,032	7,847
2017 ^p 12	11,001	2,904	8,097	12,091	3,180	8,911
2016 1-12	118,468	33,030	85,438	118,510	33,460	85,050
2017 ^p 1-12	131,464	36,442	95,022	131,340	36,140	95,200

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		21,876	11,735	5,723	3,534	882
1991		24,835	13,951	5,776	4,223	885
1992		26,217	14,375	6,322	4,392	1,127
1993		31,552	15,972	9,008	5,143	1,429
1994		35,111	15,750	12,376	5,310	1,675
1995		38,089	16,305	14,229	5,590	1,965
1996		44,907	17,361	18,948	6,448	2,151
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		63,700	19,315	36,601	5,475	2,309
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		111,146	27,210	76,674	4,564	2,698
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		118,510	33,460	77,761	4,591	2,698
2017 ^p		131,340	36,140	88,309	4,176	2,716
2015	12	9,807	3,005	6,190	373	239
2016	1	10,541	2,878	7,085	314	264
	2	9,507	2,637	6,316	323	231
	3	9,664	2,753	6,362	297	252
	4	8,807	2,594	5,588	403	221
	5	9,351	2,653	6,049	433	216
	6	9,504	2,688	6,237	361	218
	7	10,602	2,898	7,112	397	196
	8	10,700	2,913	7,210	378	198
	9	9,572	2,870	6,055	438	209
	10	9,359	2,919	5,834	417	189
	11	9,765	2,773	6,344	406	242
	12	11,137	2,884	7,568	424	262
2017 ^p	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	10,996	2,931	7,506	362	197
	11	10,879	3,032	7,271	350	227
	12	12,091	3,180	8,312	336	264
2016	1-12	118,510	33,460	77,761	4,591	2,698
2017 ^p	1-12	131,340	36,140	88,309	4,176	2,716

자료 : 대한석탄협회, 산업통상자원부

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

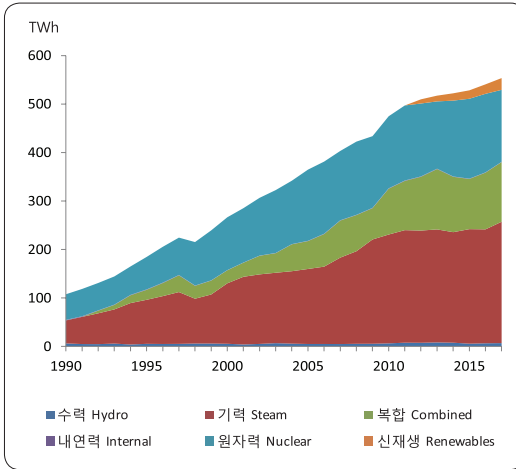
6. 전력 · 열

Electricity & Heat

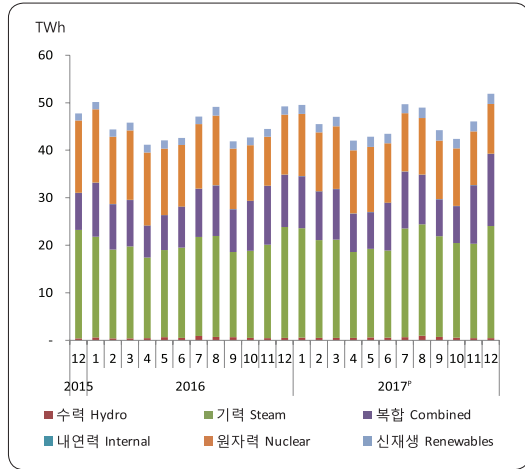


□ 발전 설비별 발전량 Power generation amount by Generating facilities

<1990~2017^p>

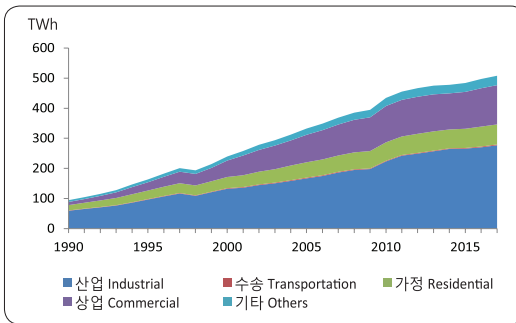


<월별 Monthly>

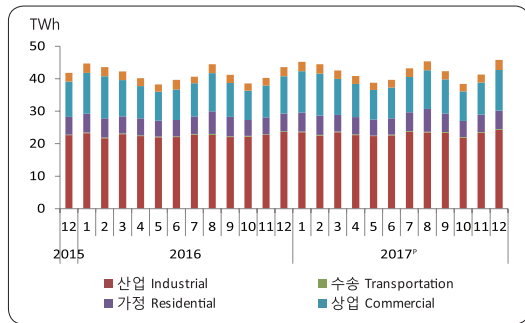


□ 부문별 전력 소비 Electricity consumption by sector

<1990~2017^p>

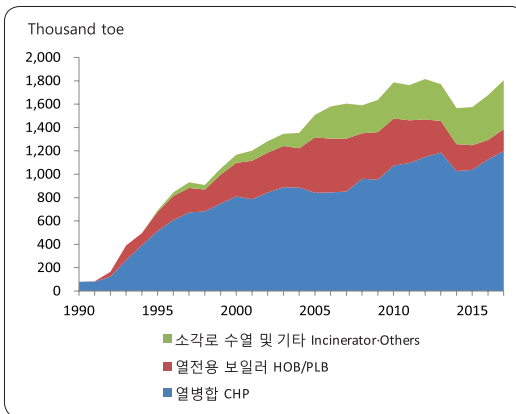


<월별 Monthly>

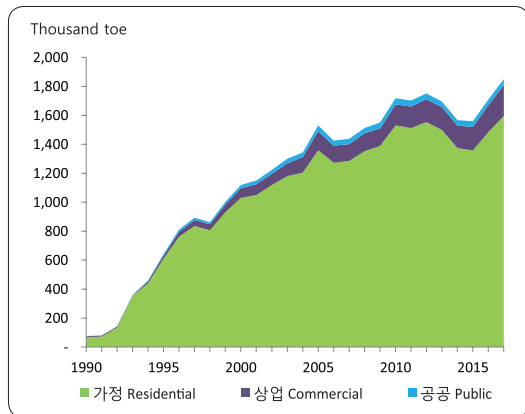


□ 지역난방 생산, 소비 District heating production, consumption

<1990~2017^p>



<1990~2017^p>



6.1 발전 현황

Power Generation

		총발전량 Total power generation amount	설비용량 ¹ Power plant capacity	공급능력 ¹ Supply capability	최대전력 Peak load	평균전력 Average load	공급예비율 ¹ 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		403,124	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 ^P		553,369	116,657	96,095	85,133	63,170	12.9	74.2
2015	12	47,727	97,649	89,191	77,282	64,149	15	83
2016	1	50,135	98,190	94,793	82,972	67,386	14.2	81.2
	2	44,383	98,190	93,809	80,020	66,047	17.2	82.5
	3	45,783	98,796	85,100	75,697	61,536	12.4	81.3
	4	41,157	98,796	86,050	65,765	57,162	30.8	86.9
	5	42,041	98,948	80,090	68,011	56,507	17.8	83.1
	6	42,551	98,948	90,960	72,816	59,098	11.2	81.2
	7	47,086	100,180	88,920	81,110	63,288	9.6	78.0
	8	49,118	100,180	92,400	85,183	66,019	8.5	77.5
	9	41,835	101,025	85,110	75,299	58,105	13.0	77.2
	10	42,659	103,068	78,560	68,282	57,337	15.1	84.0
	11	44,474	103,068	85,020	74,959	61,770	13.4	82.4
	12	49,219	104,466	93,030	79,966	66,154	16.3	82.7
2017 ^P	1	49,543	106,240	95,440	83,660	66,590	14.1	79.6
	2	45,499	107,098	95,916	81,268	67,706	18.0	83.3
	3	47,026	107,098	93,840	76,756	63,206	22.3	82.3
	4	42,022	110,502	87,916	69,129	58,363	27.2	84.4
	5	42,820	111,292	82,497	69,887	57,554	18.0	82.4
	6	43,430	113,705	87,888	75,413	60,320	16.5	80.0
	7	49,651	113,351	94,987	84,586	66,735	12.3	78.9
	8	48,951	113,351	95,125	84,489	65,795	12.6	77.9
	9	44,196	114,206	92,665	73,115	61,383	26.7	84.0
	10	42,347	115,249	88,736	70,113	56,918	26.6	81.2
	11	46,033	116,278	92,807	77,605	63,935	19.6	82.4
	12	51,852	116,657	96,095	85,133	69,694	12.9	81.9
2016	1-12	540,441	100,180	92,400	85,180	61,694	8.5	72.4
2017 ^P	1-12	553,369	116,657	96,095	85,133	63,170	12.9	74.2

