



승인번호  
제 339001 호

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## 에너지통계연보

Yearbook of Energy Statistics

2024년 자료 | Data up to 2024



기후에너지환경부

에너지경제연구원  
Korea Energy Economics Institute





## 약어 및 부호 Abbreviations and Conventional Signs

**kcal** : Kilocalorie(킬로 칼로리)

**GWh** : Gigawatt hour(기가와트아워)

**MWh** : Megawatt hour(메가와트아워)

**t** : Metric Ton(메트릭톤) = Tonne = 1,000kg

**toe** : Tonne of Oil Equivalent(티오이; 석유환산톤) =  $10^7$  kcal

– Nil(없음)

**p** Preliminary(잠정값)

… Not available(해당없음)

**e** Estimate(추정값)

## 열량환산계수 적용안내

에너지법 시행규칙 제5조제1항에 의거

2007년부터 매 5년마다 변경된 열량을 적용하고 있으니 이용에 유의하시기 바랍니다.



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# 1. 일러두기 Explanatory Notes

## 1. 에너지밸런스 개정에 따른 에너지통계연보 통계량의 변화

- 에너지경제연구원은 에너지수급통계 생산을 위한 작성 틀인 에너지밸런스를 전면 개정하였으며, 개정된 에너지밸런스는 새로운 에너지수급통계 작성 방법으로 통계변경 승인을 완료(2022.10.17.)함.
  - 기존의 에너지밸런스(이하 구에너지밸런스)는 1980년대 구축된 이후 부분적인 수정만을 거쳐 왔기 때문에 최근의 복잡하고 다양화된 에너지수급 현황을 정확히 반영하는데 한계가 존재했음.
  - 이에 따라 에너지경제연구원은 국제기준(IEA)을 준용하면서 우리나라 에너지수급 현황을 가장 현실화할 수 있는 구조 설계와 작성 방법으로 개정된 에너지밸런스를 구축함.
  - 개정된 에너지밸런스는 에너지상품과 에너지흐름을 현실에 맞게 추가 및 세분화하여 구에너지밸런스가 갖고 있던 문제점들을 해소하고, 통계의 정확성을 제고함.
  - 개정된 에너지밸런스는 일 년의 기간에 대한 국가 에너지상품의 수급 흐름을 상세하게 표현한 확장밸런스(Extended balances)와 에너지상품의 수급 흐름을 신속히 파악하는 것을 목적으로 한 달을 집계 기간으로 작성되는 간이밸런스(Simple balances)로 구성됨.
    - 구에너지밸런스: 에너지상품 29개, 에너지흐름 41개
    - 개정에너지밸런스(확장): 에너지상품 58개, 에너지흐름 88개
    - 개정에너지밸런스(간이): 에너지상품 41개, 에너지흐름 48개
- 에너지밸런스 변경 승인이 완료됨에 따라 에너지경제연구원은 에너지통계월보 2022년 12월호부터 개정된 에너지밸런스를 기준으로 작성된 통계량을 반영하여 발표함.
  - 에너지통계월보는 매월 집계되는 간이에너지밸런스를 기준으로 작성됨.
- 개정된 에너지밸런스의 구성요소와 구조는 부록의 'B. 간이밸런스 용어'를 참고

## 2. 과거 에너지밸런스 재검증에 따른 통계량의 변화

- 에너지경제연구원은 2025년 4월부터 9월까지 에너지원별 통계 작성기관과 함께 1990~2023년 월별 통계량에 대한 재검증을 실시하였고, 그 결과 2025년 10월 에너지통계월보 발간일을 기준으로 1990~2023년 일부 통계량을 변경하여 제공함.

## 3. 에너지수급통계 작성 개요

### 가. 통계작성 근거

- 에너지법 제19조(에너지 관련 통계의 관리·공표)

### 나. 통계작성 승인 내용

- 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 수요전망, 에너지효율 분석 등 각종 에너지정책 수립을 위한 연구의 기초자료로 활용

# 1. 일러두기 Explanatory Notes

## 다. 연혁

- 1982년 11월: 에너지통계연보 초안 작성
- 1983년 11월: 에너지통계연보 작성 발간
- 1994년: 통계청 승인 간행물
- 1997년: 지역에너지통계연보 준비호 발간
- 1998년: 지역에너지통계연보 제1호 발간
- 2002년 4월: 통계작성 승인(제339001호, 2002.04.02)
- 2008년 2월: 작성기관 변경(산업자원부 → 지식경제부)
- 2008년 6월: 작성기관 변경(지식경제부 → 에너지경제연구원)
- 2022년 10월: 통계변경 승인(에너지밸런스 개정)
- 2025년 6월: 에너지수급통계 전문기관 지정(에너지경제연구원)

## 라. 작성 방법

- “에너지통계의 작성 등에 관한 규정”(기후에너지환경부고시 제2025-61호) 제8조의 에너지수급통계 작성기관에서 매월 생산 및 판매실적을 보고 받아, 제6조에 따라 전문기관인 에너지경제연구원에서 에너지밸런스 및 국가에너지수급 관련 통계를 작성  
※ 에너지수급통계 작성 체계 참조

## 마. 작성 내용

- 에너지생산 및 수·출입: 국내생산, 수입, 수출, 국제병커링, 일차에너지공급, 재고 등
- 일차에너지소비 및 전환(발전, 석유제품생산 및 가스제조, 에너지산업자체소비 및 손실 등)
- 최종소비
  - 산업부문: 농림업, 어업, 광업, 제조업(12개업종), 건설업
  - 가정부문
  - 수송부문: 철도, 도로, 국내해운, 국내항공
  - 상업·공공 부문

## 바. 결과 공표

- 작성주기
  - 에너지통계월보 발간: 매월 15일경
  - 에너지통계연보 발간: 매년 12월경
  - 지역에너지통계연보 발간: 매년 12월경
- 공표주기
  - 월간통계: 작성기준 월 2개월 후
  - 연간통계: 작성기준 익년 12월
- 웹사이트: 국가에너지통계종합정보시스템(KESIS: Korea Energy Statistical Information System)
  - kesis.keei.re.kr

## 사. 에너지수급통계 작성 체계



## 2. 단위 및 열량환산표 Unit Conversion Factors

### 가. 부피

Units	m <sup>3</sup>	cm <sup>3</sup>	liter	in <sup>3</sup>	ft <sup>3</sup>	미gal	영gal	bbl
1 m <sup>3</sup>	1	10 <sup>6</sup>	10 <sup>3</sup>	6.102374×10 <sup>4</sup>	35.31467	264.1721	219.969	6.2892
1 cm <sup>3</sup>	10 <sup>-6</sup>	1	10 <sup>-3</sup>	0.06102374	3.531467×10 <sup>-5</sup>	2.641721×10 <sup>-4</sup>	2.19969×10 <sup>-1</sup>	6.2892×10 <sup>-5</sup>
1 liter	10 <sup>-3</sup>	1000	1	61.02374	0.03531467	0.2641721	0.219969	6.2892×10 <sup>-3</sup>
1 in <sup>3</sup>	1.638706×10 <sup>-5</sup>	16.38706	0.01638706	1	5.787037×10 <sup>-4</sup>	4.329004×10 <sup>-3</sup>	3.60465×10 <sup>-3</sup>	0.10306×10 <sup>-3</sup>
1 ft <sup>3</sup>	2.831685×10 <sup>-2</sup>	28316.85	28.31685	1728	1	7.480520	6.2288	0.178
1 gal (U.S)	3.785412×10 <sup>-3</sup>	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(미)	Long Ton(영)
1 g	1	10 <sup>-3</sup>	0.03527396	2.204623×10 <sup>-3</sup>	10 <sup>-6</sup>	1.102311×10 <sup>-6</sup>	9.842×10 <sup>-7</sup>
1 kg	1000	1	35.27396	2.204623	10 <sup>-3</sup>	1.102311×10 <sup>-3</sup>	9.842×10 <sup>-4</sup>
1 oz(avdp)	28.34952	0.02834952	1	0.0625	2.834952×10 <sup>-5</sup>	5×10 <sup>-1</sup>	2.790×10 <sup>-5</sup>
1 lb(avdp)	453.5924	0.4535924	16	1	4.535924×10 <sup>-4</sup>	0.0005	4.464×10 <sup>-4</sup>
1 metric Ton	10 <sup>6</sup>	1000	35273.96	2204.623	1	1.102311	0.9842
1 Ton(U.S)	907184.7	907.1847	32000	2000	0.9071847	1	0.8927
1 Ton(U.K)	1016.0×10 <sup>3</sup>	1016.0	35.838×10 <sup>3</sup>	2240.143	1.0160	1.1200	1

### 다. 에너지

Units	EJ	Gcal	Mtoe	Mbtu	bcme	GWh
EJ	1	2.388×10 <sup>8</sup>	23.88	9.478×10 <sup>8</sup>	27.78	2.778×10 <sup>5</sup>
Gcal	4.1868×10 <sup>-9</sup>	1	10 <sup>-7</sup>	3.968	1.163×10 <sup>-7</sup>	1.163×10 <sup>-3</sup>
Mtoe	4.1868×10 <sup>-2</sup>	10 <sup>7</sup>	1	3.968×10 <sup>7</sup>	1.163	11.630
Mbtu	1.0551×10 <sup>-9</sup>	0.252	2.52×10 <sup>-8</sup>	1	2.932×10 <sup>-8</sup>	2.931×10 <sup>-4</sup>
bcme	0.036	8.60×10 <sup>6</sup>	0.86	3.41×10 <sup>7</sup>	1	9.999
GWh	3.6×10 <sup>-6</sup>	860	8.6×10 <sup>-5</sup>	3.412×10 <sup>3</sup>	1×10 <sup>-4</sup>	1



## 라. 비중과 톤당 용적(60°F 기준)

API	비중	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

명칭	기호	크기
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	$\mu$	$10^{-6}$
Nano	n	$10^{-9}$
Pico	p	$10^{-12}$
Femto	f	$10^{-15}$
Atto	a	$10^{-18}$

### 3. 에너지 열량 환산기준 Energy Conversion Factors

#### 가. 8차 에너지열량 환산기준(2022년 1월 통계부터 적용)

2022년 11월 21일 개정(2022년 1월부터 적용)

에너지원		단위	총발열량			순발열량		
			MJ	kcal	석유환산톤 (10 <sup>-3</sup> toe)	MJ	kcal	석유환산톤 (10 <sup>-3</sup> toe)
석유 (18종)	원유	kg	45.7	10,920	1.092	42.8	10,220	1.022
	휘발유	ℓ	32.4	7,750	0.775	30.1	7,200	0.720
	등유	ℓ	36.6	8,740	0.874	34.1	8,150	0.815
	경유	ℓ	37.8	9,020	0.902	35.3	8,420	0.842
	바이오디젤	ℓ	34.7	8,280	0.828	32.3	7,730	0.773
	B-A유	ℓ	39.0	9,310	0.931	36.5	8,710	0.871
	B-B유	ℓ	40.6	9,690	0.969	38.1	9,100	0.910
	B-C유	ℓ	41.8	9,980	0.998	39.3	9,390	0.939
	프로판(LPG1호)	kg	50.2	12,000	1.200	46.2	11,040	1.104
	부탄(LPG3호)	kg	49.3	11,790	1.179	45.5	10,880	1.088
	나프타	ℓ	32.2	7,700	0.770	29.9	7,140	0.714
	용제	ℓ	32.8	7,830	0.783	30.4	7,250	0.725
	항공유	ℓ	36.5	8,720	0.872	34.0	8,120	0.812
	아스팔트	kg	41.4	9,880	0.988	39.0	9,330	0.933
	윤활유	ℓ	39.6	9,450	0.945	37.0	8,830	0.883
	석유코크스	kg	34.9	8,330	0.833	34.2	8,170	0.817
	부생연료유1호	ℓ	37.3	8,900	0.890	34.8	8,310	0.831
	부생연료유2호	ℓ	39.9	9,530	0.953	37.7	9,010	0.901
가스 (3종)	액화천연가스(LNG)	kg	54.7	13,080	1.308	49.4	11,800	1.180
	도시가스(LNG)	Nm³	42.7	10,190	1.019	38.5	9,190	0.919
	도시가스(LPG)	Nm³	63.4	15,150	1.515	58.3	13,920	1.392
석탄 (7종)	국내무연탄	kg	19.7	4,710	0.471	19.4	4,620	0.462
	연료용 수입무연탄	kg	23.0	5,500	0.550	22.3	5,320	0.532
	원료용 수입무연탄	kg	25.8	6,170	0.617	25.3	6,040	0.604
	연료용 유연탄(역청탄)	kg	24.6	5,860	0.586	23.3	5,570	0.557
	원료용 유연탄(역청탄)	kg	29.4	7,030	0.703	28.3	6,760	0.676
	아역청탄	kg	20.6	4,920	0.492	19.1	4,570	0.457
	코크스	kg	28.6	6,840	0.684	28.5	6,810	0.681
전기 등 (3종)	전기(발전기준)	kWh	8.9	2,130	0.213	8.9	2,130	0.213
	전기(소비기준)	kWh	9.6	2,290	0.229	9.6	2,290	0.229
	신탄	kg	18.8	4,500	0.450	-	-	-

주 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 1톤이 갖는 열량으로 107kcal을 말한다.

4) 석탄의 발열량은 인수식을 기준으로 한다.

5) 최종에너지사용자가 사용하는 전기에너지를 열에너지로 환산할 경우에는 1kWh=860kcal을 적용한다.

6) 1cal=4.1868J, Nm<sup>3</sup>은 0℃ 1기압 상태의 단위체적(세제곱미터)을 말한다.

7) 에너지원별 발열량(MJ)은 소수점 아래 둘째 자리에서 반올림한 값이며, 발열량(kcal)은 발열량(MJ)으로부터 환산한 후 1의 자리에서 반올림한 값이다. 두 단위 간 상충될 경우 발열량(MJ)이 우선한다.

## 나. 총발열량 추이

에너지원		단위	총발열량								17년 대비 열량 증감
			1980	1981	1987	1990	2007	2012	2017	2022	
석유 (18종)	원유	kg	10,000	10,000	10,000	10,000	10,750	10,730	10,750	10,920	↑ 170
	휘발유	ℓ	8,300	8,300	8,300	8,300	8,000	7,780	7,810	7,750	↓ 60
	등유(실내)	ℓ	8,700	8,700	8,700	8,700	8,800	8,790	8,770	8,740	↓ 30
	등유(보일러)	ℓ					8,950				-
	경유	ℓ	9,200	9,200	9,200	9,200	9,050	9,010	9,030	9,020	↓ 10
	바이오디젤	ℓ	-	-	-	-	-	-	-	8,280	-
	B-A	ℓ	9,500	9,400	9,400	9,400	9,300	9,290	9,310	9,310	-
	B-B	ℓ	9,200	9,700	9,700	9,700	9,650	9,670	9,670	9,690	↑ 20
	B-C	ℓ	9,900	9,900	9,900	9,900	9,900	9,950	9,960	9,980	↑ 20
	프로판	kg	12,000	12,000	12,000	12,000	12,050	12,050	12,040	12,000	↓ 40
	부탄	kg	11,800	11,800	11,800	11,800	11,850	11,850	11,820	11,790	↓ 30
	나프타	ℓ	8,000	8,000	8,000	8,000	8,050	7,710	7,710	7,700	↓ 10
	용제	ℓ	-	-	-	(8,200)	7,950	7,950	7,830	7,830	-
	항공유(JA-1)	ℓ	-	8,700	8,700	8,700	8,750	8,730	8,720	8,720	-
	항공유(JP-4)	ℓ	-	8,500	8,500	8,500					
	항공유(AVI-G)	ℓ	-	8,700	8,700	8,700					
	아스팔트	kg	-	-	-	(10,000)	9,900	9,910	9,890	9,880	↓ 10
	윤활유	ℓ	-	-	-	(9,400)	9,250	9,500	9,550	9,450	↓ 100
	석유코크스	kg	-	-	-	(10,800)	8,100	8,000	8,360	8,330	↓ 30
	부생연료유1호	ℓ	-	-	-	-	8,850	8,800	8,860	8,900	↑ 40
	부생연료유2호	ℓ	-	-	-	-	9,700	9,550	9,530	9,530	-
가스 (3종)	액화천연가스(LNG)	kg	-	9,500	12,980	13,000	13,000	13,040	13,060	13,080	↑ 20
	도시가스(LNG)	Nm <sup>3</sup>	7,000	7,000	7,000	10,500	10,550	10,430	10,290	10,190	↓ 100
	도시가스(LPG)	Nm <sup>3</sup>	-	-	-	15,000	15,000	15,000	15,190	15,150	↓ 40
석탄 (7종)	국내 무연탄	kg	4,600	4,600	4,500	4,500	4,650	4,500	4,730	4,710	↓ 20
	연료용 수입 무연탄	kg	-	-	-	6,000	6,550	5,020	5,060	5,500	↑ 440
	원료용 수입 무연탄	kg					5,900	6,020	6,170	6,170	↑ 150
	연료용 유연탄(역청탄)	kg	6,600	6,600	6,600	6,600	6,200	6,160	5,920	5,860	↓ 60
	원료용 유연탄(역청탄)	kg					7,000	7,000	6,970	7,030	↑ 60
	아역청탄	kg	-	-	-	-	5,350	5,420	5,110	4,920	↓ 190
	코크스	kg	6,500	6,500	6,500	6,500	7,050	6,960	6,930	6,840	↓ 90
전기 등 (3종)	전기(발전기준)	kWh	2,500	2,500	2,500	2,500	2,150	2,110	2,130	2,130	-
	전기(소비기준)	kWh	-	-	-	-	-	2,300	2,290	2,290	-
	신탄	kg	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500	-



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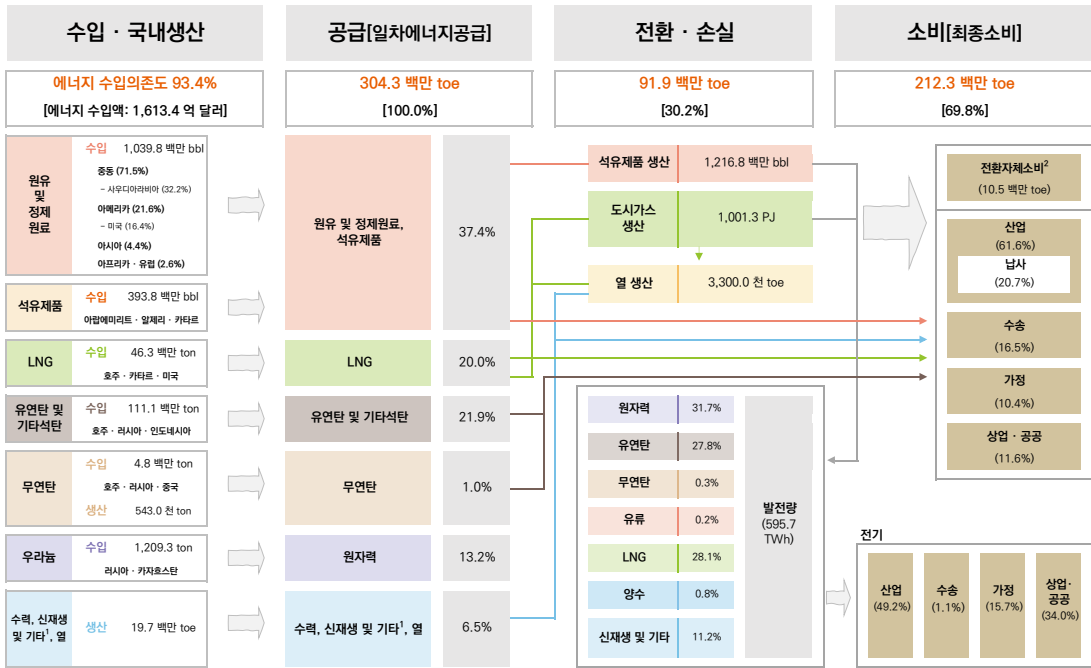
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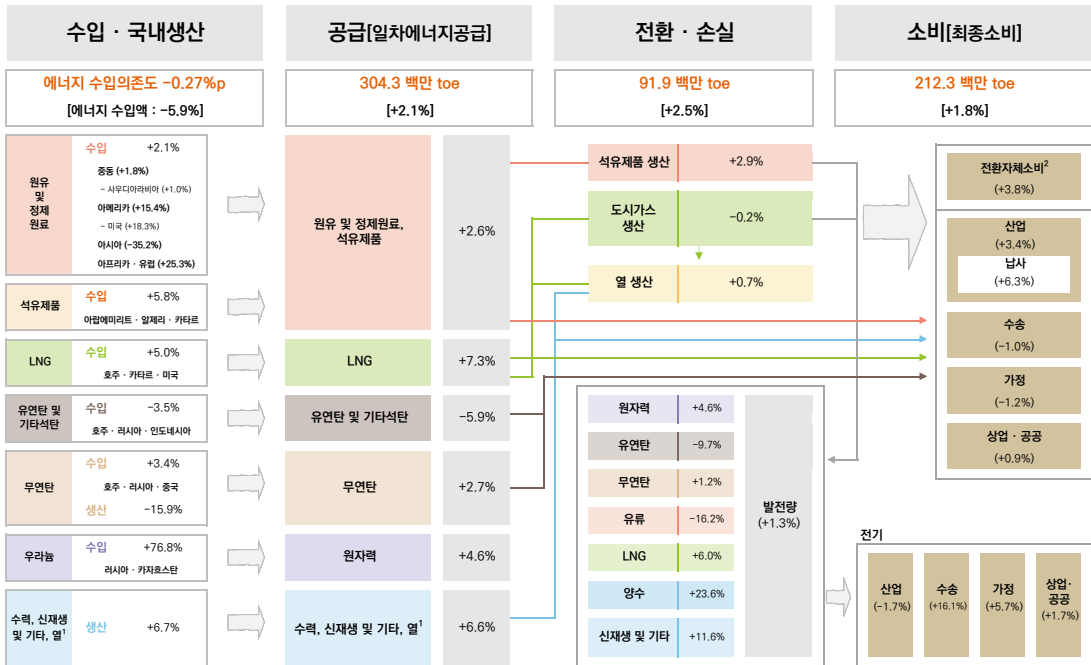




## 2024년(잠정) 에너지 플로우



## 2024년(잠정) 에너지 플로우 (전년 대비)

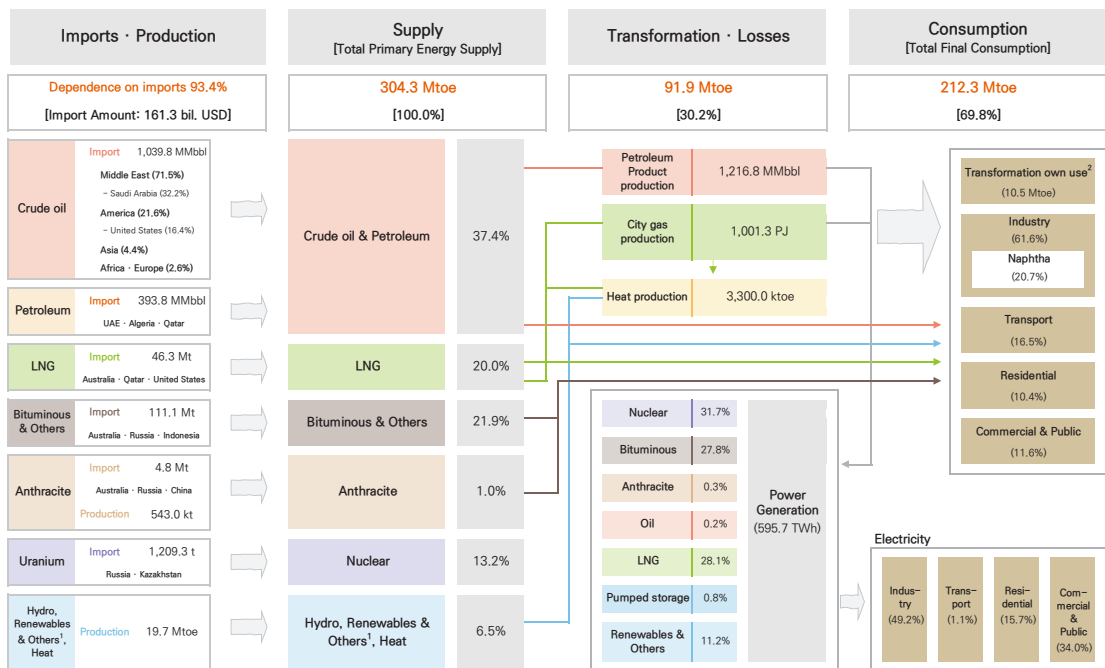


1. 신재생 및 기타에너지는 1) 바이오 및 폐기물, 2) 지열, 태양 및 기타로 구성됨.

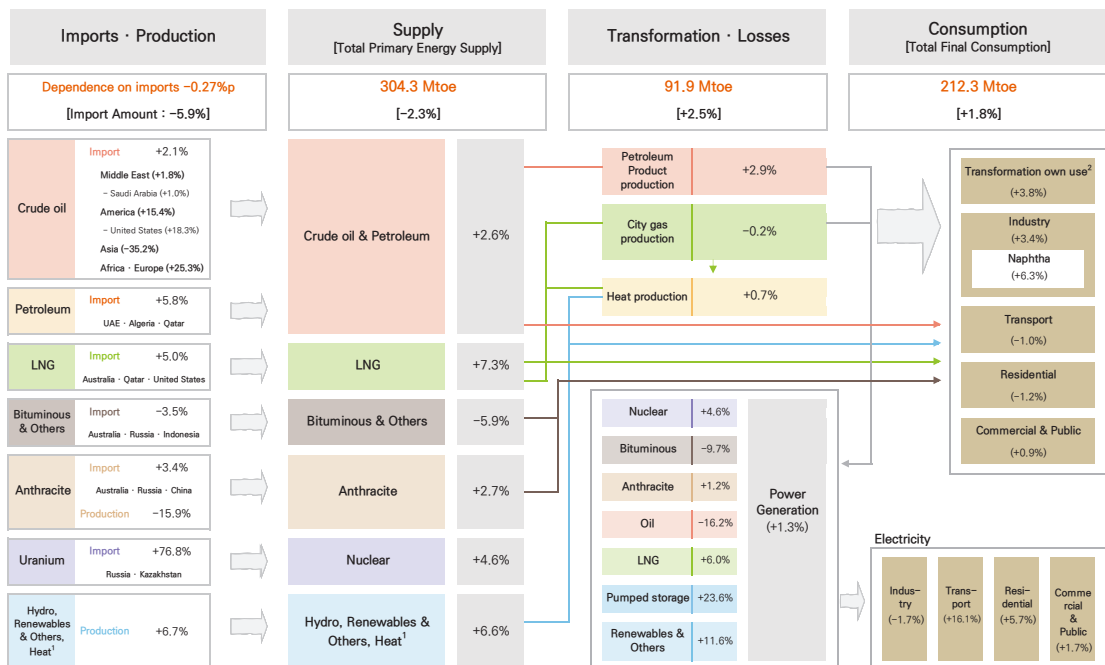
2. 전환자체소비는 에너지생산 플랜트의 활동을 유지하는데 사용되는 에너지 상품을 의미함. 다른 에너지 상품으로 전환되지 않기 때문에 전환공정과 구별되며, 산업활동을 위한 에너지소비인 최종소비 산업부문에도 포함되지 않음



## 2024p Energy Flow



## 2024p Energy Flow (Year-on-Year)

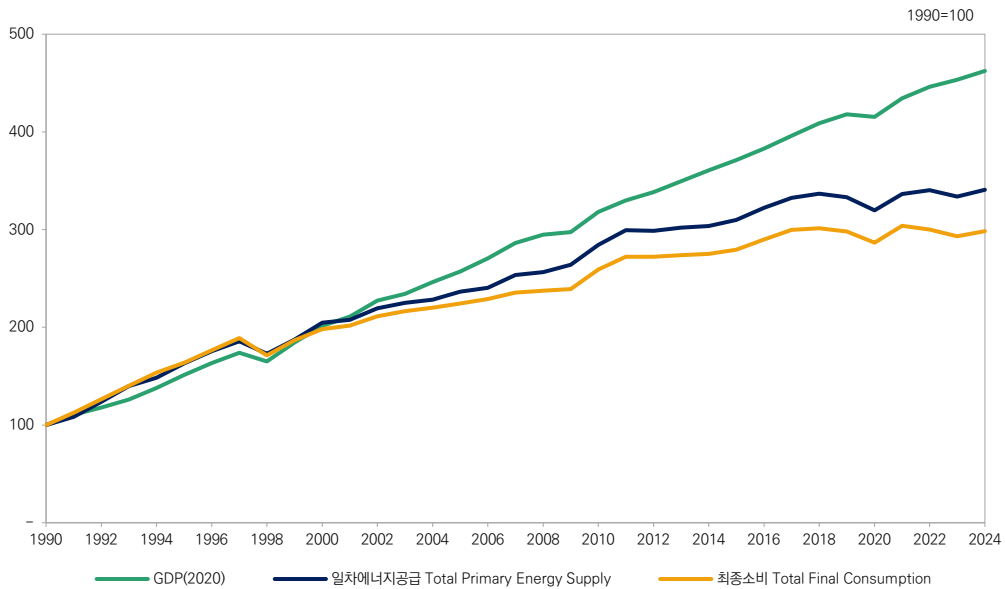


1. Renewables & Others consist of 1) Biofuels and waste, 2) Geothermal, solar, etc.

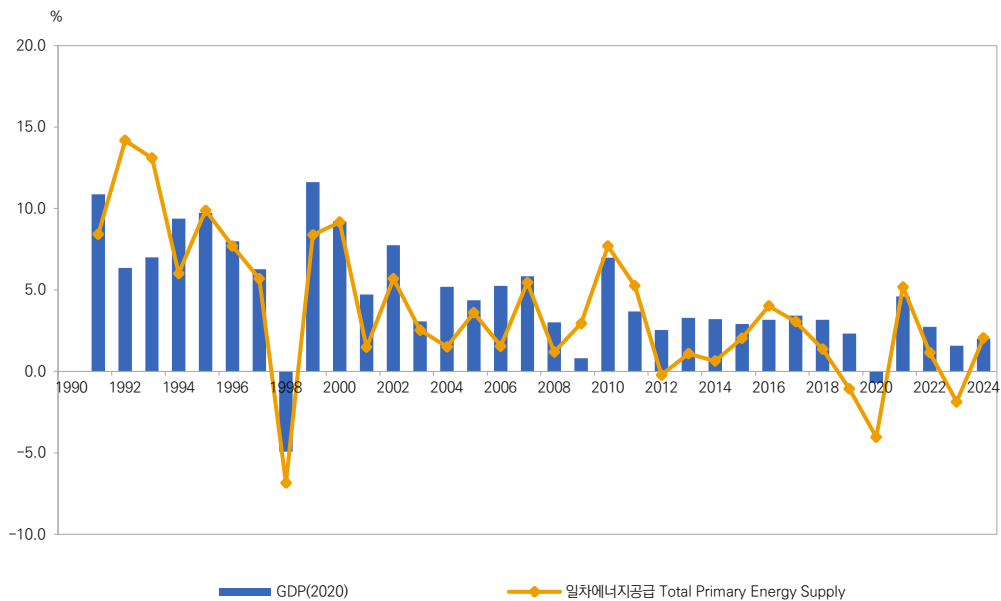
2. Transformation own use(energy industry own use) is distinct from the transformation process because it is not converted into other energy commodities and is not included in the final consumption, which is energy consumption for industrial activities.