1. 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 ¹ Combined	내연력 Internal	원자력 Nuclear	신재생 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 ⁹		117,158	6,489	40,403	38,210	339	22,529	9,187
2015	12	97,649	6,471	34,441	29,043	330	21,716	5,649
2016	1	98,190	6,472	31,094	32,267	330	21,716	6,312
	2	98,796	6,477	31,239	32,703	330	21,716	6,332
	3	98,796	6,477	31,239	32,703	330	21,716	6,332
	4	98,948	6,477	31,218	32,703	329	21,716	6,505
	5	98,948	6,477	31,218	32,703	329	21,716	6,505
	6	98,948	6,477	31,218	32,703	329	21,716	6,505
	7	100,180	6,478	32,165	32,703	329	21,716	6,789
	8	101,025	6,475	32,753	32,703	329	21,716	7,049
	9	102,018	6,480	33,684	32,703	329	21,716	7,107
	10	103,068	6,480	34,734	32,703	329	21,716	7,107
	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 ⁹	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	35,272	339	23,116	7,862
	4	110,671	6,484	36,044	36,531	339	23,116	8,158
	5	111,292	6,484	36,162	36,962	339	23,116	8,228
	6	113,705	6,484	39,160	36,962	339	22,529	8,231
	7	113,351	6,484	38,760	37,008	339	22,529	8,231
	8	114,206	6,485	39,355	37,008	339	22,529	8,490
	9	115,249	6,487	40,257	37,008	339	22,529	8,628
	10	115,900	6,487	40,257	37,450	339	22,529	8,837
	11	116,278	6,487	40,257	37,829	339	22,529	8,837
	12	116,908	6,489	40,153	38,210	339	22,529	9,187
2016	1-12	105,866	6,485	35,756	32,703	329	23,116	7,477
2017 ⁹	1-12	117,158	6,489	40,403	38,210	339	22,529	9,187

1. 복합발전 : 1차 가스터빈, 2차 증기터빈(or 열공급) 발전형식

주: 집단에너지는 기력과 복합에 포함

자료: 전력통계속보, 한국전력공사

1. Combined cycle: The first is a gas turbine and the second is a steam turbine (or heat supply)

Note: Group energy is included in steam and combined cycle.

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
		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 ^p		553,369	6,990	250,177	123,017	513	148,427	24,245
2015	12	47,727	372	22,848	7,758	61	15,200	1,487
2016	1	50,135	613	21,162	11,337	54	15,442	1,527
	2	44,383	393	18,702	9,520	50	14,165	1,553
	3	45,783	395	19,367	9,734	61	14,602	1,624
	4	41,157	466	16,926	6,731	39	15,332	1,662
	5	42,041	634	18,356	7,323	36	13,999	1,692
	6	42,551	517	18,964	8,622	43	12,972	1,432
	7	47,086	905	20,826	10,126	60	13,565	1,605
	8	49,118	694	21,271	10,618	53	14,651	1,830
	9	41,835	626	17,927	9,030	42	12,682	1,529
	10	42,659	472	18,337	10,515	47	11,657	1,629
	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 ^p	1	49,543	538	23,020	10,956	33	13,104	1,891
	2	45,499	508	20,558	10,263	29	12,373	1,767
	3	47,026	501	20,700	10,591	45	13,175	2,014
	4	42,022	511	18,081	8,028	50	13,302	2,051
	5	42,820	606	18,641	7,711	62	13,670	2,130
	6	43,430	564	18,338	10,022	31	12,494	1,982
	7	49,651	639	22,906	11,948	51	12,223	1,883
	8	48,951	968	23,448	10,382	57	11,914	2,181
	9	44,196	674	21,193	7,807	25	12,333	2,165
	10	42,347	565	19,876	7,796	44	12,109	1,957
	11	46,033	450	19,834	12,342	40	11,291	2,076
	12	51,852	466	23,582	15,170	47	10,438	2,150
2016	1-12	540,441	6,634	234,851	116,875	573	161,995	19,512
2017 ^p	1-12	553,369	6,990	250,177	123,017	513	148,427	24,245

1. 신재생 (대체)에너지 발전량은 2012년 1월부터 기력에서 분리

1. Generation amount by the renewables(alternative energy)was separated from steam generation starting in January 2012.

주: 집단에너지는 기력과 복합에 포함

Note: Group energy is included in steam and combined cycle.

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 ^a	23,077	22,588	489	507,746	112,411	395,335
2015 12	22,030	21,602	428	41,795	9,753	32,042
2016 1	22,004	21,573	430	44,651	11,231	33,420
2	22,040	21,608	432	43,570	11,903	31,667
3	22,589	22,155	434	42,245	10,034	32,211
4	22,198	21,761	437	40,123	9,033	31,091
5	22,157	21,717	440	38,236	7,695	30,541
6	22,207	21,765	442	39,668	7,802	31,866
7	22,255	21,811	444	40,590	8,225	32,366
8	22,298	21,852	446	44,412	10,196	34,215
9	22,347	21,899	449	41,204	9,364	31,840
10	22,376	21,924	451	38,549	7,667	30,882
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 ^a 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
2016 1-12	22,553	22,097	456	497,039	112,114	384,925
2017 ^a 1-12	23,077	22,588	489	507,746	112,411	395,335

주: 1994년 1월 이후의 수용가수 및 판매량의 전등과 동력은 저압과 고압으로 변경
 자료: 전력통계속보, 한국전력공사

Note: The lighting and power after January 1994 was changed to low and high voltage.

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

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 ^p		507,746	276,672	2,820	66,517	130,416	31,322
2015	12	41,795	22,600	200	5,408	10,880	2,707
2016	1	44,651	23,196	238	5,792	12,569	2,857
	2	43,570	21,681	229	5,912	12,890	2,859
	3	42,245	22,928	219	5,279	11,161	2,658
	4	40,123	22,358	203	5,273	9,875	2,415
	5	38,236	21,952	204	4,925	8,933	2,221
	6	39,668	22,015	215	5,028	9,394	3,016
	7	40,590	22,764	237	5,352	10,222	2,015
	8	44,412	22,697	266	6,972	11,766	2,711
	9	41,204	21,990	235	5,989	10,448	2,543
	10	38,549	22,155	210	4,951	8,995	2,237
	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 ^p	1	45,197	23,521	240	5,818	12,700	2,918
	2	44,422	22,442	235	5,909	12,999	2,837
	3	42,559	23,499	209	5,114	11,076	2,660
	4	40,811	22,598	209	5,351	10,209	2,444
	5	38,744	22,292	215	4,948	9,046	2,242
	6	39,673	22,568	227	5,026	9,472	2,380
	7	43,208	23,629	259	5,736	10,879	2,705
	8	45,354	23,412	271	6,973	11,926	2,771
	9	42,336	23,346	246	5,665	10,538	2,541
	10	38,369	21,782	222	4,994	9,106	2,265
	11	41,293	23,354	232	5,302	9,942	2,463
	12	45,781	24,230	255	5,679	12,521	3,096
2016	1-12	497,039	269,975	2,689	66,173	127,435	30,767
2017 ^p	1-12	507,746	276,672	2,820	66,517	130,416	31,322

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 ¹
		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 ^p		90,296	1,079	89,217	1,106	930	176	5,280
2015	12	7,309	163	7,147	351	343	9	712
2016	1	7,256	217	7,038	353	343	10	787
	2	5,432	100	5,332	304	297	7	566
	3	6,943	243	6,700	388	376	12	685
	4	5,728	199	5,530	268	259	9	397
	5	6,350	242	6,108	200	190	10	515
	6	6,586	217	6,369	171	162	8	637
	7	7,238	254	6,984	267	251	16	747
	8	7,369	260	7,109	188	169	20	749
	9	6,265	192	6,072	114	99	15	608
	10	6,464	179	6,285	214	197	18	887
	11	6,874	217	6,658	182	163	19	909
	12	8,067	208	7,860	290	278	12	798
2017 ^p	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	34	23	11	284
	11	7,255	54	7,201	61	51	10	507
	12	8,287	51	8,236	208	191	16	747
2016	1-12	80,573	2,528	78,045	2,939	2,784	155	8,284
2017 ^p	1-12	90,296	1,079	89,217	1,106	930	176	5,280

1. LNG 자료는 분기별 조사

주: 중유에 정제유 포함, 경유에 등유 포함.

시운전 연료 사용량 포함.

자료: 전력통계속보, 한국전력공사

1. LNG data are gathered by quarter.

Note: Refined oil and kerosene are included in B-C oil and diesel respectively.

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

6.7 지역난방

District heating

	생산 Production				판매 Sales			
	합계 Total	열병합 ¹ CHP	열전용 보일러 ² HOB/PLB	소각로 수열 및 기타 ³ Incinerator/Others	합계 Total	가정 Residential	상업 Commercial	공공 Public
1,000 toe								
1990	79	79	-	-	75	69	6	1
1991	83	80	3	-	80	72	7	1
1992	163	122	42	-	143	135	7	1
1993	391	265	125	-	360	354	2	4
1994	495	391	104	-	460	440	14	6
1995	689	514	164	12	641	610	21	10
1996	844	607	206	31	811	762	34	15
1997	930	673	209	48	893	835	42	16
1998	907	681	187	39	861	807	42	13
1999	1,047	747	249	52	1,002	931	54	18
2000	1,166	809	288	69	1,119	1,030	67	22
2001	1,201	786	329	87	1,150	1,049	75	25
2002	1,283	842	342	98	1,223	1,118	78	27
2003	1,345	889	352	104	1,300	1,180	89	32
2004	1,353	885	337	131	1,343	1,204	108	31
2005	1,508	841	474	193	1,530	1,358	133	39
2006	1,579	843	461	276	1,425	1,272	118	34
2007	1,604	852	452	300	1,438	1,285	116	37
2008	1,590	961	390	239	1,512	1,351	125	36
2009	1,636	953	407	276	1,551	1,388	120	42
2010	1,786	1,073	404	309	1,718	1,531	145	42
2011	1,762	1,096	365	301	1,702	1,512	149	41
2012	1,814	1,146	322	346	1,751	1,553	159	40
2013	1,771	1,185	270	315	1,695	1,499	158	38
2014	1,565	1,026	231	308	1,567	1,373	155	38
2015	1,574	1,037	211	326	1,559	1,357	163	39
2016	1,676	1,126	167	383	1,710	1,484	187	39
2017 ^p	1,804	1,196	189	419	1,850	1,595	212	42
2015 12	262	191	31	39	264	234	23	7
2016 1	326	231	51	43	350	312	31	7
2016 2	267	197	31	39	283	253	24	6
2016 3	195	146	11	38	208	188	16	4
2016 4	101	61	6	34	101	92	8	2
2016 5	67	41	6	21	60	51	8	1
2016 6	51	28	3	21	43	30	11	2
2016 7	53	27	2	25	44	27	15	2
2016 8	46	19	1	26	38	18	17	3
2016 9	44	15	2	27	37	25	10	1
2016 10	78	40	6	31	72	64	7	1
2016 11	184	134	16	34	186	168	15	4
2016 12	265	189	32	44	286	255	24	6
2017 ^p 1	311	219	47	46	333	297	30	7
2017 ^p 2	271	200	33	38	288	256	26	6
2017 ^p 3	202	150	11	41	218	196	18	5
2017 ^p 4	110	70	6	33	113	103	9	2
2017 ^p 5	69	37	6	26	62	52	9	1
2017 ^p 6	57	28	3	26	49	35	12	2
2017 ^p 7	57	23	1	32	49	27	20	3
2017 ^p 8	55	23	2	30	47	26	19	3
2017 ^p 9	52	20	2	30	44	32	11	1
2017 ^p 10	81	46	3	31	75	67	7	1
2017 ^p 11	198	140	23	35	210	188	18	4
2017 ^p 12	341	240	51	50	360	318	34	8
2016 1-12	1,676	1,126	167	383	1,710	1,484	187	39
2017 ^p 1-12	1,804	1,196	189	419	1,850	1,595	212	42

1. 한전 CHP 열 구매량 포함

2. 1992년~1994년 소각로 수열량을 열전용보일러 생산으로 포함

3. 기타 열생산원으로 CES, 태양열, 연료전지 포함

자료: 한국지역난방공사, GS Power(주), SH공사

1. This includes KEPCO's CHP heat purchase amount.

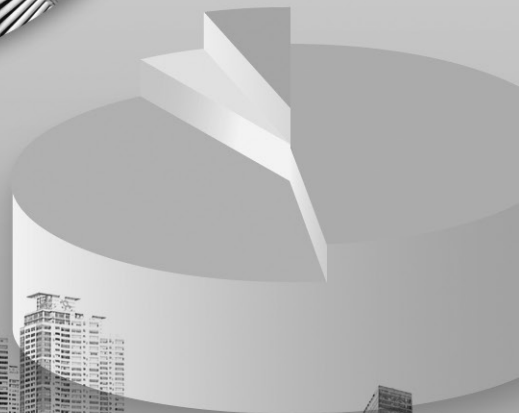
2. Heat amount by incineration from 1992 to 1994 is included in HOB production.

3. Other heat-producing sources include CES, solar heat, and fuel cells.

Source: Korea District Heating Corp., GS Power, SH Corporation.