## 1. 경제성장과 에너지소비 Economic Growth and Energy Consumption

### ● GDP와 에너지 소비지표 Trends in Energy Consumption, GDP and Indicators

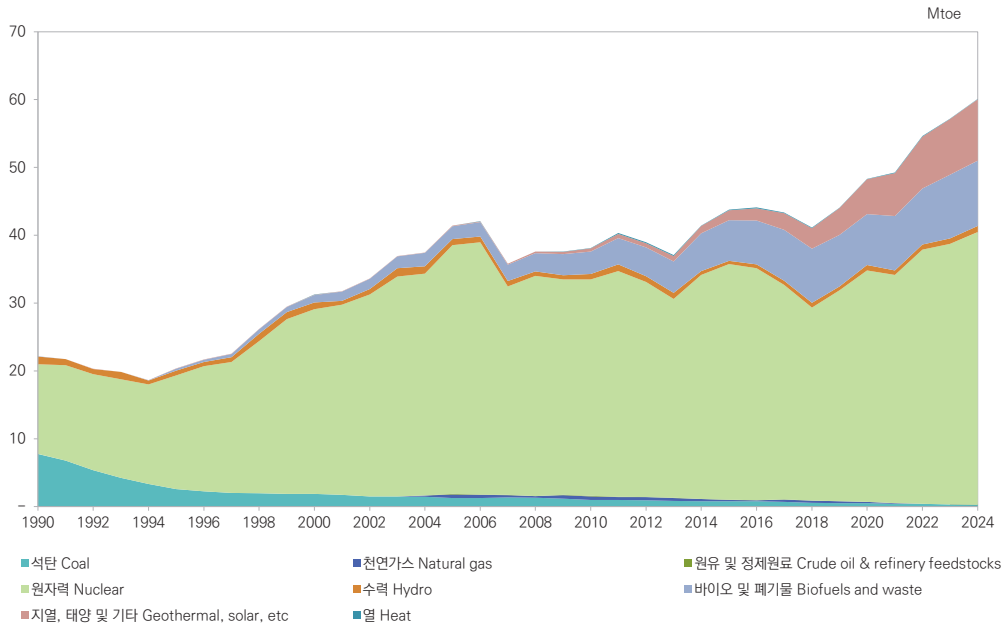


### ● GDP와 일차에너지공급 증가율 GDP and TPES Growth Rate

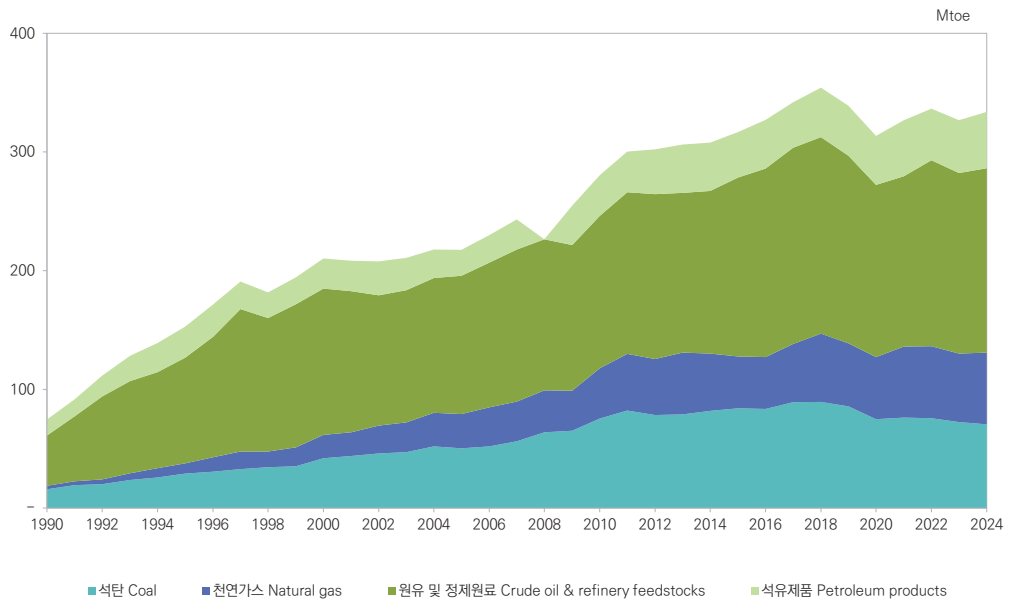


## 2. 에너지 생산 · 수입 Energy Production & Import

### ● 국내생산 Production

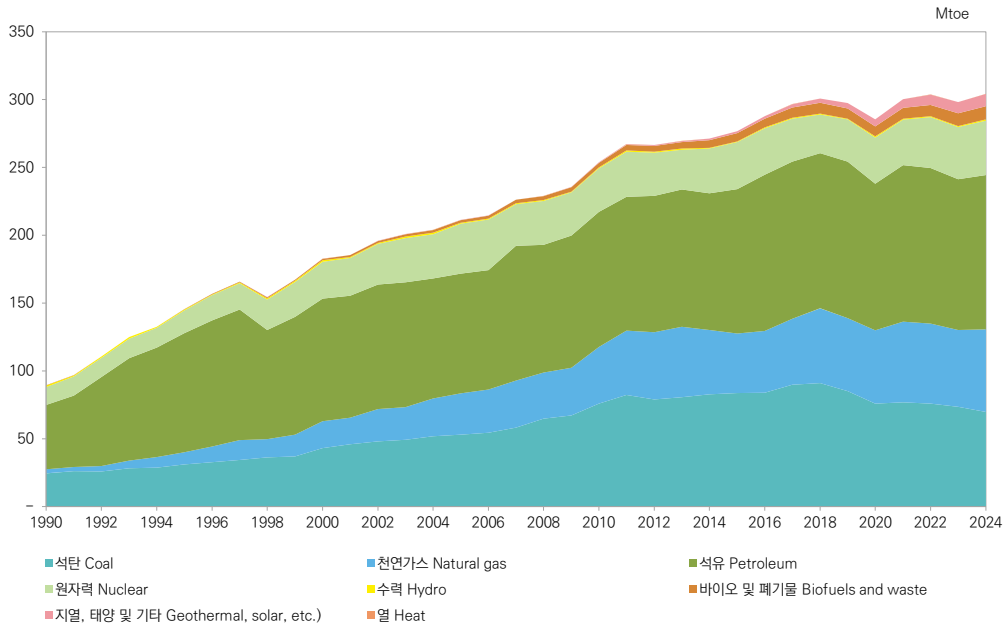


### ● 수입 Import

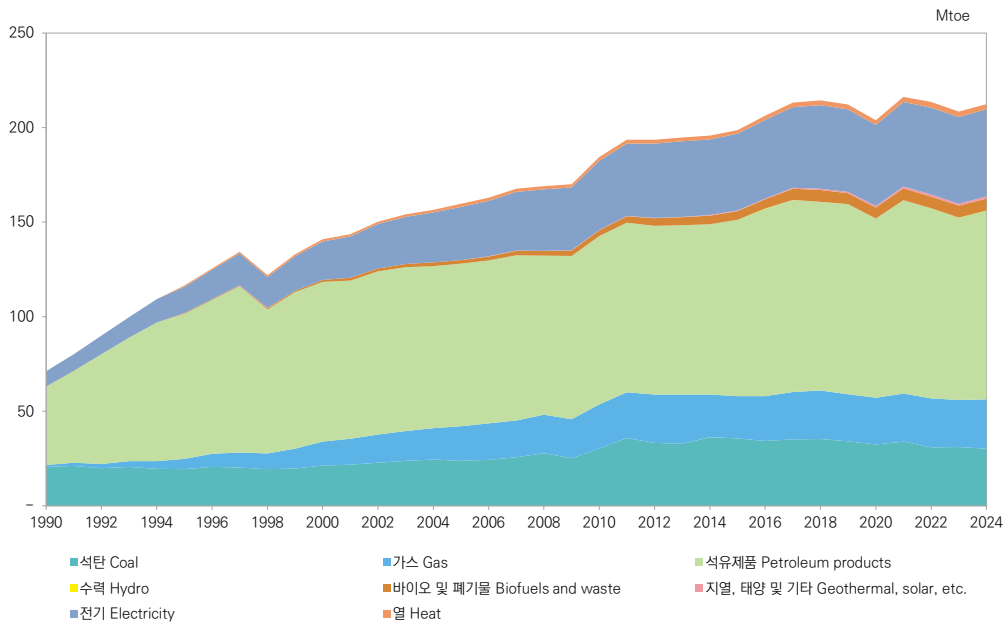


### 3. 에너지 수급 Energy Supply & Demand

#### ● 일차에너지공급 Primary Energy Supply

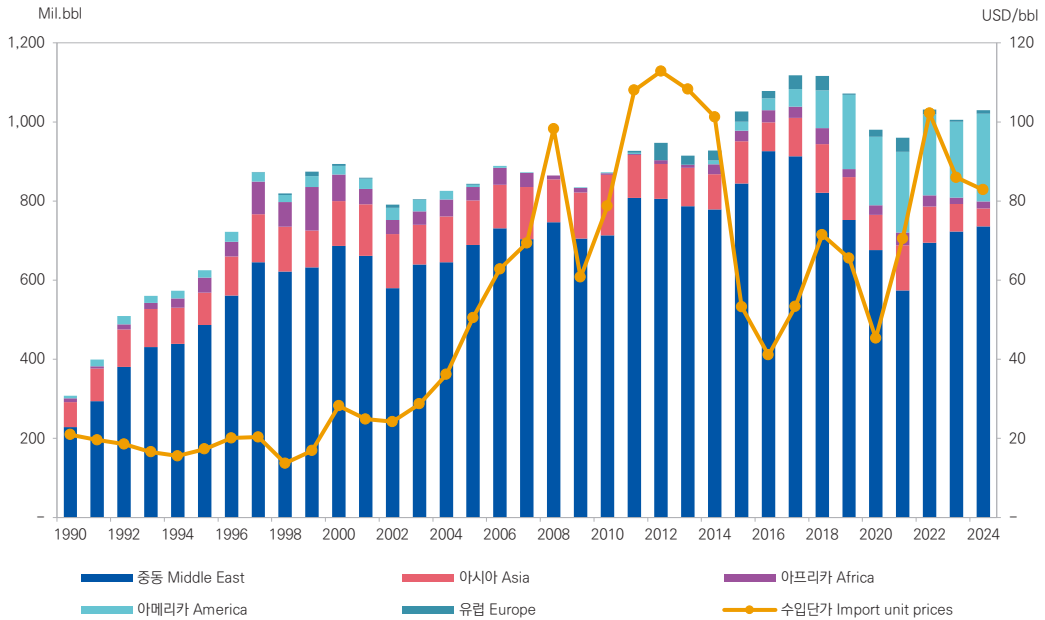


#### ● 최종소비 Final Consumption

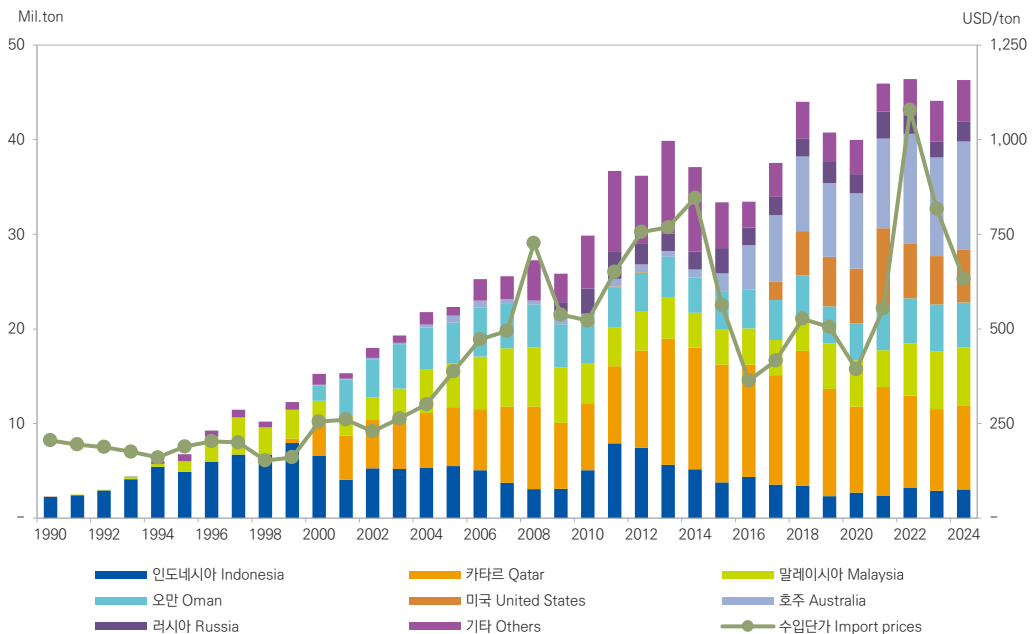


## 4. 에너지 수입 물량 및 단가 Energy Import Volumes and Unit Prices

### ● 원유 수입 물량 및 단가 Crude Oil Import Volumes and Unit Prices

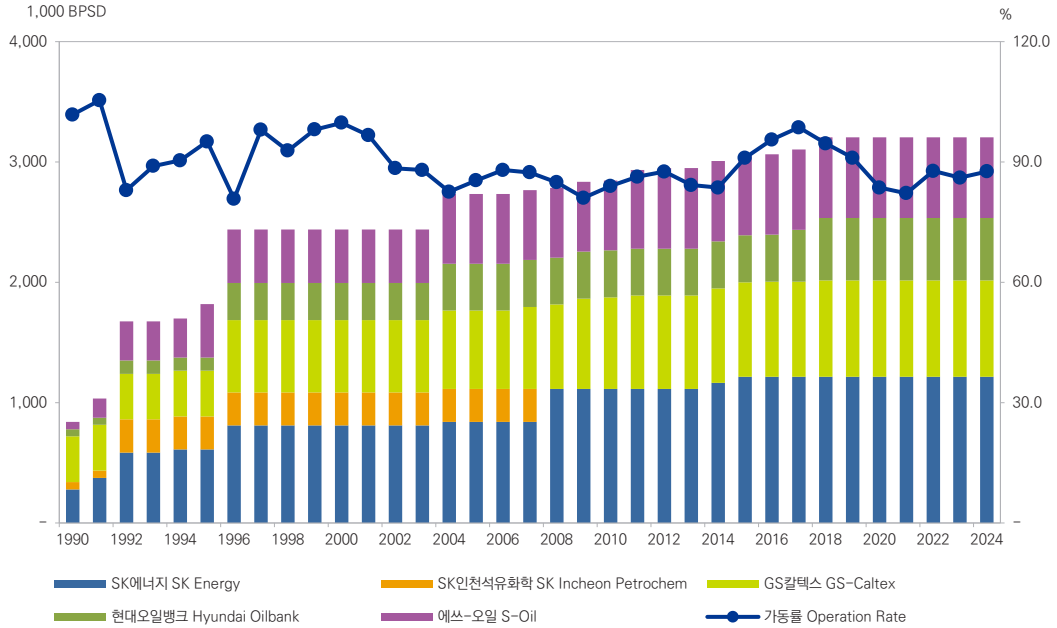


### ● 액화천연가스 수입 물량 및 단가 LNG Import Volumes and Unit Prices

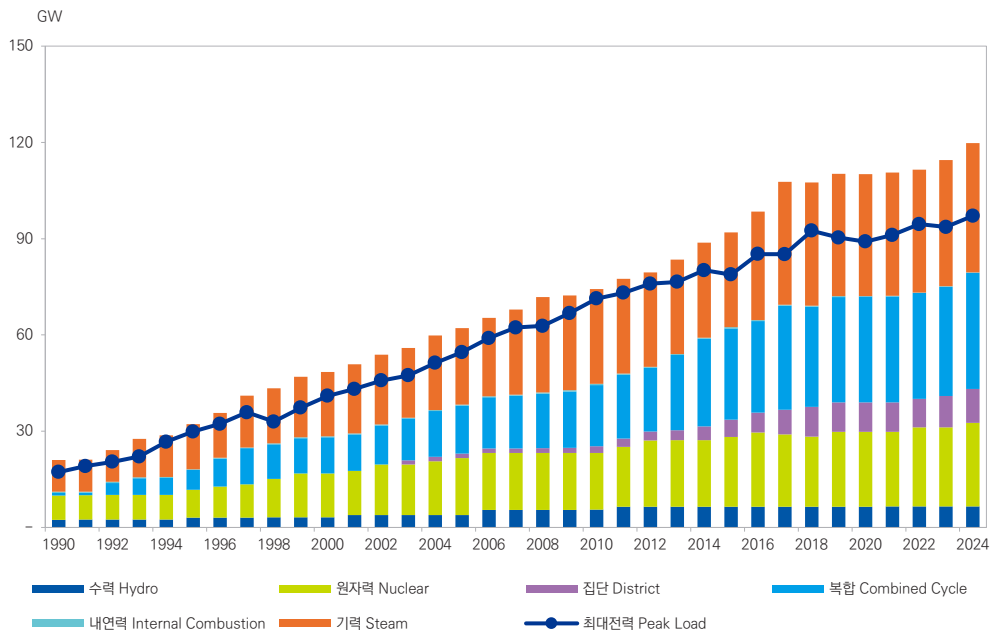


## 5. 에너지설비 Energy Facilities

### 정제 능력 Refining Capacities



### 발전설비 Generating Facilities



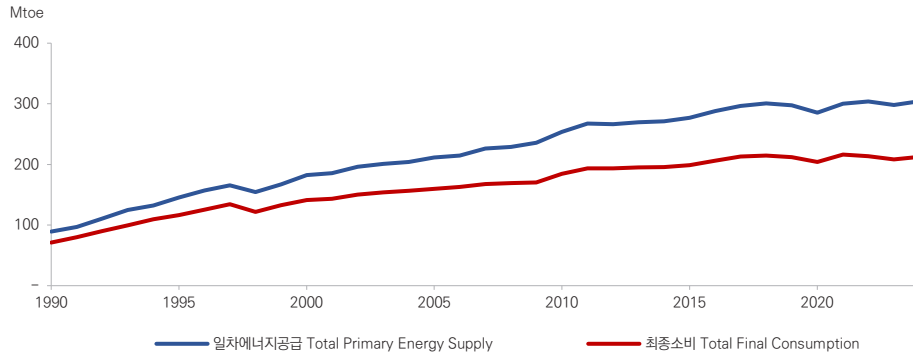






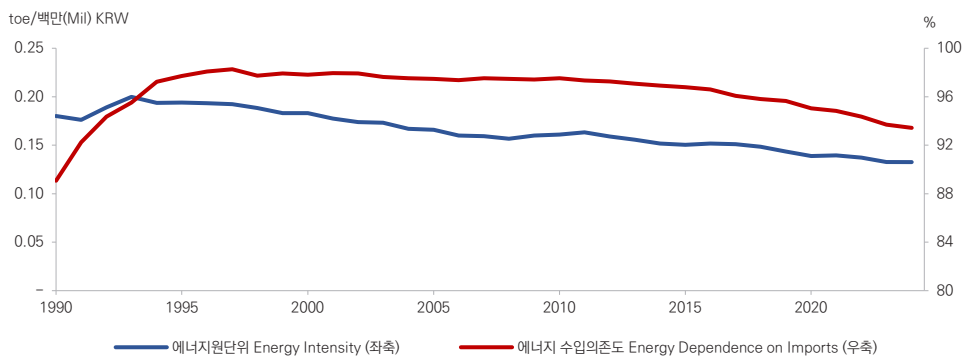
## ● 일차에너지공급, 최종소비 Total Primary Energy Supply, Total Final Consumption

〈1990~2024p〉



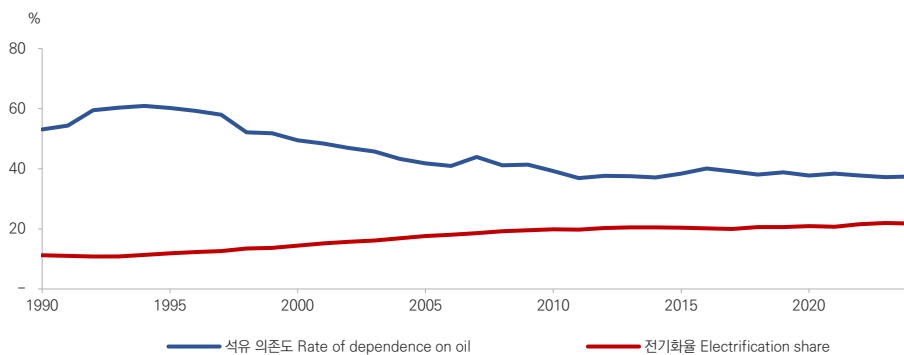
## ● 에너지원단위, 에너지 수입의존도 Energy Intensity, Energy Dependence on Imports

〈1990~2024p〉



## ● 석유 의존도, 전기화율 Rate of Dependence on Oil, Electrification Share

〈1990~2024p〉



## 1. 주요 에너지지표

	국내생산 Production	수입 Imports	수출 Exports	일차에너지공급 Total Primary Energy Supply	일차에너지소비 Total Primary Energy Consumption	전환공정 <sup>1</sup> Transformation <sup>1</sup>	최종소비 Total Final Consumption	순수입 <sup>2</sup> Net imports <sup>2</sup>
	1,000 toe							
1990	22,160	74,609	4,002	89,280	89,376	-16,272	71,150	70,607
1991	21,749	91,662	10,422	96,801	96,734	-14,464	80,179	81,240
1992	20,314	111,664	13,882	110,524	109,597	-17,341	89,967	97,782
1993	19,865	128,363	15,480	125,000	123,702	-21,152	99,777	112,882
1994	18,624	138,940	14,043	132,512	132,862	-20,289	109,322	124,897
1995	20,362	152,793	17,783	145,618	144,202	-23,958	116,507	135,010
1996	21,704	171,492	22,971	156,834	158,425	-28,915	125,593	148,522
1997	22,524	190,741	33,463	165,755	168,455	-25,558	134,386	157,279
1998	26,197	181,585	42,283	154,393	156,226	-27,053	121,926	139,302
1999	29,494	194,268	42,594	167,342	170,927	-29,932	132,921	151,674
2000	31,255	210,191	43,891	182,689	183,063	-34,166	141,000	166,300
2001	31,754	208,283	42,277	185,394	187,130	-35,767	143,622	166,006
2002	33,647	207,800	34,078	195,940	197,462	-39,792	150,319	173,722
2003	36,943	210,798	30,083	200,902	203,687	-42,089	154,107	180,715
2004	37,480	217,781	33,865	203,941	207,560	-42,943	156,559	183,916
2005	41,419	217,485	38,088	211,297	213,670	-45,788	159,700	179,396
2006	42,065	230,063	41,822	214,584	218,408	-47,382	162,883	188,241
2007	35,823	243,214	41,889	226,297	229,084	-53,090	167,623	201,326
2008	37,619	253,725	47,926	228,977	233,273	-55,243	169,049	205,799
2009	37,603	254,895	47,315	235,726	236,876	-57,987	170,068	207,580
2010	38,097	280,300	48,993	253,862	257,493	-64,958	184,372	231,307
2011	40,336	300,430	58,513	267,206	270,645	-67,650	193,576	241,917
2012	38,966	302,116	62,166	266,634	271,924	-68,638	193,597	239,950
2013	37,065	306,375	60,318	269,532	273,047	-69,322	194,844	246,057
2014	41,424	307,855	62,804	271,253	274,245	-67,956	195,773	245,051
2015	43,798	316,749	66,736	276,794	279,345	-70,650	198,704	250,013
2016	44,106	327,086	68,509	287,905	287,808	-71,214	206,217	258,577
2017	43,378	341,836	71,507	296,713	296,194	-72,861	213,147	270,329
2018	41,133	354,195	74,876	300,791	304,474	-78,392	214,407	279,318
2019	44,078	338,899	72,524	297,568	301,517	-77,349	212,133	266,375
2020	48,325	313,516	65,398	285,551	291,484	-75,496	203,932	248,119
2021	49,234	326,860	62,374	300,365	308,313	-80,196	216,245	264,486
2022	54,621	336,443	69,338	303,807	309,897	-84,687	213,481	267,105
2023	57,180	326,760	68,758	298,138	305,447	-85,083	208,506	258,002
2024 <sup>3</sup>	60,118	333,730	71,233	304,253	310,555	-85,492	212,348	262,497

1. 전환공정은 이차 연료를 생산하는데 투입된 연료들과 전기 및 판매용 열을 생산하기 위해 사용된 연료의 양(음의 값)과 생산된 에너지상품(양의 값)의 합계

2. 수입-수출

3. 일차에너지공급량(TPES) 중 수입에너지가 차지하는 비중. 괄호는 원자력을 수입에너지에서 제외

4. 연쇄가중법에 의해 추계된 실질 GDP(2020년 기준년), 한국은행

5. 국가데이터처, 「장래인구추계」

## 1. Major Energy Indicators

에너지 수입의존도 <sup>3</sup> Rate of dependence on imports <sup>3</sup>	석유 의존도 Rate of dependence on oil	전기화율 Electrification share	TPES/GDP <sup>4</sup>	TFC/GDP <sup>4</sup>	TPES/인구 <sup>5</sup> TPES/population <sup>5</sup>	TFC/인구 <sup>5</sup> TFC/population <sup>5</sup>	
%			toe/Mil.KRW		toe/capita		
89.1 (74.3)	53.1	11.2	0.180	0.144	2.08	1.66	1990
92.2 (77.7)	54.4	11.0	0.176	0.146	2.24	1.85	1991
94.3 (81.6)	59.5	10.8	0.189	0.154	2.53	2.06	1992
95.5 (83.9)	60.3	10.8	0.200	0.160	2.83	2.26	1993
97.2 (86.2)	60.9	11.3	0.194	0.160	2.97	2.45	1994
97.7 (86.2)	60.3	11.9	0.194	0.155	3.23	2.58	1995
98.1 (86.3)	59.3	12.3	0.193	0.155	3.45	2.76	1996
98.3 (86.6)	58.1	12.6	0.192	0.156	3.61	2.92	1997
97.7 (83.2)	52.1	13.4	0.189	0.149	3.34	2.63	1998
97.9 (82.5)	51.9	13.6	0.183	0.145	3.59	2.85	1999
97.8 (82.9)	49.5	14.4	0.183	0.141	3.89	3.00	2000
97.9 (82.8)	48.4	15.2	0.177	0.137	3.91	3.03	2001
97.9 (82.7)	47.0	15.7	0.174	0.133	4.11	3.16	2002
97.6 (81.5)	45.8	16.1	0.173	0.133	4.19	3.22	2003
97.5 (81.5)	43.3	16.8	0.167	0.128	4.24	3.26	2004
97.5 (80.1)	41.8	17.6	0.166	0.125	4.39	3.31	2005
97.4 (80.0)	41.0	18.1	0.160	0.121	4.43	3.36	2006
97.5 (83.9)	43.9	18.6	0.159	0.118	4.65	3.44	2007
97.5 (83.3)	41.1	19.2	0.157	0.116	4.67	3.45	2008
97.4 (83.9)	41.4	19.5	0.160	0.115	4.78	3.45	2009
97.5 (84.9)	39.2	19.8	0.161	0.117	5.12	3.72	2010
97.3 (84.9)	36.9	19.8	0.163	0.118	5.35	3.88	2011
97.3 (85.4)	37.7	20.3	0.159	0.115	5.31	3.86	2012
97.1 (86.2)	37.6	20.5	0.156	0.112	5.34	3.86	2013
96.9 (84.8)	37.2	20.5	0.152	0.109	5.35	3.86	2014
96.8 (84.2)	38.4	20.4	0.150	0.108	5.43	3.90	2015
96.6 (84.7)	40.1	20.2	0.152	0.109	5.62	4.03	2016
96.1 (85.4)	39.1	20.0	0.151	0.109	5.78	4.15	2017
95.8 (86.3)	38.0	20.6	0.148	0.106	5.83	4.16	2018
95.7 (85.2)	38.8	20.6	0.144	0.102	5.75	4.10	2019
95.0 (83.1)	37.8	21.0	0.139	0.099	5.51	3.93	2020
94.8 (83.6)	38.4	20.7	0.139	0.100	5.80	4.18	2021
94.4 (82.0)	37.7	21.5	0.137	0.097	5.88	4.13	2022
93.7 (80.8)	37.2	22.0	0.133	0.093	5.77	4.03	2023
93.4 (80.2)	37.4	21.7	0.133	0.093	5.88	4.10	2024 <sup>P</sup>

1. The negative number is the used fuel for the electricity generation and heat production for sale. And the positive number is the production of energy commodities

2. Imports-Exports

3. The proportion of imported energy in the TPES. Figures in parentheses include nuclear generation from import.

4. GDP is based on chained prices.(based on 2020), Bank of Korea

5. Ministry of Data and Statistics, 「National population projection for Korea」

## 2. 에너지 생산 및 수출입

단위: 천 toe

	생산 Production	석탄	천연가스	원유 및 정제원료	바이오 및 폐기물	지열, 태양 및 기타	원자력	수력	열
		Coal	Natural gas	Crude oil & Refinery feedstocks	Biofuels and waste	Geothermal, solar, etc.	Nuclear	Hydro	Heat
1990	22,160	7,748	-	-	6	10	13,222	1,171	3
1991	21,749	6,776	-	-	9	12	14,078	872	3
1992	20,314	5,386	-	-	5	13	14,133	774	2
1993	19,865	4,249	-	-	7	15	14,535	1,057	3
1994	18,624	3,347	-	-	7	18	14,663	587	3
1995	20,362	2,574	-	-	315	23	16,757	690	3
1996	21,704	2,228	-	-	353	33	18,481	606	3
1997	22,524	2,030	-	-	470	47	19,271	703	2
1998	26,197	1,962	-	-	688	45	22,422	1,070	9
1999	29,494	1,889	-	-	748	45	25,766	1,040	7
2000	31,255	1,868	-	-	1,088	47	27,241	1,002	10
2001	31,754	1,718	-	-	1,366	42	28,033	582	13
2002	33,647	1,493	-	-	1,516	40	29,776	808	14
2003	36,943	1,484	-	-	1,754	41	32,418	1,226	20
2004	37,480	1,436	212	-	1,999	52	32,679	1,082	19
2005	41,419	1,274	518	55	1,873	73	36,695	919	12
2006	42,065	1,271	461	45	2,110	107	37,187	867	17
2007	35,823	1,342	353	35	2,431	137	30,731	781	14
2008	37,619	1,289	236	23	2,719	199	32,456	660	38
2009	37,603	1,171	498	47	3,109	343	31,771	616	49
2010	38,097	969	539	56	3,274	499	31,948	797	16
2011	40,336	969	451	42	3,882	602	33,265	989	135
2012	38,966	942	436	39	4,247	622	31,719	838	124
2013	37,065	817	463	42	4,629	811	29,283	906	113
2014	41,424	787	322	29	5,585	1,051	33,002	581	68
2015	43,798	794	188	17	6,011	1,444	34,765	454	125
2016	44,106	777	154	15	6,444	1,814	34,181	603	117
2017	43,378	702	341	32	7,534	2,426	31,615	601	127
2018	41,133	569	305	28	7,984	3,024	28,437	719	68
2019	44,078	513	259	23	7,604	3,940	31,079	594	66
2020	48,325	482	185	15	7,478	5,146	34,119	826	73
2021	49,234	425	55	5	8,053	6,320	33,657	651	68
2022	54,621	386	-	2	8,251	7,657	37,500	755	69
2023	57,180	304	-	-	9,404	8,200	38,445	792	35
2024 <sup>p</sup>	60,118	256	-	-	9,620	9,050	40,205	916	71

## 2. Energy Production, Imports and Exports

Unit: Thousand toe

수입 Imports					수출 Exports				
	석탄 Coal	천연가스 Natural gas	원유 및 정제원료 Crude oil & Refinery feedstocks	석유제품 Petroleum products		석탄 Coal	원유 및 정제원료 Crude oil & Refinery feedstocks	석유제품 Petroleum products	
74,609	15,832	2,909	42,465	13,403	4,002	5	-	3,997	1990
91,662	19,331	3,243	54,600	14,487	10,422	4	-	10,418	1991
111,664	20,190	3,892	69,996	17,586	13,882	2	112	13,769	1992
128,363	23,567	5,797	77,531	21,468	15,480	0	94	15,386	1993
138,940	25,904	7,795	80,727	24,514	14,043	104	148	13,791	1994
152,793	28,942	8,782	88,810	26,259	17,783	4	31	17,748	1995
171,492	30,616	12,035	101,430	27,411	22,971	1	280	22,690	1996
190,741	32,774	14,912	119,950	23,106	33,463	53	266	33,143	1997
181,585	34,450	13,246	112,392	21,498	42,283	3	48	42,232	1998
194,268	35,229	15,970	120,594	22,474	42,594	1	49	42,544	1999
210,191	41,943	19,811	123,049	25,388	43,891	3	129	43,758	2000
208,283	43,822	19,913	118,891	25,656	42,277	1	134	42,143	2001
207,800	46,058	23,390	109,680	28,672	34,078	1	163	33,914	2002
210,798	47,109	25,101	111,227	27,361	30,083	1	57	30,025	2003
217,781	51,995	28,316	113,564	23,906	33,865	7	17	33,841	2004
217,485	50,266	29,013	116,537	21,669	38,088	12	5	38,071	2005
230,063	52,053	32,832	121,897	23,280	41,822	9	4	41,810	2006
243,214	56,340	33,240	128,166	25,469	41,889	9	79	41,801	2007
253,725	63,723	35,436	127,156		47,926	26	314	47,586	2008
254,895	65,216	33,568	122,816	33,294	47,315	4	415	46,896	2009
280,300	75,340	42,384	128,349	34,226	48,993	8	620	48,365	2010
300,430	82,125	47,690	136,259	34,357	58,513	41	751	57,722	2011
302,116	78,261	47,184	138,986	37,685	62,166	20	460	61,686	2012
306,375	78,923	51,998	134,607	40,847	60,318	40	369	59,909	2013
307,855	81,782	48,388	136,928	40,757	62,804	28	185	62,591	2014
316,749	84,123	43,509	150,983	38,134	66,736	12	446	66,278	2015
327,086	83,621	43,623	158,918	40,923	68,509	1	670	67,839	2016
341,836	89,227	49,023	165,241	38,344	71,507	86	455	70,965	2017
354,195	89,484	57,484	165,588	41,639	74,876	47	764	74,065	2018
338,899	85,586	53,217	157,955	42,140	72,524	12	138	72,374	2019
313,516	74,875	52,217	145,093	41,331	65,398	110	80	65,207	2020
326,860	76,172	59,987	143,343	47,359	62,374	217	323	61,835	2021
336,443	75,794	60,683	156,690	43,276	69,338	19	331	68,987	2022
326,760	72,434	57,705	152,166	44,455	68,758	0	466	68,292	2023
333,730	70,452	60,584	155,296	47,398	71,233	1	475	70,758	2024 <sup>P</sup>

## 3. 에너지 수입액

단위: 백만 달러

	국가총수입 Total Imports (A)	에너지수입 Energy Imports (B)	B/A(%)	석탄 Coal			
					무연탄 Anthracite	유연탄 Bituminous	기타석탄 <sup>1</sup> Others <sup>1</sup>
1990	69,844	8,209	11.8	1,288	52	1,217	19
1991	81,525	9,921	12.2	1,600	66	1,514	20
1992	81,775	14,281	17.5	1,616	42	1,535	39
1993	83,800	14,970	17.9	1,733	40	1,643	50
1994	102,348	15,228	14.9	1,777	33	1,695	48
1995	135,119	18,643	13.8	2,081	35	1,992	54
1996	150,339	24,003	16.0	2,337	46	2,251	40
1997	144,616	26,981	18.7	2,399	38	2,301	60
1998	93,282	18,092	19.4	2,229	36	2,147	46
1999	119,752	22,543	18.8	1,966	46	1,866	53
2000	160,481	37,622	23.4	2,186	72	2,033	80
2001	141,098	33,652	23.9	2,347	118	2,157	72
2002	152,126	31,997	21.0	2,475	148	2,254	72
2003	178,827	37,982	21.2	2,552	177	2,266	109
2004	224,463	49,075	21.9	4,438	233	3,891	314
2005	261,238	66,238	25.4	5,443	429	4,803	211
2006	309,383	84,905	27.4	5,318	407	4,700	211
2007	356,846	94,306	26.4	6,445	447	5,675	323
2008	435,275	139,298	32.0	12,810	991	11,156	663
2009	323,085	90,259	27.9	9,995	672	8,997	326
2010	425,212	119,060	28.0	13,131	1,016	11,425	690
2011	524,413	170,497	32.5	18,477	1,774	16,052	651
2012	519,584	182,287	35.1	16,069	1,361	14,221	488
2013	515,586	176,561	34.2	13,074	1,143	11,624	307
2014	525,515	170,140	32.4	12,114	921	10,723	471
2015	436,499	100,433	23.0	9,961	813	8,675	474
2016	406,193	79,953	19.7	9,310	759	8,168	383
2017	478,478	107,921	22.6	15,179	933	13,481	765
2018	535,202	143,285	26.8	16,703	1,199	14,668	835
2019	503,343	124,844	24.8	14,209	927	13,062	219
2020	467,633	85,455	18.3	9,596	611	8,805	181
2021	615,093	135,935	22.1	14,699	889	13,485	325
2022	731,370	216,409	29.6	28,332	1,661	26,231	441
2023	642,572	171,437	26.7	20,178	1,005	18,893	280
2024	631,767	161,342	25.5	16,488	845	15,423	219

1. 기타석탄에 갈탄, 토탄 포함

자료: 한국무역협회, 한국석유공사

## 3. Import Amount of Energy

Unit: Million USD(CIF)

천연가스 Natural gas	석유 Oil			우라늄 Uranium	
		원유 및 정제원료 Crude oil & refinery feedstocks	석유제품 Petroleum products		
460	6,462	6,462	-	-	1990
485	7,835	7,835	-	0	1991
562	12,104	9,522	2,582	-	1992
781	12,421	9,432	2,989	35	1993
961	12,385	9,233	3,152	105	1994
1,275	15,265	11,266	3,999	22	1995
1,878	19,787	14,924	4,863	0	1996
2,296	22,204	17,879	4,325	82	1997
1,549	14,163	11,302	2,860	152	1998
1,973	18,435	14,943	3,492	170	1999
3,882	31,416	25,414	6,001	138	2000
3,990	27,097	21,620	5,477	218	2001
4,120	25,140	19,449	5,690	262	2002
5,082	30,104	23,394	6,710	243	2003
6,552	37,770	30,100	7,670	315	2004
8,646	51,883	43,088	8,796	265	2005
11,925	67,352	56,065	11,287	311	2006
12,653	74,762	60,609	14,152	446	2007
19,806	106,015	85,184	20,831	667	2008
13,875	65,706	50,880	14,826	684	2009
15,588	89,777	68,897	20,880	564	2010
23,859	127,413	100,335	27,078	748	2011
27,364	138,218	107,070	31,147	635	2012
30,645	131,866	99,490	32,376	976	2013
31,403	125,934	94,512	31,423	688	2014
18,779	70,875	54,909	15,967	817	2015
12,170	57,937	44,540	13,397	536	2016
15,616	76,185	60,075	16,110	941	2017
23,189	102,856	80,521	22,335	538	2018
20,567	89,362	70,478	18,885	707	2019
15,716	59,417	44,793	14,624	725	2020
25,453	95,039	68,771	26,268	744	2021
50,022	137,603	107,255	30,348	451	2022
36,049	114,109	87,734	26,375	1,101	2023
29,272	114,243	86,309	27,935	1,338	2024

1. Includes brown coal and peat in others

Source: Korea International Trade Association, Korea National Oil Corporation

4. 일차에너지공급<sup>1</sup>

단위: 천 toe

	합계 Total	증가율 Growth rate %	석탄 Coal	구성비 Share %	천연가스 Natural gas	구성비 Share %	석유 <sup>2</sup> Oil <sup>2</sup>	구성비 Share %	바이오 및 폐기물 Biofuels and waste	구성비 Share %
1990	89,280	-	24,523	27.5	2,958	3.3	47,387	53.1	6	0.0
1991	96,801	8.4	26,000	26.9	3,159	3.3	52,669	54.4	9	0.0
1992	110,524	14.2	25,880	23.4	3,946	3.6	65,770	59.5	5	0.0
1993	125,000	13.1	28,192	22.6	5,759	4.6	75,433	60.3	7	0.0
1994	132,512	6.0	28,757	21.7	7,717	5.8	80,761	60.9	7	0.0
1995	145,618	9.9	31,173	21.4	8,852	6.1	87,805	60.3	315	0.2
1996	156,834	7.7	32,647	20.8	11,690	7.5	93,022	59.3	353	0.2
1997	165,755	5.7	34,408	20.8	14,606	8.8	96,247	58.1	470	0.3
1998	154,393	-6.9	36,329	23.5	13,347	8.6	80,482	52.1	688	0.4
1999	167,342	8.4	37,011	22.1	15,955	9.5	86,771	51.9	748	0.4
2000	182,689	9.2	43,143	23.6	19,743	10.8	90,415	49.5	1,088	0.6
2001	185,394	1.5	45,838	24.7	19,722	10.6	89,798	48.4	1,366	0.7
2002	195,940	5.7	47,987	24.5	23,797	12.1	92,003	47.0	1,516	0.8
2003	200,902	2.5	49,135	24.5	24,272	12.1	92,036	45.8	1,754	0.9
2004	203,941	1.5	51,886	25.4	27,827	13.6	88,397	43.3	1,999	1.0
2005	211,297	3.6	52,975	25.1	30,367	14.4	88,384	41.8	1,873	0.9
2006	214,584	1.6	54,361	25.3	32,023	14.9	87,915	41.0	2,108	1.0
2007	226,297	5.5	58,149	25.7	34,665	15.3	99,388	43.9	2,433	1.1
2008	228,977	1.2	64,925	28.4	33,792	14.8	94,191	41.1	2,718	1.2
2009	235,726	2.9	67,094	28.5	35,138	14.9	97,613	41.4	3,104	1.3
2010	253,862	7.7	76,008	29.9	41,681	16.4	99,640	39.2	3,274	1.3
2011	267,206	5.3	82,386	30.8	47,318	17.7	98,629	36.9	3,881	1.5
2012	266,634	-0.2	79,059	29.7	49,554	18.6	100,474	37.7	4,245	1.6
2013	269,532	1.1	80,538	29.9	51,943	19.3	101,307	37.6	4,631	1.7
2014	271,253	0.6	82,764	30.5	47,409	17.5	100,793	37.2	5,585	2.1
2015	276,794	2.0	83,650	30.2	43,958	15.9	106,387	38.4	6,011	2.2
2016	287,905	4.0	83,874	29.1	45,524	15.8	115,344	40.1	6,447	2.2
2017	296,713	3.1	89,780	30.3	48,564	16.4	116,068	39.1	7,532	2.5
2018	300,791	1.4	91,017	30.3	55,090	18.3	114,451	38.0	7,985	2.7
2019	297,568	-1.1	85,003	28.6	53,875	18.1	115,409	38.8	7,601	2.6
2020	285,551	-4.0	76,003	26.6	53,915	18.9	107,990	37.8	7,479	2.6
2021	300,365	5.2	76,818	25.6	59,594	19.8	115,205	38.4	8,052	2.7
2022	303,807	1.1	75,803	25.0	59,096	19.5	114,676	37.7	8,252	2.7
2023	298,138	-1.9	73,507	24.7	56,718	19.0	111,036	37.2	9,405	3.2
2024 <sup>p</sup>	304,253	2.1	69,664	22.9	60,871	20.0	113,860	37.4	9,616	3.2