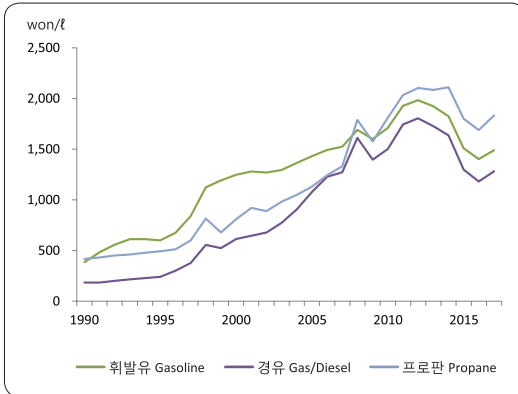
7. 에너지 가격

Energy prices

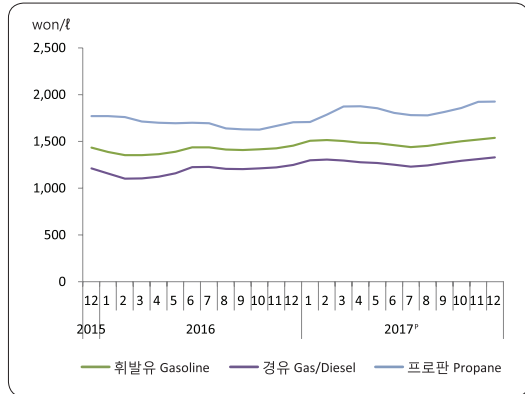


□ 석유 소비자 가격 Consumer prices by petroleum products

<1990~2017^p>

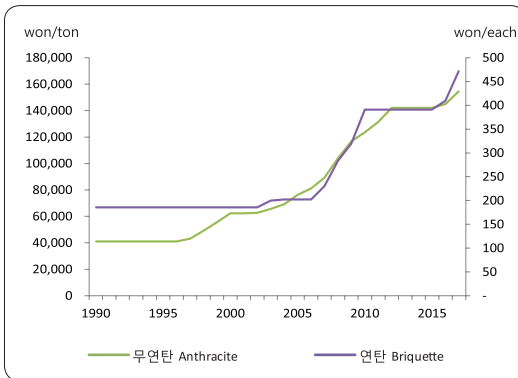


<월별 Monthly>



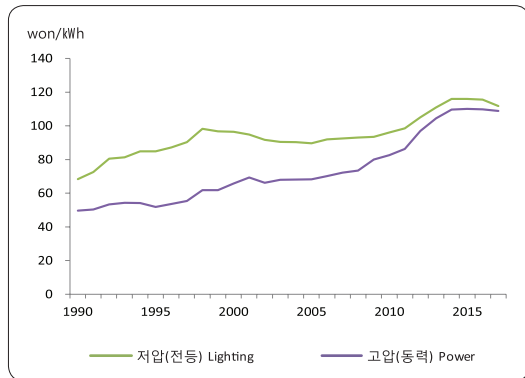
□ 석탄 가격 Coal prices

<1990~2017^p>



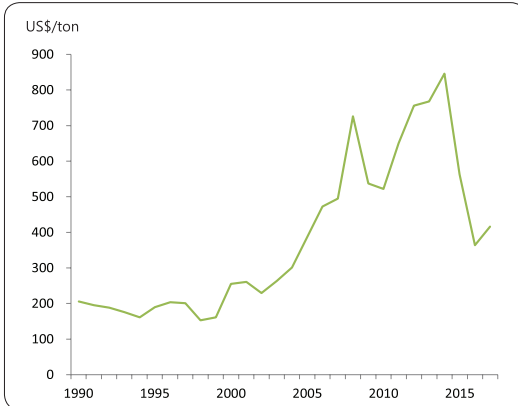
□ 전력 가격 Electricity prices

<1990~2017^p>



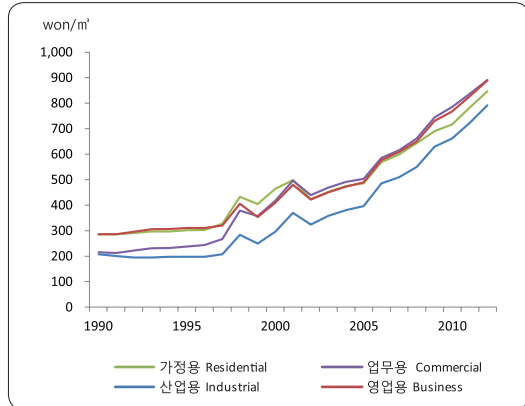
□ 천연가스 도입 단가 Natural gas import prices

<1990~2017^p>



□ 도시가스 가격 City gas prices

<1990~2012>



7.1.1 원유 수입 가격

Crude oil import prices

		평균 Average	중동 Middle East	아시아 Asia	아프리카 Africa	아메리카 America	유럽 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 ^a		53.4	53.1	55.7	57.1	48.5	56.7
2015	12	40.2	39.7	41.9	41.9	40.2	44.0
2016	1	33.5	33.0	34.0	36.1	38.7	40.2
	2	29.3	28.3	36.1	36.4	28.2	31.9
	3	32.1	31.5	39.0	37.6	30.7	33.9
	4	36.7	36.4	42.1	42.3	27.0	40.5
	5	41.2	40.8	47.7	46.6	26.2	-
	6	45.0	44.8	49.4	51.4	37.1	-
	7	46.0	45.9	48.1	50.8	37.9	-
	8	43.8	43.7	44.8	47.3	40.7	-
	9	43.8	43.5	46.7	46.4	41.4	-
	10	45.7	45.2	50.0	49.9	36.3	46.7
	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 ^a	1	52.5	52.5	54.5	55.6	39.0	56.5
	2	55.1	54.8	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	50.9	53.0	45.7	51.3
	9	51.9	51.7	54.6	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	62.2	61.9	65.6	66.5	54.2	64.4
2016	1-12	41.1	40.8	44.5	44.5	37.3	41.4
2017 ^a	1-12	53.4	53.1	55.7	57.1	48.5	56.7

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 ^p		66.4	68.8	62.8	54.8	155.1	54.3
2015	12	-	73.4	124.9	35.4	39.7	49.9
2016	1	-	-	48.0	39.8	35.6	47.6
	2	-	-	47.2	39.7	31.1	40.5
	3	-	42.7	-	37.6	28.5	35.8
	4	-	49.7	-	-	29.5	40.8
	5	68.2	49.7	-	-	31.0	44.3
	6	60.7	59.9	-	-	31.4	45.7
	7	60.8	63.0	-	-	31.3	46.8
	8	65.7	58.6	-	-	27.8	43.5
	9	-	57.4	-	-	28.8	42.0
	10	64.7	59.8	-	46.5	29.3	44.2
	11	71.6	60.4	-	46.7	32.2	48.6
	12	64.6	61.0	-	51.5	34.6	48.4
2017 ^p	1	-	61.1	63.7	55.9	37.8	53.0
	2	70.4	70.4	-	56.1	44.6	56.4
	3	-	72.1	-	53.9	43.4	57.4
	4	-	70.0	-	50.3	42.9	53.0
	5	75.6	69.3	-	-	36.4	53.1
	6	60.6	63.1	62.6	51.2	36.1	50.1
	7	65.1	61.6	-	55.6	35.4	46.5
	8	65.2	64.8	62.5	-	35.0	47.3
	9	-	70.4	62.5	-	40.4	52.2
	10	-	72.1	-	-	47.5	56.8
	11	-	72.9	-	-	47.3	59.8
	12	83.3	77.5	-	-	46.9	65.8
2016	1-12	64.2	55.4	47.7	38.0	30.9	44.1
2017 ^p	1-12	66.4	68.8	62.8	54.3	41.0	54.2

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 ^p		67.3	65.4	70.9	56.2	43.7	54.2
2015	12	54.9	48.2	50.2	38.3	41.9	49.0
2016	1	48.8	36.8	38.8	31.7	36.4	44.3
	2	43.1	37.1	42.1	33.0	34.2	38.2
	3	49.1	42.5	47.7	34.7	34.0	38.3
	4	52.4	46.4	0.0	30.4	36.4	41.7
	5	57.5	52.1	55.1	44.4	40.0	44.4
	6	57.5	56.8	58.2	52.5	35.0	45.0
	7	52.3	54.6	0.0	51.4	30.4	44.5
	8	52.3	53.0	53.3	49.1	35.0	41.0
	9	55.9	53.5	54.9	45.5	31.7	41.4
	10	60.9	58.9	60.9	40.4	33.5	43.4
	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 ^p	1	67.8	64.9	67.0	68.7	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	52.4
	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	60.5	57.2	40.0	45.5
	8	65.4	63.0	64.1	49.8	38.8	50.0
	9	68.4	67.6	67.9	52.8	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
2016	1-12	53.9	50.8	53.9	42.8	34.1	43.8
2017 ^p	1-12	67.3	65.4	70.9	56.2	43.7	54.2

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

Note: Based on customs clearance. The exprort 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				won/kg	
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 ^a	1,380.0	1,136.4	1,161.4	650.0	564.7	1,179.5	733.7
2015 12	1,281.4	1,072.8	1,045.0	529.8	436.3	1,123.2	688.7
2016 1	1,255.1	1,000.2	960.7	452.2	366.3	1,133.0	696.1
2	1,236.3	926.4	991.8	469.8	371.2	1,104.5	655.2
3	1,277.3	943.0	1,039.1	512.6	408.8	1,034.9	599.5
4	1,267.2	1,001.4	1,027.5	508.8	400.4	1,019.6	561.9
5	1,314.7	1,003.0	1,089.3	562.7	433.6	1,022.5	569.7
6	1,334.5	1,063.2	1,126.4	589.0	471.7	1,041.9	582.1
7	1,278.4	1,097.2	1,087.9	548.6	472.1	1,036.1	577.4
8	1,275.2	1,060.0	1,066.8	537.3	439.9	980.3	523.7
9	1,302.3	1,031.9	1,073.2	547.2	436.4	961.7	507.3
10	1,342.9	1,045.8	1,119.2	599.1	487.1	965.7	514.7
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 ^a 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
2016 1-12	1,298.9	1,029.7	1,070.4	547.1	444.9	1,031.3	582.2
2017 ^a 1-12	1,380.6	1,140.9	1,161.8	636.8	565.0	1,180.2	730.8

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	1,898.2	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 ^p	1,491.3	1,282.5	853.1	-	619.8	1,833.8	2,074.7	826.5
2015 12	1,432.9	1,211.0	859.6	-	531.3	1,770.3	2,005.8	782.1
2016 1	1,385.3	1,157.3	807.9	-	480.9	1,770.5	2,012.2	782.0
2	1,351.7	1,101.1	764.2	-	439.3	1,759.5	1,997.2	772.0
3	1,350.1	1,103.2	755.9	-	455.4	1,711.1	1,939.9	742.1
4	1,361.7	1,121.4	759.4	-	487.7	1,698.1	1,919.7	731.2
5	1,388.7	1,157.9	764.3	-	489.1	1,693.2	1,909.8	731.1
6	1,437.6	1,225.3	787.9	-	538.5	1,697.6	1,909.6	741.2
7	1,437.2	1,228.4	792.5	-	547.4	1,693.4	1,911.4	736.0
8	1,411.7	1,207.2	787.8	-	547.3	1,637.8	1,846.1	706.7
9	1,408.2	1,203.0	784.3	-	541.3	1,625.4	1,837.0	696.6
10	1,416.6	1,211.1	789.5	-	551.3	1,624.2	1,840.2	694.3
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 ^p 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
2016 1-12	1,402.5	1,182.4	784.4	-	520.6	1,690.0	1,914.7	734.1
2017 ^p 1-12	1,491.5	1,282.7	851.8	-	619.5	1,833.7	2,069.8	826.4

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			평균 Average
	무연탄 ¹ Anthracite	연탄 ² Briquette	저압(전등) Lighting	고압(동력) Power		
	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 ^a	154,720	472	111.8	108.9	109.5	
2015	12	142,230	391	118	118	118
2016	1	142,230	391	117	116	116
	2	142,230	391	116	117	117
	3	142,230	391	110	99	102
	4	142,230	391	105	96	98
	5	142,230	391	110	97	99
	6	142,230	391	118	114	115
	7	142,230	391	131	123	124
	8	142,230	391	139	125	128
	9	142,230	391	106	97	99
	10	153,670	465	107	97	99
	11	153,670	465	109	117	115
	12	153,670	465	116	118	117
2017 ^a	1	153,670	465	112	115	114
	2	153,670	465	111	117	116
	3	153,670	465	106	97	99
	4	153,670	465	100	96	97
	5	153,670	465	105	96	98
	6	153,670	465	113	116	115
	7	153,670	465	126	120	121
	8	153,670	465	128	121	123
	9	153,670	465	117	100	104
	10	153,670	465	105	95	97
	11	153,670	465	105	115	113
	12	166,030	552	112	115	114

1. 국내탄 5급(4,400~4,599kcal/kg) 최고가격 기준

2. 연탄공장에서 판매소까지의 수송비 개당 12.75원(상하차비용포함)과 판매소 수수료 개당 5원을 포함한 판매소 가격

3. 2004년 1월 이후의 수용가수 및 판매량의 전등과 동력은 저압과 고압으로 변경.

자료: 전력통계속보 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: The monthly report on major electric power statistics KEPSCO; 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 Import value	단가 Unit price	가정용 ³ Residential	업무용 ⁴ Commercial	산업용 Industrial	영업용 ⁵ Business	
	million US\$	US\$/ton	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 ^p	15,616	416	15.7	16.1	13.3	15.4	
2015	12	1,609	453	18.21	18.71	16.36	18.20
2016	1	1,403	416	16.69	17.19	14.84	16.68
	2	1,208	403	16.69	17.19	14.84	16.68
	3	1,289	376	15.20	15.71	13.35	15.19
	4	745	342	15.20	15.71	12.62	14.95
	5	689	311	14.55	15.05	11.58	14.02
	6	735	296	14.55	15.05	11.58	14.02
	7	586	305	14.55	15.05	11.58	14.02
	8	651	331	14.55	15.05	11.58	14.02
	9	786	353	14.55	15.05	11.58	14.02
	10	1,232	379	14.55	15.05	11.58	14.02
	11	1,326	388	15.36	15.87	12.39	14.83
	12	1,520	379	15.36	15.87	13.28	15.15
2017 ^p	1	1,771	413	15.36	15.87	13.28	15.15
	2	1,499	418	15.36	15.87	13.28	15.15
	3	1,432	408	15.80	16.31	13.72	15.59
	4	950	409	15.80	16.31	12.83	15.28
	5	1,074	432	16.09	16.44	13.61	15.82
	6	1,408	408	16.09	16.44	13.47	15.77
	7	1,105	408	16.09	16.44	13.47	15.77
	8	1,106	426	16.09	16.44	13.47	15.77
	9	993	421	16.17	16.52	13.55	15.85
	10	1,160	422	16.17	16.52	13.69	15.90
	11	1,328	400	14.76	15.11	12.28	14.49
	12	1,789	430	14.76	15.11	12.88	14.67

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

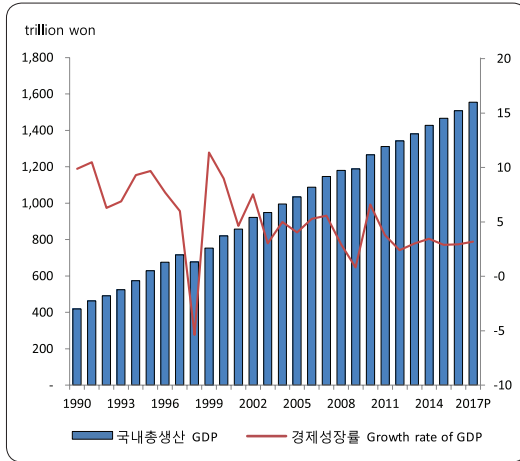
8. 주요 경제 · 사회 지표

Major economic and social indicators

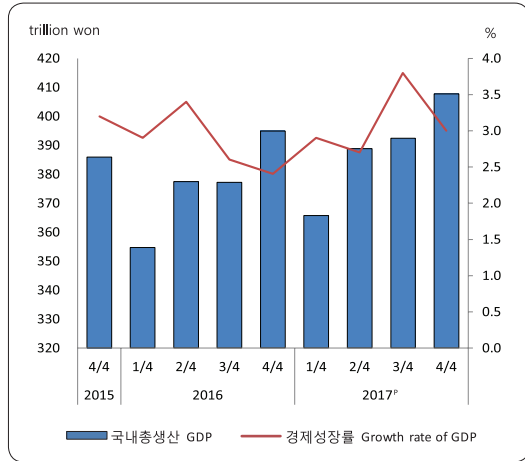


□ 국내총생산, 경제성장률 GDP and growth rate of GDP

<1990~2017P>

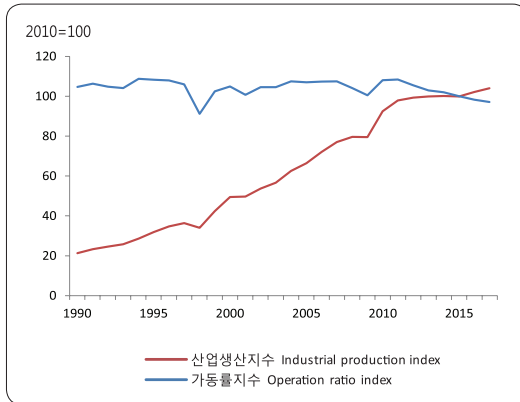


<분기 Quarterly>

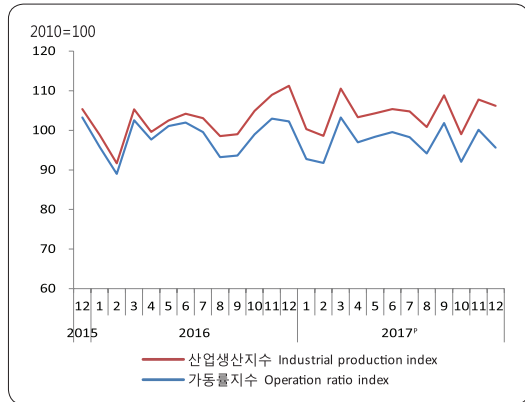


□ 산업생산지수, 가동률지수 Industrial production index

<1990~2017P>

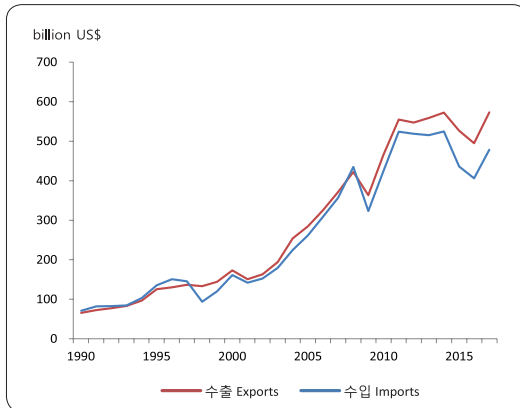


<월별 Monthly>

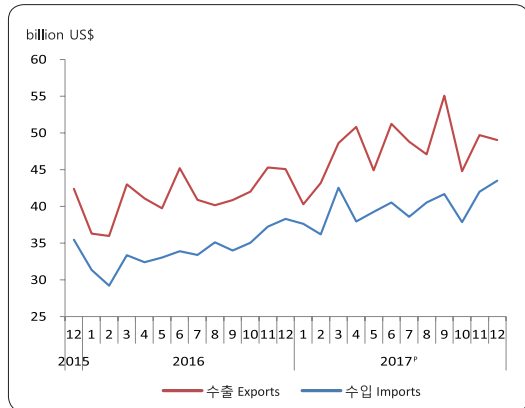


□ 수출입 Imports and export

<1990~2017P>



<월별 Monthly>



8.1. 주요 경제지표

Major economic indicators

		국내총생산 ¹ (시장가격)	경제성장률	민간소비 ¹	설비투자 ¹	건설투자 ¹	물가지수 Prices	
		GDP at market prices	Growth rate of GDP	Private consumption	Facilities investment	Construction investment	생산자	소비자
		billion won	%	billion won			2010=100	2015=100
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		1,508,265	2.8	725,003	137,038	234,204	99.1	101.0
2017 ^p		1,554,789	3.1	743,546	157,019	251,798	102.5	102.9
2015	12	385,929	3	181,849	36,030	58,187	99	100
2016	1	-	-	-	-	-	98	100.0
	2	-	-	-	-	-	98	100.4
	3	354,725	3	181,947	31,892	44,700	98	100.8
	4	-	-	-	-	-	99	100.6
	5	-	-	-	-	-	99	100.8
	6	377,464	3	176,634	35,249	62,429	99	100.8
	7	-	-	-	-	-	99	100.8
	8	-	-	-	-	-	99	100.6
	9	377,221	3	181,867	33,143	62,152	99	100.9
	10	-	-	-	-	-	100	101.5
	11	-	-	-	-	-	100	101.6
	12	394,930	2	184,555	36,754	64,922	101	101.5
2017 ^p	1	-	-	-	-	-	102	102
	2	-	-	-	-	-	103	103
	3	365,753	3	185,588	36,482	49,739	103	103
	4	-	-	-	-	-	102	103
	5	-	-	-	-	-	102	103
	6	388,822	3	180,679	41,334	67,446	102	103
	7	-	-	-	-	-	102	103
	8	-	-	-	-	-	102	103
	9	392,442	4	186,498	38,781	66,857	103	104
	10	-	-	-	-	-	103	103
	11	-	-	-	-	-	103	103
	12	407,772	3	190,782	40,422	67,755	103	103