1. 국내생산(+)+수입(+)+수출(-)+국제해운범커링(-)+국제항공범커링(-)+재고변화(±)

2. 원유 및 정제원료, 석유제품



4. Primary Energy Supply<sup>1</sup>

Unit: Thousand toe

지열, 태양 및 기타 Geothermal, solar, etc		원자력 Nuclear		수력 Hydro		열 Heat		
	구성비 Share %		구성비 Share %		구성비 Share %		구성비 Share %	
10	0.0	13,222	14.8	1,171	1.3	3	0.0	1990
12	0.0	14,078	14.5	872	0.9	3	0.0	1991
13	0.0	14,133	12.8	774	0.7	2	0.0	1992
15	0.0	14,535	11.6	1,057	0.8	3	0.0	1993
18	0.0	14,663	11.1	587	0.4	3	0.0	1994
23	0.0	16,757	11.5	690	0.5	3	0.0	1995
33	0.0	18,481	11.8	606	0.4	3	0.0	1996
47	0.0	19,271	11.6	703	0.4	2	0.0	1997
45	0.0	22,422	14.5	1,070	0.7	9	0.0	1998
45	0.0	25,766	15.4	1,040	0.6	7	0.0	1999
47	0.0	27,241	14.9	1,002	0.5	10	0.0	2000
42	0.0	28,033	15.1	582	0.3	13	0.0	2001
40	0.0	29,776	15.2	808	0.4	14	0.0	2002
41	0.0	32,418	16.1	1,226	0.6	20	0.0	2003
52	0.0	32,679	16.0	1,082	0.5	19	0.0	2004
73	0.0	36,695	17.4	919	0.4	12	0.0	2005
107	0.0	37,187	17.3	867	0.4	17	0.0	2006
137	0.1	30,731	13.6	781	0.3	14	0.0	2007
199	0.1	32,456	14.2	660	0.3	38	0.0	2008
343	0.1	31,771	13.5	616	0.3	49	0.0	2009
499	0.2	31,948	12.6	797	0.3	16	0.0	2010
602	0.2	33,265	12.4	989	0.4	135	0.1	2011
622	0.2	31,719	11.9	838	0.3	124	0.0	2012
811	0.3	29,283	10.9	906	0.3	113	0.0	2013
1,051	0.4	33,002	12.2	581	0.2	68	0.0	2014
1,444	0.5	34,765	12.6	454	0.2	125	0.0	2015
1,814	0.6	34,181	11.9	603	0.2	117	0.0	2016
2,426	0.8	31,615	10.7	601	0.2	127	0.0	2017
3,024	1.0	28,437	9.5	719	0.2	68	0.0	2018
3,940	1.3	31,079	10.4	594	0.2	66	0.0	2019
5,146	1.8	34,119	11.9	826	0.3	73	0.0	2020
6,320	2.1	33,657	11.2	651	0.2	68	0.0	2021
7,657	2.5	37,500	12.3	755	0.2	69	0.0	2022
8,200	2.8	38,445	12.9	792	0.3	35	0.0	2023
9,050	3.0	40,205	13.2	916	0.3	71	0.0	2024 <sup>p</sup>

1. Production(+)+Imports(+)+Exports(-)+International Marine Bunkers(-)+International Aviation Bunkers(-)+Stock changes(±)

2. Crude oil, refinery feedstocks and Petroleum products

5. 일차에너지소비<sup>1</sup>

단위: 천 toe

	합계 Total	증가율 Growth rate %	석탄 Coal	구성비 Share %	천연가스 Natural gas	구성비 Share %	석유 <sup>2</sup> Oil <sup>2</sup>	구성비 Share %	바이오 및 폐기물 Biofuels and waste	구성비 Share %
1990	89,376	-	25,217	28.2	3,012	3.4	46,466	52.0	6	0.0
1991	96,734	8.2	25,868	26.7	3,483	3.6	52,007	53.8	9	0.0
1992	109,597	13.3	25,036	22.8	4,525	4.1	64,517	58.9	5	0.0
1993	123,702	12.9	27,465	22.2	5,675	4.6	74,231	60.0	7	0.0
1994	132,862	7.4	28,589	21.5	7,518	5.7	80,512	60.6	7	0.0
1995	144,202	8.5	29,513	20.5	9,073	6.3	86,664	60.1	315	0.2
1996	158,425	9.9	34,257	21.6	11,965	7.6	91,564	57.8	353	0.2
1997	168,455	6.3	36,200	21.5	14,794	8.8	96,192	57.1	470	0.3
1998	156,226	-7.3	37,311	23.9	13,836	8.9	80,343	51.4	688	0.4
1999	170,927	9.4	39,471	23.1	16,848	9.9	86,538	50.6	748	0.4
2000	183,063	7.1	44,248	24.2	18,920	10.3	90,105	49.2	1,088	0.6
2001	187,130	2.2	47,080	25.2	20,781	11.1	89,532	47.8	1,366	0.7
2002	197,462	5.5	50,328	25.5	23,084	11.7	92,033	46.6	1,516	0.8
2003	203,687	3.2	52,325	25.7	24,193	11.9	91,848	45.1	1,754	0.9
2004	207,560	1.9	55,201	26.6	28,322	13.6	88,304	42.5	1,999	1.0
2005	213,670	2.9	56,113	26.3	30,287	14.2	87,792	41.1	1,873	0.9
2006	218,408	2.2	57,992	26.6	32,618	14.9	87,106	39.9	2,108	1.0
2007	229,084	4.9	60,958	26.6	34,657	15.1	98,891	43.2	2,430	1.1
2008	233,273	1.8	67,814	29.1	35,671	15.3	93,445	40.1	2,718	1.2
2009	236,876	1.5	70,423	29.7	33,775	14.3	96,432	40.7	3,103	1.3
2010	257,493	8.7	78,777	30.6	42,843	16.6	99,164	38.5	3,274	1.3
2011	270,645	5.1	86,201	31.9	46,150	17.1	99,311	36.7	3,881	1.4
2012	271,924	0.5	82,677	30.4	50,071	18.4	101,881	37.5	4,245	1.6
2013	273,047	0.4	82,627	30.3	52,428	19.2	101,615	37.2	4,631	1.7
2014	274,245	0.4	85,103	31.0	47,702	17.4	100,846	36.8	5,585	2.0
2015	279,345	1.9	85,612	30.6	43,605	15.6	106,787	38.2	6,011	2.2
2016	287,808	3.0	83,278	28.9	45,506	15.8	115,546	40.1	6,447	2.2
2017	296,194	2.9	88,328	29.8	47,508	16.0	117,864	39.8	7,518	2.5
2018	304,474	2.8	90,962	29.9	55,204	18.1	117,829	38.7	7,985	2.6
2019	301,517	-1.0	85,737	28.4	53,533	17.8	118,473	39.3	7,603	2.5
2020	291,484	-3.3	75,912	26.0	54,144	18.6	113,391	38.9	7,479	2.6
2021	308,313	5.8	78,233	25.4	59,790	19.4	121,261	39.3	8,052	2.6
2022	309,897	0.5	75,134	24.2	59,447	19.2	121,149	39.1	8,252	2.7
2023	305,447	-1.4	72,972	23.9	57,445	18.8	117,975	38.6	9,404	3.1
2024 <sup>3</sup>	310,555	1.7	68,351	22.0	60,748	19.6	121,313	39.1	9,620	3.1

1. -전원공정(±)-전환자체소비(-)-손실(±)+최종소비(+)

2. 천연가스, 도시가스

3. 원유 및 정제원료, 석유제품

5. Primary Energy Consumption<sup>1</sup>

Unit: Thousand toe

지열, 태양 및 기타 Geothermal, solar, etc		원자력 Nuclear		수력 Hydro		열 Heat		
	구성비 Share %		구성비 Share %		구성비 Share %		구성비 Share %	
10	0.0	13,222	14.8	1,171	1.3	3	0.0	1990
12	0.0	14,078	14.6	872	0.9	3	0.0	1991
13	0.0	14,133	12.9	774	0.7	2	0.0	1992
15	0.0	14,535	11.7	1,057	0.9	3	0.0	1993
18	0.0	14,663	11.0	587	0.4	3	0.0	1994
23	0.0	16,757	11.6	690	0.5	3	0.0	1995
33	0.0	18,481	11.7	606	0.4	3	0.0	1996
47	0.0	19,271	11.4	703	0.4	2	0.0	1997
45	0.0	22,422	14.4	1,070	0.7	9	0.0	1998
45	0.0	25,766	15.1	1,040	0.6	7	0.0	1999
47	0.0	27,241	14.9	1,002	0.5	10	0.0	2000
42	0.0	28,033	15.0	582	0.3	13	0.0	2001
40	0.0	29,776	15.1	808	0.4	14	0.0	2002
41	0.0	32,418	15.9	1,226	0.6	20	0.0	2003
52	0.0	32,679	15.7	1,082	0.5	19	0.0	2004
73	0.0	36,695	17.2	919	0.4	12	0.0	2005
107	0.0	37,187	17.0	867	0.4	17	0.0	2006
137	0.1	30,731	13.4	781	0.3	14	0.0	2007
199	0.1	32,456	13.9	660	0.3	38	0.0	2008
343	0.1	31,771	13.4	616	0.3	49	0.0	2009
499	0.2	31,948	12.4	797	0.3	16	0.0	2010
602	0.2	33,265	12.3	989	0.4	135	0.0	2011
622	0.2	31,719	11.7	838	0.3	124	0.0	2012
811	0.3	29,283	10.7	906	0.3	113	0.0	2013
1,051	0.4	33,002	12.0	581	0.2	68	0.0	2014
1,444	0.5	34,765	12.4	454	0.2	125	0.0	2015
1,814	0.6	34,181	11.9	603	0.2	117	0.0	2016
2,426	0.8	31,615	10.7	601	0.2	127	0.0	2017
3,024	1.0	28,437	9.3	719	0.2	68	0.0	2018
3,940	1.3	31,079	10.3	594	0.2	66	0.0	2019
5,146	1.8	34,119	11.7	826	0.3	73	0.0	2020
6,320	2.0	33,657	10.9	651	0.2	68	0.0	2021
7,657	2.5	37,500	12.1	755	0.2	69	0.0	2022
8,200	2.7	38,445	12.6	792	0.3	35	0.0	2023
9,050	2.9	40,205	12.9	916	0.3	71	0.0	2024 <sup>p</sup>

1. -Transformation processes(±)-Transformation own use(-)-Losses(±)+Total final consumption(+)

2. Natural gas, City gas

3. Crude oil, refinery feedstocks and Petroleum products

## 6. 전환부문

단위: 천 toe

	전환과정 <sup>1</sup> Transformation processes <sup>1</sup>					
		석탄 Coal	가스 <sup>2</sup> Gas <sup>2</sup>	원유 및 정제원료 Crude oil & refinery feedstocks	석유제품 Petroleum products	바이오 및 폐기물 Biofuels and waste
1990	-16,272	-4,688	-2,264	-42,930	38,811	-
1991	-14,464	-4,703	-2,340	-54,459	51,814	-
1992	-17,341	-5,084	-2,892	-69,730	64,008	-
1993	-21,152	-6,893	-3,370	-77,318	69,461	-
1994	-20,289	-9,021	-4,438	-79,203	73,104	-
1995	-23,958	-10,091	-4,772	-89,478	81,011	-
1996	-28,915	-13,668	-6,200	-100,960	92,147	-
1997	-25,558	-15,960	-7,233	-119,975	116,259	-
1998	-27,053	-17,997	-5,680	-113,999	114,237	-
1999	-29,932	-19,707	-6,457	-120,291	121,004	-
2000	-34,166	-22,988	-6,167	-122,721	121,412	-
2001	-35,767	-25,257	-6,364	-119,076	117,404	-2
2002	-39,792	-27,562	-7,950	-111,545	109,850	-29
2003	-42,089	-28,580	-8,034	-108,969	107,661	-35
2004	-42,943	-30,807	-10,914	-113,796	115,112	-45
2005	-45,788	-32,287	-11,616	-117,849	120,129	-40
2006	-47,382	-33,728	-13,503	-120,394	123,661	-46
2007	-53,090	-35,263	-15,528	-129,380	122,080	-73
2008	-55,243	-39,949	-15,374	-126,589	121,692	-120
2009	-57,987	-45,277	-13,351	-122,316	116,416	-104
2010	-64,958	-48,520	-19,341	-127,387	120,951	-104
2011	-67,650	-50,469	-21,363	-136,035	130,413	-329
2012	-68,638	-49,409	-23,821	-140,257	131,844	-167
2013	-69,322	-49,808	-26,860	-135,626	127,636	-332
2014	-67,956	-48,841	-23,992	-138,315	131,787	-1,056
2015	-70,650	-50,047	-21,356	-151,389	142,545	-1,501
2016	-71,214	-48,976	-21,867	-159,440	148,098	-1,510
2017	-72,861	-53,157	-22,218	-170,698	158,831	-1,487
2018	-78,392	-55,585	-27,493	-175,087	161,251	-1,588
2019	-77,349	-51,690	-26,226	-173,726	159,768	-1,852
2020	-75,496	-43,524	-26,952	-164,058	149,512	-1,653
2021	-80,196	-44,317	-31,326	-164,777	149,437	-1,811
2022	-84,687	-44,291	-30,620	-176,957	160,111	-2,092
2023	-85,083	-41,977	-29,482	-176,579	158,996	-3,257
2024 <sup>p</sup>	-85,492	-38,104	-31,417	-181,232	163,572	-3,381

1. 전환과정은 이차 연료를 생산하는데 투입된 연료들과 전기 및 판매용 열을 생산하기 위해 사용한 연료의 양은 음의 값으로, 생산된 에너지 상품은 양의 값으로 기입

2. 천연가스, 도시가스

3. 전환자체소비는 에너지 전환 공정 투입량이 아닌 에너지 산업의 사업활동을 영위하기 위해 사용한 에너지를 의미함

4. 에너지 상품을 생산지에서 소비지로 유통하는 과정에서 발생한 손실을 의미

## 6. Transformation Processes, Transformation Own Use and Losses

Unit: Thousand toe

지열, 태양 및 기타 Geothermal, solar, etc.	원자력 Nuclear	수력 Hydro	전기 Electricity	전환자체소비 <sup>3</sup> Transformation own use <sup>3</sup>		손실 <sup>4</sup> Losses <sup>4</sup>	
				열 Heat			
-	-13,222	-1,171	9,116	76	-1,392	-563	1990
-	-14,078	-872	10,068	107	-1,448	-643	1991
-	-14,133	-774	11,112	151	-1,527	-761	1992
-	-14,535	-1,057	12,270	290	-1,833	-941	1993
-	-14,663	-587	14,040	480	-2,012	-1,239	1994
-	-16,757	-690	15,648	1,172	-2,389	-1,348	1995
-	-18,481	-606	17,435	1,418	-2,372	-1,544	1996
-	-19,271	-703	19,784	1,542	-6,233	-2,278	1997
-0	-22,422	-1,070	18,362	1,515	-5,751	-1,497	1998
-1	-25,766	-1,040	20,420	1,905	-6,198	-1,876	1999
-2	-27,241	-1,002	22,776	1,768	-6,260	-1,638	2000
-3	-28,033	-582	24,377	1,770	-6,133	-1,607	2001
-4	-29,776	-808	26,183	1,849	-5,715	-1,636	2002
-6	-32,418	-1,221	27,566	1,947	-5,883	-1,608	2003
-10	-32,679	-1,078	29,298	1,976	-6,412	-1,646	2004
-31	-36,695	-918	31,233	2,287	-6,349	-1,833	2005
-59	-37,187	-867	32,637	2,104	-6,338	-1,805	2006
-83	-30,731	-781	34,553	2,118	-6,431	-1,939	2007
-136	-32,456	-660	36,112	2,237	-6,942	-2,039	2008
-268	-31,771	-605	37,052	2,239	-6,773	-2,048	2009
-406	-31,948	-792	40,587	2,001	-6,597	-1,566	2010
-486	-33,265	-988	42,462	2,411	-7,291	-2,129	2011
-476	-31,719	-837	43,517	2,688	-7,411	-2,279	2012
-621	-29,283	-905	44,131	2,346	-7,057	-1,824	2013
-795	-33,002	-581	44,462	2,376	-8,507	-2,009	2014
-1,122	-34,765	-453	45,113	2,325	-8,084	-1,908	2015
-1,408	-34,181	-601	46,164	2,507	-8,347	-2,030	2016
-1,893	-31,615	-598	47,257	2,717	-8,051	-2,134	2017
-2,381	-28,437	-716	48,752	2,891	-9,709	-1,966	2018
-3,183	-31,079	-594	48,138	3,095	-9,939	-2,096	2019
-4,304	-34,119	-826	47,219	3,210	-9,876	-2,180	2020
-5,420	-33,657	-651	49,304	3,022	-10,009	-1,863	2021
-6,551	-37,500	-754	50,813	3,156	-9,801	-1,929	2022
-7,052	-38,445	-792	50,261	3,243	-10,087	-1,771	2023
-7,870	-40,205	-916	50,831	3,229	-10,474	-2,242	2024 <sup>p</sup>

1. The negative number is the used fuel for the electricity generation and heat production for sale. And the positive number is the production of energy commodities

2. Natural gas, City gas

3. It means that the fuel for the operation of energy production facilities, not for input for the transformation process

4. It is from the distribution process

## 7. 원별 최종소비

## 7. Total Final Consumption by Source

단위: 천 toe

Unit: Thousand toe

	합계 Total	석탄 Coal	가스 <sup>1</sup> Gas <sup>1</sup>	석유제품 Petroleum products	수력 Hydro	바이오 및 폐기물 Biofuels and waste	지열, 태양 및 기타 Geothermal, solar, etc.	전기 Electricity	열 Heat
1990	71,150	20,529	1,016	41,591	-	6	10	7,997	-
1991	80,179	21,164	1,546	48,613	-	9	12	8,835	-
1992	89,967	19,952	2,225	58,021	-	5	13	9,751	-
1993	99,777	20,572	3,020	65,356	-	7	15	10,806	-
1994	109,322	19,569	4,045	73,286	-	7	18	12,398	-
1995	116,507	19,422	5,464	76,814	-	315	23	13,832	637
1996	125,593	20,589	6,929	81,456	-	353	33	15,425	809
1997	134,386	20,240	8,033	87,717	-	470	47	16,953	928
1998	121,926	19,315	8,370	76,238	-	688	45	16,386	884
1999	132,921	19,764	10,458	82,739	-	748	43	18,136	1,033
2000	141,000	21,260	12,717	84,409	-	1,088	45	20,273	1,208
2001	143,622	21,823	13,600	83,759	-	1,364	39	21,822	1,217
2002	150,319	22,766	14,928	86,294	-	1,487	37	23,584	1,224
2003	154,107	23,745	15,807	86,604	4	1,720	36	24,796	1,395
2004	156,559	24,394	16,677	85,685	5	1,954	42	26,353	1,449
2005	159,700	23,826	18,304	85,986	0	1,818	42	28,072	1,652
2006	162,883	24,264	19,281	86,255	0	2,059	48	29,427	1,549
2007	167,623	25,695	19,437	87,399	0	2,354	53	31,108	1,576
2008	169,049	27,864	20,345	84,044	0	2,596	63	32,467	1,669
2009	170,068	25,145	20,720	86,249	11	2,919	75	33,235	1,715
2010	184,372	30,256	23,321	88,981	5	3,168	93	36,595	1,953
2011	193,576	35,732	24,287	89,678	0	3,483	117	38,325	1,954
2012	193,597	33,267	25,524	89,316	0	3,994	146	39,264	2,085
2013	194,844	32,819	26,013	89,530	1	4,299	190	39,943	2,049
2014	195,773	36,262	22,506	90,177	1	4,529	256	40,103	1,938
2015	198,704	35,565	22,437	93,333	1	4,510	322	40,630	1,905
2016	206,217	34,302	23,710	99,092	3	4,937	406	41,692	2,075
2017	213,147	35,171	24,951	101,576	2	6,031	534	42,582	2,300
2018	214,407	35,377	25,579	99,734	3	6,397	643	44,139	2,535
2019	212,133	34,046	25,021	100,457	1	5,751	757	43,628	2,471
2020	203,932	32,387	24,710	94,841	0	5,826	842	42,733	2,592
2021	216,245	33,915	25,478	102,260	1	6,241	900	44,748	2,701
2022	213,481	30,842	25,957	100,520	1	6,159	1,106	45,950	2,946
2023	208,506	30,995	24,928	96,585	0	6,148	1,148	45,813	2,889
2024 <sup>p</sup>	212,348	30,247	26,003	99,892	0	6,239	1,180	46,146	2,640

1. 천연가스, 도시가스

1. Natural gas, City gas

## 8. 부문별 최종소비

## 8. Total Final Consumption by Sector

단위: 천 toe

Unit: Thousand toe

	합계 Total	산업 Industry	수송 Transport	가정 Residential	상업·공공 Commercial & Public
1990	71,150	36,799	12,140	11,262	10,948
1991	80,179	43,113	13,703	10,300	13,063
1992	89,967	50,077	15,514	9,868	14,509
1993	99,777	57,473	19,543	9,615	13,146
1994	109,322	61,691	20,351	9,235	18,044
1995	116,507	62,275	22,920	10,712	20,600
1996	125,593	67,031	24,429	11,713	22,420
1997	134,386	72,548	26,202	12,075	23,560
1998	121,926	71,674	20,481	10,962	18,809
1999	132,921	76,081	22,373	13,837	20,630
2000	141,000	81,006	25,007	16,284	18,703
2001	143,622	81,707	26,225	17,020	18,670
2002	150,319	85,105	28,007	17,791	19,416
2003	154,107	86,781	29,001	17,877	20,448
2004	156,559	89,006	29,178	18,063	20,312
2005	159,700	90,070	29,565	20,117	19,948
2006	162,883	92,597	30,928	19,612	19,745
2007	167,623	97,377	30,496	18,872	20,879
2008	169,049	98,690	30,007	19,347	21,004
2009	170,068	99,034	30,389	19,349	21,297
2010	184,372	109,779	31,009	20,733	22,851
2011	193,576	119,520	31,016	20,490	22,550
2012	193,597	118,731	31,502	20,401	22,963
2013	194,844	120,198	32,017	20,166	22,464
2014	195,773	122,769	32,406	18,876	21,722
2015	198,704	122,520	34,509	18,939	22,735
2016	206,217	126,284	36,029	20,150	23,754
2017	213,147	131,574	36,260	20,927	24,386
2018	214,407	131,130	36,227	22,122	24,929
2019	212,133	129,609	37,193	21,560	23,770
2020	203,932	124,199	34,745	22,356	22,632
2021	216,245	133,541	36,636	22,940	23,128
2022	213,481	129,554	36,298	23,575	24,054
2023	208,506	126,463	35,334	22,334	24,375
2024 <sup>P</sup>	212,348	130,720	34,970	22,057	24,600

## 8-1. 산업부문 에너지소비

단위: 천 toe

	합계 Total	에너지원별 By source						
		석탄 Coal	가스 <sup>1</sup> Gas <sup>1</sup>	석유제품 Petroleum products	바이오 및 폐기물 Biofuels and waste	지열, 태양 및 기타 Geothermal, solar, etc.	전기 Electricity	열 Heat
1990	36,799	11,943	239	19,641	-	-	4,975	-
1991	43,113	14,372	319	22,958	-	-	5,464	-
1992	50,077	14,947	386	28,841	-	-	5,904	-
1993	57,473	17,101	478	33,492	-	-	6,402	-
1994	61,691	17,514	617	36,358	-	-	7,203	-
1995	62,275	18,091	875	35,192	33	-	8,085	-
1996	67,031	19,721	1,159	37,190	13	-	8,949	-
1997	72,548	19,626	1,495	41,643	33	-	9,752	-
1998	71,674	18,829	1,813	41,679	246	-	9,107	-
1999	76,081	19,323	2,533	43,862	256	-	10,107	-
2000	81,006	20,789	3,516	45,030	624	0	11,047	-
2001	81,707	21,500	4,181	44,081	611	0	11,335	-
2002	85,105	22,446	4,607	45,449	542	0	12,060	-
2003	86,781	23,430	4,773	45,465	633	0	12,480	-
2004	89,006	23,929	5,148	46,042	757	1	13,130	-
2005	90,070	23,151	5,287	46,612	1,189	1	13,830	-
2006	92,597	23,484	6,165	47,288	1,201	1	14,458	-
2007	97,377	24,951	6,063	49,601	1,334	2	15,426	-
2008	98,690	27,045	6,647	47,434	1,474	1	16,089	-
2009	99,034	24,438	6,801	49,849	1,628	2	16,316	-
2010	109,779	29,571	8,289	51,920	1,545	5	18,449	-
2011	119,520	35,042	9,383	53,194	1,874	9	20,018	-
2012	118,731	32,607	10,503	52,983	2,061	15	20,562	-
2013	120,198	32,125	11,101	53,151	2,605	21	21,194	-
2014	122,769	35,668	8,702	53,631	2,959	21	21,788	-
2015	122,520	35,026	8,671	53,966	2,947	31	21,880	-
2016	126,284	33,775	9,239	57,970	3,102	32	22,165	-
2017	131,574	34,710	9,783	60,217	4,121	34	22,710	-
2018	131,130	34,990	9,628	58,942	4,252	29	23,289	0
2019	129,609	33,740	9,619	59,336	3,945	44	22,925	0
2020	124,199	32,147	9,423	56,690	3,981	48	21,908	0
2021	133,541	33,704	9,952	62,312	4,337	55	23,182	-
2022	129,554	30,643	9,904	60,966	4,405	65	23,570	-
2023	126,463	30,812	10,022	58,334	4,133	75	23,086	-
2024 <sup>p</sup>	130,720	30,086	11,487	62,236	4,133	75	22,704	-

1. 천연가스, 도시가스



## 8-1. Industry

Unit: Thousand toe

업종별 By business				
농림어업 Agriculture/Forestry/Fishing	광업(석탄광업제외) Mining and Quarrying	제조업 Manufacturing	건설업 Construction	
2,212	238	32,968	1,382	1990
2,200	207	39,049	1,656	1991
2,426	194	45,385	2,072	1992
3,053	161	52,170	2,088	1993
3,020	161	56,560	1,950	1994
3,251	168	56,903	1,953	1995
3,645	162	61,079	2,145	1996
4,019	145	65,983	2,401	1997
3,621	129	65,982	1,942	1998
3,906	124	70,023	2,028	1999
4,138	143	74,581	2,145	2000
4,599	153	74,718	2,238	2001
4,550	163	78,179	2,214	2002
4,005	181	80,325	2,270	2003
3,699	175	82,641	2,492	2004
3,647	187	83,874	2,363	2005
3,549	211	86,165	2,672	2006
3,501	207	91,095	2,575	2007
3,165	196	92,934	2,396	2008
3,290	197	92,741	2,806	2009
3,454	240	103,432	2,654	2010
3,349	261	113,354	2,556	2011
3,445	228	112,657	2,401	2012
3,550	228	113,961	2,458	2013
3,053	208	117,215	2,293	2014
2,994	207	116,795	2,524	2015
2,959	212	120,356	2,756	2016
3,433	205	125,288	2,648	2017
3,449	182	125,020	2,478	2018
3,065	184	123,894	2,467	2019
3,218	201	118,423	2,356	2020
3,144	253	127,926	2,218	2021
3,141	261	124,140	2,012	2022
3,100	233	121,061	2,070	2023
3,118	193	125,357	2,052	2024 <sup>P</sup>

1. Natural gas, City gas

## 8-2. 수송부문 에너지소비

단위: 천 toe

	합계 Total	에너지원별 By source			
		도시가스 City gas	석유제품 Petroleum products	바이오 및 폐기물 <sup>1</sup> Biofuels and waste <sup>1</sup>	전기 Electricity
1990	12,140	-	12,053	-	87
1991	13,703	-	13,609	-	94
1992	15,514	-	15,413	-	101
1993	19,543	-	19,435	-	108
1994	20,351	-	20,227	-	124
1995	22,920	-	22,765	-	155
1996	24,429	-	24,284	-	145
1997	26,202	-	26,051	-	151
1998	20,481	-	20,345	-	136
1999	22,373	-	22,225	-	149
2000	25,007	-	24,831	-	175
2001	26,225	7	26,024	-	194
2002	28,007	80	27,733	-	195
2003	29,001	146	28,655	-	200
2004	29,178	237	28,728	-	213
2005	29,565	339	29,002	-	224
2006	30,928	475	30,192	43	218
2007	30,496	615	29,577	95	209
2008	30,007	777	28,857	177	196
2009	30,389	960	28,981	261	187
2010	31,009	1,112	29,352	357	188
2011	31,016	1,174	29,302	347	193
2012	31,502	1,246	29,705	357	194
2013	32,017	1,302	30,154	375	186
2014	32,406	1,306	30,534	394	172
2015	34,509	1,281	32,596	441	191
2016	36,029	1,270	34,005	523	231
2017	36,260	1,253	34,196	564	246
2018	36,227	1,238	34,038	686	265
2019	37,193	1,216	35,021	685	271
2020	34,745	1,099	32,666	695	285
2021	36,636	1,060	34,554	704	318
2022	36,298	1,025	34,238	682	353
2023	35,334	988	33,226	696	424
2024 <sup>o</sup>	34,970	933	32,781	764	492

1. 바이오디젤

## 8-2. Transport

Unit: Thousand toe

모드별 By mode				
철도 Rail	도로 Road	해운 Navigation	항공 Aviation	
392	11,201	479	68	1990
404	12,940	349	11	1991
416	14,702	385	10	1992
449	17,643	1,443	9	1993
447	18,669	1,226	9	1994
481	21,218	1,215	6	1995
467	23,287	664	11	1996
473	24,849	868	12	1997
452	19,269	744	15	1998
478	21,174	708	13	1999
513	23,549	930	15	2000
535	24,836	839	15	2001
536	26,481	976	15	2002
549	27,418	1,015	19	2003
511	27,678	969	20	2004
505	28,106	933	21	2005
474	28,534	903	1,017	2006
441	29,099	882	75	2007
424	28,353	913	317	2008
388	28,774	837	389	2009
383	29,462	772	392	2010
371	29,335	770	540	2011
370	29,523	732	876	2012
342	30,446	483	745	2013
302	30,647	346	1,111	2014
309	32,319	569	1,313	2015
335	33,924	487	1,283	2016
343	34,101	453	1,363	2017
356	34,133	345	1,393	2018
346	35,074	409	1,365	2019
333	33,451	336	625	2020
332	34,199	428	1,676	2021
298	33,864	464	1,671	2022
295	33,681	460	898	2023
291	33,837	354	488	2024 <sup>p</sup>

1. Biodiesel

## 8-3. 건물부문 에너지소비

단위: 천 toe

	합계 Total	에너지원별 By source				
		석탄 Coal	도시가스 City gas	석유제품 Petroleum products	수력 Hydro	바이오 및 폐기물 Biofuels and waste
1990	22,210	8,586	777	9,896	-	6
1991	23,363	6,793	1,227	12,046	-	9
1992	24,377	5,005	1,839	13,768	-	5
1993	22,761	3,472	2,542	12,430	-	7
1994	27,279	2,055	3,428	16,701	-	7
1995	31,312	1,331	4,590	18,857	-	281
1996	34,133	868	5,771	19,982	-	340
1997	35,636	614	6,538	20,023	-	437
1998	29,771	486	6,557	14,214	-	442
1999	34,466	441	7,925	16,652	-	492
2000	34,987	471	9,202	14,547	-	464
2001	35,690	323	9,412	13,654	-	752
2002	37,207	320	10,241	13,112	-	945
2003	38,325	314	10,889	12,484	4	1,087
2004	38,375	465	11,293	10,915	5	1,197
2005	40,064	675	12,677	10,372	0	630
2006	39,358	780	12,641	8,775	0	815
2007	39,751	743	12,760	8,221	0	925
2008	40,352	819	12,922	7,753	0	945
2009	40,646	708	12,960	7,419	11	1,031
2010	43,584	686	13,920	7,710	5	1,266
2011	43,040	690	13,730	7,183	0	1,262
2012	43,364	660	13,775	6,629	0	1,576
2013	42,630	694	13,610	6,226	1	1,319
2014	40,598	594	12,498	6,013	1	1,176
2015	41,674	539	12,485	6,770	1	1,122
2016	43,904	527	13,202	7,116	3	1,312
2017	45,313	461	13,915	7,163	2	1,346
2018	47,050	387	14,713	6,754	3	1,459
2019	45,330	306	14,187	6,100	1	1,121
2020	44,988	240	14,189	5,484	0	1,150
2021	46,068	211	14,467	5,395	1	1,201
2022	47,629	199	15,027	5,316	1	1,072
2023	46,708	183	13,918	5,025	0	1,318
2024 <sup>p</sup>	46,658	161	13,583	4,876	0	1,342

## 8-3. Building

Unit: Thousand toe

에너지원별 By source			부문별 By sector		
지열, 태양 및 기타 Geothermal, solar, etc.	전기 Electricity	열 Heat	가정 Residential	상업·공공 Commercial & Public	
10	2,935	—	11,262	10,948	1990
12	3,277	—	10,300	13,063	1991
13	3,746	—	9,868	14,509	1992
15	4,296	—	9,615	13,146	1993
18	5,070	—	9,235	18,044	1994
23	5,593	637	10,712	20,600	1995
33	6,331	809	11,713	22,420	1996
47	7,049	928	12,075	23,560	1997
45	7,143	884	10,962	18,809	1998
43	7,880	1,033	13,837	20,630	1999
44	9,051	1,208	16,284	18,703	2000
39	10,293	1,217	17,020	18,670	2001
36	11,329	1,224	17,791	19,416	2002
36	12,116	1,395	17,877	20,448	2003
42	13,010	1,449	18,063	20,312	2004
41	14,018	1,652	20,117	19,948	2005
47	14,751	1,549	19,612	19,745	2006
51	15,473	1,576	18,872	20,879	2007
61	16,182	1,669	19,347	21,004	2008
72	16,732	1,715	19,349	21,297	2009
88	17,957	1,953	20,733	22,851	2010
107	18,113	1,954	20,490	22,550	2011
131	18,508	2,085	20,401	22,963	2012
169	18,562	2,049	20,166	22,464	2013
235	18,144	1,938	18,876	21,722	2014
292	18,559	1,905	18,939	22,735	2015
374	19,296	2,075	20,150	23,754	2016
500	19,626	2,300	20,927	24,386	2017
614	20,585	2,535	22,122	24,929	2018
713	20,431	2,471	21,560	23,770	2019
793	20,539	2,592	22,356	22,632	2020
845	21,248	2,701	22,940	23,128	2021
1,041	22,027	2,946	23,575	24,054	2022
1,073	22,303	2,889	22,334	24,375	2023
1,105	22,950	2,640	22,057	24,600	2024 <sup>p</sup>

## 9. 산업별 에너지 투입액(2020년)

단위: 백만원

	에너지투입액 Amount of Energy Input(A)						
		석탄 Coal	원유 및 천연가스 Crude oil and Natural gas	석탄제품 Coal products	원유정제 처리제품 Refined petroleum products	윤활유 및 기타석유정제품 Lubricants and other refined petroleum products	전력 및 신재생에너지 Electricity and renewables
농림수산물	1,710,944	-	-	13,943	713,331	30,071	952,344
광산물	235,026	102	-	-	33,101	9,212	192,029
음식료품	1,986,762	-	-	4	134,775	8,102	1,330,949
섬유 및 가죽제품	966,954	-	-	-	74,419	11,455	644,223
목재 및 종이, 인쇄	1,934,495	-	-	-	122,605	28,321	1,414,418
석탄 및 석유제품	54,940,997	71,379	48,112,915	2,749	2,949,596	1,066,775	1,326,691
화학제품	38,293,426	38,286	4,184,638	17,308	23,145,395	1,615,982	7,009,493
비금속광물제품	3,114,771	356,144	-	30,067	262,615	872,173	1,315,772
1차 금속제품	11,433,293	3,598,522	-	352,659	89,851	67,174	5,961,969
금속제품	3,512,284	2,976	-	2,002	94,883	174,161	3,072,618
전자부품, 컴퓨터 통신장비 제조	6,510,599	-	-	-	48,884	-1,536	6,003,880
정밀기기	208,281	-	-	-	7,179	1,463	188,990
전기장비	1,454,911	-	-	-	34,635	136,247	1,183,308
기타 기계 및 장비	1,673,162	-	-	-	52,250	91,146	1,463,780
운송장비	2,395,837	-	-	-	231,172	51,769	1,732,437
기타 제조업 제품 및 임가공	984,021	5	-	380	441,829	14,492	274,935
전력, 가스 및 증기	37,936,301	6,826,477	18,951,960	-	2,363,198	36,541	485,982
수도, 폐기물 및 재활용 서비스	787,508	518	-	-	176,891	4,728	593,715
건설	1,909,896	-	-	1,599	1,161,244	217,795	464,162
도소매 서비스	5,774,780	-	-	17	2,983,411	91,894	2,431,601
운송 서비스	14,171,677	-	-	10,660	11,012,744	670,198	1,767,579
음식점 및 숙박 서비스	2,262,109	-	-	20,259	1,077,374	21,006	772,444
정보통신 및 방송 서비스	1,045,414	-	-	-	129,663	7,033	882,818
금융 및 보험 서비스	716,957	-	-	-	39,858	2,244	596,662
부동산	1,666,608	-	-	-	217,600	16,266	1,370,187
전문, 과학 및 기술 서비스	5,253,137	4,530	-	-	983,294	35,914	3,790,677
사업지원 및 임대 서비스	602,080	-	-	-	297,016	5,791	277,145
공공행정·국방	2,004,037	135	-	44	1,154,348	16,259	714,063
교육서비스	3,365,669	-	-	1,264	976,736	7,958	1,876,999
보건 및 사회복지 서비스	2,041,740	-	-	17,866	517,564	5,332	1,024,595
문화 및 기타서비스	1,840,103	-	-	206	339,000	273,730	975,180
기타	13,018	1	-	1,267	9,876	80	1,789

주: 2020년 기준

자료: 한국은행

## 9. Amount of Energy Input by Industry(2020)

Unit: Million KRW

에너지투입액 Amount of Energy Input(A)		중간투입 Intermediate Input	부가가치 Value added	총투입 Gross Input (B)	에너지투입액 비율 Ratio of Energy Input (A/B) (%)	
도시가스 City gas	증기 및 온수 공급 Steam & Air Conditioning supply					
745	510	31,825,325	32,493,861	64,319,186	2.66	Agriculture, forestry and fishing
582	-	2,327,763	1,708,852	4,036,615	5.82	Mining and quarrying
484,872	28,060	108,335,743	24,402,889	132,738,632	1.50	Food, beverage and tobacco
78,398	158,459	48,497,256	11,874,627	60,371,883	1.60	Textiles, apparel and leather
154,105	215,046	33,419,157	13,242,095	46,661,252	4.15	Wood, paper and printing
327,281	1,083,611	73,317,148	1,238,146	74,555,294	73.69	Coal and petroleum products
903,040	1,379,284	194,833,924	79,528,608	274,362,532	13.96	Chemical products
278,000	-	29,104,349	11,797,708	40,902,057	7.62	Non-metallic mineral products
1,363,118	-	105,882,376	24,208,972	130,091,348	8.79	Basic metal products
165,644	-	75,852,564	34,947,191	110,799,755	3.17	Metal products
417,191	42,180	176,910,623	99,269,840	276,180,463	2.36	Electronic components, computer, communication equipment
10,354	295	24,430,145	12,063,235	36,493,380	0.57	Precision instruments
100,721	-	87,857,540	30,460,881	118,318,421	1.23	Electrical equipment
52,679	13,307	103,667,442	43,332,339	146,999,781	1.14	Other machinery and equipment
380,459	-	188,638,605	42,142,481	230,781,086	1.04	Transport equipment
90,540	161,840	52,712,540	43,791,946	96,504,486	1.02	Other manufacturing and tall processing
8,029,778	1,242,365	58,486,477	31,217,773	89,704,250	42.29	Electricity, gas and steam
11,105	551	16,772,378	16,808,018	33,580,396	2.35	Water, waste and recovery services
34,047	31,049	155,697,834	108,050,816	263,748,650	0.72	Construction
97,957	169,900	156,165,655	174,826,063	330,991,718	1.74	Wholesale and retail trade
687,042	23,454	90,031,616	64,873,291	154,904,907	9.15	Transport
342,884	28,142	109,640,557	42,074,599	151,715,156	1.49	Accommodation and food services
24,289	1,611	78,449,430	90,785,089	169,234,519	0.62	Information and communications
32,977	45,216	74,073,940	108,089,859	182,163,799	0.39	Financial and insurance activities
53,684	8,871	66,483,449	170,491,790	236,975,239	0.70	Real estate activities
363,888	74,834	119,896,193	138,635,559	258,531,752	2.03	Professional, scientific and technical activities
19,019	3,109	39,452,740	71,823,068	111,275,808	0.54	Business support services; rental and leasing activities
109,732	9,456	42,338,205	125,917,779	168,255,984	1.19	Public administration and defence
390,469	112,243	38,046,396	88,184,536	126,230,932	2.67	Education
447,387	28,996	74,749,946	105,017,236	179,767,182	1.14	Human health and social work activities
163,925	88,062	58,306,054	47,477,026	105,783,080	1.74	Art, sport, recreation and other services
-	5	4,804,303	-	4,804,303	0.27	Others

Note: Based on 2020.

Source: Bank of Korea



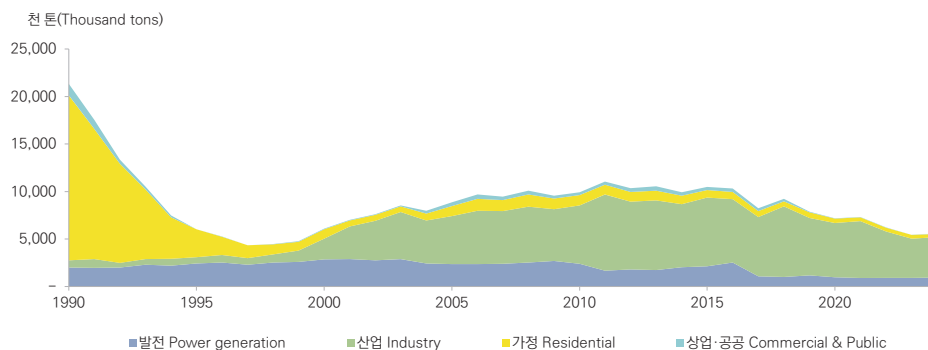






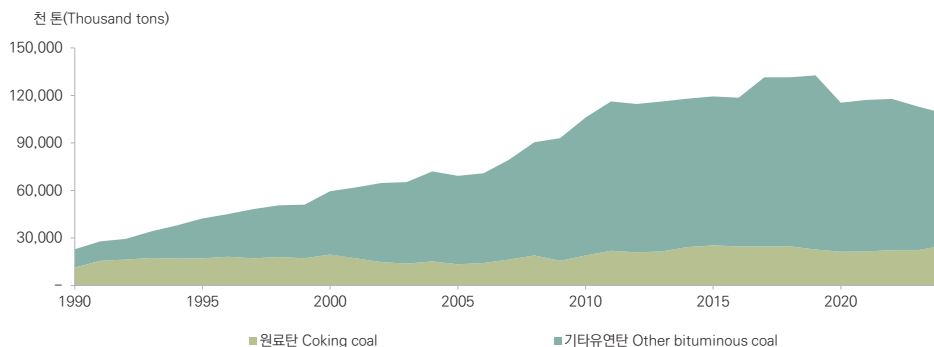
## ● 무연탄 소비 Anthracite Consumption

〈1990~2024p〉



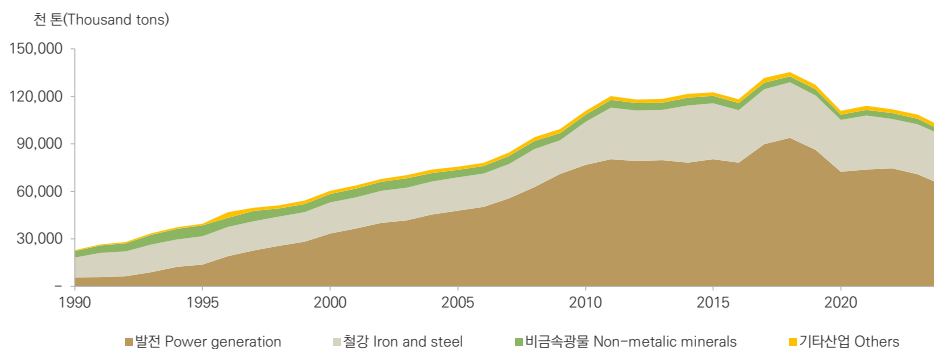
## ● 유연탄 수입 Bituminous Coal Imports

〈1990~2024p〉



## ● 유연탄 소비 Bituminous Coal Consumption

〈1990~2024p〉



주: 아역청탄 포함

Note: Includes sub-bituminous coal.

## 1. 석탄 수급

단위: 천 톤

	무연탄 <sup>1</sup> Anthracite <sup>1</sup>					
	공급 Supply				소비 Consumption	
	국내생산 Production	수입 Imports	재고변화 <sup>3</sup> Stock changes <sup>3</sup>	일차에너지공급 TPES	발전 Power generation	최종소비 TFC
1990	17,217	1,072	2,035	20,324	2,013	19,315
1991	15,058	1,410	-259	16,209	1,978	15,575
1992	11,969	809	547	13,325	2,008	11,331
1993	9,443	783	770	10,996	2,284	8,219
1994	7,438	699	-814	7,323	2,180	5,288
1995	5,720	723	-723	5,720	2,429	3,603
1996	4,951	875	-445	5,381	2,514	2,740
1997	4,512	722	-783	4,451	2,305	2,047
1998	4,361	789	-549	4,601	2,527	1,951
1999	4,197	1,139	-468	4,868	2,597	2,161
2000	4,150	2,038	-37	6,151	2,850	3,230
2001	3,817	3,110	198	7,125	2,875	4,154
2002	3,318	3,879	475	7,672	2,751	4,862
2003	3,298	4,640	574	8,512	2,880	5,644
2004	3,191	4,251	633	8,069	2,415	5,563
2005	2,832	4,567	1,506	8,900	2,359	6,520
2006	2,824	5,113	1,837	9,773	2,356	7,337
2007	2,886	5,444	1,320	9,647	2,392	7,080
2008	2,773	5,955	1,434	10,140	2,534	7,544
2009	2,519	6,468	571	9,557	2,690	6,883
2010	2,084	7,406	373	9,858	2,404	7,511
2011	2,084	8,816	133	11,013	1,659	9,397
2012	2,094	8,055	92	10,230	1,797	8,546
2013	1,815	8,482	171	10,450	1,729	8,808
2014	1,748	8,294	-153	9,862	2,044	7,892
2015	1,764	8,938	-188	10,493	2,125	8,354
2016	1,726	9,424	-353	10,796	2,528	7,783
2017	1,485	7,003	-290	8,198	1,079	7,169
2018	1,202	8,201	-148	9,248	992	8,239
2019	1,084	6,858	-61	7,881	1,165	6,701
2020	1,019	6,286	-122	7,183	971	6,206
2021	898	6,475	-38	7,334	900	6,424
2022	820	5,384	3	6,207	912	5,297
2023	646	4,639	111	5,395	917	4,512
2024 <sup>p</sup>	543	4,794	206	5,543	941	4,597

1. 국내무연탄, 수입무연탄

2. 원료탄, 기타유연탄, 아역청탄

3. 기초재고-기말재고

4. 일차에너지소비

5. 발전전용, 석탄합성가스제조

## 1. Coal Overview

Unit: Thousand tons

유연탄 및 기타석탄 <sup>2</sup> Bituminous and sub-bituminous coal <sup>2</sup>								
수입 Imports				소비 Consumption				
소계 Subtotal	원료탄 Coking coal	기타유연탄 Other bituminous coal	아역청탄 Sub- bituminous coal	소계 <sup>4</sup> Subtotal <sup>4</sup>	전환과정 <sup>5</sup> Transformation processes <sup>5</sup>	철강 Iron & Steel	비금속광물 및 기타산업 Non-metallic minerals & others	
22,846	11,286	11,560	0	23,111	5,724	12,457	4,930	1990
27,849	15,545	12,304	0	26,679	5,777	15,269	5,634	1991
29,768	16,381	12,940	446	28,499	6,385	15,738	6,376	1992
34,929	17,321	16,871	737	34,203	9,008	17,483	7,712	1993
38,507	16,902	20,952	653	38,119	12,299	17,273	8,547	1994
43,113	17,152	25,207	755	40,362	13,752	17,890	8,720	1995
45,398	18,184	26,976	238	47,929	19,019	18,570	10,340	1996
48,860	17,099	31,138	623	51,656	22,714	18,356	10,586	1997
51,417	17,943	32,622	851	53,229	25,682	18,485	9,062	1998
52,315	17,047	34,054	1,214	56,275	28,297	18,634	9,344	1999
61,807	19,568	40,032	2,207	62,544	33,305	19,631	9,608	2000
63,629	17,109	44,748	1,772	65,892	36,601	19,580	9,711	2001
66,235	14,759	49,881	1,595	70,158	40,143	20,205	9,810	2002
67,060	13,794	51,525	1,741	72,315	41,631	20,648	10,035	2003
74,714	15,122	56,981	2,610	77,032	45,512	20,779	10,741	2004
72,192	13,452	55,878	2,862	78,124	47,852	20,890	9,382	2005
74,594	14,130	56,758	3,706	80,481	50,199	20,965	9,317	2006
82,840	16,281	63,074	3,486	87,109	55,487	21,736	9,887	2007
93,629	18,831	71,638	3,160	97,107	62,791	23,835	10,480	2008
96,514	15,481	77,471	3,562	102,453	71,091	21,182	10,180	2009
111,186	18,943	87,153	5,090	114,504	76,674	27,210	10,620	2010
120,334	21,965	94,154	4,215	125,025	80,393	32,368	12,264	2011
117,479	20,895	93,750	2,834	122,602	79,136	31,948	11,518	2012
118,025	21,404	94,818	1,803	122,247	79,692	31,747	10,808	2013
122,738	24,361	93,512	4,865	126,571	78,227	35,991	12,353	2014
126,145	25,210	94,111	6,824	127,386	80,354	35,310	11,722	2015
125,038	24,652	93,816	6,569	123,772	78,256	33,071	12,445	2016
141,233	24,719	106,745	9,769	138,503	90,220	34,601	13,681	2017
140,518	24,716	106,803	8,999	142,063	94,290	35,107	12,666	2018
134,537	22,622	110,045	1,870	133,383	86,597	34,316	12,469	2019
117,207	21,234	94,139	1,833	117,804	72,964	32,690	12,150	2020
119,142	21,511	95,595	2,036	121,598	74,392	34,096	13,110	2021
119,767	22,266	95,485	2,016	117,744	75,104	31,151	11,489	2022
114,824	22,231	90,701	1,891	114,736	71,129	31,531	12,076	2023
110,789	24,962	83,841	1,986	107,104	64,512	31,360	11,233	2024 <sup>p</sup>

1. Domestic and imported anthracite

2. Coking coal, other bituminous and sub-bituminous coal

3. Former stock-Ending stock

4. Total primary energy consumption

5. Electricity-only plants, Coal-to-Gas plants

## 2. 석탄 수입량 및 수입액

단위: 천 톤

Unit: Thousand tons

	합계 Total	무연탄 Anthracite	원료탄 Coking coal	기타유연탄 Other bituminous	아역청탄 Sub- bituminous	갈탄 Lignite/ Brown coal	토탄 Peat	고형연료 Patent fuel	코크스 Coke oven coke
1990	24,119	1,072	11,286	11,560	0	35	21	-	145
1991	29,434	1,410	15,545	12,304	0	19	4	0	151
1992	30,764	809	16,381	12,940	446	16	5	0	166
1993	35,928	783	17,321	16,871	737	3	8	0	205
1994	39,448	699	16,902	20,952	653	6	8	0	227
1995	44,074	723	17,152	25,207	755	5	12	-	221
1996	46,531	875	18,184	26,976	238	9	16	0	233
1997	49,858	722	17,099	31,138	623	3	18	-	254
1998	52,437	789	17,943	32,622	851	0	5	-	225
1999	53,722	1,139	17,047	34,054	1,214	0	10	-	258
2000	64,170	2,038	19,568	40,032	2,207	2	18	0	305
2001	67,035	3,110	17,109	44,748	1,772	1	23	0	272
2002	70,473	3,879	14,759	49,881	1,595	1	25	40	293
2003	72,153	4,640	13,794	51,525	1,741	1	28	-	425
2004	79,697	4,251	15,122	56,981	2,610	0	38	6	689
2005	77,153	4,567	13,452	55,878	2,862	0	44	9	341
2006	80,067	5,113	14,130	56,758	3,706	1	40	5	314
2007	88,899	5,444	16,281	63,074	3,486	0	51	12	551
2008	100,398	5,955	18,831	71,638	3,160	5	52	56	700
2009	103,309	6,468	15,481	77,471	3,562	0	39	32	256
2010	119,304	7,406	18,943	87,153	5,090	0	50	34	629
2011	129,712	8,816	21,965	94,154	4,215	3	61	92	406
2012	126,036	8,055	20,895	93,750	2,834	2	58	74	368
2013	126,996	8,482	21,404	94,818	1,803	1	61	62	364
2014	131,563	8,294	24,361	93,512	4,865	2	66	56	406
2015	135,610	8,938	25,210	94,111	6,824	3	72	61	390
2016	134,930	9,424	24,652	93,816	6,569	2	65	59	343
2017	148,678	7,003	24,719	106,745	9,769	1	69	25	347
2018	149,170	8,201	24,716	106,803	8,999	0	62	15	374
2019	141,792	6,858	22,622	110,045	1,870	0	63	5	328
2020	123,886	6,286	21,234	94,139	1,833	0	101	1	291
2021	126,099	6,475	21,511	95,595	2,036	0	145	0	338
2022	125,563	5,384	22,266	95,485	2,016	0	110	0	301
2023	119,761	4,639	22,231	90,701	1,891	0	72	0	226
2024	115,866	4,794	24,962	83,841	1,986	0	78	1	204

자료: 한국무역협회

## 2. Coal Import Quantity and Amount

단위: 백만 달러(CIF)

Unit: Million USD(CIF)

합계 Total	무연탄 Anthracite	원료탄 Coking coal	기타유연탄 Other bituminous	아역청탄 Sub- bituminous	갈탄 Lignite/ Brown coal	토탄 Peat	고형연료 Patent fuel	코크스 Coke oven coke	
1,288	52	665	552	0	3	1	0	16	1990
1,600	66	928	586	0	2	1	0	18	1991
1,616	42	939	596	18	1	1	0	18	1992
1,733	40	944	699	28	0	2	0	20	1993
1,777	33	860	835	23	1	2	0	23	1994
2,081	35	920	1,072	27	0	4	0	24	1995
2,337	46	1,031	1,219	9	1	5	0	26	1996
2,399	38	961	1,340	27	0	5	-	28	1997
2,229	36	940	1,207	22	0	1	0	23	1998
1,966	46	770	1,096	29	0	2	-	22	1999
2,186	72	830	1,203	51	0	3	0	26	2000
2,347	118	740	1,418	43	0	4	0	25	2001
2,475	148	670	1,584	39	0	5	1	27	2002
2,552	177	635	1,631	48	0	5	0	56	2003
4,438	233	1,050	2,841	94	0	7	0	212	2004
5,443	429	1,483	3,320	115	0	10	1	86	2005
5,318	407	1,626	3,074	145	0	9	0	57	2006
6,445	447	1,723	3,951	155	0	11	2	155	2007
12,810	991	4,297	6,859	213	1	14	13	423	2008
9,995	672	2,510	6,487	218	0	10	10	88	2009
13,131	1,016	3,372	8,053	412	0	13	10	254	2010
18,477	1,774	5,496	10,557	435	1	16	22	177	2011
16,069	1,361	4,239	9,982	308	1	15	19	146	2012
13,074	1,143	3,218	8,406	174	1	17	11	106	2013
12,114	921	3,056	7,667	344	1	18	8	100	2014
9,961	813	2,539	6,136	372	1	16	8	76	2015
9,310	759	2,588	5,580	299	1	14	6	62	2016
15,179	933	4,556	8,925	647	0	16	4	98	2017
16,703	1,199	4,522	10,146	685	0	15	4	132	2018
14,209	927	3,880	9,182	102	0	14	2	102	2019
9,596	611	2,549	6,256	88	0	19	0	74	2020
14,699	889	3,776	9,710	159	0	29	0	137	2021
28,332	1,661	7,906	18,325	263	0	25	0	153	2022
20,178	1,005	5,947	12,946	174	0	19	0	87	2023
16,488	845	6,029	9,395	135	0	20	0	64	2024

Source: Korea International Trade Association

## 3. 지역별 무연탄 수입량

## 3. Anthracite Imports by Origin

단위: 천 톤

Unit: Thousand tons

	합계 Total	아시아 Asia	중동 Middle East	유럽 Europe	북미 North America	중남미 Centre and South America	아프리카 Africa	대양주 Oceania	기타 Others
1990	1,072	580	-	85	36	-	-	-	371
1991	1,410	1,212	79	119	-	-	-	-	-
1992	809	779	-	30	-	-	-	-	-
1993	783	783	-	-	-	-	-	-	-
1994	699	699	-	-	0	-	-	-	-
1995	723	688	-	-	-	-	35	-	-
1996	875	842	-	-	0	-	32	-	-
1997	722	651	-	10	-	-	60	-	-
1998	789	789	-	-	-	-	-	-	-
1999	1,139	1,096	-	-	-	-	27	16	0
2000	2,038	1,616	-	-	-	-	-	422	-
2001	3,110	2,530	-	-	-	-	-	580	-
2002	3,879	2,966	-	0	-	-	-	913	-
2003	4,640	3,629	-	-	-	-	-	1,011	-
2004	4,251	3,180	-	33	33	-	-	1,006	-
2005	4,567	3,119	-	16	104	-	-	1,296	32
2006	5,113	3,168	-	233	408	-	-	1,304	-
2007	5,444	3,491	-	175	45	7	-	1,726	-
2008	5,955	4,253	-	71	0	-	-	1,631	-
2009	6,468	4,168	0	124	-	0	16	2,157	3
2010	7,406	4,603	-	620	-	-	0	2,156	26
2011	8,816	4,294	-	1,326	261	-	-	2,934	-
2012	8,055	3,660	-	1,457	22	0	-	2,916	-
2013	8,482	2,791	-	1,966	-	-	-	3,725	-
2014	8,294	2,667	-	1,724	-	-	-	3,903	-
2015	8,938	1,529	-	2,787	0	-	-	4,622	-
2016	9,424	1,472	-	3,904	0	0	148	3,900	-
2017	7,003	1,388	21	3,232	0	65	243	2,054	-
2018	8,201	1,432	-	4,166	-	95	-	2,507	-
2019	6,858	688	-	3,031	-	98	0	3,041	-
2020	6,286	333	-	3,211	-	88	0	2,655	-
2021	6,475	275	-	2,617	-	92	-	3,491	-
2022	5,384	301	-	2,107	0	191	0	2,785	-
2023	4,639	150	-	2,195	0	256	0	2,038	-
2024	4,794	818	-	1,160	0	537	0	2,280	-

자료: 한국무역협회

Source: Korea International Trade Association



## 4. 지역별 유연탄 수입량

## 4. Bituminous Coal Imports by Origin

단위: 천 톤

Unit: Thousand tons

	합계 Total	아시아 Asia	중동 Middle East	유럽 Europe	북미 North America	중남미 Centre and South America	아프리카 Africa	대양주 Oceania	기타 Others
1990	22,846	2,778	-	1,065	7,821	-	-	8,413	2,769
1991	27,849	3,426	141	549	10,260	112	-	11,029	2,333
1992	29,321	4,200	-	359	7,618	-	-	14,616	2,528
1993	34,191	5,581	-	952	8,201	-	3,820	15,638	-
1994	37,854	7,848	-	674	7,946	-	4,512	16,874	-
1995	42,359	9,719	-	888	9,668	-	4,161	17,924	-
1996	45,160	10,863	-	813	9,477	-	4,681	19,328	-
1997	48,237	11,682	-	1,089	8,368	-	4,830	22,268	-
1998	50,566	11,821	-	649	8,669	65	3,806	25,555	-
1999	51,101	17,456	-	844	7,006	-	4,124	21,670	-
2000	59,601	25,098	-	2,565	7,163	-	2,503	22,238	33
2001	61,857	29,392	-	1,947	6,093	-	264	24,161	-
2002	64,640	31,085	-	2,937	4,543	-	-	26,074	-
2003	65,318	33,063	-	3,070	3,853	-	-	25,333	-
2004	72,103	32,557	-	5,280	5,135	-	-	29,131	-
2005	69,330	31,090	-	3,547	4,913	-	-	29,779	-
2006	70,888	33,675	-	4,799	4,814	-	-	27,600	-
2007	79,355	39,101	-	6,181	6,276	-	301	27,495	-
2008	90,469	38,522	-	7,450	7,519	-	609	36,369	-
2009	92,952	38,229	-	4,796	9,051	72	604	40,200	-
2010	106,096	41,992	-	8,281	12,572	1,696	2,346	39,209	-
2011	116,118	40,580	-	11,883	20,167	306	3,030	40,152	-
2012	114,645	38,066	-	11,243	18,371	1,936	3,017	42,012	-
2013	116,222	37,231	-	13,291	18,944	324	202	46,230	-
2014	117,873	34,952	-	15,748	16,116	9	520	50,528	-
2015	119,322	30,388	-	19,978	12,744	173	244	55,794	-
2016	118,468	33,887	-	21,818	10,310	2,619	2,424	47,411	-
2017	131,464	36,094	111	22,845	14,508	3,786	8,756	45,364	-
2018	131,520	34,201	-	25,679	15,953	5,439	8,370	41,878	-
2019	132,667	30,599	-	26,660	16,153	5,255	5,021	48,980	-
2020	115,373	24,262	-	23,285	15,571	4,898	2,401	44,957	-
2021	117,106	19,634	-	19,489	13,027	2,793	4,136	58,026	-
2022	117,752	27,061	118	24,469	13,240	1,751	7,647	43,466	-
2023	112,932	27,272	-	24,575	12,599	5,594	8,009	34,884	-
2024	108,803	27,596	187	17,350	14,435	9,538	8,075	31,622	-

1. 원료탄, 기타유연탄, 아역청탄의 합계  
자료: 한국무역협회

1. Coking coal, other bituminous and sub-bituminous coal  
Source: Korea International Trade Association

## 5. 부문별 석탄 소비

단위: 천 톤

	무연탄 Anthracite											
	발전 Power generation			산업 Industry			가정 Residential			상업·공공 Commercial & Public		
	소계 Subtotal	국내탄 Domestic	수입탄 Imported	소계 Subtotal	국내탄 Domestic	수입탄 Imported	소계 Subtotal	국내탄 Domestic	수입탄 Imported	소계 Subtotal	국내탄 Domestic	수입탄 Imported
1990	2,013	1,983	30	755	602	153	17,343	15,885	1,457	1,218	1,115	102
1991	1,978	1,973	5	910	473	436	13,703	12,499	1,204	962	878	85
1992	2,008	1,863	145	475	309	166	10,448	9,678	770	408	377	30
1993	2,284	2,205	79	616	223	393	7,318	6,997	321	285	273	13
1994	2,180	2,151	29	743	138	606	4,374	4,311	63	171	168	2
1995	2,429	2,321	108	650	52	598	2,942	2,924	18	11	11	0
1996	2,514	2,421	93	813	34	779	1,920	1,916	4	7	7	0
1997	2,305	2,241	64	682	24	658	1,360	1,360	-	5	5	-
1998	2,527	2,421	106	871	150	722	1,031	1,031	-	48	48	-
1999	2,597	2,502	95	1,180	136	1,044	937	937	-	44	44	-
2000	2,850	2,850	-	2,183	145	2,038	1,000	1,000	-	47	47	-
2001	2,875	2,689	186	3,436	512	2,924	639	639	-	78	78	-
2002	2,751	2,558	193	4,175	489	3,686	611	611	-	75	75	-
2003	2,880	2,710	170	4,949	489	4,460	619	610	9	76	75	1
2004	2,415	2,356	59	4,537	356	4,182	717	709	8	308	305	3
2005	2,359	2,354	5	5,040	517	4,524	1,060	1,033	27	420	409	11
2006	2,356	2,356	-	5,633	596	5,038	1,250	1,194	55	454	434	20
2007	2,392	2,156	236	5,557	509	5,048	1,143	1,023	120	379	340	40
2008	2,534	1,960	574	5,863	574	5,289	1,285	1,215	71	396	374	22
2009	2,690	1,360	1,330	5,445	452	4,993	1,119	1,007	112	319	287	32
2010	2,404	839	1,565	6,121	422	5,699	1,100	988	112	290	260	30
2011	1,659	543	1,116	8,022	416	7,606	1,047	975	72	328	306	23
2012	1,797	591	1,206	7,149	403	6,746	1,022	947	76	375	347	28
2013	1,729	323	1,406	7,332	399	6,934	1,037	936	101	439	396	43
2014	2,044	250	1,794	6,638	320	6,317	881	753	128	373	319	54
2015	2,125	245	1,880	7,220	298	6,922	797	701	96	337	297	41
2016	2,528	240	2,288	6,679	137	6,543	757	683	74	347	313	34
2017	1,079	235	844	6,220	122	6,098	651	608	42	298	279	19
2018	992	230	762	7,436	105	7,331	551	528	23	253	242	11
2019	1,165	400	765	6,061	3	6,058	586	553	33	55	52	3
2020	971	400	571	5,700	2	5,698	462	447	15	44	42	1
2021	900	400	500	5,977	2	5,975	409	409	-	39	39	-
2022	912	400	512	4,875	3	4,872	419	419	-	3	3	-
2023	917	400	517	4,124	2	4,121	386	386	-	3	3	-
2024 <sup>p</sup>	941	400	541	4,255	2	4,253	340	340	-	2	2	-

1. 원료탄, 기타유연탄, 아역청탄

## 5. Coal Consumption by Sector

Unit: Thousand tons

유연탄 및 기타 석탄 <sup>1</sup> Bituminous and sub-bituminous coal <sup>1</sup>										
발전 Power generation	산업 Industry									
	소계 Subtotal	식품및담배 Food & Tobacco	섬유및가죽 Textile & Leather	화학및석유화학 Chemical & Petrochemical	비금속광물 Non- metallic Minerals	철강 Iron & Steel	비철금속 Non-ferrous metals	기타 Others		
5,724	17,387	23	494	262	4,030	12,457	-	122	1990	
5,777	20,902	25	508	317	4,776	15,269	-	8	1991	
6,385	22,114	54	670	448	5,194	15,738	-	9	1992	
9,008	25,195	60	820	668	6,152	17,483	-	11	1993	
12,299	25,820	68	906	703	6,694	17,273	164	12	1994	
13,752	26,610	68	745	923	6,831	17,890	141	12	1995	
19,019	28,910	76	1,050	1,056	5,758	18,570	202	2,199	1996	
22,714	28,942	74	1,638	2,117	6,593	18,356	153	11	1997	
25,682	27,547	68	1,681	2,117	5,019	18,485	164	12	1998	
28,297	27,978	69	1,847	2,192	5,069	18,634	155	12	1999	
33,305	29,239	63	1,831	2,242	5,308	19,631	164	1	2000	
36,601	29,291	68	1,816	2,190	5,475	19,580	162	-	2001	
40,143	30,015	69	1,670	2,239	5,669	20,205	162	-	2002	
41,631	30,683	64	1,583	2,133	6,060	20,648	168	28	2003	
45,512	31,520	61	1,918	3,259	5,309	20,779	166	27	2004	
47,852	30,272	64	1,864	2,484	4,807	20,890	163	-	2005	
50,199	30,282	60	1,864	2,488	4,738	20,965	166	-	2006	
55,487	31,623	63	2,027	2,578	5,051	21,736	167	-	2007	
62,791	34,316	58	2,068	2,931	5,236	23,835	187	-	2008	
71,091	31,362	61	2,005	3,150	4,463	21,182	500	-	2009	
76,674	37,830	62	1,910	3,744	4,564	27,210	316	23	2010	
80,393	44,632	61	1,918	4,878	5,046	32,368	335	26	2011	
79,136	43,466	62	1,870	4,585	4,625	31,948	351	25	2012	
79,692	42,555	61	1,813	3,868	4,647	31,747	393	26	2013	
78,227	48,344	62	1,949	4,982	4,916	35,991	419	25	2014	
80,351	47,032	65	1,640	4,817	4,650	35,310	526	24	2015	
78,091	45,516	65	1,650	5,390	4,591	33,071	553	196	2016	
89,848	48,282	48	1,907	6,470	4,175	34,601	606	474	2017	
93,801	47,774	-	1,831	6,277	3,709	35,107	595	254	2018	
86,290	46,786	-	1,682	5,751	3,989	34,316	599	449	2019	
72,312	44,840	-	1,523	6,376	3,404	32,690	546	300	2020	
73,779	47,206	-	1,629	6,988	3,649	34,096	536	308	2021	
74,545	42,640	7	1,584	5,448	3,657	31,151	497	296	2022	
70,838	43,607	6	1,757	6,062	3,479	31,531	498	273	2023	
63,895	42,592	6	1,745	5,990	2,743	31,360	476	273	2024 <sup>p</sup>	

1. Coking coal, other bituminous and sub-bituminous coal.

## 6. 무연탄 재고

## 6. Anthracite Stocks

단위: 천 톤

Unit: Thousand tons

	합계 Total	연탄공장 Briquette Factory	정부비축 Government	탄광 Mine	입항지 Port
1995	8,492	1,747	4,058	2,156	531
2000	10,774	538	8,111	1,829	296
2005	7,388	201	6,943	227	17
2006	5,551	620	4,671	260	-
2007	4,231	529	3,445	257	-
2008	2,797	607	2,026	164	-
2009	2,226	537	1,596	93	-
2010	1,853	479	1,308	66	-
2011	1,720	514	1,142	64	-
2012	1,628	471	1,080	77	-
2013	1,457	435	924	98	-
2014	1,610	600	899	111	-
2015	1,798	631	899	268	-
2016	2,151	661	899	591	-
2017	2,441	671	899	871	-
2018	2,589	630	905	1,054	-
2019	2,650	391	918	1,341	-
2020	2,772	213	932	1,627	-
2021	2,810	105	944	1,761	-
2022	2,807	109	955	1,743	-
2023	2,696	114	966	1,616	-
2024	2,490	96	975	1,419	-

자료: 대한석탄협회

Source: Korea Coal Association

## 7. 생산규모별 국내 탄광 현황

## 7. Number of Anthracite Mines by Production Scale

단위: 개

Unit: Number

	합계 Total	5만톤 미만 50,000 M/T Under	5~10만톤 50,000~ 100,000 M/T	10~30만톤 100,000~ 300,000 M/T	30~50만톤 300,000~ 500,000 M/T	50만톤 이상 500,000 M/T Over
1995	27	15	3	2	2	5
2000	12	2	1	3	3	3
2005	8	-	2	3	1	2
2006	7	-	1	3	1	2
2007	7	-	1	3	1	2
2008	7	-	1	3	1	2
2009	6	1	-	2	1	2
2010	5	-	-	2	1	2
2011	5	-	-	2	1	2
2012	5	-	-	2	1	2
2013	5	-	1	1	1	2
2014	5	1	-	2	-	2
2015	5	1	-	1	2	1
2016	5	1	-	1	2	1
2017	5	1	-	1	2	1
2018	5	1	-	3	-	1
2019	4	-	-	3	-	1
2020	4	-	1	2	-	1
2021	4	-	1	2	-	1
2022	4	-	1	2	-	1
2023	4	1	2	-	1	-
2024	3	1	1	-	1	-

자료: 대한석탄협회

Source: Korea Coal Association

## 8. 석탄광 종업원 수 및 생산성(O.M.S) 8. Coal Mining Employees and Output per Man Shift

	합계 Total		대한석탄공사 Korea Coal Corporation		민영 Private	
	종업원 수 Employees	생산성 O.M.S	종업원 수 Employees	생산성 O.M.S	종업원 수 Employees	생산성 O.M.S
	명(person)	톤(ton)	명(person)	톤(ton)	명(person)	톤(ton)
1990	38,101	1.56	10,679	1.33	27,422	1.65
1991	32,561	1.65	10,450	1.40	22,111	1.76
1992	26,021	1.61	9,500	1.33	16,521	1.78
1993	19,461	1.61	7,949	1.29	11,512	1.83
1994	14,925	1.63	6,370	1.32	8,555	1.86
1995	11,735	1.65	5,434	1.24	6,301	1.99
1996	10,725	1.62	5,031	1.20	5,694	2.01
1997	9,723	1.66	4,556	1.24	5,167	2.03
1998	8,576	1.71	3,790	1.28	4,786	2.10
1999	8,214	1.80	3,706	1.37	4,508	2.18
2000	8,207	1.81	3,768	1.38	4,439	2.23
2001	7,169	1.77	3,543	1.29	3,626	2.22
2002	6,624	1.75	3,232	1.23	3,392	2.29
2003	6,602	1.77	3,255	1.30	3,347	2.67
2004	5,876	1.81	3,286	1.35	2,590	2.29
2005	5,736	1.96	3,351	1.47	2,385	2.62
2006	5,940	1.99	3,553	1.51	2,387	2.71
2007	5,797	2.08	3,464	1.67	2,333	2.70
2008	4,987	2.17	3,115	1.72	1,872	2.89
2009	4,462	2.26	2,754	1.95	1,708	2.79
2010	4,050	2.18	2,668	1.82	1,382	2.86
2011	3,768	2.30	2,378	1.89	1,390	2.99
2012	3,808	2.35	2,424	1.98	1,384	2.96
2013	3,427	2.25	2,375	2.04	1,052	2.70
2014	3,104	2.35	2,033	2.10	1,071	2.81
2015	3,126	2.45	2,063	2.20	1,063	2.90
2016	3,172	2.39	2,121	2.14	1,051	2.84
2017	2,893	2.23	2,004	1.98	889	2.76
2018	2,490	1.95	1,634	1.58	856	2.69
2019	2,347	1.95	1,491	1.52	856	2.73
2020	2,219	1.91	1,371	1.40	848	2.78
2021	2,040	1.83	1,242	1.30	798	2.71
2022	1,813	1.80	1,030	1.18	783	2.72
2023	1,620	1.56	892	0.77	728	2.69
2024	1,211	1.69	489	0.54	722	2.75