1. 2010년 연쇄가격, 원계열
자료: 한국은행

1. At chained 2010 year prices, original series
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	21.2	33.6	61.6	14.5	16.9	36.6	0.0
1991		23.1	23.2	37.7	74.2	18.6	19.5	40.5	0.0
1992		24.5	24.5	40.3	79.9	25.7	22.2	42.0	0.0
1993		25.6	25.5	45.4	81.8	28.7	25.9	44.5	0.0
1994		28.4	28.3	48.1	87.4	31.2	31.0	49.6	0.0
1995		31.8	31.6	52.0	93.7	32.8	36.2	57.2	0.0
1996		34.6	34.3	55.2	100.3	37.6	40.8	60.5	0.0
1997		36.2	35.9	58.5	102.1	46.7	40.6	60.2	0.0
1998		33.9	33.5	52.9	74.7	49.0	26.8	45.3	0.0
1999		42.2	42.0	58.9	76.3	53.0	41.0	57.3	0.0
2000		49.4	49.2	63.9	82.9	56.0	46.8	68.3	59.6
2001		49.7	49.3	64.9	86.3	55.5	46.2	68.0	63.3
2002		53.7	53.2	67.4	94.8	58.9	50.2	76.6	69.3
2003		56.6	56.2	71.7	101.2	60.9	53.4	76.6	70.0
2004		62.5	62.2	74.5	94.1	65.7	59.7	81.2	70.2
2005		66.5	66.1	73.8	85.0	68.2	64.7	84.1	72.8
2006		72.1	71.8	76.8	88.6	71.0	69.9	84.3	76.5
2007		77.0	76.9	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	99.3	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	100.2	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 ^p		104.2	104.0	101.0	109.9	110.4	94.9	106.5	104.5
2015	12	105.4	104.8	103.9	108.4	105.1	108.5	112.9	111.0
2016	1	98.8	96.8	98.2	78.9	103.9	96.5	97.8	97.4
	2	91.6	90.1	88.9	70.9	98.8	86.4	92.4	95.3
	3	105.3	105.1	99.6	113.1	107.0	112.3	109.0	103.4
	4	99.6	100.1	100.4	116.7	98.9	100.5	97.8	101.4
	5	102.5	103.5	104.4	118.9	105.8	99.8	100.0	102.7
	6	104.2	105.5	100.3	121.9	103.2	104.9	103.5	104.4
	7	103.1	103.6	101.4	105.3	107.8	99.8	99.4	102.1
	8	98.5	98.2	101.7	110.5	108.7	70.2	97.8	102.4
	9	99.0	99.5	97.6	103.3	103.5	78.0	103.8	102.6
	10	104.9	106.1	101.9	117.2	102.8	97.0	109.8	103.5
	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 ^p	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	106.2	104.3	97.2	105.8	116.6	82.4	111.7	114.1

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 ^p		97.1	100.7	107.6	107.2	89.6	102.9
2015	12	103.3	103.7	108.1	104.4	106.2	111.3
2016	1	95.8	98.1	78.6	103.3	94.2	96.4
	2	88.9	88.9	70.5	98.5	84.2	91.6
	3	102.6	99.3	112.3	106.4	108.5	107.2
	4	97.7	100.1	116.0	98.1	97.1	97.5
	5	101.1	104.0	117.4	104.9	96.7	100.9
	6	102.0	100.1	120.5	102.1	101.2	101.8
	7	99.6	101.2	103.9	106.7	96.3	99.0
	8	93.2	101.3	108.7	107.5	67.4	96.1
	9	93.6	97.3	101.6	102.3	74.9	102.4
	10	99.0	101.4	115.3	101.0	92.9	108.8
	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 ^p	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	95.6	96.8	104.8	112.1	76.9	103.3

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	99.4	28,141	119,971	145,386	178,955
2017 ^p	126.3	110.7	33,282	138,501	140,780	178,955
2015 12	124.9	112.0	2,683.9	11,931.8	13,517.3	18,501.0
2016 1	97.0	79.7	1,770.8	7,509.3	7,334.6	12,198.6
2	90.7	78.8	2,422.3	7,423.6	9,994.2	12,258.5
3	112.7	102.7	2,579.9	9,599.7	11,592.9	16,178.9
4	111.0	92.1	2,136.1	9,026.6	10,847.6	15,583.0
5	110.6	97.9	2,334.4	9,346.8	9,657.6	16,196.3
6	121.1	107.8	2,873.3	11,603.3	12,284.3	17,250.9
7	105.0	94.6	2,152.8	9,545.3	12,005.8	16,609.6
8	109.8	96.7	1,766.3	9,832.2	13,329.2	15,074.5
9	104.0	99.1	2,151.0	10,195.2	11,373.8	11,573.4
10	109.3	101.9	1,927.8	10,472.6	14,793.3	14,636.7
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 ^p 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	109.9	3,087.6	12,136.7	11,129.3	14,884.7
12	141.4	125.9	2,700.1	14,553.2	20,486.3	16,471.1

1. 선박 제외
2. 경상금액
자료: 통계청

1. Excluding vessels.
2. Current Account
Source: Statistics Korea

8.5. 국제수지

Balance of payments

	수출 Exports	수입 Imports	경상수지 Current account	상품수지	서비스수지	본원소득수지	이전소득수지	자본수지 Capital account
				Goods	Services	Primary income	Secondary income	
million US\$								
1990	65,016	69,844	-2,404	-3,280	471	-527	932	-
1991	71,870	81,525	-7,605	-6,713	-1,050	-582	740	-
1992	76,632	81,775	-2,432	-959	-1,876	-501	905	-
1993	82,236	83,800	2,026	3,031	-1,071	-701	767	-
1994	96,013	102,348	-4,464	-3,531	-630	-1,117	814	-
1995	125,058	135,119	-9,752	-6,518	-1,484	-2,040	291	-
1996	129,715	150,339	-23,831	-16,699	-4,762	-2,102	-268	-
1997	136,164	144,616	-10,285	-6,217	-1,360	-3,053	345	-
1998	132,313	93,282	40,057	39,546	2,780	-5,087	2,819	442
1999	143,685	119,752	21,608	25,254	936	-5,415	833	56
2000	172,268	160,481	10,444	15,631	-973	-4,000	-214	38
2001	150,439	141,098	2,700	9,839	-2,369	-3,508	-1,261	-64
2002	162,471	152,126	4,693	14,905	-5,939	-2,159	-2,114	-9
2003	193,817	178,827	11,877	22,477	-4,961	-2,474	-3,165	-48
2004	253,845	224,463	29,743	39,278	-5,163	-1,333	-3,038	10
2005	284,419	261,238	12,655	32,313	-9,130	-7,269	-3,258	-1
2006	325,465	309,383	3,569	25,174	-13,214	-4,010	-4,382	-69
2007	371,489	356,846	11,795	32,838	-13,247	-3,409	-4,387	6
2008	422,007	435,275	3,190	12,198	-6,543	-1,198	-1,267	26
2009	363,534	323,085	33,593	47,814	-9,590	-2,436	-2,195	-70
2010	466,384	425,212	28,850	47,915	-14,238	490	-5,317	-63
2011	555,214	524,413	18,656	29,090	-12,279	6,561	-4,716	-112
2012	547,870	519,584	50,835	49,406	-5,214	12,117	-5,474	-42
2013	559,632	515,586	81,148	82,781	-6,499	9,056	-4,189	-27
2014	572,665	525,515	84,373	88,885	-3,679	4,151	-4,985	-9
2015	526,757	436,499	105,940	122,269	-14,917	3,572	-4,985	-60
2016	495,426	406,193	99,243	118,895	-17,737	3,852	-5,767	-46
2017 ^p	573,694	478,478	78,460	119,889	-34,472	122	-7,078	-31
2015 12	42,380	35,462	8,102	11,160	-1,322	-676	-1,059	0
2016 1	36,260	31,322	7,619	8,433	-1,620	1,264	-458	-3
2	35,925	29,163	7,984	8,256	-1,165	871	21	-2
3	43,002	33,344	11,358	13,520	-874	-754	-534	-3
4	41,082	32,389	4,262	10,109	-1,731	-3,593	-523	-5
5	39,734	33,025	10,516	10,466	-1,161	1,358	-147	1
6	45,209	33,890	12,262	12,600	-1,313	1,518	-543	-3
7	40,882	33,372	8,829	10,650	-1,461	266	-626	6
8	40,125	35,104	5,666	7,059	-1,476	1,034	-951	17
9	40,846	33,988	8,069	10,475	-2,612	1,025	-819	-9
10	41,983	35,050	7,695	9,165	-1,786	707	-391	-6
11	45,309	37,241	8,028	9,690	-1,814	366	-215	-35
12	45,069	38,304	6,955	8,473	-726	-211	-582	-4
2017 ^p 1	40,257	37,645	5,300	7,731	-3,341	1,177	-267	40
2	43,167	36,203	8,182	10,220	-2,210	719	-547	-2
3	48,638	42,579	5,722	9,356	-3,112	-521	-2	-2
4	50,844	37,959	3,670	11,542	-2,417	-4,924	-531	-26
5	44,927	39,288	5,842	8,596	-1,639	-596	-520	-2
6	51,272	40,551	6,940	9,423	-2,693	643	-434	-32
7	48,830	38,607	7,250	10,587	-3,285	676	-728	15
8	47,106	40,550	6,033	9,184	-2,335	23	-840	-22
9	55,115	41,696	12,288	14,979	-2,878	1,248	-1,062	-1
10	44,791	37,857	5,716	8,597	-3,531	1,168	-519	-7
11	49,707	42,014	7,428	11,461	-3,266	-72	-695	39
12	49,040	43,529	4,092	8,212	-3,766	581	-935	-31