자료: 대한석탄협회

Source: Korea Coal Association

## 9. 연탄 공장 현황

단위: 개

	합계 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
2000	81	4	4	4	-	2	3	-	-
2001	80	4	4	4	-	2	3	-	-
2002	73	3	3	4	-	2	3	-	-
2003	68	3	2	4	-	1	3	-	-
2004	64	3	2	4	-	1	3	-	-
2005	62	3	3	4	-	1	3	-	-
2006	59	3	3	4	-	1	3	-	-
2007	60	3	3	4	-	1	3	-	-
2008	52	2	1	3	-	1	3	-	-
2009	51	2	1	3	-	1	3	-	-
2010	50	2	1	3	-	1	3	-	-
2011	51	2	1	3	-	1	3	-	-
2012	49	2	1	3	-	1	3	-	1
2013	48	2	1	3	-	1	3	-	1
2014	48	2	1	3	-	1	3	-	1
2015	49	2	1	3	-	1	3	-	1
2016	46	2	1	3	-	1	3	-	1
2017	48	2	1	3	-	1	3	-	1
2018	45	2	-	-	-	1	3	-	-
2019	44	2	-	-	-	1	3	-	-
2020	39	1	-	-	-	1	3	-	-
2021	34	1	-	-	-	1	3	-	-
2022	34	1	-	-	-	1	3	-	-
2023	30	1	-	-	-	1	3	-	-
2024	26	-	-	-	-	-	3	-	-

주: 지역별 연탄생산용 무연탄 소비 기준

자료: 대한석탄협회

## 9. Number of Briquette Factories

Unit: Number

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
3	14	5	5	7	8	18	3	1	2000
3	14	5	5	7	7	18	3	1	2001
3	14	5	4	7	6	15	3	1	2002
2	12	5	5	7	6	14	3	1	2003
2	11	5	5	7	6	13	2	-	2004
2	11	5	5	4	6	13	2	-	2005
2	10	5	3	4	6	13	2	-	2006
2	11	5	3	4	6	13	2	-	2007
2	11	5	3	2	4	13	2	-	2008
2	11	5	3	2	3	13	2	-	2009
2	11	5	3	2	2	14	1	-	2010
2	11	6	3	2	2	14	1	-	2011
2	10	6	2	2	2	13	1	-	2012
1	10	6	2	2	2	13	1	-	2013
1	10	6	2	2	2	13	1	-	2014
1	11	6	2	2	2	13	1	-	2015
1	10	6	2	2	2	11	1	-	2016
1	11	6	2	2	2	12	1	-	2017
1	12	6	2	1	2	14	1	-	2018
1	12	6	2	1	1	14	1	-	2019
1	11	4	2	1	1	13	1	-	2020
1	10	4	2	1	1	10	-	-	2021
1	10	4	2	1	1	10	-	-	2022
1	8	4	1	1	1	9	-	-	2023
1	7	3	1	1	1	9	-	-	2024

Note: Anthracite consumption for briquette production  
Source: Korea Coal Association

## 10. 석탄광 재해 현황

	생산량 Production	종업원 수 Number of employees	연가동인원 Man shift per year	재해자 수 Number of persons			
				합계 Total	사망 Death	중상 Severe injury	경상 Slight injury
	천 톤 (1,000 ton)	명 (person)	천 명 (1,000 person)	명 (person)			
1990	17,217	38,101	11,137	3,773	108	1,878	1,787
1991	15,058	32,561	8,665	2,843	74	1,545	1,224
1992	11,970	26,021	7,357	1,916	74	984	858
1993	9,443	19,461	5,456	1,331	57	557	717
1994	7,438	14,925	4,476	786	46	426	314
1995	5,720	11,735	3,481	423	17	274	132
1996	4,951	10,889	3,068	265	27	172	66
1997	4,514	9,543	2,850	235	15	142	78
1998	4,361	8,430	2,564	153	6	108	39
1999	4,197	8,214	2,330	114	9	60	45
2000	4,150	8,207	2,271	107	6	42	59
2001	3,817	7,812	2,152	99	14	34	51
2002	3,318	6,872	1,896	70	14	20	36
2003	3,299	6,636	1,858	62	7	20	35
2004	3,191	6,570	1,759	48	5	11	32
2005	2,832	5,736	1,447	22	3	7	12
2006	2,824	5,888	1,422	31	-	8	23
2007	2,886	5,843	1,385	73	3	34	36
2008	2,773	4,987	1,275	50	2	24	24
2009	2,519	4,462	1,112	48	4	21	23
2010	2,084	4,050	995	36	1	12	23
2011	2,084	3,794	905	31	2	14	15
2012	2,094	3,706	890	42	4	15	23
2013	1,815	3,435	805	43	3	18	22
2014	1,748	3,104	745	11	2	6	3
2015	1,764	3,126	721	14	1	5	8
2016	1,726	3,172	724	19	3	5	11
2017	1,485	2,893	667	19	5	6	8
2018	1,202	2,490	617	6	1	-	5
2019	1,084	2,347	555	13	2	5	6
2020	1,019	2,219	535	6	1	3	2
2021	898	2,040	491	3	-	2	1
2022	820	1,813	454	3	1	1	1
2023	646	1,620	413	1	-	-	1
2024	543	1,211	321	3	1	2	-

자료: 대한석탄협회



## 10. Coal Mining Accidents

백만인당 재해자 수 Accidents per million man shifts				백만톤당 재해자 수 Accidents per million tonnes of product				
합계 Total	사망 Death	중상 Severe injury	경상 Slight injury	합계 Total	사망 Death	중상 Severe injury	경상 Slight injury	
명 (person)								
338.8	9.7	168.6	160.5	219.1	6.3	109.1	103.7	1990
328.1	8.5	178.3	141.2	188.8	4.9	102.6	81.2	1991
260.4	10.1	133.8	116.6	160.1	6.2	82.2	71.7	1992
244.0	10.4	102.1	131.4	140.9	6.0	59.0	75.9	1993
175.6	10.3	95.2	70.2	105.7	6.2	57.3	42.2	1994
121.5	4.9	78.7	37.9	74.0	3.0	47.9	23.1	1995
86.4	8.8	56.1	21.5	53.5	5.5	34.7	13.3	1996
82.5	5.3	49.8	27.4	52.1	3.3	31.5	17.3	1997
59.7	2.3	42.1	15.2	35.1	1.4	24.8	8.9	1998
48.9	3.9	25.8	19.3	27.2	2.1	14.3	10.8	1999
47.1	2.6	18.5	26.0	25.7	1.4	10.1	14.2	2000
46.0	6.5	15.8	23.7	25.9	3.7	8.9	13.3	2001
36.9	7.4	10.5	19.0	21.1	4.2	6.0	10.9	2002
33.4	3.8	10.8	18.8	18.8	2.1	6.1	10.6	2003
27.3	2.8	6.3	18.2	15.0	1.6	3.4	10.0	2004
15.2	2.1	4.8	8.3	7.8	1.1	2.5	4.2	2005
21.8	–	5.6	16.2	11.0	–	2.8	8.2	2006
52.7	2.2	24.5	26.0	25.3	1.0	11.8	12.5	2007
39.2	1.6	18.8	18.8	18.0	0.7	8.7	8.6	2008
43.2	3.6	18.9	20.7	19.1	1.6	8.3	9.2	2009
36.2	1.0	12.1	23.1	17.3	0.5	5.8	11.0	2010
34.3	2.2	15.5	16.6	14.9	1.0	6.7	7.2	2011
47.2	4.5	16.9	25.8	20.1	1.9	7.2	11.0	2012
53.4	3.7	22.4	27.3	23.7	1.9	9.9	12.1	2013
14.8	2.7	8.1	4.0	6.3	1.2	3.4	1.7	2014
19.4	1.4	6.9	11.1	7.9	0.6	2.8	4.5	2015
26.2	4.1	6.9	15.2	11.0	1.7	2.9	6.4	2016
28.5	7.5	9.0	12.0	12.8	3.4	4.0	5.4	2017
9.7	1.6	–	8.1	5.0	0.8	–	4.2	2018
23.4	3.6	9.0	10.8	11.9	1.8	4.6	5.5	2019
11.2	1.9	5.6	3.7	5.9	1.0	2.9	2.0	2020
6.1	–	4.1	2.0	3.3	–	2.2	1.1	2021
6.6	2.2	2.2	2.2	3.6	1.2	1.2	1.2	2022
2.4	–	–	2.4	1.5	–	–	1.5	2023
9.3	3.1	6.2	–	5.5	1.8	3.7	–	2024

Source: Korea Coal Association

## 11. 연탄 가격 추이

	공장도 Plant Gate Price		판매소도 Seller's Gate Price		가정도 House Gate Price	
	가격 Price	인상률 Increase rate	가격 Price	인상률 Increase rate	가격 Price	인상률 Increase rate
	원(KRW)	%	원(KRW)	%	원(KRW)	%
1981. 08. 14	131.00	12.4	145.50	11.1	153.00	10.9
1981. 07. 01	135.00	3.1	150.00	3.1	158.00	3.3
1982. 05. 13	135.00	-	150.00	-	158.00	-
1983. 05. 17	135.00	-	150.00	-	158.00	-
1984. 04. 14	140.00	3.7	151.00	0.7	166.00	5.1
1985. 09. 05	145.00	3.6	156.00	3.3	171.00	3.0
1986. 05. 05	151.00	4.1	168.00	7.7	178.00	4.1
1987. 04. 04	160.00	6.0	177.00	5.4	187.00	5.1
1988. 05. 10	167.25	4.5	185.00	4.5	195.00	4.3
1989. 06. 03	167.25	-	185.00	-	195.00	-
1990. 09. 06	167.25	-	185.00	-	200.00	2.6
1991. 10. 02	167.25	-	시·도지사결정	-	시·도지사결정	-
1995. 09. 01	167.25	-	"	-	"	-
1996. 09. 01	167.25	-	"	-	"	-
1997. 09. 01	167.25	-	"	-	"	-
1998. 10. 01	167.25	-	"	-	"	-
1999. 11. 01	167.25	-	"	-	"	-
2000. 11. 01	167.25	-	"	-	"	-
2001. 09. 01	167.25	-	"	-	"	-
2003. 03. 01	184.00	10.0	201.75	9.1	"	-
2003. 12. 01	184.00	-	201.75	-	"	-
2004. 12. 01	184.00	-	201.75	-	"	-
2005. 09. 01	184.00	-	201.75	-	"	-
2007. 04. 01	221.00	20.1	238.75	18.3	"	-
2008. 04. 01	287.25	30.0	305.00	27.7	"	-
2009. 11. 01	373.50	30.0	391.25	28.3	"	-
2011. 08. 01	373.50	-	391.25	-	"	-
2016. 10. 04	446.75	19.6	464.50	18.7	"	-
2017. 11. 28	534.25	19.6	552.00	18.8	"	-
2018. 11. 23	639.00	19.6	656.75	19.0	"	-
2019. 09. 20	639.00	-	656.75	-	"	-
2020. 12. 16	639.00	-	656.75	-	"	-
2021. 12. 11	639.00	-	656.75	-	"	-
2022. 12. 05	639.00	-	656.75	-	"	-
2023. 12. 20	639.00	-	656.75	-	"	-
2024. 12. 20	639.00	-	656.75	-	"	-

주: 서울시 3.6kg 연탄가격 기준  
자료: 대한석탄협회

Note: Based on a 3.6kg-briquette in Seoul  
Source: Korea Coal Association

## 12. 석탄 및 연탄가격

## 12. Coal and Briquette Price

## 12-1. 석탄 및 연탄가격 인상추이

	'89 ~'95	'96	'97	'98 ~'99	'00 ~'01	'02	'03	'04	'05 ~'06	'07	'08	'09	'10	'11	'12 ~'15	'16	'17	'18	'19 ~'24
석탄	동결	5%	10%	15%	동결	5%	5%	7.5%	10%	10%	15.5%	7.1%	동결	15%	동결	8%	8%	8%	동결
연탄 (가격)	'89~'02년까지 동결 (167)						10% (184)	동결 (184)	20% (221)	30% (287)	30% (374)	동결 (374)			19.6% (447)	19.6% (534)	19.6% (639)	동결 (639)	

주: 연탄(공장도)가격은 '88년 이후 7회('03.3.1, '07.4.1, '08.4.1, '09.11.1, '16.10.4, '17.11.28, '18.11.23) 인상

자료: 석탄 및 석탄가공제품 판매가격의 최고액 지정 등에 관한 고시, '25.11.24.

## 12-2. 연탄제조용 및 발전용 무연탄 최고판매가격

등급	열 량(kcal/kg)	최고판매가격(원/톤)	비고
1급	5,200~5,399	209,520	자율가격
2급	5,000~5,199	201,610	"
3급	4,800~4,999	193,710	고시가격
4급	4,600~4,799	186,540	"
5급	4,400~4,599	179,380	"
6급	4,200~4,399	172,220	"
7급	4,000~4,199	165,040	자율가격
8급	3,750~3,999	152,150	"
9급	3,500~3,749	142,400	"
급외1	3,250~3,499	128,870	"
급외2	3,000~3,249	119,310	"

주: 발전용탄 중 2급 이상은 3급탄 중위열량(kcal/kg)당 단가로 각 등급별 중위열량을 곱한 금액을 기준으로 함.

자료: 석탄 및 석탄가공제품 판매가격의 최고액 지정 등에 관한 고시, '25.11.24.

## 12-3. 연탄 최고판매가격 (1호탄(3.6kg) 기준): 전국 단일가격

단위: 원/개

2008. 4. 1. ~ 2009. 10. 31.		2009. 11. 1. ~ 2016. 10. 3.		2016. 10. 4. ~ 2017. 11. 27.		2017. 11. 28. ~ 2018. 11. 22.		2018. 11. 23. 부터	
공장도	판매소 (소매점)	공장도	판매소 (소매점)	공장도	판매소 (소매점)	공장도	판매소 (소매점)	공장도	판매소 (소매점)
287.25	305.00	373.50	391.25	446.75	464.50	534.25	552.00	639.00	656.75

주: 소비자가격 = 공장도가격 + 운반비 및 배달료(자율화)

자료: 석탄 및 석탄가공제품 판매가격의 최고액 지정 등에 관한 고시, '25.11.24.

## 12-4. 연탄 품질기준

	지름 (mm)	높이 (mm)	무게 (kg)	발열량 (kcal/kg)	공수
1호	150.00	142.00	3.60	4,400이상	22(일반가정용)
2호	158.00	152.00	4.50	"	25.00
3호	162.00	155.00	4.80	"	25.00
4호	157.00	161.00	4.90	"	19.00
5호	215	142	7.5	"	31

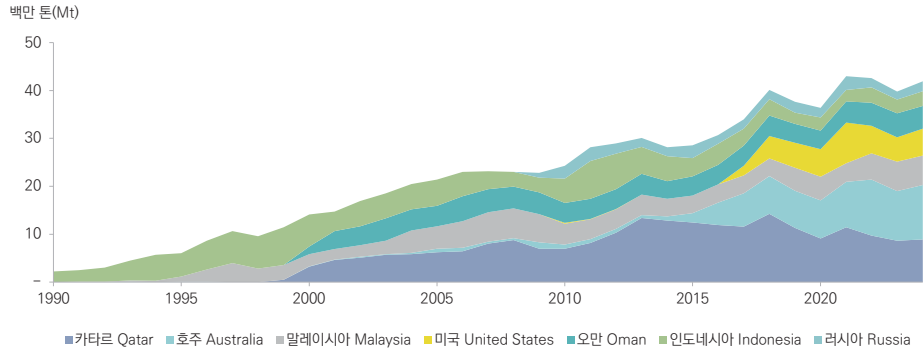
자료: 석탄산업법 시행규칙 [별표 3]석탄가공제품의 품질기준과 검사방법, '25.10.1.





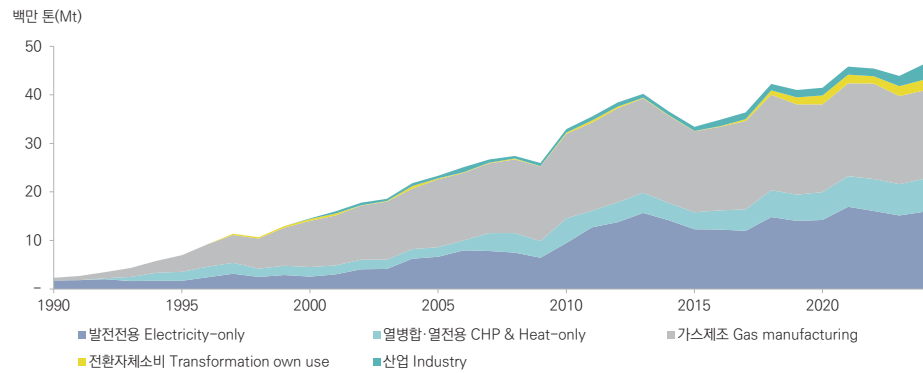
## ● 천연가스 수입 Natural Gas Imports

〈1990~2024p〉



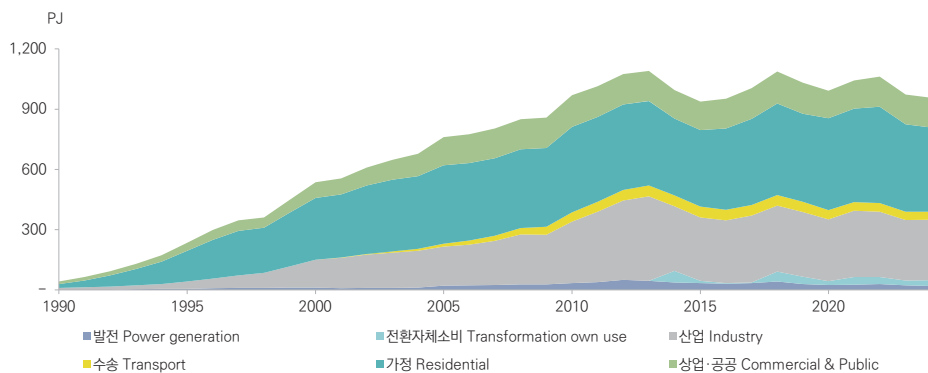
## ● 천연가스 소비 Natural Gas Consumption

〈1990~2024p〉



## ● 도시가스 소비 City Gas consumption

〈1990~2024p〉



## 1. 천연가스 수급

## 1. Natural Gas Overview

단위: 천 톤

Unit: Thousand tons

	공급 Supply				소비 Consumption				
	국내생산 Production	수입 Imports	재고변화 <sup>1</sup> Stock changes <sup>1</sup>	발전전용 Electricity- only	열병합·열전용 CHP/ Heat-only	가스제조 Gas manufacturing	전환자체소비 <sup>2</sup> Transformation own use <sup>2</sup>	산업 <sup>3</sup> Industry <sup>3</sup>	
1990	2,275	－	2,237	38	1,741	－	572	－	4
1991	2,430	－	2,494	－64	1,800	－	875	－	5
1992	3,036	－	2,994	42	2,019	206	1,250	－	7
1993	4,430	－	4,459	－29	1,661	857	1,834	－	14
1994	5,936	－	5,996	－60	1,709	1,620	2,442	－	12
1995	6,810	－	6,756	54	1,680	1,882	3,408	－	9
1996	8,992	－	9,258	－266	2,427	2,195	4,581	－	0
1997	11,235	－	11,471	－236	3,147	2,229	5,770	233	0
1998	10,267	－	10,189	78	2,466	1,723	6,233	221	0
1999	12,273	－	12,284	－12	2,858	1,909	7,886	305	2
2000	15,187	－	15,239	－52	2,575	1,954	9,528	337	160
2001	15,171	－	15,318	－147	3,004	1,846	10,299	398	438
2002	18,305	－	17,993	312	4,086	1,968	11,169	54	479
2003	18,671	－	19,308	－638	4,116	1,933	11,939	164	458
2004	21,405	163	21,781	－539	6,281	1,973	12,456	487	589
2005	23,359	398	22,317	643	6,664	1,959	13,978	211	486
2006	24,633	355	25,256	－977	7,980	2,033	13,879	185	1,014
2007	26,665	271	25,569	825	7,823	3,706	14,350	136	645
2008	25,994	181	27,259	－1,447	7,495	4,021	15,201	173	549
2009	27,029	383	25,822	824	6,421	3,479	15,328	52	700
2010	32,063	415	32,603	－956	9,462	5,127	17,354	274	739
2011	36,398	347	36,685	－634	12,707	3,465	18,090	470	769
2012	38,001	334	36,184	1,483	13,747	4,095	19,381	363	813
2013	39,834	355	39,876	－397	15,663	4,201	19,400	144	798
2014	36,357	247	37,107	－997	14,132	3,591	17,967	111	781
2015	33,710	144	33,366	200	12,336	3,445	16,732	56	868
2016	34,911	118	33,453	1,339	12,227	3,994	17,184	123	1,367
2017	37,185	261	37,537	－613	12,010	4,411	18,199	363	1,401
2018	42,183	234	44,015	－2,067	14,802	5,562	19,624	919	1,367
2019	41,252	198	40,748	305	14,016	5,390	18,633	1,479	1,476
2020	41,282	142	39,982	1,183	14,258	5,721	18,045	1,848	1,591
2021	45,631	42	45,932	－321	16,943	6,306	19,118	1,817	1,605
2022	45,180	－	46,394	－1,206	16,096	6,579	19,643	1,514	1,621
2023	43,362	－	44,117	－743	15,134	6,485	18,129	2,020	2,159
2024 <sup>p</sup>	46,537	－	46,318	237	15,921	6,798	18,204	2,230	3,290

1. 기초재고-기말재고

2. 석유정제, LNG 생산기지 내의 설비 운용 등

3. 최종소비

1. Former stock-Ending stock

2. LNG consumption in oil refinery and LNG terminals

3. Total final consumption



## 2. 국가별 천연가스 수입

## 2. Natural Gas Imports by Country

	수입량 Imports									수입단가 Import prices
	카타르 Qatar	호주 Australia	말레이시아 Malaysia	미국 United States	오만 Oman	인도네시아 Indonesia	러시아 Russia	기타 Others		
	천 톤(Thousand tons)									
1990	2,237	-	-	-	0	-	2,237	-	-	205.4
1991	2,494	-	-	58	-	-	2,436	-	-	194.5
1992	2,994	-	-	58	-	-	2,935	-	-	187.6
1993	4,459	-	57	290	-	-	4,112	-	-	175.2
1994	5,996	-	-	292	-	-	5,433	-	271	160.3
1995	6,756	-	114	1,040	-	-	4,892	-	710	188.8
1996	9,258	-	56	2,573	0	-	5,975	-	654	202.9
1997	11,471	-	-	3,928	-	-	6,730	-	813	200.1
1998	10,189	-	-	2,851	-	-	6,736	-	602	152.1
1999	12,284	480	-	3,046	0	-	7,943	-	815	160.6
2000	15,239	3,251	54	2,529	0	1,619	6,633	-	1,153	254.8
2001	15,318	4,655	57	2,175	0	3,784	4,055	-	591	260.5
2002	17,993	5,123	176	2,400	0	3,970	5,256	-	1,068	229.0
2003	19,308	5,694	123	2,798	-	4,714	5,200	-	779	263.2
2004	21,781	5,818	285	4,638	0	4,411	5,290	-	1,339	300.8
2005	22,317	6,211	748	4,688	-	4,244	5,502	-	925	387.4
2006	25,256	6,458	701	5,546	-	5,221	5,060	-	2,270	472.2
2007	25,569	8,031	422	6,161	0	4,792	3,755	-	2,407	494.9
2008	27,259	8,744	398	6,247	-	4,544	3,053	-	4,273	726.6
2009	25,822	6,973	1,314	5,874	-	4,551	3,084	1,017	3,009	537.3
2010	29,860	6,997	849	4,331	232	4,128	5,060	2,677	5,585	522.0
2011	36,685	8,153	787	4,144	113	4,195	7,894	2,850	8,548	650.4
2012	36,184	10,278	832	4,082	57	4,127	7,445	2,163	7,199	756.3
2013	39,876	13,354	620	4,314	-	4,331	5,627	1,841	9,789	768.5
2014	37,107	12,853	836	3,673	-	3,726	5,176	1,913	8,929	846.3
2015	33,366	12,442	1,952	3,698	-	3,990	3,776	2,679	4,828	562.8
2016	33,453	11,880	4,695	3,813	28	4,081	4,362	1,851	2,744	363.8
2017	37,537	11,554	6,997	3,749	1,959	4,231	3,542	1,923	3,583	416.0
2018	44,015	14,245	7,871	3,702	4,658	4,282	3,447	1,930	3,880	526.8
2019	40,748	11,311	7,775	4,802	5,226	3,946	2,336	2,247	3,106	504.7
2020	39,982	9,087	7,972	4,918	5,762	3,900	2,699	2,019	3,627	393.1
2021	45,932	11,464	9,465	3,906	8,478	4,415	2,387	2,867	2,950	554.1
2022	46,394	9,727	11,651	5,516	5,759	4,757	3,226	1,962	3,796	1,078.2
2023	44,117	8,605	10,422	6,115	5,113	4,966	2,909	1,654	4,333	817.1
2024	46,318	8,881	11,402	6,133	5,636	4,726	3,039	2,116	4,384	632.0

자료: 한국무역협회

Source: Korea International Trade Association

## 3. 액화천연가스 생산설비

## 3. LNG Import Terminals

	공급 Supply				배관길이 Pipeline Length
	접안설비 Loading Facility	저장탱크 Storage Tank	기화설비 Gasification Facility	송출설비 Sending Facility	
	선좌 Berths	10만㎥ (10 <sup>5</sup> ㎥)	톤/시간 (ton/h)		
1990	1	4	396	480	224
1991	1	4	576	700	242
1992	1	4	1,116	1,140	340
1993	1	5	1,386	1,470	580
1994	1	6	1,656	1,800	599
1995	1	7	1,656	1,800	1,055
1996	2	10	2,916	3,120	1,309
1997	3	13	3,276	3,340	1,328
1998	3	16	3,636	3,780	1,482
1999	3	19	4,356	4,660	1,955
2000	4	20	4,626	4,880	2,066
2001	4	23	5,076	4,990	2,136
2002	5	30	6,066	6,090	2,443
2003	5	34	6,516	6,310	2,435
2004	5	42	6,976	7,190	2,451
2005	5	45	7,336	7,630	2,511
2006	5	49	8,056	8,070	2,520
2007	5	52	8,596	9,060	2,721
2008	5	59	9,136	9,500	2,739
2009	5	61	9,436	9,610	2,777
2010	5	71	9,916	11,040	2,879
2011	5	83	10,276	11,040	3,023
2012	6	89	10,636	11,040	3,558
2013	6	89	11,356	11,810	3,530
2014	7	95	14,056	14,450	4,240
2015	7	103	14,056	14,450	4,439
2016	7	107	14,056	14,560	4,672
2017	7	115	14,056	14,560	4,790
2018	7	115	15,376	15,770	4,854
2019	8	116	15,360	15,720	4,908
2020	8	122	15,360	15,720	4,945
2021	8	122	15,360	15,720	5,027
2022	8	122	15,420	15,720	5,105
2023	8	122	15,420	15,830	5,178
2024	8	122	15,420	15,830	5,206

주: 한국가스공사 설비만 반영

자료: 한국가스공사

Note: Includes only Korea Gas Corporation's facilities

Source: Korea Gas Corporation

## 4. 용도별 도시가스 소비

## 4. City Gas Consumption by Use

단위: TJ

Unit: TJ

	합계 Total	가정용 Residential		일반용 General	업무용 Business		산업용 Industrial	열병합·열전용 CHP & Heat-only	수송용 Transport	연료전지용 Fuel cell
		취사 Cooking	난방 Space Heating		난방 Space Heating	공조 Air Conditioning				
1990	42,350	6,156	12,868	2,092	11,413	-	9,820	-	-	-
1991	64,487	8,261	25,616	2,759	14,745	-	13,106	-	-	-
1992	92,912	10,725	44,248	3,231	18,919	-	15,789	-	-	-
1993	129,736	13,275	67,092	4,035	22,028	-	19,258	4,046	-	-
1994	173,279	17,356	93,947	4,595	24,232	3,393	25,138	4,618	-	-
1995	234,202	20,970	132,044	5,646	29,964	3,531	36,125	5,921	-	-
1996	298,056	25,873	167,128	7,146	36,406	5,048	48,481	7,974	-	-
1997	347,003	29,933	191,848	7,853	36,681	7,859	62,623	10,204	-	-
1998	360,212	33,658	189,505	10,474	33,946	6,952	75,898	9,779	-	-
1999	448,634	36,183	231,724	14,796	40,717	8,364	105,950	10,900	-	-
2000	535,465	39,684	268,172	30,162	36,944	10,290	138,512	11,701	-	-
2001	565,018	42,511	272,340	36,050	39,199	11,824	150,750	11,884	460	-
2002	619,443	46,371	293,138	44,663	40,652	11,768	166,809	12,705	3,337	-
2003	658,170	49,188	307,971	53,092	41,822	12,004	174,898	13,100	6,096	-
2004	688,928	50,732	310,847	60,871	44,212	14,381	183,466	14,505	9,914	-
2005	760,292	53,523	337,685	69,300	54,249	16,013	194,913	20,406	14,204	-
2006	774,371	56,275	330,263	73,743	53,235	15,735	202,936	22,291	19,893	-
2007	799,669	59,474	324,966	77,026	52,654	17,568	217,710	24,651	25,620	-
2008	837,677	60,068	324,989	78,008	54,090	16,166	244,874	27,421	32,061	-
2009	844,988	62,591	324,096	77,889	54,284	16,020	243,129	27,364	39,615	-
2010	955,933	64,558	353,746	81,166	56,862	18,184	302,496	33,038	45,883	-
2011	999,341	67,866	348,973	81,243	53,076	15,518	346,005	38,193	48,465	-
2012	1,071,393	69,401	354,208	83,327	53,297	14,827	394,242	50,060	52,032	-
2013	1,075,012	66,632	345,706	83,611	34,378	30,062	414,627	45,632	54,366	-
2014	992,047	65,764	316,230	82,260	30,716	26,211	378,897	37,244	54,725	-
2015	931,231	66,782	316,953	82,492	31,182	27,292	319,554	33,151	53,826	-
2016	952,146	66,188	337,719	85,293	32,369	31,176	315,543	30,707	53,152	-
2017	1,006,699	61,454	367,193	89,632	32,464	31,843	336,662	34,975	52,477	-
2018	1,087,868	59,175	397,216	94,199	32,459	32,939	377,974	42,067	51,840	-
2019	1,040,349	76,462	362,278	95,101	29,869	30,285	357,557	29,645	50,893	8,261
2020	1,004,217	67,023	389,350	84,274	25,963	27,452	327,108	24,364	45,994	12,689
2021	1,063,975	66,397	398,489	84,663	26,321	29,842	366,761	26,533	44,363	20,607
2022	1,086,970	65,029	415,167	92,425	25,720	30,813	360,612	28,846	42,934	25,424
2023	1,011,154	64,030	371,066	95,599	22,736	29,288	325,762	22,748	41,359	38,565
2024	1,013,034	61,222	358,226	97,078	21,719	30,441	329,693	19,963	39,072	55,619

주: 2019년 이전에는 열병합에 연료전지용을 합산

자료: 한국도시가스협회

Note: Prior to 2019, fuel cell consumption was included in CHP.