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 ^p	22,528	1,458	21,070	10,370	9,576	2,105	39	296	25	-	
2015	12	20,990	1,290	19,700	9,809	8,622	2,257	40	156	6	-
2016	1	21,085	1,299	19,787	9,838	8,690	2,252	40	160	6	-
	2	21,137	1,304	19,834	9,854	8,730	2,244	40	163	6	-
	3	21,218	1,311	19,907	9,880	8,787	2,237	40	167	6	-
	4	21,293	1,318	19,974	9,903	8,839	2,229	40	173	6	-
	5	21,368	1,326	20,043	9,928	8,890	2,222	39	179	6	-
	6	21,464	1,338	20,126	9,963	8,947	2,217	39	187	7	-
	7	21,531	1,348	20,183	9,990	8,987	2,210	39	192	7	-
	8	21,568	1,353	20,215	10,004	9,014	2,201	39	196	8	-
	9	21,619	1,358	20,261	10,022	9,049	2,193	39	200	8	-
	10	21,673	1,364	20,309	10,042	9,086	2,185	39	205	9	-
	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 ^p	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	-

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 ^p		13.0	2,687.6	889.4
2015	12	13.6	2,459.1	861.1
2016	1	-3.2	657.2	0.0
	2	0.2	516.4	0.0
	3	7.0	339.6	0.0
	4	14.1	121.1	3.1
	5	19.6	19.8	68.1
	6	23.6	0.0	167.9
	7	26.2	0.0	255.3
	8	28.0	0.3	310.2
	9	23.1	0.0	152.5
	10	16.1	79.1	19.6
	11	6.8	336.8	0.0
	12	1.2	519.4	0.0
2017 ^p	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

주: 서울시 기준
자료: 기상청

Note: Based on Seoul
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	소비지출	교통	연료비	소득	소비지출	교통	연료비	
	Income	Consumption expenditure	Transport	Fuel expenses	Income	Consumption expenditure	Transport	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
2014	4/4	4,287	2,512	327	126	4,698	2,665	361	136
2015	1/4	4,550	2,672	308	115	5,081	2,875	352	125
	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 ^p	1/4	4,665				5,318			
	2/4	4,380				4,734			
	3/4	4,581				5,068			
	4/4	4,472				4,891			