Source: Korea City Gas Association

## 5. 부문별 도시가스 소비

단위: TJ

	발전 및 열생산 투입 Power and Heat Generation	전환 자체소비 <sup>1</sup> Transform ation own use <sup>1</sup>	최종소비 TFC	산업 <sup>2</sup> Industry <sup>2</sup>							
				농림어업 Agriculture , Forestry and Fisheries	제조업 Manufactu ring	식품 및 담배 Food & tobacco	섬유 및 가죽 Textile & leather	목재 및 나무제품 Wood & wood products	제지 및 인쇄 Paper, pulp & print	화학 및 석유화학 Chemical & petrochemical	
1990	-	-	42,350	9,821	2	9,818	447	524	1	101	542
1991	-	-	64,487	13,106	3	13,103	597	699	1	134	723
1992	-	-	92,780	15,793	9	15,784	645	827	0	191	1,050
1993	4,046	-	125,691	19,258	18	19,241	673	1,138	5	297	1,171
1994	4,618	-	168,703	25,177	18	25,158	795	1,778	62	667	1,436
1995	5,921	-	228,283	36,126	18	36,094	1,292	2,748	115	902	2,272
1996	7,974	-	290,085	48,481	8	48,450	1,604	3,744	107	1,005	3,209
1997	10,204	-	336,308	62,573	9	62,509	1,651	5,481	121	1,283	4,620
1998	9,779	-	350,436	75,898	9	75,842	2,831	9,627	114	1,603	6,867
1999	10,900	-	437,738	105,951	30	105,856	6,039	12,345	79	2,550	8,979
2000	11,701	-	523,759	138,504	532	137,899	7,387	17,900	80	2,764	13,370
2001	9,223	-	545,574	151,209	941	150,192	7,972	18,383	79	2,742	13,932
2002	9,557	-	598,917	166,811	786	166,017	10,512	18,503	137	2,804	16,740
2003	10,462	-	636,885	174,898	973	173,919	11,504	18,029	223	2,678	18,704
2004	11,062	-	666,193	183,470	1,036	182,427	11,340	17,599	1,522	2,750	18,314
2005	20,406	-	739,893	194,914	1,144	193,765	10,986	16,668	361	3,154	18,858
2006	22,291	-	752,087	202,937	1,165	201,773	10,578	16,155	663	3,839	16,673
2007	24,768	-	778,716	218,749	69	218,676	17,258	13,411	1,641	5,404	31,810
2008	27,817	-	821,937	248,404	259	248,143	20,246	18,742	1,838	8,095	48,458
2009	27,758	-	829,412	246,634	185	246,448	21,544	18,700	2,633	9,820	45,093
2010	33,514	-	936,200	306,857	192	306,653	25,051	22,603	2,219	12,736	69,019
2011	38,744	-	975,004	350,994	172	350,796	27,632	24,620	2,036	16,863	92,413
2012	50,204	-	1,024,273	395,377	243	395,098	29,063	23,741	1,990	18,112	90,008
2013	44,504	-	1,045,539	421,206	157	421,026	29,105	15,664	2,159	18,246	135,661
2014	37,472	57,182	899,656	321,715	143	321,517	29,319	15,744	3,240	13,508	67,345
2015	33,176	11,659	891,995	315,629	124	315,445	29,359	15,246	2,520	9,834	58,244
2016	30,707	3,367	918,072	312,177	126	311,997	29,758	13,540	1,205	10,777	42,362
2017	33,220	3,411	968,052	332,989	139	332,823	29,676	12,995	1,227	10,567	41,795
2018	42,067	49,625	996,177	328,349	150	328,193	33,321	10,349	2,213	10,896	83,501
2019	29,645	35,525	966,918	322,031	187	321,838	33,801	11,109	1,123	12,485	75,091
2020	24,364	19,591	947,573	307,517	43	307,468	35,454	9,572	1,015	12,742	74,381
2021	26,533	37,892	978,944	328,869	104	328,765	38,095	10,069	1,173	12,967	82,867
2022	28,846	34,698	998,003	325,914	144	325,770	38,406	9,447	1,327	12,807	80,481
2023	22,748	24,352	925,489	301,410	156	301,254	36,718	7,393	1,213	11,809	66,281
2024 <sup>9</sup>	19,963	28,937	908,516	300,757	152	300,605	36,052	6,835	865	12,179	73,317

1. 코크스, 연탄 및 석유정제품 제조

2. 광업 포함

## 5. City Gas Consumption by Sector

Unit: TJ

비금속광물 Non-metallic minerals	철강 Iron & steel	비철금속 Non-ferrous metals	기계류 Machinery	수송장비 Transport equipment	기타제조 Other manufactur ing	건설업 Construction	수송 Transport	가정 Residential	상업·공공 Commercial & Public	
1,554	2,684	-	3,573	-	393	-	-	19,024	13,506	1990
2,074	3,582	-	4,768	-	524	-	-	33,877	17,505	1991
2,493	4,307	-	5,423	-	848	-	-	55,911	21,076	1992
2,990	5,258	-	6,671	-	1,038	-	-	80,369	26,064	1993
3,662	7,139	-	8,238	-	1,381	-	-	111,304	32,221	1994
4,541	8,759	-	11,629	-	3,836	-	-	153,016	39,142	1995
4,761	11,304	-	17,751	-	4,965	-	-	193,002	48,601	1996
6,120	14,400	-	21,518	-	7,316	-	-	221,250	52,486	1997
6,557	15,564	-	19,339	-	13,340	3	-	223,166	51,372	1998
8,901	21,049	-	25,493	-	20,420	3	-	267,910	63,877	1999
10,535	27,089	-	30,207	-	28,566	1	-	307,858	77,397	2000
11,087	29,943	-	30,937	-	35,117	-	308	315,104	78,953	2001
11,486	30,109	-	32,901	-	42,826	8	3,333	339,514	89,259	2002
12,878	33,355	-	33,483	-	43,064	7	6,098	357,160	98,729	2003
14,103	37,051	-	37,151	-	42,596	7	9,916	361,589	111,218	2004
14,907	40,698	-	39,700	-	48,434	5	14,204	391,212	139,563	2005
21,460	43,202	-	39,645	-	49,557	0	19,893	386,542	142,714	2006
19,682	51,041	6,985	18,619	28,150	24,675	3	25,742	386,274	147,951	2007
17,446	52,285	7,790	28,426	26,080	18,735	3	32,523	390,608	150,401	2008
18,510	51,887	9,196	27,891	20,423	20,750	1	40,186	392,262	150,330	2009
19,091	61,137	8,606	32,134	24,989	29,067	12	46,544	424,334	158,465	2010
19,845	58,291	10,745	38,139	31,132	29,080	25	49,164	422,849	151,997	2011
23,954	55,796	9,980	36,654	32,374	73,426	35	52,182	424,828	151,886	2012
25,677	57,616	12,069	33,937	41,696	49,195	20	54,519	419,678	150,136	2013
23,695	53,037	10,740	45,580	30,251	29,057	55	54,696	382,703	140,543	2014
22,856	48,374	14,614	42,685	31,481	40,232	60	53,646	382,271	140,449	2015
21,915	49,875	12,705	42,993	28,061	58,807	53	53,152	403,906	148,837	2016
22,351	51,837	11,622	45,466	23,829	81,457	27	52,477	428,647	153,939	2017
22,976	51,869	16,631	50,549	32,055	13,833	6	51,840	456,391	159,597	2018
24,182	51,602	15,823	52,330	29,185	15,106	5	50,893	438,740	155,254	2019
22,215	43,121	19,894	53,911	26,696	8,465	5	45,994	456,373	137,689	2020
23,148	45,891	20,745	58,321	28,226	7,262	-	44,363	464,885	140,826	2021
22,283	45,054	20,983	59,524	28,182	7,274	-	42,934	480,197	148,957	2022
20,570	45,533	20,321	57,662	27,174	6,580	-	41,359	435,096	147,624	2023
18,463	43,276	19,487	55,998	26,247	7,885	-	39,072	419,448	149,239	2024 <sup>P</sup>

1. Production of coke oven coke, briquet and oil refinery products

2. Includes mining and quarrying

## 6. 지역별 도시가스 수요가 수

	합계 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
가구수 (천 세대)									
1996	12,221	3,456	1,140	759	740	386	392	349	-
1997	12,775	3,500	1,158	770	769	399	408	361	-
1998	13,001	3,473	1,173	779	789	412	418	367	-
1999	13,291	3,502	1,188	790	804	421	427	373	-
2000	13,919	3,550	1,200	806	824	430	439	385	-
2001	14,291	3,608	1,211	816	840	440	450	397	-
2002	14,691	3,662	1,220	827	866	449	463	407	-
2003	15,365	3,726	1,236	845	886	461	480	348	-
2004	15,896	3,790	1,251	853	902	470	492	356	-
2005	16,717	3,883	1,271	866	927	482	506	365	-
2006	17,190	3,991	1,289	875	958	495	518	373	-
2007	17,641	4,058	1,301	884	988	504	526	381	-
2008	18,103	4,109	1,312	895	1,007	513	532	390	-
2009	18,481	4,128	1,324	906	1,018	524	538	394	-
2010	19,173	4,221	1,371	935	1,050	541	556	406	-
2011	19,331	4,193	1,381	941	1,068	549	566	413	-
2012	19,686	4,216	1,390	949	1,087	556	576	422	-
2013	19,894	4,182	1,405	960	1,108	564	585	432	53
2014	20,302	4,199	1,422	971	1,125	573	593	442	63
2015	20,572	4,190	1,438	982	1,143	580	597	452	82
2016	20,943	4,190	1,451	994	1,160	586	606	455	94
2017	21,349	4,219	1,468	1,007	1,177	593	615	459	109
2018	21,696	4,262	1,480	1,021	1,201	603	625	462	124
2019	22,147	4,326	1,498	1,031	1,227	616	635	469	135
2020	22,749	4,416	1,530	1,057	1,256	634	653	477	144
2021	23,187	4,426	1,545	1,064	1,286	646	664	483	154
2022	23,404	4,446	1,556	1,071	1,310	652	673	486	159
2023	23,628	4,470	1,565	1,081	1,339	655	680	491	161
2024	23,847	4,482	1,570	1,104	1,362	658	688	495	163
수요가 수 (천 개)									
1996	4,903	2,103	284	235	350	138	146	93	-
1997	5,631	2,352	314	271	430	165	162	103	-
1998	6,350	2,554	358	297	494	184	178	123	-
1999	7,055	2,753	401	324	522	214	214	141	-
2000	7,734	2,927	437	355	588	229	242	165	-
2001	8,456	3,078	474	389	641	247	270	187	-
2002	9,202	3,194	510	442	707	273	296	211	-
2003	9,840	3,313	565	500	738	293	319	233	-
2004	10,408	3,387	621	492	771	298	334	218	-
2005	10,966	3,444	674	519	796	320	348	244	-
2006	11,511	3,488	729	555	817	344	396	258	-
2007	12,038	3,526	797	582	848	370	420	268	-
2008	12,635	3,565	860	627	873	414	443	295	-
2009	13,146	3,612	909	663	896	445	462	312	-
2010	13,882	3,783	952	700	934	474	485	328	-
2011	14,487	3,868	1,002	732	977	501	514	346	-
2012	15,054	3,921	1,059	775	973	524	530	364	-
2013	15,628	3,992	1,122	813	992	544	543	379	28
2014	16,130	4,013	1,178	849	1,017	571	553	395	45
2015	16,617	4,049	1,228	891	1,042	556	562	409	65
2016	17,177	4,106	1,271	935	1,067	573	572	418	75
2017	17,747	4,160	1,320	963	1,092	589	581	427	89
2018	18,306	4,186	1,367	984	1,116	602	593	434	100
2019	18,815	4,250	1,419	1,001	1,135	618	604	445	108
2020	19,257	4,310	1,461	1,028	1,144	632	622	457	111
2021	19,641	4,358	1,495	1,036	1,165	646	634	464	112
2022	19,992	4,408	1,509	1,044	1,184	659	643	471	114
2023	20,242	4,444	1,523	1,054	1,208	666	643	477	112
2024	20,420	4,441	1,531	1,066	1,215	672	658	487	110
보급률(%)	85.6	99.1	97.5	96.5	89.2	102.1	95.7	98.4	67.5

주: 가정용 도시가스 수요가수임

자료: 한국도시가스협회

## 6. Number of City Gas Customers by Region

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
Number of Households (1,000 households)									
2,569	337	261	403	366	316	386	362	-	1996
2,738	350	272	420	376	327	553	375	-	1997
2,788	362	284	433	390	361	564	408	-	1998
2,886	372	291	444	401	365	570	457	-	1999
2,993	381	309	633	410	370	576	614	-	2000
3,130	388	317	645	417	374	633	626	-	2001
3,332	396	325	657	423	379	639	646	-	2002
3,540	406	438	692	432	412	726	738	-	2003
3,694	415	450	736	529	416	737	803	-	2004
3,855	425	462	756	537	483	798	898	205	2005
4,020	434	476	774	545	489	822	921	208	2006
4,190	442	489	796	552	497	838	985	212	2007
4,283	480	587	813	561	505	893	1,010	215	2008
4,365	489	599	828	657	513	944	1,035	218	2009
4,533	505	617	854	701	507	1,083	1,069	225	2010
4,579	513	625	868	704	534	1,093	1,110	194	2011
4,614	518	636	889	736	643	1,107	1,152	197	2012
4,675	522	644	858	744	684	1,122	1,190	168	2013
4,781	594	656	871	751	710	1,136	1,242	174	2014
4,869	602	670	886	760	739	1,142	1,264	177	2015
4,998	630	681	902	766	768	1,153	1,321	187	2016
5,112	639	689	923	774	783	1,163	1,341	278	2017
5,297	646	707	942	795	793	1,179	1,360	198	2018
5,462	672	722	959	805	805	1,197	1,385	203	2019
5,661	690	746	983	825	824	1,226	1,418	209	2020
5,835	753	761	1,002	835	834	1,248	1,439	213	2021
5,906	697	772	1,020	844	839	1,261	1,494	216	2022
5,959	701	780	1,035	850	843	1,267	1,503	247	2023
6,051	706	788	1,052	852	849	1,263	1,515	248	2024
Number of Customers (1,000 customers)									
1,018	51	67	22	109	99	72	115	-	1996
1,216	62	82	35	125	108	84	124	-	1997
1,442	73	93	43	142	114	107	149	-	1998
1,666	86	104	54	159	119	130	166	-	1999
1,884	91	118	70	171	124	146	186	-	2000
2,130	100	140	91	187	132	175	214	-	2001
2,381	116	158	109	209	144	198	254	-	2002
2,569	126	173	132	226	153	222	278	-	2003
2,729	138	185	161	246	171	304	356	-	2004
2,894	149	196	189	266	180	341	405	1	2005
3,024	161	219	225	288	193	378	433	5	2006
3,142	173	246	255	310	201	417	478	5	2007
3,273	188	268	291	335	217	454	527	6	2008
3,385	208	286	324	354	235	482	567	7	2009
3,587	223	316	356	379	247	507	601	10	2010
3,717	233	334	393	409	268	534	648	11	2011
3,875	246	357	434	436	283	570	693	12	2012
4,005	259	380	447	461	309	603	735	16	2013
4,089	275	405	477	483	334	637	791	18	2014
4,200	284	425	512	502	358	675	840	21	2015
4,350	302	429	552	521	382	711	891	23	2016
4,494	318	452	596	534	402	742	963	26	2017
4,669	340	472	634	557	423	777	1,024	28	2018
4,791	363	488	660	572	447	800	1,085	29	2019
4,870	383	509	688	592	471	829	1,120	32	2020
4,956	404	526	711	611	491	856	1,140	36	2021
5,049	419	537	742	627	509	870	1,161	45	2022
5,088	431	549	769	632	526	889	1,182	49	2023
5,094	442	564	790	645	537	905	1,208	53	2024
84.2	62.6	71.6	75.1	75.6	63.3	71.6	79.7	21.5	보급률(%)

Note: Number of households using city gas

Source: Korea City Gas Association

## 7. 도시가스 가격

단위: 원/㎥

	KOGAS 공급 가격 KOGAS Price			도시가스사 공급 비용 City Gas Suppliers' Margin								
	원료비 Material Cost	공급비용 Other Cost	공급가격 Sales Price	평균 Average	취사 Cooking	주택난방 Residential Space Heating	업무난방 Office Space Heating	일반용 Commercial		냉방용 (5~9월) Space Cooling	산업용 Industrial	수송용 Transport
								일반용(1) Commer cial(1)	일반용(2) Commer cial(2)			
1988. 6. 1	122.56	18.17	140.73	142.00	169.27	125.22	125.22	169.27		125.22	-	-
12. 1	110.83	18.17	129.00	142.00	169.27	125.22	125.22	169.27		125.22	-	-
1989. 1. 1	105.71	17.34	123.05	142.00	169.27	169.27	125.22	125.22		125.22	-	-
6. 1	101.91	39.03	140.94	93.46	143.91	143.91	79.75	79.75		79.75	71.01	-
1990. 5. 1	106.49	39.03	145.52	74.68	139.33	65.14	139.33	139.33		139.33	58.70	-
1991. 7. 1	119.12	39.03	158.15	59.38	126.70	52.51	126.70	126.70		126.70	35.84	-
1992. 7. 1	122.46	50.87	173.33	59.38	113.47	52.08	105.46	105.46		105.46	20.66	-
1994.11. 1	125.72	50.87	176.59	59.38	110.24	51.98	62.85	106.47		40.62	23.37	-
1995. 8. 1	125.35	61.00	186.35	59.38	110.24	51.98	62.85	106.47		40.62	23.37	-
1997. 3.25	155.43	59.43	214.83	58.38	109.24	50.98	61.85	105.47		40.62	22.37	-
12	216.92	59.40	276.32	58.38	109.24	50.98	61.85	105.47		40.62	22.37	-
1998. 1.24	254.56	59.40	313.96	58.38	109.24	50.98	61.85	105.47		40.62	22.37	-
8. 1	222.32	91.64	313.96	58.38	109.24	50.98	61.85	105.47		40.62	22.37	-
10. 1	203.18	91.64	294.82	58.38	109.24	50.98	61.85	105.47	61.85	40.62	22.37	-
1999. 1. 1	195.97	91.64	287.61	58.38	109.24	50.98	61.85	105.47	61.85	61.85	40.62	-
4. 1	175.68	91.64	267.32	58.38	109.24	50.98	61.85	105.47	61.85	40.62	22.37	-
10. 1	201.10	88.52	289.62	58.38	109.24	50.98	61.85	105.47	61.85	40.62	22.37	-
2000. 1. 1	221.60	88.52	310.12	58.38	109.24	50.98	61.85	105.47	...	40.62	22.37	-
5. 1	251.38	88.52	339.90	53.49	105.21	46.95	57.82	101.44	57.82	36.59	18.34	-
9. 1	251.38	88.71	340.09	53.49	105.21	46.95	57.82	101.44	57.82	36.59	18.34	-
10. 1	276.16	88.71	364.87	53.49	105.21	46.95	57.82	101.44	57.82	36.59	18.34	-
2001. 1. 1	314.94	84.88	399.82	53.49	105.21	46.95	57.82	101.44	57.82	36.59	18.34	107.35
4. 1	335.08	84.88	419.96	45.03	42.38	43.72	54.90	98.52	54.90	33.67	15.42	106.33
2002. 1. 1	276.41	78.08	354.49	43.09	35.89	41.34	52.90	96.52	52.90	31.67	15.42	106.33
11. 1	294.41	78.08	372.49	43.09	35.89	43.34	52.90	96.52	52.90	31.67	15.42	106.33
2003. 1. 1	305.08	71.84	376.92	43.09	35.89	43.34	52.90	96.52	52.90	31.67	15.42	106.33
3. 1	325.88	74.35	400.23	43.09	35.89	41.34	52.90	96.52	52.90	31.67	15.42	106.33
7. 1	317.83	74.35	392.18	43.09	35.89	41.34	52.90	96.52	52.90	31.67	15.42	106.33
9. 1	299.71	74.35	374.06	43.09	35.89	41.34	52.90	96.52	52.90	31.67	15.42	106.33
2004. 1. 1	321.56	72.52	394.08	43.09	35.89	41.34	52.90	96.52	52.90	31.67	15.42	106.33
9. 1	348.96	72.52	421.48	43.09	35.89	41.34	52.90	96.52	52.90	31.67	15.42	106.33
11. 1	377.86	72.52	450.38	43.09	35.89	41.34	52.90	96.52	52.90	31.67	15.42	106.33

1. 소비자 가격은 서울시 기준

주: 2012년 7월 이후는 열량당 가격임

자료: 한국도시가스협회



## 7. City Gas Prices

Unit: KRW/m³

소비자가격 <sup>1</sup> Retail Prices <sup>1</sup>									
평균 Average	취사 Cooking	주택난방 Residential Space Heating	업무난방 Office Space Heating	일반용 Commercial		냉방용 (5-9월) Space Cooling	산업용 Industrial	수송용 Transport	
				일반용(1) Commercial(1)	일반용(2) Commercial(2)				
282.73	310.00	265.95	265.95	310.00		265.95	265.95	-	1988. 6. 1
271.00	298.27	254.22	254.22	298.27		298.27	254.22	-	12.
265.05	292.32	292.32	248.27	248.27		248.27	248.27	-	1989. 1. 1
234.40	284.85	284.85	220.69	220.69		220.69	211.95	-	6. 1
220.20	284.85	210.66	284.85	284.85		284.85	204.22	-	1990. 5. 1
217.53	284.85	210.66	284.85	284.85		179.64	193.99	-	1991. 7. 1
232.71	295.47	225.41	304.79	304.79		179.64	193.99	-	1992. 7. 1
235.97	299.61	228.57	...	309.06		182.54	196.70	-	1994.11. 1
245.73	301.90	243.64	...	309.06		165.97	196.70	-	1995. 8. 1
273.21	333.68	275.42	...	322.30		165.97	209.94	-	1997. 3.25
334.70	402.76	344.50	...	391.38		165.97	256.06	-	12
372.34	441.13	382.87	...	492.75		165.97	294.43	-	1998. 1.24
372.34	439.32	381.06	391.93	387.75		202.21	287.29	-	8. 1
353.20	420.18	361.92	372.79	368.61	324.99	202.21	268.15	-	10. 1
345.99	412.97	354.71	365.58	361.40	317.78	202.21	260.94	-	1999. 1. 1
325.70	392.68	334.42	345.29	341.11	297.49	202.21	240.65	-	4. 1
348.00	418.10	359.84	370.71	366.53	322.91	202.21	250.59	-	10. 1
368.50	438.60	380.34	391.21	387.03	343.41	202.21	271.09	-	2000. 1. 1
393.39	464.35	406.09	416.96	412.78	369.16	198.18	296.84	-	5. 1
393.58	470.34	412.08	422.95	406.45	362.83	198.18	296.84	-	9. 1
418.36	495.12	436.86	447.73	431.23	387.61	198.18	321.62	-	10. 1
453.31	530.01	471.75	482.62	466.12	422.50	198.18	356.51	442.52	2001. 1. 1
464.99	487.32	488.66	499.84	483.34	439.72	195.26	373.73	461.64	4. 1
397.58	419.51	424.96	436.52	418.62	375.00	232.72	320.03	407.94	2002. 1. 1
415.58	437.51	442.96	454.52	436.62	393.00	232.72	338.03	425.94	11. 1
420.01	441.79	447.24	458.80	441.46	397.84	232.72	349.01	436.92	2003. 1. 1
443.32	465.95	471.40	482.96	463.51	419.89	232.72	370.81	485.72	3. 1
135.27	457.90	463.35	474.91	455.46	411.84	232.72	362.76	450.67	7. 1
417.15	439.78	445.23	456.79	437.34	393.72	232.72	344.64	432.55	9. 1
437.17	460.00	465.45	477.01	458.34	414.41	259.54	365.99	453.90	2004. 1. 1
464.57	487.40	492.85	504.41	485.43	441.81	259.54	393.39	481.30	9. 1
493.47	516.30	521.75	533.31	514.33	470.71	259.54	422.29	510.20	11. 1

1. Retail prices in Seoul

Note: The price is based on MJ since July 2012

Source: Korea City Gas Association

## 7. 도시가스 가격(계속)

단위: 원/㎥

	KOGAS 공급 가격 KOGAS Price			도시가스사 공급 비용 City Gas Suppliers' Margin								
	원료비 Material Cost	공급비용 Other Cost	공급가격 Sales Price	평균 Average	취사 Cooking	주택난방 Residential Space Heating	업무난방 Office Space Heating	일반용 Commercial		냉방용 (5~9월) Space Cooling	산업용 Industrial	수송용 Transport
								일반용(1) Commer cial(1)	일반용(2) Commer cial(2)			
2005. 1. 1	368.84	66.98	435.82	43.09	35.89	41.34	52.90	96.52	52.90	31.67	15.42	108.02
3. 1	329.26	66.03	395.29	43.09	35.89	41.34	52.90	96.52	52.90	31.67	15.42	108.02
5. 1	348.02	66.03	414.05	43.09	35.89	41.34	52.90	96.52	52.90	31.67	15.42	108.02
6. 1	348.02	59.35	407.37	43.09	35.89	41.34	52.90	96.52	52.90	31.67	15.42	108.02
7. 1	361.10	59.35	420.45	43.09	35.89	41.34	52.90	96.52	52.90	31.67	15.42	108.02
11. 1	385.00	59.35	444.35	43.09	35.89	41.34	52.90	96.52	52.90	31.67	15.42	108.02
2006. 1. 1	414.46	60.85	475.31	44.58	35.89	41.34	52.90	96.52	52.90	31.67	15.42	108.02
7. 1	454.33	60.85	515.18	47.82	39.13	44.58	56.14	99.76	56.14	34.91	18.66	108.02
9. 1	502.73	60.85	563.58	47.82	39.13	44.58	56.14	99.76	56.14	34.91	18.66	108.02
11. 1	461.68	60.85	522.53	47.82	39.13	44.58	56.14	99.76	56.14	34.91	18.66	108.02
2007. 1. 1	442.35	59.45	501.80	47.82	39.13	44.58	56.14	99.76	56.14	34.91	18.66	108.02
3. 1	428.29	59.45	487.74	47.82	39.13	44.58	56.14	99.76	56.14	34.91	18.66	108.02
5. 1	451.00	59.45	510.45	47.82	39.13	44.58	56.14	99.76	56.14	34.91	18.66	108.02
7. 1	467.47	59.45	526.92	47.82	39.13	44.58	56.14	99.76	56.14	34.91	18.66	108.02
9. 1	507.94	59.45	567.39	47.82	39.13	44.85	56.14	99.76	56.14	34.91	18.66	113.02
11. 1	524.10	59.45	583.55	47.82	39.13	44.85	56.14	99.76	56.14	34.91	18.66	113.02
2008. 1. 1	504.08	63.10	567.18	47.82	39.13	44.85	56.14	99.76	56.14	34.91	18.66	113.02
11	546.08	63.10	609.18	47.82	39.13	44.85	56.14	99.76	56.14	34.91	18.66	113.02
2009. 6. 27	597.96	59.43	657.39	50.33	41.64	47.09	58.65	102.27	58.65	37.42	21.17	115.53
2010. 9. 1	624.61	67.81	692.42	48.63	40.20	45.65	57.21	100.83	57.21	35.98	19.73	115.53
11. 1	588.50	67.81	656.31	48.63	40.20	45.65	57.21	100.83	57.21	35.98	19.73	112.09
2011. 1. 1	623.38	67.81	691.19	48.63	40.20	45.65	57.21	100.83	57.21	35.98	19.73	112.09
5. 1	673.65	53.00	726.65	48.63	40.20	45.65	57.21	100.83	57.21	35.98	19.73	112.09
10. 10	715.06	53.00	768.06	47.72	39.86	45.31	56.87	100.49	56.87	35.64	19.73	111.75
2012. 6. 30	757.37	50.99	808.36	47.72	39.86	45.31	56.87	100.49	56.87	35.64	19.73	111.75

1. 소비자 가격은 서울시 기준

주: 2012년 7월 이후는 열량당 가격임

자료: 한국도시가스협회

## 7. City Gas Prices(Continued)

Unit: KRW/m³

소비자가격 <sup>1</sup> Retail Prices <sup>1</sup>									
평균 Average	취사 Cooking	주택난방 Residential Space Heating	업무난방 Office Space Heating	일반용 Commercial		냉방용 (5~9월) Space Cooling	산업용 Industrial	수송용 Transport	
				일반용(1) Commercial(1)	일반용(2) Commercial(2)				
478.91	500.29	505.74	517.30	503.30	459.68	274.26	410.84	500.44	2005. 1. 1
438.38	459.76	465.21	476.77	462.77	419.15	274.26	370.31	459.91	3. 1
457.14	478.52	483.97	495.53	481.53	437.91	274.26	389.07	478.67	5. 1
450.46	471.84	477.29	488.85	474.85	431.23	274.26	382.39	471.99	6. 1
463.54	484.92	490.37	501.93	487.93	444.31	274.26	395.47	487.07	7. 1
487.44	508.82	514.27	525.83	511.83	468.21	274.26	419.37	508.97	11. 1
519.89	537.92	543.37	554.93	545.99	502.37	329.04	454.72	544.32	2006. 1. 1
563.00	581.03	586.48	598.04	589.10	545.48	332.28	497.83	584.19	7. 1
611.40	629.43	634.88	646.44	637.50	593.88	332.28	546.23	632.59	9. 1
570.35	588.38	593.83	605.39	596.45	552.83	332.28	505.18	591.54	11. 1
549.62	571.13	576.58	588.14	580.64	537.02	363.79	481.60	567.96	2007. 1. 1
535.56	557.07	562.52	574.08	566.58	522.96	363.79	467.54	553.90	3. 1
558.27	579.78	585.23	596.79	589.29	545.67	363.79	490.25	576.61	5. 1
574.74	596.25	601.70	613.26	605.76	562.14	363.79	506.72	593.08	7. 1
615.21	636.72	642.17	653.73	646.23	602.61	363.79	547.19	638.55	9. 1
631.37	652.88	658.33	669.89	662.39	618.77	363.79	563.35	654.71	11. 1
615.00	640.68	646.13	657.69	645.68	602.06	400.19	545.29	636.65	2008. 1. 1
657.00	671.68	677.13	710.69	698.68	655.06	400.19	598.29	689.65	11
707.72	708.88	714.33	778.28	763.49	719.87	433.81	659.95	751.31	2009. 6. 27
741.05	749.94	755.39	816.92	795.71	752.09	484.45	684.14	773.50	2010. 9. 1
704.94	713.83	719.28	780.81	759.60	715.98	484.45	647.05	737.39	11. 1
739.82	748.71	754.16	815.69	794.48	750.86	484.45	681.93	772.27	2011. 1. 1
775.28	785.77	791.22	833.08	829.13	785.51	521.23	829.75	820.51	5. 1
815.78	826.84	832.29	874.15	870.20	826.58	535.45	771.16	861.58	10. 10
856.08	868.67	874.12	908.73	908.87	865.25	567.18	814.07	904.54	2012. 6. 30

1. Retail prices in Seoul

Note: The price is based on MJ since July 2012

Source: Korea City Gas Association

## 7. 도시가스 가격(계속)

단위: 원/MJ

	KOGAS 평균 공급 가격 KOGAS average price			KOGAS 공급 가격 KOGAS price								
	원료비 Material Cost	공급비용 Other Cost	공급가격 Sales Price	주택용 Residential		업무난방용 Office Space Heating	일반용 Commercial			냉난방공조용 Cooling/Heating		
				취사 Cooking	난방 Space Heating		동절기 12~3	하절기 6~9	기타월 4,5, 10,11	동절기 12~3	하절기 5~9	기타월 4,10,11
2012. 7. 1	17.39	1.17	18.56	19.03	19.03	19.56	18.76	18.57	18.57	19.52	12.21	18.64
2013. 2.22	18.25	1.17	19.42	19.89	19.89	20.42	19.62	19.42	19.42	20.37	12.85	19.50
8. 1	18.25	1.28	19.53	20.11	20.11	20.49	19.67	19.46	19.49	20.37	12.85	19.87
2014. 1. 1	19.45	1.28	20.73	21.32	21.32	21.69	20.87	20.66	20.69	21.57	13.75	21.07
7. 1	19.23	1.29	20.52	21.09	21.09	21.46	20.64	20.44	20.47	21.34	13.50	20.84
9. 1	19.23	1.29	20.52	21.09	21.09	21.46	20.64	20.44	20.47	21.34	13.50	20.84
11. 1	19.23	1.29	20.52	21.09	21.09	21.46	20.64	20.44	20.47	21.34	13.50	20.84
2015. 1. 1	17.95	1.29	19.24	19.81	19.81	20.19	19.36	19.16	19.19	20.06	12.55	19.57
3. 1	15.89	1.29	17.18	17.99	17.99	17.90	17.08	16.87	16.90	17.78	10.80	17.28
5. 1	13.74	1.54	15.29	16.38	16.38	16.61	15.10	14.84	14.85	16.13	8.78	15.06
7. 1	13.74	1.54	15.29	16.38	16.38	16.61	15.10	14.84	14.85	16.13	8.78	15.06
9. 1	14.46	1.54	16.00	17.10	17.10	17.33	15.82	15.56	15.57	16.85	9.31	15.78
11. 1	14.46	1.54	16.00	17.10	17.10	17.33	15.82	15.56	15.57	16.85	9.31	15.78
2016. 1. 1	12.91	1.54	14.46	15.55	15.55	15.78	14.27	14.01	14.02	15.30	8.15	14.23
3. 1	11.42	1.54	12.97	14.06	14.06	14.30	12.78	12.53	12.54	13.81	7.04	12.74
5. 1	10.34	1.82	12.17	13.40	13.40	13.65	11.92	11.61	11.61	13.22	6.23	11.66
7. 1	10.34	1.82	12.17	13.40	13.40	13.65	11.92	11.61	11.61	13.22	6.23	11.66
11. 1	11.16	1.82	12.99	14.22	14.22	14.46	12.74	12.42	12.42	14.03	6.84	12.48
2017. 1. 1	11.16	1.82	12.99	14.22	14.22	14.46	12.74	12.42	12.42	14.03	7.31	12.48
3. 1	11.60	1.82	13.43	14.66	14.66	14.90	13.18	12.86	12.86	14.47	7.64	12.92
5. 1	12.27	1.61	13.88	14.95	14.95	15.03	13.60	13.36	13.41	14.34	8.14	13.96
9. 1	12.27	1.61	13.88	14.95	14.95	15.03	13.60	13.36	13.41	14.34	8.14	13.96
11. 1	10.86	1.61	12.47	13.54	13.54	13.62	12.18	11.95	12.00	12.92	8.14	12.54
2018. 1. 1	10.86	1.61	12.47	13.54	13.54	13.62	12.18	11.95	12.00	12.92	8.14	12.54
3. 1	10.86	1.61	12.47	13.54	13.54	13.62	12.18	11.95	12.00	12.92	8.14	12.54
5. 1	11.63	1.28	12.64	13.54	13.54	13.66	12.18	11.95	12.00	13.28	8.52	12.69
7. 1	11.95	1.28	13.23	14.12	14.12	14.24	12.77	12.54	12.59	13.87	8.96	13.28
2019. 5. 1	11.93	1.28	13.21	14.12	14.12	14.24	12.77	12.54	12.59	13.87	8.96	13.28
7. 8	12.65	1.20	13.86	14.71	14.71	14.98	13.48	13.24	13.29	14.61	8.96	14.03
2020. 7. 1	10.44	1.42	11.86	12.93	12.93	13.03	11.44	11.25	11.27	12.57	7.01	11.72
8. 1	10.44	1.42	11.86	12.93	12.93	13.34	11.44	11.25	11.27	12.88	7.24	12.03
9. 1	10.44	1.42	11.86	12.93	12.93	12.12	11.44	11.25	11.27	11.66	6.33	10.82
10. 1	10.44	1.42	11.86	12.93	12.93	11.16	11.44	11.25	11.27	10.70	5.61	9.86
11. 1	10.44	1.42	11.86	12.93	12.93	11.09	11.44	11.25	11.27	10.63	5.56	9.79
12. 1	10.44	1.42	11.86	12.93	12.93	11.91	11.44	11.25	11.27	11.45	6.17	10.60

주: 2012년 7월 이후는 열량당 가격임

자료: 한국도시가스협회

## 7. City Gas Prices(Continued)

Unit: KRW/MJ

					도시가스사 공급비용 City Gas Suppliers' Margin										
산업용 Industrial			수송용 Transport	연료전지 Fuel cell	평균 Average	주택용 Residential		업무 난방용 Office Space Heating	일반용(1) Commercial(1)			일반용(2) Commercial(2)			
동절기 12~3	하절기 6~9	기타월 4,5, 10,11				취사 Cooking	난방 Space Heating		동절기 12~3	하절기 6~9	기타월 4,5, 10,11	동절기 12~3	하절기 6~9	기타월 4,5, 10,11	
18.60	18.07	18.07	18.21	-	1.10	0.92	1.04	1.31	2.31	2.31	2.31	1.31	1.31	1.31	2012. 7. 1
19.45	18.92	18.92	19.06	-	1.10	0.92	1.04	1.31	2.31	2.31	2.31	1.31	1.31	1.31	2013. 2.22
19.42	18.91	18.96	19.05	-	1.10	0.92	1.04	1.31	2.31	2.31	2.31	1.31	1.31	1.31	8. 1
20.62	20.11	20.16	20.26	-	1.10	0.92	1.04	1.31	2.31	2.31	2.31	1.31	1.31	1.31	2014. 1. 1
20.39	19.89	19.94	20.03	-	1.10	0.92	1.04	1.31	2.31	2.31	2.31	1.31	1.31	1.31	7. 1
20.39	19.89	19.94	20.03	-	1.23	1.11	1.11	1.38	2.38	2.38	2.38	1.38	1.38	1.38	9. 1
20.39	19.89	19.94	20.03	-	1.23	1.11	1.11	1.38	2.38	2.38	2.38	1.38	1.38	1.38	11. 1
19.11	18.61	18.66	18.75	-	1.23	1.11	1.11	1.38	2.38	2.38	2.38	1.38	1.38	1.38	2015. 1. 1
16.83	16.32	16.37	16.47	-	1.23	1.11	1.11	1.38	2.38	2.38	2.38	1.38	1.38	1.38	3. 1
14.96	14.21	14.23	14.44	-	1.23	1.11	1.11	1.38	2.38	2.38	2.38	1.38	1.38	1.38	5. 1
14.96	14.21	14.23	14.44	-	1.23	1.11	1.11	1.38	2.38	2.38	2.38	1.38	1.38	1.38	7. 1
15.68	14.93	14.95	15.16	-	1.23	1.11	1.11	1.38	2.38	2.38	2.38	1.38	1.38	1.38	9. 1
15.68	14.93	14.95	15.16	-	1.23	1.11	1.11	1.38	2.38	2.38	2.38	1.38	1.38	1.38	11. 1
14.13	13.38	13.40	13.61	-	1.26	1.14	1.14	1.41	2.41	2.41	2.41	1.41	1.41	1.41	2016. 1. 1
12.65	11.89	11.91	12.12	-	1.26	1.14	1.14	1.41	2.41	2.41	2.41	1.41	1.41	1.41	3. 1
11.75	10.87	10.87	11.14	-	1.26	1.14	1.14	1.41	2.41	2.41	2.41	1.41	1.41	1.41	5. 1
11.75	10.87	10.87	11.14	-	1.26	1.14	1.14	1.41	2.41	2.41	2.41	1.41	1.41	1.41	7. 1
12.57	11.68	11.68	11.96	-	1.26	1.14	1.14	1.41	2.41	2.41	2.41	1.41	1.41	1.41	11. 1
12.57	11.68	11.68	11.96	-	1.26	1.14	1.14	1.41	2.41	2.41	2.41	1.41	1.41	1.41	2017. 1. 1
13.01	12.13	12.13	12.40	-	1.26	1.14	1.14	1.41	2.41	2.41	2.41	1.41	1.41	1.41	3. 1
13.51	12.77	12.91	13.04	-	1.26	1.14	1.14	1.41	2.41	2.41	2.41	1.41	1.41	1.41	5. 1
13.51	12.77	12.91	13.04	-	1.35	1.22	1.22	1.49	2.49	2.49	2.49	1.49	1.49	1.49	9. 1
12.10	11.35	11.49	11.62	-	1.35	1.22	1.22	1.49	2.49	2.49	2.49	1.49	1.49	1.49	11. 1
12.10	11.35	11.49	11.62	-	1.35	1.22	1.22	1.49	2.49	2.49	2.49	1.49	1.49	1.49	2018. 1. 1
12.10	11.35	11.49	11.62	-	1.35	1.22	1.22	1.49	2.49	2.49	2.49	1.49	1.49	1.49	3. 1
12.44	11.81	11.88	12.01	-	1.35	1.22	1.22	1.49	2.49	2.49	2.49	1.49	1.49	1.49	5. 1
13.03	12.39	12.47	12.60	-	1.35	1.22	1.22	1.49	2.49	2.49	2.49	1.49	1.49	1.49	7. 1
13.03	12.39	12.47	12.60	11.62	1.35	1.22	1.22	1.49	2.49	2.49	2.49	1.49	1.49	1.49	2019. 5. 1
13.75	13.11	13.19	13.32	12.34	1.35	1.22	1.22	1.49	2.49	2.49	2.49	1.49	1.49	1.49	7. 8
11.69	10.89	10.95	10.87	9.87	1.43	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	2020. 7. 1
12.00	11.20	11.26	11.17	10.19	1.43	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	8. 1
10.78	9.98	10.04	9.96	8.97	1.43	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	9. 1
9.82	9.02	9.08	9.00	8.00	1.43	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	10. 1
9.75	8.95	9.01	8.93	7.93	1.43	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	11. 1
10.57	9.77	9.83	9.74	8.75	1.43	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	12. 1