자료: 통계청

Source: Statistics Korea

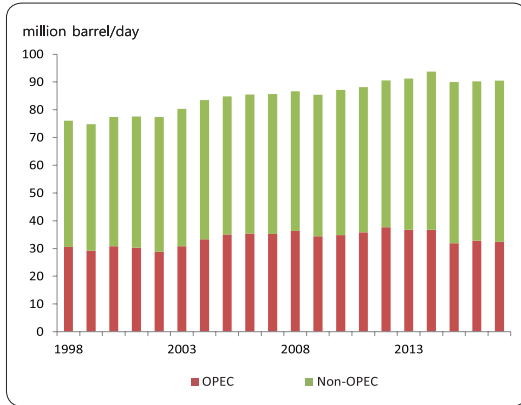
9. 해외 에너지

World energy

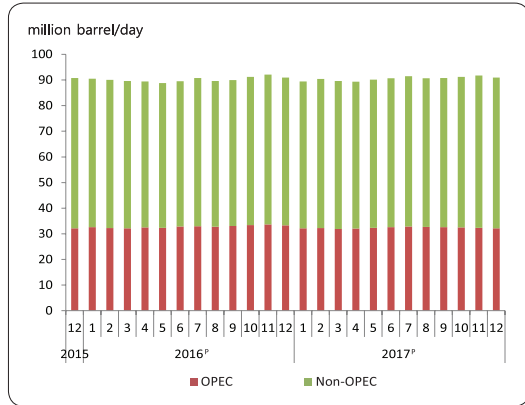


□ 세계 원유 생산 World crude oil production

<1998~2017^P>

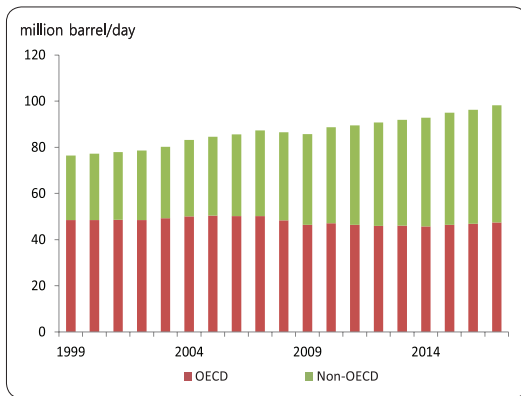


<월별 Monthly>

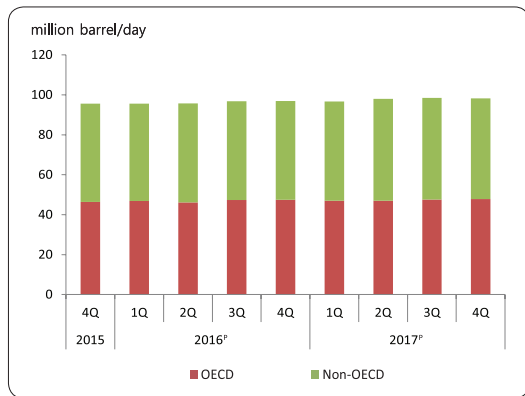


□ 세계 석유 수요 World oil demand

<1998~2017^P>

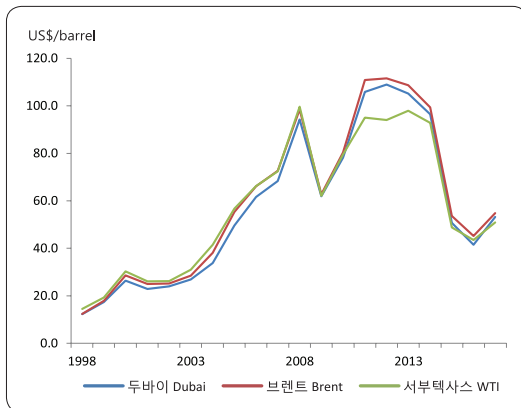


<분기 Quarterly>

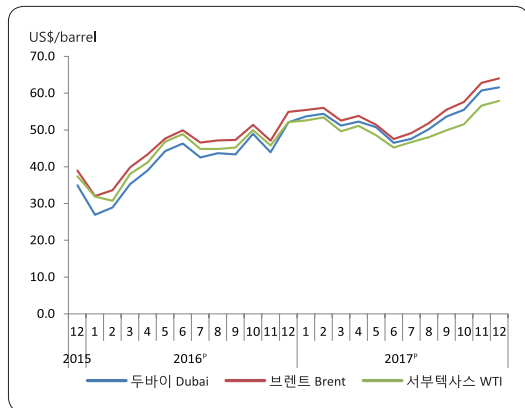


□ 국제 석유 가격 International oil price

<1998~2017^P>



<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		32.80	10.42	3.55	4.42	2.88	3.05	2.24	1.47
2017 ^p		32.35	9.96	3.80	4.47	2.71	2.93	1.97	1.53
2015	12	32.14	10.11	2.90	4.37	2.84	2.96	2.44	1.74
2016	1	32.61	10.19	2.99	4.48	2.90	3.08	2.40	1.78
	2	32.23	10.19	3.18	4.21	2.88	2.76	2.40	1.78
	3	32.10	10.18	3.25	4.20	2.90	2.86	2.36	1.53
	4	32.46	10.22	3.54	4.37	2.82	2.82	2.33	1.59
	5	32.32	10.23	3.60	4.25	2.88	3.06	2.24	1.39
	6	32.80	10.51	3.62	4.29	2.88	3.12	2.21	1.43
	7	32.96	10.63	3.63	4.37	2.91	3.14	2.20	1.31
	8	32.76	10.59	3.67	4.39	2.94	3.11	2.19	1.15
	9	33.05	10.60	3.71	4.53	2.92	3.15	2.17	1.29
	10	33.36	10.56	3.85	4.59	2.93	3.15	2.15	1.45
	11	33.67	10.64	3.80	4.65	2.83	3.15	2.12	1.53
	12	33.28	10.45	3.78	4.68	2.81	3.18	2.10	1.39
2017 ^p	1	32.09	9.77	3.75	4.50	2.71	3.01	2.09	1.43
	2	32.24	9.98	3.81	4.44	2.71	2.94	2.09	1.45
	3	31.90	9.91	3.79	4.45	2.70	2.92	2.07	1.30
	4	32.03	9.96	3.75	4.49	2.71	2.94	2.06	1.38
	5	32.30	9.90	3.78	4.50	2.72	2.93	2.05	1.53
	6	32.61	10.05	3.79	4.51	2.71	2.93	2.03	1.57
	7	32.84	10.03	3.81	4.48	2.70	2.95	2.03	1.60
	8	32.62	9.96	3.84	4.47	2.70	2.94	1.99	1.66
	9	32.57	9.97	3.84	4.49	2.71	2.93	1.94	1.61
	10	32.46	10.05	3.78	4.41	2.70	2.93	1.86	1.60
	11	32.34	9.95	3.85	4.45	2.71	2.90	1.78	1.58
	12	32.16	9.97	3.82	4.49	2.70	2.87	1.61	1.61

1. 기타석유, NGL, Cond. 포함.

2. 중립지대 지분 포함.

자료: IEA, Oil market report

1. Include others, NGL, Cond.

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 World	비OPEC ¹ Non-OPEC	미국 USA	캐나다 Canada	러시아 Russia	중국 China	멕시코 Mexico	브라질 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		96.50	58.10	12.99	4.39	11.09	4.28	2.60	2.53
2016		96.96	57.37	12.53	4.47	11.34	3.98	2.47	2.61
2017 ^p		97.37	58.15	13.20	4.80	11.36	3.87	2.23	2.74
2015	12	97.35	58.58	12.88	4.66	11.19	4.27	2.59	2.63
2016	1	97.06	57.81	12.69	4.69	11.31	4.17	2.59	2.43
	2	96.64	57.76	12.74	4.62	11.29	4.15	2.53	2.42
	3	96.22	57.47	12.81	4.54	11.29	4.09	2.52	2.35
	4	96.24	56.96	12.70	4.19	11.20	4.03	2.49	2.38
	5	95.60	56.47	12.73	3.56	11.21	3.97	2.48	2.59
	6	96.33	56.71	12.52	3.85	11.23	4.03	2.51	2.67
	7	97.61	57.79	12.44	4.48	11.25	3.94	2.48	2.68
	8	96.39	56.77	12.27	4.62	11.07	3.87	2.47	2.72
	9	96.81	56.90	12.15	4.62	11.49	3.89	2.42	2.79
	10	97.99	57.81	12.44	4.68	11.60	3.78	2.40	2.73
	11	98.87	58.38	12.57	5.01	11.58	3.91	2.38	2.73
	12	97.71	57.62	12.37	4.79	11.58	3.95	2.34	2.85
2017 ^p	1	96.23	57.30	12.29	4.99	11.48	3.86	2.33	2.81
	2	97.22	58.14	12.81	5.01	11.48	3.94	2.33	2.79
	3	96.44	57.70	12.94	4.78	11.42	3.92	2.33	2.65
	4	96.18	57.26	12.90	4.36	11.37	3.91	2.31	2.66
	5	96.95	57.77	13.01	4.50	11.33	3.86	2.32	2.77
	6	97.54	58.04	13.00	4.56	11.32	3.98	2.31	2.80
	7	98.34	58.59	13.14	4.81	11.33	3.86	2.28	2.74
	8	97.55	58.02	13.04	4.98	11.29	3.80	2.20	2.68
	9	97.59	58.12	13.27	4.79	11.29	3.82	2.00	2.77
	10	98.06	58.75	13.75	4.78	11.31	3.82	2.17	2.75
	11	98.53	59.34	14.15	5.04	11.33	3.88	2.11	2.71
	12	97.80	58.79	14.10	5.05	11.33	3.82	2.11	2.73

1. 기타석유, NGL, Cond. 포함.
자료: IEA, Oil market report

1. Include others, NGL, Cond.
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	96.2	46.9	24.7	14.0	8.1	49.3	4.7	0.7	11.9	12.9	6.6	8.3	4.3
2017 ^p	97.8	47.4	24.9	14.3	8.2	50.8	4.8	0.7	12.5	13.3	6.6	8.3	4.3
2014 4Q	93.9	46.4	24.5	13.6	8.3	47.5	5.0	0.7	10.8	12.3	6.9	7.9	3.9
2015 1Q	93.6	46.5	24.3	13.5	8.7	47.1	4.6	0.7	11.2	12.3	6.6	7.6	4.1
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	95.4	46.8	24.6	13.6	8.6	48.7	4.5	0.7	11.8	13.0	6.5	7.9	4.3
2Q	95.7	46.1	24.5	13.9	7.7	49.6	4.5	0.7	12.1	13.0	6.6	8.4	4.3
3Q	96.9	47.3	25.1	14.4	7.8	49.5	4.9	0.7	11.6	12.7	6.7	8.7	4.2
4Q	96.9	47.4	24.8	14.2	8.4	49.5	4.9	0.7	11.9	13.0	6.5	8.1	4.3
2017 ^p 1Q	96.6	47.0	24.5	13.9	8.6	49.6	4.6	0.7	12.5	13.1	6.4	7.9	4.4
2Q	98.0	47.0	25.0	14.3	7.8	51.0	4.7	0.7	12.6	13.5	6.6	8.5	4.3
3Q	98.4	47.6	25.0	14.7	7.9	50.8	5.0	0.8	12.2	13.2	6.7	8.7	4.2
4Q	98.2	47.8	24.9	14.3	8.4	50.4	4.9	0.7	12.5	13.5	6.6	7.9	4.3

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		61.0	61.0	61.6	66.1	66.3	62.7
2007		69.5	69.1	68.3	72.7	72.4	68.8
2008		94.1	94.8	94.3	98.5	99.8	95.0
2009		60.9	61.2	61.9	62.7	62.1	62.2
2010		77.4	77.8	78.1	80.3	79.6	78.4
2011		107.4	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		96.2	97.1	96.6	99.5	92.9	96.8
2015		49.5	49.9	50.7	53.6	48.8	51.1
2016		40.7	40.9	41.4	45.1	43.5	42.1
2017 ^p		52.8	53.0	53.2	54.7	50.9	53.5
2015	12	33.6	33.7	34.9	38.9	37.3	35.0
2016	1	26.5	26.4	26.9	31.9	31.8	27.1
	2	28.7	28.8	28.9	33.5	30.6	29.6
	3	34.7	34.7	35.2	39.8	38.0	36.4
	4	37.9	38.2	39.0	43.3	41.1	39.9
	5	43.2	43.5	44.3	47.7	46.8	45.0
	6	45.8	46.3	46.3	49.9	48.9	46.7
	7	42.7	43.1	42.5	46.5	44.8	43.2
	8	43.1	43.5	43.6	47.2	44.8	44.5
	9	42.9	42.7	43.3	47.2	45.2	44.1
	10	47.9	48.3	49.0	51.4	49.9	49.7
	11	43.2	43.3	43.9	47.1	45.8	44.6
	12	51.7	51.9	52.1	54.9	52.2	52.9
2017 ^p	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

1. 현물가격
자료: OPEC, 석유공사

1. Spot prices
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

소 속	기관명		
	담당자		
	부서/직위	부서 :	직위 :
주 소	우편번호		
	주소		
담당자 연락처	전화		
	팩스		
	전자우편		
회원구분	● 일반회원(국내)〈 〉 ● 일반회원(국외)〈 〉 ● 포럼회원(국내)〈 〉		

3. 연회비 납입방법

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

4. 문의

- 에너지경제연구원 대외협력홍보팀 김 동 현
- 전화 : (052)714-2297 - 팩스 : (052)714-2027



승인번호
제 339001 호

제 34 권 제 3 호
에너지통계월보
2018. 3

발행일 : 2018년 3월

발행인 : 박주헌

발행처 : 에너지경제연구원

우 44543

울산광역시 중구 종가로 405-11(성안동)

Vol. 34. No. 3

MONTHLY ENERGY STATISTICS

Published on March 2018

Publisher : Joo-Heon Park

Published by Korea Energy Economics Institute

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

인쇄 : 디자인법신

2018 에너지통계월보

MONTHLY ENERGY STATISTICS