Note: The price is based on MJ since July 2012

Source: Korea City Gas Association

## 7. 도시가스 가격(계속)

단위: 원/MJ

	도시가스사 공급비용 City Gas Suppliers' Margin								소비자 가격 <sup>1</sup> Retail Prices <sup>1</sup>						
	냉난방공조용 Cooling/Heating			산업용 Industrial			수송용 Transport	연료전지 Fuel cell	평균 Average	주택용 Residential		업무 난방용 Office Space Heating	일반용(1) Commercial(1)		
	동절기 12~3	하절기 5~9	기타월 4,10,11	동절기 12~3	하절기 6~9	기타월 4,5, 10,11				취사 Cookin g	난방 Space Heating		동절기 12~3	하절기 6~9	기타월 4,5, 10,11
2012. 7. 1	1.31	0.82	1.31	0.45	0.45	0.45	0.45	-	19.66	19.95	20.08	20.87	21.07	20.87	20.87
2013. 2.22	1.31	0.82	1.31	0.45	0.45	0.45	0.45	-	20.52	20.81	20.93	21.73	21.93	21.73	21.73
8. 1	1.31	0.82	1.31	0.45	0.45	0.45	0.45	-	20.63	21.03	21.15	21.79	21.97	21.77	21.80
2014. 1. 1	1.31	0.82	1.31	0.45	0.45	0.45	0.45	-	21.83	22.23	22.36	22.99	23.17	22.97	23.00
7. 1	1.31	0.82	1.31	0.45	0.45	0.45	0.45	-	21.61	22.01	22.13	22.77	22.95	22.75	22.78
9. 1	1.38	0.89	1.38	0.68	0.68	0.68	0.68	-	21.75	22.21	22.21	22.84	23.02	22.82	22.85
11. 1	1.38	0.89	1.38	0.68	0.68	0.68	0.68	-	21.75	22.21	22.21	22.84	23.02	22.82	22.85
2015. 1. 1	1.38	0.89	1.38	0.68	0.68	0.68	0.68	-	20.47	20.93	20.93	21.57	21.75	21.54	21.57
3. 1	1.38	0.89	1.38	0.68	0.68	0.68	0.68	-	18.41	19.10	19.10	19.28	19.46	19.26	19.28
5. 1	1.38	0.89	1.38	0.68	0.68	0.68	0.68	-	16.52	17.49	17.49	18.00	17.48	17.23	17.24
7. 1	1.38	0.89	1.38	0.68	0.68	0.68	0.68	-	16.52	17.49	17.49	18.00	17.48	17.23	17.24
9. 1	1.38	0.89	1.38	0.68	0.68	0.68	0.68	-	17.24	18.21	18.21	18.71	18.20	17.95	17.96
11. 1	1.38	0.89	1.38	0.68	0.68	0.68	0.68	-	17.24	18.21	18.21	18.71	18.20	17.95	17.96
2016. 1. 1	1.41	0.92	1.41	0.71	0.71	0.71	0.68	-	15.72	16.69	16.69	17.19	16.68	16.43	16.43
3. 1	1.41	0.92	1.41	0.71	0.71	0.71	0.68	-	14.23	15.20	15.20	15.71	15.19	14.94	14.95
5. 1	1.41	0.92	1.41	0.71	0.71	0.71	0.68	-	13.43	14.55	14.55	15.05	14.33	14.02	14.02
7. 1	1.41	0.92	1.41	0.71	0.71	0.71	0.68	-	13.43	14.55	14.55	15.05	14.33	14.02	14.02
11. 1	1.41	0.92	1.41	0.71	0.71	0.71	0.68	-	14.25	15.36	15.36	15.87	15.15	14.83	14.83
2017. 1. 1	1.41	0.92	1.41	0.71	0.71	0.71	0.68	-	14.25	15.36	15.36	15.87	15.15	14.83	14.83
3. 1	1.41	0.92	1.41	0.71	0.71	0.71	0.68	-	14.69	15.80	15.80	16.31	15.59	15.28	15.28
5. 1	1.41	0.92	1.41	0.71	0.71	0.71	0.68	-	15.14	16.09	16.09	16.44	16.01	15.77	15.82
9. 1	1.49	1.00	1.49	0.79	0.79	0.79	0.76	-	15.23	16.17	16.17	16.52	16.09	15.85	15.90
11. 1	1.49	1.00	1.49	0.79	0.79	0.79	0.76	-	13.82	14.76	14.76	15.11	14.67	14.44	14.49
2018. 1. 1	1.49	1.00	1.49	0.79	0.79	0.79	0.76	-	13.82	14.76	14.76	15.11	14.67	14.44	14.49
3. 1	1.49	1.00	1.49	0.79	0.79	0.79	0.76	-	13.82	14.76	14.76	15.11	14.67	14.44	14.49
5. 1	1.49	1.00	1.49	0.79	0.79	0.79	0.76	-	13.99	14.76	14.76	15.14	14.67	14.44	14.49
7. 1	1.49	1.00	1.49	0.79	0.79	0.79	0.76	-	14.58	15.34	15.34	15.73	15.26	15.02	15.08
2019. 5. 1	1.49	1.00	1.49	0.79	0.79	0.79	0.76	0.69	14.58	15.34	15.34	15.73	15.26	15.02	15.08
7. 8	1.49	1.00	1.49	0.79	0.79	0.79	0.76	0.69	15.21	15.93	15.93	16.47	15.96	15.73	15.78
2020. 7. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	13.30	14.22	14.22	14.59	14.01	13.82	13.83
8. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	...	14.22	14.22	14.90	14.01	13.82	13.83
9. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	...	14.22	14.22	13.68	14.01	13.82	13.83
10. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	...	14.22	14.22	12.72	14.01	13.82	13.83
11. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	...	14.22	14.22	12.65	14.01	13.82	13.83
12. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	...	14.22	14.22	13.47	14.01	13.82	13.83

1. 소비자 가격은 서울시 기준

주: 2012년 7월 이후는 열량당 가격임

자료: 한국도시가스협회

## 7. City Gas Prices(Continued)

Unit: KRW/MJ

일반용(2) Commercial(2)			냉난방공조용 Cooling/Heating			산업용 Industrial			수송용 Transport	연료전지 Fuel cell	
동절기 12~3	하절기 6~9	기타월 4,5, 10,11	동절기 12~3	하절기 5~9	기타월 4,10,11	동절기 12~3	하절기 6~9	기타월 4,5, 10,11			
20.07	19.87	19.87	20.82	13.03	19.95	19.05	18.52	18.52	18.66	-	2012. 7. 1
20.93	20.73	20.73	21.68	13.67	20.80	19.91	19.38	19.38	19.52	-	2013. 2.22
20.97	20.77	20.80	21.67	13.67	21.17	19.87	19.37	19.42	19.51	-	8. 1
22.17	21.97	22.00	22.87	14.57	22.37	21.07	20.57	20.62	20.71	-	2014. 1. 1
21.95	21.75	21.77	22.65	14.32	22.15	20.84	20.34	20.39	20.48	-	7. 1
22.02	21.82	21.85	22.72	14.40	22.22	21.07	20.57	20.62	20.71	-	9. 1
22.02	21.82	21.85	22.72	14.40	22.22	21.07	20.57	20.62	20.71	-	11. 1
20.74	20.54	20.57	21.44	13.44	20.95	19.79	19.29	19.34	19.43	-	2015. 1. 1
18.46	18.25	18.28	19.16	11.69	18.66	17.51	17.00	17.05	17.15	-	3. 1
16.48	16.23	16.23	17.51	9.67	16.44	15.64	14.89	14.91	15.12	-	5. 1
16.48	16.23	16.23	17.51	9.67	16.44	15.64	14.89	14.91	15.12	-	7. 1
17.20	16.94	16.95	18.23	10.21	17.16	16.36	15.60	15.63	15.84	-	9. 1
18.23	10.21	17.16	18.23	10.21	17.16	16.36	15.60	15.63	15.84	-	11. 1
15.68	15.42	15.43	16.71	9.07	15.64	14.84	14.08	14.11	14.29	-	2016. 1. 1
14.19	13.94	13.94	15.22	7.96	14.15	13.35	12.60	12.62	12.80	-	3. 1
13.33	13.02	13.02	14.62	7.15	13.07	12.46	11.58	11.58	11.82	-	5. 1
13.33	13.02	13.02	14.62	7.15	13.07	12.46	11.58	11.58	11.82	-	7. 1
14.14	13.83	13.83	15.44	7.76	13.89	13.28	12.39	12.39	12.64	-	11. 1
14.14	13.83	13.83	15.44	8.23	13.89	13.28	12.39	12.39	12.64	-	2017. 1. 1
14.59	14.27	14.27	15.88	8.56	14.33	13.72	12.83	12.83	13.08	-	3. 1
15.01	14.77	14.82	15.75	9.06	15.36	14.22	13.47	13.61	13.72	-	5. 1
15.08	14.85	14.90	15.82	9.14	15.44	14.29	13.55	13.69	13.79	-	9. 1
13.67	13.44	13.49	14.41	9.14	14.03	12.88	12.14	12.28	12.38	-	11. 1
13.67	13.44	13.49	14.41	9.14	14.03	12.88	12.14	12.28	12.38	-	2018. 1. 1
13.67	13.44	13.49	14.41	9.14	14.03	12.88	12.14	12.28	12.38	-	3. 1
13.67	13.44	13.49	14.77	9.52	14.18	13.23	12.59	12.66	12.77	-	5. 1
14.26	14.02	14.08	15.36	9.96	14.77	13.82	13.18	13.25	13.36	-	7. 1
14.26	14.02	14.08	15.36	9.96	14.77	13.82	13.18	13.25	13.36	12.30	2019. 5. 1
14.96	14.73	14.78	16.10	9.96	15.52	14.54	13.90	13.97	14.08	13.02	7. 8
13.01	12.81	12.83	14.13	8.09	13.26	12.55	11.75	11.81	11.70	10.63	2020. 7. 1
13.01	12.81	12.83	14.44	8.32	13.59	12.86	12.06	12.12	12.01	10.95	8. 1
13.01	12.81	12.83	13.22	7.40	12.38	11.64	10.84	10.90	10.79	9.73	9. 1
13.01	12.81	12.83	12.26	6.68	11.42	10.68	9.88	9.94	9.83	8.76	10. 1
13.01	12.81	12.83	12.19	6.63	11.35	10.61	9.81	9.88	9.76	8.69	11. 1
13.01	12.81	12.83	13.01	7.24	12.16	11.43	10.63	10.69	10.58	9.51	12. 1

1. Retail price in Seoul.

Note: The price is based on MJ since July 2012

Source: Korea City Gas Association

## 7. 도시가스 가격(계속)

단위: 원/MJ

	KOGAS 평균 공급 가격 KOGAS average price			KOGAS 공급 가격 KOGAS price								
	원료비 Material Cost	공급비용 Other Cost	공급가격 Sales Price	주택용 Residential		업무난방용 Office Space Heating	일반용 Commercial			냉난방공조용 Cooling/Heating		
				취사 Cooking	난방 Space Heating		동절기 12~3	하절기 6~9	기타월 4,5, 10,11	동절기 12~3	하절기 5~9	기타월 4,10,11
2021. 1. 1	10.44	1.42	11.86	12.93	12.93	12.44	11.44	11.25	11.27	11.98	6.57	11.13
2. 1	10.44	1.42	11.86	12.93	12.93	13.25	11.44	11.25	11.27	12.79	7.18	11.94
3. 1	10.44	1.42	11.86	12.93	12.93	14.30	11.44	11.25	11.27	13.84	7.97	13.00
4. 1	11.17	1.42	12.59	12.93	12.93	14.52	11.44	11.25	11.27	14.06	8.13	13.21
5. 1	10.25	1.68	11.93	12.93	12.93	13.43	11.53	11.25	11.27	12.88	7.30	11.76
6. 1	10.53	1.68	12.20	12.93	12.93	13.43	11.53	11.25	11.27	13.45	7.72	12.33
7. 1	10.81	1.68	12.49	12.93	12.93	14.59	11.53	11.25	11.27	14.04	8.17	12.92
8. 1	11.33	1.68	13.01	12.93	12.93	15.67	11.53	11.25	11.27	15.12	8.98	14.00
9. 1	11.75	1.68	13.42	12.93	12.93	16.53	11.53	11.25	11.27	15.98	9.62	14.86
10. 1	12.09	1.68	13.77	12.93	12.93	17.24	11.53	11.25	11.27	16.69	10.16	15.57
11. 1	13.35	1.68	15.03	12.93	12.93	19.82	11.53	11.25	11.27	19.26	12.09	18.15
12. 1	14.41	1.68	16.09	12.93	12.93	22.01	11.53	11.25	11.27	21.46	13.73	20.34
2022. 1. 1	15.30	1.68	16.98	12.93	12.93	23.83	11.53	11.25	11.27	23.28	15.10	22.16
2. 1	15.04	1.68	16.72	12.93	12.93	23.33	11.53	11.25	11.27	22.78	14.72	21.66
3. 1	15.04	1.68	16.72	12.93	12.93	23.33	11.53	11.25	11.27	22.78	14.72	21.66
4. 1	16.03	1.68	17.71	13.36	13.36	24.91	11.96	11.68	11.70	24.36	15.91	23.24
5. 1	14.84	1.65	16.49	14.59	14.59	21.12	13.17	12.93	12.95	20.64	13.00	19.72
6. 1	14.87	1.65	16.52	14.59	14.59	21.19	13.17	12.93	12.95	20.70	13.05	19.78
7. 1	16.47	1.65	18.12	15.70	15.70	23.31	14.28	14.04	14.06	22.83	14.64	21.91
8. 1	19.39	1.65	21.04	15.70	15.70	29.36	14.28	14.04	14.06	28.87	19.18	27.95
9. 1	20.87	1.65	22.52	15.70	15.70	32.43	14.28	14.04	14.06	31.95	21.48	31.02
10. 1	23.05	1.65	24.71	18.40	18.40	34.06	16.98	16.74	16.76	33.57	22.70	32.65
11. 1	22.92	1.65	24.57	18.40	18.40	33.77	16.98	16.74	16.76	33.29	22.49	32.37
12. 1	23.36	1.65	25.01	18.40	18.40	34.69	16.98	16.74	16.76	34.20	23.17	33.28
2023. 1. 1	22.41	1.65	24.06	18.40	18.40	32.72	16.98	16.74	16.76	32.23	21.70	31.31
2. 1	22.19	1.65	23.84	18.40	18.40	32.27	16.98	16.74	16.76	31.79	21.36	30.87
3. 1	21.64	1.65	23.30	18.40	18.40	31.13	16.98	16.74	16.76	30.65	20.51	29.73
4. 1	18.71	1.65	20.37	18.40	18.40	25.06	16.98	16.74	16.76	24.58	15.95	23.65
5. 1	17.14	1.84	18.99	18.40	18.40	21.97	16.98	16.74	16.76	21.77	13.78	20.73
6. 1	17.55	1.84	19.40	19.44	19.44	21.69	18.00	17.79	17.80	21.49	13.57	20.45
7. 1	17.92	1.84	19.77	19.44	19.44	22.46	18.00	17.79	17.80	22.26	14.15	21.22
8. 1	17.35	1.84	19.20	19.44	19.44	21.69	18.00	17.79	17.80	21.07	13.25	20.03
9. 1	17.28	1.84	19.13	19.44	19.44	21.12	18.00	17.79	17.80	20.92	13.14	19.88
10. 1	17.62	1.84	19.47	19.44	19.44	21.83	18.00	17.79	17.80	21.63	13.67	20.59
11. 1	16.86	1.84	18.70	19.44	19.44	20.23	18.00	17.79	17.80	20.03	12.47	18.99
12. 1	17.40	1.80	19.30	19.40	19.40	21.50	18.00	17.80	17.80	21.30	13.40	20.20

주: 2012년 7월 이후는 열량당 가격임

자료: 한국도시가스협회



## 7. City Gas Prices(Continued)

Unit: KRW/MJ

					도시가스사 공급비용 City Gas Suppliers' Margin											
산업용 Industrial			수송용 Transport	연료전지 Fuel cell	평균 Average	주택용 Residential		업무 난방용 Office Space Heating	일반용(1) Commercial(1)			일반용(2) Commercial(2)				
동절기 12~3	하절기 6~9	기타월 4,5, 10,11					취사 Cooking	난방 Space Heating		동절기 12~3	하절기 6~9	기타월 4,5, 10,11	동절기 12~3	하절기 6~9		기타월 4,5, 10,11
11.10	10.30	10.36	10.27	9.32	1.43	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	2021. 1. 1	
11.91	11.11	11.17	11.08	10.13	1.43	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56		2. 1
12.96	12.16	12.22	12.14	11.18	1.43	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56		3. 1
13.18	12.38	12.44	12.35	11.40	1.43	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	4. 1	
11.87	10.89	10.94	10.86	10.09	1.43	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	5. 1	
12.44	11.45	11.51	11.43	10.66	1.43	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	6. 1	
13.03	12.05	12.10	12.02	11.25	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	7. 1	
14.11	13.13	13.18	13.10	12.33	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	8. 1	
14.97	13.99	14.04	13.96	13.19	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	9. 1	
15.68	14.70	14.75	14.67	13.90	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	10. 1	
18.25	17.27	17.33	17.24	17.19	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	11. 1	
20.45	19.47	19.52	19.44	19.39	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	12. 1	
22.27	21.29	21.34	21.26	21.54	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	2022. 1. 1	
21.77	20.79	20.84	20.76	20.54	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56		2. 1
21.77	20.79	20.84	20.76	20.54	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56		3. 1
23.35	22.37	22.42	22.34	22.24	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	4. 1	
19.69	18.78	18.85	18.73	17.46	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	5. 1	
19.75	18.84	18.92	18.79	17.49	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	6. 1	
21.88	20.97	21.04	20.91	19.60	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	7. 1	
27.93	27.01	27.09	26.96	25.65	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	8. 1	
31.00	30.09	30.16	30.04	28.72	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	9. 1	
32.62	31.71	31.79	31.66	30.36	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	10. 1	
32.34	31.43	31.50	31.38	30.07	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	11. 1	
33.26	32.34	32.42	32.29	30.99	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	12. 1	
31.28	30.37	30.45	30.32	29.03	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	2023. 1. 1	
30.84	29.93	30.00	29.88	28.58	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56		2. 1
29.70	28.79	28.86	28.74	27.44	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56		3. 1
23.63	22.72	22.79	22.67	21.37	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	4. 1	
20.62	19.72	19.77	19.69	17.93	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	5. 1	
20.34	19.44	19.49	19.41	17.64	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	6. 1	
21.11	20.21	20.26	20.18	18.42	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	7. 1	
19.92	19.01	19.07	18.99	17.22	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	8. 1	
19.77	18.86	18.91	18.83	17.07	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	9. 1	
20.48	19.57	19.63	19.55	17.78	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	10. 1	
18.88	17.97	18.03	17.95	16.18	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	11. 1	
20.10	19.20	19.30	19.20	17.40	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	12. 1	

Note: The price is based on MJ since July 2012

Source: Korea City Gas Association

## 7. 도시가스 가격(계속)

단위: 원/MJ

	도시가스사 공급비용 City Gas Suppliers' Margin								소비자 가격 <sup>1</sup> Retail Prices <sup>1</sup>						
	냉난방공조용 Cooling/Heating			산업용 Industrial			수송용 Transport	연료전지 Fuel cell	평균 Average	주택용 Residential		업무 난방용 Office Space Heating	일반용(1) Commercial(1)		
	동절기 12~3	하절기 5~9	기타월 4,10,11	동절기 12~3	하절기 6~9	기타월 4,5, 10,11				취사 Cookin g	난방 Space Heating		동절기 12~3	하절기 6~9	기타월 4,5, 10,11
2021. 1. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	...	14.22	14.22	14.00	14.01	13.82	13.83
2. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	...	14.22	14.22	14.81	14.01	13.82	13.83
3. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	...	14.22	14.22	15.86	14.01	13.82	13.83
4. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	14.03	14.22	14.22	16.08	14.01	13.82	13.83
5. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	13.36	14.22	14.22	14.99	14.10	13.82	13.83
6. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	13.64	14.22	14.22	14.99	14.10	13.82	13.83
7. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	13.91	14.22	14.22	16.15	14.10	13.82	13.83
8. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	14.43	14.22	14.22	17.23	14.10	13.82	13.83
9. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	14.84	14.22	14.22	18.09	14.10	13.82	13.83
10. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	15.19	14.22	14.22	18.80	14.10	13.82	13.83
11. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	16.45	14.22	14.22	21.38	14.10	13.82	13.83
12. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	17.51	14.22	14.22	23.57	14.10	13.82	13.83
2022. 1. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	18.40	14.22	14.22	25.39	14.10	13.82	13.83
2. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	18.14	14.22	14.22	24.89	14.10	13.82	13.83
3. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	18.14	14.22	14.22	24.89	14.10	13.82	13.83
4. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	19.13	14.65	14.65	26.47	14.53	14.24	14.26
5. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	17.91	15.88	15.88	22.68	15.73	15.49	15.51
6. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	17.94	15.88	15.88	22.68	15.73	15.49	15.51
7. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	19.54	16.99	16.99	24.87	16.84	16.60	16.62
8. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	22.46	16.99	16.99	30.92	16.84	16.60	16.62
9. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	23.94	16.99	16.99	33.99	16.84	16.60	16.62
10. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	26.12	19.69	19.69	35.62	19.54	19.30	19.32
11. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	25.99	19.69	19.69	35.34	19.54	19.30	19.32
12. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	26.43	19.69	19.69	36.25	19.54	19.30	19.32
2023. 1. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	25.48	19.69	19.69	34.28	19.54	19.30	19.32
2. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	25.26	19.69	19.69	33.83	19.54	19.30	19.32
3. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	24.72	19.69	19.69	32.69	19.54	19.30	19.32
4. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	21.79	19.69	19.69	26.62	19.54	19.30	19.32
5. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	20.41	19.69	19.69	23.54	19.54	19.30	19.32
6. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	20.82	20.74	20.74	23.25	20.56	20.35	20.36
7. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	21.19	20.74	20.74	24.02	20.56	20.35	20.36
8. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	20.62	20.74	20.74	23.25	20.56	20.35	20.36
9. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	20.55	20.74	20.74	22.68	20.56	20.35	20.36
10. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	20.89	20.74	20.74	23.39	20.56	20.35	20.36
11. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	20.12	20.74	20.74	21.79	20.56	20.35	20.36
12. 1	1.56	1.07	1.56	0.86	0.86	0.86	0.83	0.76	20.71	20.74	20.74	23.03	20.56	20.35	20.36

1. 소비자 가격은 서울시 기준

주: 2012년 7월 이후는 열량당 가격임

자료: 한국도시가스협회

## 7. City Gas Prices(Continued)

Unit: KRW/MJ

일반용(2) Commercial(2)			냉난방공조용 Cooling/Heating			산업용 Industrial			수송용 Transport	연료전지 Fuel cell	
동절기 12~3	하절기 6~9	기타월 4,5, 10,11	동절기 12~3	하절기 5~9	기타월 4,10,11	동절기 12~3	하절기 6~9	기타월 4,5, 10,11			
13.01	12.81	12.83	13.54	7.64	12.69	11.96	11.16	11.22	11.11	10.08	2021. 1. 1
13.01	12.81	12.83	14.35	8.25	13.50	12.77	11.97	12.03	11.92	10.89	2. 1
13.01	12.81	12.83	15.40	9.04	14.56	13.82	13.02	13.08	12.97	11.94	3. 1
13.01	12.81	12.83	15.62	9.20	14.77	14.04	13.24	13.30	13.19	12.16	4. 1
13.09	12.81	12.83	14.44	8.37	13.32	12.73	11.75	11.80	11.69	10.85	5. 1
13.09	12.81	12.83	15.01	8.80	13.89	13.30	12.31	12.37	12.26	11.42	6. 1
13.09	12.81	12.83	15.60	9.24	14.48	13.89	12.91	12.96	12.85	12.01	7. 1
13.09	12.81	12.83	16.68	10.05	15.56	14.97	13.99	14.05	13.93	13.09	8. 1
13.09	12.81	12.83	17.54	10.70	16.42	15.83	14.85	14.90	14.79	13.95	9. 1
13.09	12.81	12.83	18.25	11.23	17.13	16.54	15.56	15.61	15.50	14.66	10. 1
13.09	12.81	12.83	20.82	13.16	19.71	19.11	18.13	18.19	18.08	17.95	11. 1
13.09	12.81	12.83	23.02	14.81	21.90	21.31	20.33	20.38	20.27	20.15	12. 1
13.09	12.81	12.83	24.84	16.17	23.72	23.13	22.15	22.20	22.09	22.30	2022. 1. 1
13.09	12.81	12.83	24.34	15.80	23.22	22.63	21.65	21.70	21.59	21.30	2. 1
13.09	12.81	12.83	24.34	15.80	23.22	22.63	21.65	21.70	21.59	21.30	3. 1
13.52	13.24	13.26	25.92	16.98	24.80	24.21	23.23	23.28	23.17	23.00	4. 1
14.73	14.49	14.51	22.20	14.07	21.28	20.55	19.64	19.71	19.56	18.22	5. 1
14.73	14.49	14.51	22.26	14.12	21.34	20.61	19.70	19.78	19.63	18.24	6. 1
15.84	15.60	15.62	24.39	15.71	23.46	22.74	21.83	21.90	21.75	20.36	7. 1
15.84	15.60	15.62	30.44	20.25	29.51	28.79	27.88	27.95	27.80	26.41	8. 1
15.84	15.60	15.62	33.51	22.55	32.59	31.86	30.95	31.02	30.87	29.48	9. 1
18.54	18.30	18.32	35.13	23.77	34.21	33.48	32.57	32.65	32.50	31.12	10. 1
18.54	18.30	18.32	34.85	23.56	33.93	33.20	32.29	32.36	32.21	30.83	11. 1
18.54	18.30	18.32	35.77	24.25	34.84	34.12	33.21	33.28	33.13	31.75	12. 1
18.54	18.30	18.32	33.80	22.77	32.87	32.15	31.23	31.31	31.16	29.79	2023. 1. 1
18.54	18.30	18.32	33.35	22.44	32.43	31.70	30.79	30.86	30.71	29.34	2. 1
18.54	18.30	18.32	32.21	21.58	31.29	30.56	29.65	29.72	29.57	28.20	3. 1
18.54	18.30	18.32	26.14	17.03	25.22	24.49	23.58	23.65	23.50	22.13	4. 1
18.54	18.30	18.32	23.33	14.86	22.29	21.49	20.58	20.63	20.52	18.69	5. 1
19.56	19.35	19.36	23.05	14.64	22.01	21.20	20.30	20.35	20.24	18.40	6. 1
19.56	19.35	19.36	23.82	15.22	22.78	21.97	21.07	21.12	21.01	19.18	7. 1
19.56	19.35	19.36	22.63	14.33	21.59	20.78	19.87	19.93	19.82	17.98	8. 1
19.56	19.35	19.36	22.48	14.21	21.44	20.63	19.72	19.77	19.67	17.83	9. 1
19.56	19.35	19.36	23.19	14.75	22.15	21.34	20.44	20.49	20.38	18.54	10. 1
19.56	19.35	19.36	21.59	13.55	20.55	19.74	18.84	18.89	18.78	16.94	11. 1
19.56	19.35	19.36	22.82	14.47	21.78	20.98	20.07	20.12	20.01	18.18	12. 1

1. Retail price in Seoul.

Note: The price is based on MJ since July 2012

Source: Korea City Gas Association

## 7. 도시가스 가격(계속)

단위: 원/MJ

	KOGAS 평균 공급 가격 KOGAS average price			KOGAS 공급 가격 KOGAS price								
	원료비 Material Cost	공급비용 Other Cost	공급가격 Sales Price	주택용 Residential		업무난방용 Office Space Heating	일반용 Commercial			냉난방공조용 Cooling/Heating		
				취사 Cooking	난방 Space Heating		동절기 12~3	하절기 6~9	기타월 4,5, 10,11	동절기 12~3	하절기 5~9	기타월 4,10,11
2024. 1. 1	18.38	1.84	20.22	19.44	19.44	23.43	18.00	17.79	17.80	23.23	14.87	22.18
2. 1	17.43	1.84	19.28	19.44	19.44	21.44	18.00	17.79	17.80	21.23	13.38	20.19
3. 1	17.68	1.84	19.52	19.44	19.44	21.95	18.00	17.79	17.80	21.75	13.76	20.71
4. 1	16.98	1.84	18.82	19.44	19.44	20.48	18.00	17.79	17.80	20.28	12.66	19.24
5. 1	17.49	2.06	19.55	19.44	19.44	21.73	18.00	17.79	17.80	21.24	12.76	20.11
6. 1	17.22	2.06	19.28	19.44	19.44	21.17	18.00	17.79	17.80	20.68	12.34	19.55
7. 1	17.50	2.06	19.56	19.44	19.44	21.74	18.00	17.79	17.80	21.25	12.77	20.12
8. 1	18.36	2.06	20.42	20.85	20.85	22.38	19.09	19.09	19.09	21.90	13.25	20.76
9. 1	18.44	2.06	20.50	20.85	20.85	22.55	19.09	19.09	19.09	22.06	13.38	20.93
10. 1	18.23	2.06	20.29	20.85	20.85	22.13	19.09	19.09	19.09	21.64	13.06	20.50
11. 1	18.09	2.06	20.15	20.85	20.85	21.82	19.09	19.09	19.09	21.34	12.84	20.20
12. 1	18.56	2.06	20.62	20.85	20.85	22.80	19.09	19.09	19.09	22.31	13.57	21.17

주: 2012년 7월 이후는 열량당 가격임

자료: 한국도시가스협회

## 7. City Gas Prices(Continued)

Unit: KRW/MJ

					도시가스사 공급비용 City Gas Suppliers' Margin										
산업용 Industrial			수송용 Transport	연료전지 Fuel cell	평균 Average	주택용 Residential		업무 난방용 Office Space Heating	일반용(1) Commercial(1)			일반용(2) Commercial(2)			
동절기 12~3	하절기 6~9	기타월 4,5,10,11				취사 Cooking	난방 Space Heating		동절기 12~3	하절기 6~9	기타월 4,5,10,11	동절기 12~3	하절기 6~9	기타월 4,5,10,11	
22.08	21.17	21.22	21.14	19.38	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	2024. 1. 1
20.09	19.18	19.23	19.15	17.40	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	2. 1
20.60	19.69	19.74	19.66	17.91	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	3. 1
19.13	18.23	18.28	18.20	16.44	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	4. 1
20.18	19.19	19.24	19.14	18.81	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	5. 1
19.62	18.63	18.67	18.58	18.24	1.42	1.30	1.30	1.56	2.56	2.56	2.56	1.56	1.56	1.56	6. 1
20.19	19.20	19.25	19.15	18.81	1.57	1.45	1.45	1.71	2.71	2.71	2.71	1.71	1.71	1.71	7. 1
20.25	20.25	20.25	19.79	19.59	1.57	1.45	1.45	1.71	2.71	2.71	2.71	1.71	1.71	1.71	8. 1
20.41	20.41	20.41	19.96	19.76	1.57	1.45	1.45	1.71	2.71	2.71	2.71	1.71	1.71	1.71	9. 1
19.99	19.99	19.99	19.54	19.34	1.57	1.45	1.45	1.71	2.71	2.71	2.71	1.71	1.71	1.71	10. 1
19.69	19.69	19.69	19.24	19.03	1.57	1.45	1.45	1.71	2.71	2.71	2.71	1.71	1.71	1.71	11. 1
20.66	20.66	20.66	20.21	20.01	1.57	1.45	1.45	1.71	2.71	2.71	2.71	1.71	1.71	1.71	12. 1

Note: The price is based on MJ since July 2012

Source: Korea City Gas Association



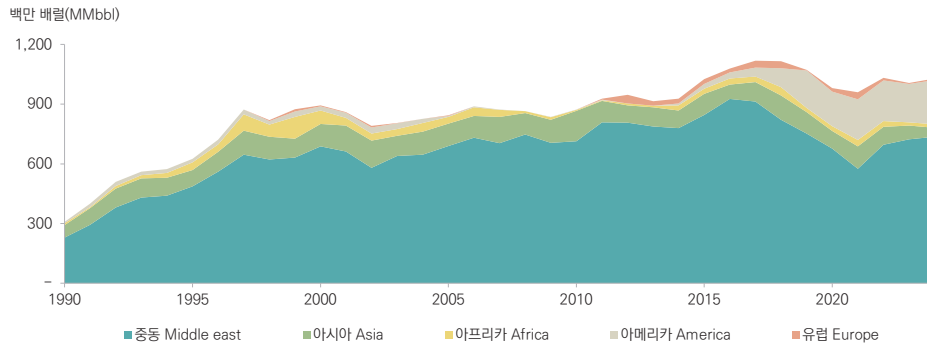






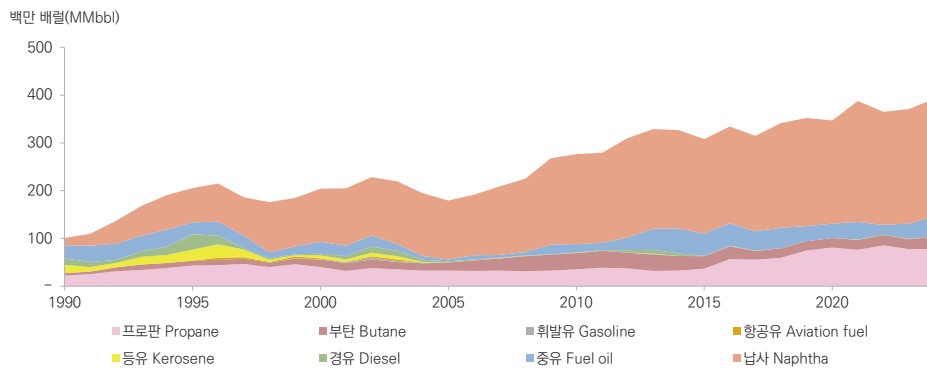
## ● 원유 수입 Crude Oil Imports

〈1990~2024p〉



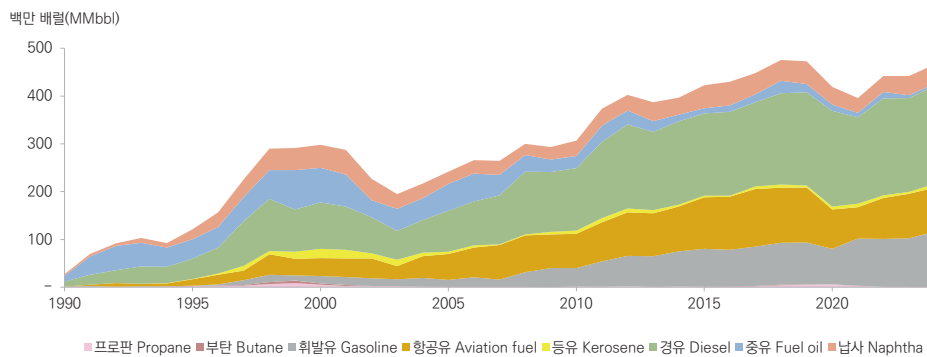
## ● 석유제품 수입 Petroleum Products Imports

〈1990~2024p〉



## ● 석유제품 수출 Petroleum Products Exports

〈1990~2024p〉



## 1. 원유 및 정제원료 수급

	생산	수입			수출	재고변화 <sup>2</sup>	일차에너지공급
	Production	Imports			Exports	Stock changes <sup>2</sup>	TPES
			원유	기타 <sup>1</sup>			
			Crude oil	Others <sup>1</sup>			
		1,000 bbl					
1990	-	310,494	308,368	2,126	-	3,469	313,963
1991	-	399,976	399,303	672	-	-1,136	398,839
1992	-	512,082	509,378	2,704	601	-1,143	510,338
1993	-	566,233	560,563	5,670	503	-1,919	563,812
1994	-	586,912	573,714	13,199	794	-10,651	575,467
1995	-	644,020	624,945	19,075	167	5,252	649,105
1996	-	737,722	721,927	15,795	1,502	-2,254	733,966
1997	-	877,676	873,415	4,261	1,430	1,218	877,464
1998	-	822,564	819,094	3,470	257	9,018	831,325
1999	-	881,320	874,090	7,230	282	-1,876	879,161
2000	-	899,809	893,943	5,866	743	-442	898,624
2001	-	868,237	859,367	8,870	770	1,998	869,465
2002	-	800,488	790,992	9,496	932	-2,585	796,972
2003	-	812,494	804,809	7,685	326	-21,284	790,885
2004	-	830,674	825,790	4,884	96	2,073	832,651
2005	407	851,327	843,203	8,124	29	10,229	861,934
2006	333	892,296	888,794	3,502	21	-7,865	884,743
2007	236	873,674	872,541	1,133	489	10,919	884,340
2008	155	866,659	864,872	1,787	1,686	1,447	866,575
2009	321	837,008	835,085	1,923	2,233	4,441	839,537
2010	380	874,666	872,415	2,251	3,330	-1,896	869,820
2011	285	928,736	927,044	1,691	4,039	-3,928	921,053
2012	263	949,058	947,292	1,766	2,473	-2,057	944,792
2013	290	918,634	915,075	3,559	1,988	-6,060	910,875
2014	198	933,736	927,524	6,213	992	-8,093	924,848
2015	115	1,030,315	1,026,107	4,208	2,400	-10,774	1,017,256
2016	104	1,084,066	1,078,119	5,947	3,597	-4,172	1,076,400
2017	217	1,124,938	1,118,167	6,770	2,447	-1,633	1,121,075
2018	189	1,126,403	1,116,281	10,122	4,124	-8,626	1,113,842
2019	155	1,075,973	1,071,923	4,050	769	5,758	1,081,117
2020	103	987,422	980,259	7,163	448	1,876	988,952
2021	36	973,734	960,147	13,587	1,782	1,928	973,916
2022	17	1,047,685	1,031,283	16,402	1,848	-3,290	1,042,564
2023	-	1,018,299	1,005,770	12,529	2,515	4,688	1,020,472
2024 <sup>p</sup>	-	1,039,832	1,029,398	10,434	2,605	1,213	1,038,440

1. 정제원료, 첨가물, 기타탄화수소

2. 기초제고-기말제고

3. 석유제품 생산(정제투입), 가스제조 등의 공정에 투입된 물량으로 음수는 이 공정을 통하여 해당 에너지상품이 생산되었음을 의미

4. 첨가물, 기타탄화수소

5. 국내 모든 정유사 정제능력의 합계

주: 원유, 정제원료, 첨가물, 기타탄화수소의 합계

## 1. Crude Oil &amp; Refinery Feedstocks Overview

전환과정 <sup>3</sup> Transformation processes <sup>3</sup>				정제능력 <sup>5</sup> Refining capacity <sup>5</sup>	
	원유 Crude oil	정제원료 Refinery feedstocks	기타 <sup>4</sup> Others <sup>4</sup>		
1,000 bbl				1,000BPSD	
313,973	312,045	1,928	-	840	1990
398,877	398,030	846	-	1,035	1991
510,450	508,619	1,830	-	1,675	1992
564,548	558,537	6,011	-	1,675	1993
576,085	563,819	12,266	-	1,700	1994
649,293	631,266	18,027	-	1,818	1995
734,715	720,131	14,584	-	2,438	1996
877,440	871,986	5,311	144	2,438	1997
833,014	825,895	7,115	3	2,438	1998
879,466	873,299	6,317	-150	2,438	1999
897,543	892,224	6,031	-712	2,438	2000
869,395	860,166	10,004	-775	2,438	2001
809,469	787,290	22,901	-722	2,438	2002
794,658	783,518	11,343	-202	2,438	2003
832,238	826,967	4,904	367	2,735	2004
860,864	852,544	7,603	717	2,735	2005
881,453	878,417	2,230	806	2,735	2006
882,291	882,409	-925	807	2,765	2007
863,787	865,680	-3,270	1,377	2,785	2008
835,024	838,419	-4,406	1,012	2,835	2009
869,469	872,263	-4,157	1,363	2,845	2010
926,980	924,447	1,399	1,134	2,934	2011
955,613	946,046	8,668	899	2,949	2012
922,923	909,539	12,673	711	2,949	2013
939,156	918,377	21,601	-822	3,009	2014
1,030,109	1,014,957	14,606	546	3,059	2015
1,085,610	1,072,234	12,643	733	3,064	2016
1,153,915	1,116,614	36,670	631	3,105	2017
1,175,276	1,106,317	68,740	219	3,204	2018
1,159,008	1,064,217	94,852	-62	3,204	2019
1,089,282	980,379	108,936	-33	3,204	2020
1,089,068	961,384	128,356	-672	3,204	2021
1,155,425	1,026,102	130,311	-988	3,204	2022
1,149,566	1,006,626	142,894	46	3,204	2023
1,178,689	1,027,499	151,761	-571	3,204	2024 <sup>P</sup>

1. It is amount input to the process of refining input, gas manufacturing, etc. Negative means that the energy commodity was produced through this process

2. Former stock-Ending stock

3. Refinery feedstocks, Additives and other hydrocarbons

4. Additives and other hydrocarbons

5. Sum of capacities of all refineries in South Korea

Note: Sum of crude oil, refinery feedstocks, additives components and other hydrocarbons

## 2. 원유 수급

## 2-1. 국별 원유 수입

단위: 천 배럴

	합계 Total (A)	중동 Middle East (B)	사우디아라비아	아랍에미레이트	이 란	쿠웨이트	오 만	카타르
			Saudi Arabia	U.A.E	Iran	Kuwait	Oman	Qatar
1990	308,368	229,017	39,616	49,877	34,287	17,069	63,686	6,610
1991	399,303	294,357	133,588	46,135	52,775	-	51,155	8,133
1992	509,378	380,452	155,104	53,206	61,276	14,372	73,725	14,505
1993	560,563	430,839	172,413	57,576	76,057	29,334	69,557	14,404
1994	573,714	439,330	177,619	48,598	82,828	27,239	48,381	14,352
1995	624,945	486,528	226,863	70,536	68,314	25,233	55,131	10,871
1996	721,927	561,098	252,665	91,620	78,067	41,134	57,413	14,424
1997	873,415	645,678	267,888	127,395	82,192	55,091	50,197	35,241
1998	819,094	622,005	234,450	122,022	67,502	66,894	57,195	34,879
1999	874,090	632,067	241,747	117,405	81,944	53,284	56,001	37,301
2000	893,943	686,916	264,925	128,064	81,251	66,627	46,632	45,722
2001	859,367	661,649	255,432	128,405	80,413	64,407	53,639	42,157
2002	790,992	579,865	240,765	105,905	51,512	56,996	42,053	35,330
2003	804,809	639,453	250,473	138,869	63,682	65,885	40,927	46,780
2004	825,790	645,183	253,849	145,598	64,974	64,659	32,832	45,581
2005	843,203	689,356	249,337	150,608	70,767	79,679	38,799	53,122
2006	888,794	730,843	261,563	158,865	75,058	92,620	36,273	49,871
2007	872,541	704,020	249,887	141,887	85,793	94,031	14,760	46,088
2008	864,872	746,458	262,637	158,109	73,016	104,593	16,670	64,402
2009	835,085	705,363	254,799	114,592	81,437	100,090	17,507	53,673
2010	872,415	713,647	276,787	105,656	72,605	103,079	12,152	64,362
2011	927,044	807,908	291,348	87,234	87,184	117,370	16,715	93,146
2012	947,292	805,971	303,049	86,536	56,146	137,647	8,761	103,825
2013	915,075	786,813	286,588	110,809	48,214	139,853	3,543	86,090
2014	927,524	778,923	292,592	108,472	44,923	136,546	6,516	100,127
2015	1,026,107	844,637	305,779	99,835	42,400	141,856	2,897	123,228
2016	1,078,119	926,201	324,448	87,743	111,942	159,273	16,317	88,150
2017	1,118,167	913,446	319,221	90,971	147,873	160,368	3,876	64,934
2018	1,116,281	820,994	323,174	72,030	58,202	162,005	1,471	65,980
2019	1,071,923	752,564	296,871	88,811	33,230	150,587	360	64,293
2020	980,259	676,409	325,808	77,563	-	129,699	3,907	59,735
2021	960,147	574,430	281,774	56,809	-	101,721	6,574	50,610
2022	1,031,283	695,122	339,567	85,235	-	103,656	3,529	48,212
2023	1,005,770	723,134	327,603	109,866	-	96,195	4,911	67,782
2024	1,029,398	736,192	331,025	140,641	-	79,824	6,422	57,055

1. 중동 비중

자료: 한국석유공사

## 2. Crude Oil Overview

## 2-1. Crude Oil Imports by Country

Unit: Thousand barrels

아시아 Asia	러시아 Russia	카자흐스탄 Kazakhstan	호주 Australia	아프리카 Africa	아메리카 America	유럽 Europe	중동의존도(%) <sup>1</sup> Dependence on Middle East <sup>1</sup> (B/A)	
62,530	214	-	689	9,689	7,132	-	74.3	1990
82,695	570	-	1,674	5,551	16,701	-	73.7	1991
95,033	1,653	-	-	12,822	21,071	-	74.7	1992
96,233	2,009	-	1,819	15,790	17,702	-	76.9	1993
91,083	2,135	-	3,880	23,225	20,075	-	76.6	1994
82,050	2,464	-	4,939	37,911	18,456	-	77.9	1995
98,631	855	-	5,445	37,024	25,174	-	77.7	1996
121,372	764	-	8,851	82,126	23,580	660	73.9	1997
113,494	3,539	-	14,252	61,907	17,594	4,095	75.9	1998
93,517	3,763	-	15,495	109,560	27,896	11,050	72.3	1999
112,669	9,946	-	34,990	67,749	21,365	5,245	76.8	2000
130,033	18,685	-	32,879	39,155	25,469	3,061	77.0	2001
136,756	15,049	4,121	39,552	35,877	30,282	8,212	73.3	2002
100,721	7,025	4,247	25,396	34,156	28,543	1,936	79.5	2003
116,287	8,517	-	32,068	42,874	21,447	-	78.1	2004
111,937	8,305	-	31,879	34,424	5,363	2,124	81.8	2005
110,306	13,973	-	34,652	42,814	4,831	-	82.2	2006
131,273	38,129	-	39,101	35,557	1,690	-	80.7	2007
108,482	23,463	-	34,499	9,932	-	-	86.3	2008
116,379	28,037	-	34,423	11,608	1,734	-	84.5	2009
152,354	50,160	-	31,735	4,592	1,823	-	81.8	2010
108,402	32,971	-	15,101	2,772	2,796	5,166	87.1	2011
88,190	30,551	-	7,723	9,233	314	43,585	85.1	2012
97,047	40,107	-	15,992	8,096	329	22,790	86.0	2013
88,623	34,480	7,690	20,861	25,301	10,053	24,625	84.0	2014
106,263	51,096	13,310	17,694	26,691	23,255	25,261	82.3	2015
72,756	39,360	4,299	12,049	30,496	30,080	18,587	85.9	2016
97,233	38,570	26,501	11,679	28,189	44,453	34,847	81.7	2017
122,832	39,323	55,434	11,092	40,901	95,094	36,461	73.5	2018
107,943	30,740	57,933	7,886	19,928	187,735	3,753	70.2	2019
88,493	46,929	18,928	14,564	24,549	173,044	17,765	69.0	2020
113,932	53,748	32,662	22,009	32,000	204,188	35,597	59.8	2021
91,418	20,983	47,599	20,668	27,703	204,604	12,436	67.4	2022
69,224	-	38,758	24,581	16,048	192,408	4,956	71.9	2023
44,840	-	11,529	26,525	17,973	222,043	8,350	71.5	2024

1. Proportion of the Middle East.

Source: Korea National Oil Corporation.

## 2-2. 원유 수입 가격

	수입량 Import Volume	수입액 Import Costs		
		총액 Total (A)	수송비용 <sup>1</sup> Transport <sup>1</sup> (C=A-B)	본선인도가격 Free on Board(FOB) (B)
	1,000 bbl	1,000 USD		
1990	308,368	6,461,664	297,946	6,163,717
1991	399,303	7,835,451	427,093	7,408,357
1992	509,378	9,448,897	384,961	9,063,936
1993	560,563	9,298,248	436,426	8,861,822
1994	573,714	8,919,438	406,419	8,513,019
1995	624,945	10,824,510	514,755	10,309,755
1996	721,927	14,516,826	682,806	13,834,020
1997	873,415	17,767,557	930,388	16,837,169
1998	819,094	11,238,878	800,729	10,438,149
1999	874,090	14,784,286	685,258	14,099,029
2000	893,943	25,226,819	1,052,966	24,173,853
2001	859,367	21,368,018	1,107,855	20,260,163
2002	790,992	19,173,386	708,090	18,465,296
2003	804,809	23,123,105	1,008,946	22,114,159
2004	825,790	29,873,681	1,390,108	28,483,573
2005	843,203	42,603,658	1,337,869	41,265,789
2006	888,794	55,846,131	1,556,918	54,289,213
2007	872,541	60,517,382	1,310,452	59,206,930
2008	864,872	84,995,324	2,125,208	82,870,116
2009	835,085	50,735,145	1,218,139	49,517,006
2010	872,415	68,683,539	1,400,522	67,283,018
2011	927,044	100,116,991	1,544,820	98,572,171
2012	947,292	106,843,353	1,631,759	105,211,595
2013	915,075	99,072,428	1,462,899	97,609,528
2014	927,524	93,906,987	1,532,531	92,374,457
2015	1,026,107	54,679,322	1,790,586	52,888,736
2016	1,078,119	44,289,848	1,628,017	42,661,831
2017	1,118,167	59,660,483	1,616,572	58,043,911
2018	1,116,281	79,790,402	1,676,386	78,114,015
2019	1,071,923	70,222,972	1,962,470	68,260,502
2020	980,259	44,427,432	2,117,756	42,309,677
2021	960,147	67,690,685	1,609,966	66,080,720
2022	1,031,283	105,378,658	2,252,028	103,126,631
2023	1,005,770	86,442,353	2,397,986	84,044,366
2024	1,029,398	85,269,108	2,369,867	82,899,241

1. 총액-본선인도가격. 운송비와 보험료의 합

2. 수입 총액 중 수송비용의 비중

자료: 한국석유공사

## 2-2. Costs of Crude Oil Imports

수입단가 Import Unit Prices			수송비용비중 <sup>2</sup> Weight of Transport <sup>2</sup> (C/A)	
합계 Total (D)	수송비용 <sup>1</sup> Transport <sup>1</sup> (D-E)	본선인도가격 Free on Board(FOB) (E)		
USD/bbl			%	
20.95	0.97	19.99	4.6	1990
19.62	1.07	18.55	5.5	1991
18.55	0.76	17.79	4.1	1992
16.59	0.78	15.81	4.7	1993
15.55	0.71	14.84	4.6	1994
17.32	0.82	16.50	4.8	1995
20.11	0.95	19.16	4.7	1996
20.34	1.07	19.28	5.2	1997
13.72	0.98	12.74	7.1	1998
16.91	0.78	16.13	4.6	1999
28.22	1.18	27.04	4.2	2000
24.86	1.29	23.58	5.2	2001
24.24	0.90	23.34	3.7	2002
28.73	1.25	27.48	4.4	2003
36.18	1.68	34.49	4.7	2004
50.53	1.59	48.94	3.1	2005
62.83	1.75	61.08	2.8	2006
69.36	1.50	67.86	2.2	2007
98.28	2.46	95.82	2.5	2008
60.75	1.46	59.30	2.4	2009
78.73	1.61	77.12	2.0	2010
108.00	1.67	106.33	1.5	2011
112.79	1.72	111.07	1.5	2012
108.27	1.60	106.67	1.5	2013
101.24	1.65	99.59	1.6	2014
53.29	1.75	51.54	3.3	2015
41.08	1.51	39.57	3.7	2016
53.36	1.45	51.91	2.7	2017
71.48	1.50	69.98	2.1	2018
65.51	1.83	63.68	2.8	2019
45.32	2.16	43.16	4.8	2020
70.50	1.68	68.82	2.4	2021
102.18	2.18	100.00	2.1	2022
85.95	2.38	83.56	2.8	2023
82.83	2.30	80.53	2.8	2024

1. Total-Free on Board(FOB). Includes freight and insurance costs.

2. The proportion of transport costs in total imports.

Source: Korea National Oil Corporation.

## 2-3. 국별 원유 수입 단가

단위: 달러/배럴

	평균 Average	중동 Middle East							
			사우디아라비아 Saudi Arabia	아랍에미레이트 U.A.E	이 란 Iran	쿠웨이트 Kuwait	오 만 Oman	카타르 Qatar	이라크 Iraq
1990	21.0	20.8	23.8	20.8	21.0	16.3	21.2	20.6	15.3
1991	19.6	19.3	18.6	20.9	18.5	-	20.1	20.7	-
1992	18.5	18.2	17.8	19.5	17.2	17.5	19.0	20.2	-
1993	16.6	16.1	15.7	17.3	15.2	15.4	17.0	18.6	-
1994	15.5	15.3	15.1	16.0	14.7	14.4	15.7	17.6	-
1995	17.3	17.2	17.4	17.2	16.8	16.7	17.1	17.4	-
1996	20.1	19.9	20.0	20.0	19.0	19.3	20.2	20.8	-
1997	20.3	20.2	20.5	20.4	19.5	19.6	20.5	20.1	-
1998	13.7	13.6	13.8	14.0	13.4	12.6	13.5	14.0	13.2
1999	16.9	17.1	17.2	17.3	16.7	15.9	17.0	17.1	21.0
2000	28.2	28.0	28.1	28.8	26.9	27.5	26.9	28.9	28.5
2001	24.9	24.8	24.9	25.3	24.3	23.9	24.6	25.4	25.3
2002	24.2	24.2	24.3	24.8	23.7	23.5	23.9	24.6	23.2
2003	28.7	28.4	28.6	28.9	28.0	27.6	27.6	28.7	29.7
2004	36.2	35.5	35.8	36.8	34.3	33.9	34.4	36.1	35.8
2005	50.5	50.1	51.0	51.4	46.6	49.0	50.2	51.7	46.1
2006	62.8	62.5	62.9	64.5	60.6	60.4	61.6	64.0	60.3
2007	69.4	68.9	69.3	70.7	67.5	67.9	67.5	71.5	66.5
2008	98.3	98.2	98.6	102.8	95.4	93.3	98.4	97.8	100.6
2009	60.8	61.0	61.0	62.5	59.8	62.1	61.9	57.7	60.9
2010	78.7	78.6	79.0	79.7	77.3	78.1	78.6	78.8	77.5
2011	108.0	107.4	108.0	110.8	105.8	106.9	103.1	107.8	105.6
2012	112.8	112.3	112.6	115.1	113.6	111.5	110.6	111.8	110.0
2013	108.3	107.9	108.8	111.2	107.0	107.6	105.3	108.7	101.7
2014	101.2	101.0	101.0	104.8	100.3	98.8	103.2	103.6	96.4
2015	53.3	53.1	53.7	55.2	52.7	50.7	51.1	56.5	49.4
2016	41.1	40.8	41.5	43.7	40.7	40.0	39.1	43.9	36.7
2017	53.4	53.1	53.8	54.8	52.9	52.1	54.4	55.8	50.1
2018	71.5	71.0	71.8	74.2	66.0	70.1	67.2	74.7	68.8
2019	65.5	65.7	66.9	67.0	62.3	66.0	60.6	63.8	63.7
2020	45.3	44.1	44.2	47.9	-	41.9	51.2	42.8	44.3
2021	70.5	70.6	72.0	65.4	-	71.7	72.4	69.1	67.6
2022	102.2	102.2	102.4	106.9	-	101.9	116.7	102.1	97.9
2023	85.9	85.9	87.4	87.7	-	86.2	89.0	82.9	80.8
2024	82.8	82.4	83.1	84.0	-	81.3	81.8	81.5	79.2

주: 운임 및 보험료 포함인도(CIF)가격

자료: 한국석유공사



## 2-3. Unit Prices of Crude Oil Imports by Country

Unit: US dollars per barrel

아시아 Asia	러시아 Russia	카자흐스탄 Kazakhstan	호주 Australia	아프리카 Africa	아메리카 America	유럽 Europe	
22.5	29.5	-	19.2	18.3	17.7	-	1990
21.2	20.7	-	21.5	18.2	18.1	-	1991
20.1	19.8	-	-	17.8	18.1	-	1992
18.6	16.0	-	20.7	17.1	16.6	-	1993
16.6	16.3	-	17.0	15.9	15.8	-	1994
17.9	15.2	-	17.9	18.0	16.6	-	1995
21.4	20.4	-	22.6	20.7	19.5	-	1996
20.7	18.7	-	21.5	20.9	19.3	18.8	1997
14.0	13.0	-	14.4	14.8	12.9	13.7	1998
17.5	20.1	-	18.0	16.1	15.0	16.2	1999
29.7	30.6	-	29.9	29.2	25.5	28.6	2000
25.4	24.6	-	26.2	25.1	22.6	25.6	2001
24.9	26.4	26.2	25.0	24.2	22.2	25.7	2002
30.5	29.5	29.5	30.6	30.4	27.4	33.7	2003
40.0	38.1	-	41.3	37.4	32.9	-	2004
54.1	57.9	-	54.5	48.1	42.6	58.2	2005
64.9	67.6	-	64.0	65.0	54.9	-	2006
72.6	74.1	-	73.6	66.9	52.6	-	2007
98.6	98.4	-	94.4	98.2	-	-	2008
59.3	62.7	-	55.8	61.8	51.0	-	2009
79.7	79.1	-	78.4	73.9	76.2	-	2010
112.0	112.6	-	107.3	112.4	98.7	115.3	2011
114.4	113.4	-	110.2	119.7	98.9	117.1	2012
110.2	109.9	-	106.1	108.2	110.8	112.4	2013
102.0	104.1	107.7	97.9	101.8	94.3	107.4	2014
54.5	53.9	58.0	54.7	53.7	52.4	56.4	2015
44.5	45.4	47.2	43.1	44.5	37.3	41.4	2016
55.7	55.3	55.2	57.8	57.1	48.5	56.7	2017
73.8	73.0	73.7	75.5	74.1	70.3	75.0	2018
65.8	67.6	65.1	63.6	66.9	64.2	67.9	2019
46.7	47.7	49.2	40.4	52.2	48.8	42.4	2020
71.3	71.2	70.7	73.0	73.1	69.8	68.4	2021
102.1	95.8	102.3	107.4	106.2	101.1	108.5	2022
84.0	-	85.0	83.0	88.4	86.5	93.5	2023
82.8	-	85.6	82.0	85.5	84.2	80.5	2024

Note: CIF(Cost, Insurance, and Freight) prices

Source: Korea National Oil Corporation.

## 2-4. 원유 처리 현황

## 2-4. Refinery Runs

	수입량 Import Volume	처리량 Refinery Runs			정제능력 Refining Capacities	가동률 Operation Rate
		연간 Annual	월평균 Monthly Average	일평균 Daily Average		
		1,000 bbl			1,000 BPSD	%
1990	308,368	312,045	26,004	855	840	101.8
1991	399,303	398,030	33,169	1,090	1,035	105.4
1992	509,378	508,619	42,385	1,390	1,675	83.0
1993	560,563	543,969	45,331	1,490	1,675	89.0
1994	573,714	560,866	46,739	1,537	1,700	90.4
1995	624,945	631,078	52,590	1,729	1,818	95.1
1996	721,927	720,846	60,071	1,970	2,438	80.8
1997	873,415	871,974	72,665	2,389	2,438	98.0
1998	819,094	825,890	68,824	2,263	2,438	92.8
1999	874,090	872,742	72,729	2,391	2,438	98.1
2000	893,943	890,304	74,192	2,433	2,438	99.8
2001	859,367	860,115	71,676	2,356	2,438	96.7
2002	790,992	786,805	65,567	2,156	2,438	88.4
2003	804,809	782,951	65,246	2,145	2,438	88.0
2004	825,790	826,551	68,879	2,258	2,735	82.6
2005	843,203	852,439	71,037	2,335	2,735	85.4
2006	888,794	878,395	73,200	2,407	2,735	88.0
2007	872,541	882,117	73,510	2,417	2,765	87.4
2008	864,872	865,663	72,139	2,365	2,785	84.9
2009	835,085	838,475	69,873	2,297	2,835	81.0
2010	872,415	872,247	72,687	2,390	2,845	84.0
2011	927,044	924,441	77,037	2,533	2,934	86.3
2012	947,292	945,162	78,764	2,582	2,949	87.6
2013	915,075	906,674	75,556	2,484	2,949	84.2
2014	927,524	918,345	76,529	2,516	3,009	83.6
2015	1,026,107	1,016,157	84,680	2,784	3,059	91.0
2016	1,078,119	1,071,731	89,311	2,928	3,064	95.6
2017	1,118,167	1,117,376	93,115	3,061	3,105	98.6
2018	1,116,281	1,106,266	92,189	3,031	3,204	94.6
2019	1,071,923	1,064,210	88,684	2,916	3,204	91.0
2020	980,259	980,379	81,698	2,679	3,204	83.6
2021	960,147	961,382	80,115	2,634	3,204	82.2
2022	1,031,283	1,026,121	85,510	2,811	3,204	87.7
2023	1,005,770	1,006,628	83,886	2,758	3,204	86.1
2024	1,029,398	1,027,501	85,625	2,807	3,204	87.6

자료: 한국석유공사

Source: Korea National Oil Corporation

## 3. 석유정제 및 전환공정 투입

## 3. Petroleum Refining &amp; Transformation Processes

단위: 천 배럴

Unit: Thousand barrels

	석유 정제 Petroleum Refining		발전 및 열생산 투입 <sup>1</sup> Power Generation & Others <sup>1</sup>		
	원유 및 정제원료 투입 Petroleum Refining Inputs	석유제품 정제생산 Petroleum Refining Production	발전전용 Electricity-only	열병합 CHP	열전용 Heat-only
1990	313,973	300,671	29,720	-	0
1991	398,877	403,172	41,461	-	1,509
1992	510,450	498,179	51,825	-	1,514
1993	564,548	532,859	48,770	-	2,028
1994	576,085	568,034	55,972	-	1,656
1995	649,293	630,447	62,201	-	2,059
1996	734,715	711,091	63,640	-	1,983
1997	877,440	877,979	56,960	-	2,328
1998	833,014	831,686	21,414	358	2,420
1999	879,466	882,503	23,277	462	3,091
2000	897,543	904,570	32,247	6,281	2,715
2001	869,395	881,784	35,154	6,375	3,191
2002	809,469	826,017	30,017	6,386	3,387
2003	794,658	807,184	30,515	6,110	3,840
2004	832,238	854,861	24,114	5,756	4,298
2005	860,864	886,181	23,290	4,058	4,434
2006	881,453	910,149	23,530	3,644	3,533
2007	882,291	908,090	25,439	2,737	3,213
2008	863,787	896,189	13,711	2,054	2,385
2009	835,024	868,223	19,584	2,229	2,306
2010	869,469	901,813	18,201	1,767	2,403
2011	926,980	962,614	13,728	707	1,709
2012	955,613	997,912	22,222	176	1,300
2013	922,923	967,180	22,726	235	1,274
2014	939,156	988,461	10,433	592	1,036
2015	1,030,109	1,073,059	12,079	773	767
2016	1,085,610	1,118,794	18,500	807	1,251
2017	1,153,915	1,185,996	7,042	1,019	1,184
2018	1,175,276	1,207,900	8,016	591	1,099
2019	1,159,008	1,196,345	5,287	397	1,711
2020	1,089,282	1,111,458	3,377	449	1,594
2021	1,089,068	1,113,422	3,811	377	1,773
2022	1,155,425	1,189,404	4,056	967	1,683
2023	1,149,566	1,183,019	2,678	529	1,388
2024 <sup>P</sup>	1,178,689	1,216,838	2,644	734	787

1. 석유제품(프로판, 등유, B-C유 등)의 발전 및 열생산 투입량

1. Power generation and heat production inputs of petroleum products

## 4. 석유제품 수급

단위: 천 배럴

	공급 Supply						
	수입 Imports	수출 Exports	국제해운병커링 International Marine Bunkers	국제항공병커링 International Aviation Bunkers	재고변화 <sup>1</sup> Stock changes <sup>1</sup>	일차에너지공급 <sup>2</sup> TPES <sup>2</sup>	정제생산 Petroleum Refining Production
1990	101,248	27,184	18,664	10,136	-5,166	40,098	300,671
1991	110,042	69,744	26,767	11,013	-681	1,838	403,172
1992	137,011	91,653	33,625	13,175	-5,445	-6,887	498,179
1993	167,759	103,493	35,054	14,552	-2,679	11,981	532,859
1994	190,790	93,132	40,792	16,339	-2,418	38,109	568,034
1995	205,428	122,630	47,328	18,484	-1,284	15,703	630,447
1996	215,124	158,329	57,897	20,200	-4,844	-26,146	711,091
1997	185,811	231,050	63,614	21,998	-5,846	-136,697	877,979
1998	175,895	296,682	65,973	18,197	2,377	-202,580	831,686
1999	184,490	297,899	72,015	18,834	3,535	-200,723	882,503
2000	204,301	306,293	66,385	19,880	-6,900	-195,158	904,570
2001	204,781	295,010	63,682	20,838	324	-174,426	881,784
2002	228,557	239,127	61,644	23,536	6,100	-89,651	826,017
2003	219,897	209,079	66,233	24,727	1,302	-78,840	807,184
2004	195,110	235,506	68,677	26,357	-8,585	-144,016	854,861
2005	179,354	262,647	68,628	27,427	9,518	-169,829	886,181
2006	191,560	289,070	68,737	22,236	-4,109	-192,592	910,149
2007	209,130	292,072	63,558	30,942	2,329	-175,113	908,090
2008	224,614	333,764	60,474	28,234	4,696	-193,163	896,189
2009	268,214	330,912	54,645	26,889	2,602	-141,631	868,223
2010	276,849	341,784	57,501	29,935	-3,830	-156,202	901,813
2011	279,260	408,338	56,610	30,191	624	-215,255	962,614
2012	309,954	440,897	55,004	30,209	-7,286	-223,443	997,912
2013	329,205	429,291	53,651	31,896	-1,133	-186,766	967,180
2014	326,623	448,822	54,829	31,973	-89	-209,090	988,461
2015	307,875	477,425	60,892	32,882	-2,047	-265,370	1,073,059
2016	334,608	487,716	68,391	36,733	2,603	-255,629	1,118,794
2017	314,487	509,113	66,091	37,604	-1,663	-299,983	1,185,996
2018	341,628	531,563	62,672	39,620	-10,905	-303,132	1,207,900
2019	352,147	522,099	54,281	40,375	8,063	-256,545	1,196,345
2020	347,376	468,529	65,664	25,204	1,198	-210,822	1,111,458
2021	392,317	446,559	70,042	19,801	1,109	-142,976	1,113,422
2022	367,072	497,020	77,484	24,851	48	-232,234	1,189,404
2023	372,054	494,404	72,136	40,268	-6,174	-240,928	1,183,019
2024 <sup>p</sup>	393,762	514,246	75,713	49,565	7,205	-238,559	1,216,838

1. 기초재고-기말재고

2. 수출이나 국제병커링이 수입이나 재고변화로 인한 공급보다 큰 경우 일차에너지공급은 음수로 표시됨

3. 가정, 상업, 공공부문 합계

## 4. Petroleum Products Overview

Unit: Thousand barrels

소비 Consumption								
발전 및 열생산 투입 Power Generator & Others	전환자체소비 Transformation Own Use	최종소비 TFC	산업 Industry		수송 Transport	건물 <sup>3</sup> Building <sup>3</sup>		
				석유화학원료 Petrochemical Feedstock				
29,720	6,177	298,791	136,088	17,721	87,424	75,279	1990	
42,970	6,730	349,916	160,541	19,968	98,632	90,743	1991	
53,339	7,482	420,540	205,167	77,975	111,881	103,492	1992	
50,797	9,983	473,807	244,920	91,759	139,901	88,986	1993	
57,628	11,135	533,451	262,171	140,904	146,564	124,716	1994	
64,260	13,730	558,685	253,191	121,870	164,992	140,503	1995	
65,623	12,823	593,951	267,891	127,306	176,718	149,341	1996	
59,288	39,540	641,542	302,762	146,177	188,658	150,123	1997	
24,192	35,504	565,805	307,893	172,263	149,551	108,361	1998	
26,830	37,094	615,237	324,459	194,921	164,076	126,703	1999	
41,243	36,267	630,544	334,302	203,171	183,621	112,621	2000	
44,720	32,992	625,750	326,851	202,228	192,874	106,025	2001	
39,790	32,289	646,205	338,473	214,581	205,299	102,433	2002	
40,464	31,979	648,500	339,475	210,812	211,798	97,227	2003	
34,169	32,274	642,486	345,018	226,792	212,454	85,014	2004	
31,783	32,965	646,699	350,939	235,256	214,711	81,049	2005	
30,707	33,117	650,245	357,382	245,503	223,716	69,147	2006	
31,389	34,100	664,737	376,104	266,859	223,823	64,809	2007	
18,150	38,291	641,487	361,752	263,866	218,940	60,795	2008	
24,119	36,936	660,470	381,381	283,052	220,471	58,619	2009	
22,370	33,486	681,595	397,694	301,198	223,353	60,548	2010	
16,144	36,233	685,589	406,387	313,929	222,535	56,668	2011	
23,699	38,174	699,837	419,819	337,907	227,457	52,561	2012	
24,235	38,481	703,082	422,641	346,229	230,691	49,749	2013	
12,062	39,214	709,141	428,460	355,402	232,807	47,873	2014	
13,619	43,816	734,560	433,577	364,101	247,511	53,472	2015	
20,557	46,129	782,758	469,195	396,000	257,307	56,256	2016	
9,245	40,552	801,275	487,121	413,430	257,708	56,447	2017	
9,706	41,677	788,210	478,445	408,941	256,066	53,700	2018	
7,396	41,759	796,132	483,878	412,370	263,189	49,065	2019	
5,420	41,309	752,060	461,960	382,398	245,380	44,720	2020	
5,961	38,312	809,098	505,836	417,203	259,041	44,221	2021	
6,706	38,981	798,903	496,939	412,631	258,008	43,955	2022	
4,595	39,205	766,182	473,704	386,145	250,712	41,765	2023	
4,165	39,445	796,398	507,395	420,821	248,272	40,731	2024 <sup>P</sup>	

1. Former stock-Ending stock

2. TPES is negative if exports and international bunkers are greater than imports and supply from inventory changes

3. Sum of residential, commercial and public sector

## 4-1. 석유제품 수입

단위: 천 배럴

	합계 Total	프로판 Propane	부탄 Butane	휘발유 Gasoline	항공유 Aviation Fuel	등유 Kerosene
1990	101,248	22,127	4,998	-	6	17,465
1991	110,042	25,351	4,950	-	9	9,771
1992	137,011	30,933	8,698	-	-	8,986
1993	167,759	34,269	11,209	-	-	16,016
1994	190,790	37,950	10,645	-	-	17,087
1995	205,428	43,360	9,742	-	115	23,361
1996	215,124	44,097	11,052	-	4,408	27,679
1997	185,811	46,754	10,476	-	3,582	15,769
1998	175,895	39,662	9,482	215	1,210	5,103
1999	184,490	45,772	11,887	390	3,828	2,687
2000	204,301	40,209	15,554	740	1,696	6,870
2001	204,781	32,177	15,885	2,108	339	5,310
2002	228,557	37,844	18,371	4,032	2,781	6,917
2003	219,897	35,325	15,476	2,061	3,459	6,624
2004	195,110	32,701	15,183	1,218	215	1,710
2005	179,354	32,469	17,220	78	1	360
2006	191,560	32,062	21,941	-	3	259
2007	209,130	32,691	25,481	-	2	514
2008	224,614	31,074	31,967	-	251	379
2009	268,214	32,399	33,792	-	2	68
2010	276,849	35,221	34,408	-	6	331
2011	279,260	38,561	35,379	-	16	417
2012	309,954	36,978	33,030	84	18	211
2013	329,205	32,179	33,790	1,718	17	98
2014	326,623	32,266	31,267	-	6	133
2015	307,875	36,435	26,277	387	4	11
2016	334,608	56,437	26,834	1,391	7	18
2017	314,487	55,155	18,124	1,127	3	37
2018	341,628	59,549	19,776	174	3	1
2019	352,147	74,600	19,493	130	3	35
2020	347,376	80,930	20,235	0	5	80
2021	392,317	76,363	20,535	299	5	216
2022	367,072	85,845	21,227	86	2	38
2023	372,054	77,616	20,786	804	304	22
2024 <sup>p</sup>	393,762	77,847	26,056	383	14	18

## 4-1. Petroleum Products Imports

Unit: Thousand barrels

경유 Diesel	중유 Fuel Oil	납사 Naphtha	용제 White spirit & SBP	윤활유 Lubricants	아스팔트 Bitumen	기타 Others	
13,586	27,658	15,409	-	-	-	-	1990
10,803	34,209	24,862	-	-	86	-	1991
5,781	34,271	47,948	-	-	395	-	1992
11,226	32,624	62,414	-	-	-	-	1993
17,435	35,486	72,167	-	-	18	-	1994
32,190	24,824	71,837	-	-	-	-	1995
18,540	29,143	80,204	-	-	-	-	1996
3,134	26,757	79,326	-	14	-	-	1997
2,198	12,926	105,100	-	-	-	-	1998
2,311	16,497	101,119	-	-	-	-	1999
2,818	25,107	111,283	-	-	24	-	2000
6,681	22,318	119,738	-	24	201	-	2001
12,928	23,700	121,912	-	14	57	-	2002
11,141	13,829	131,981	-	-	-	-	2003
4,290	8,285	131,368	-	-	140	-	2004
1,912	4,021	123,292	-	-	-	-	2005
1,582	8,749	126,964	-	-	-	-	2006
765	5,910	143,766	-	-	-	-	2007
369	7,192	153,381	-	-	-	-	2008
836	19,858	180,840	38	382	-	-	2009
758	17,478	188,600	47	-	-	-	2010
950	15,392	188,507	38	-	-	-	2011
4,897	27,264	207,444	26	-	-	0	2012
8,597	44,281	208,297	16	-	-	213	2013
5,152	52,006	205,726	23	43	-	-	2014
267	46,737	197,617	6	104	31	0	2015
198	47,228	202,224	8	24	-	240	2016
236	40,091	199,632	4	-	-	78	2017
237	42,915	218,814	9	11	65	74	2018
138	31,585	226,088	3	35	-	37	2019
19	29,626	215,878	8	165	430	-	2020
0	37,239	253,313	2	993	3,353	-	2021
300	20,800	236,608	9	1,605	551	-	2022
-	31,512	239,951	0	968	54	38	2023
-	41,830	246,692	0	786	70	65	2024 <sup>P</sup>

## 4-2. 석유제품 수출

단위: 천 배럴

	합계 Total	프로판 Propane	부탄 Butane	휘발유 Gasoline	항공유 Aviation Fuel	등유 Kerosene
1990	27,184	593	505	30	-	97
1991	69,744	656	687	992	3,131	-
1992	91,653	218	437	119	7,543	3
1993	103,493	525	811	520	5,576	5
1994	93,132	596	742	568	6,168	465
1995	122,630	1,766	1,145	442	13,435	564
1996	158,329	2,060	1,451	2,546	19,670	2,913
1997	231,050	2,991	1,566	10,169	19,942	10,250
1998	296,682	6,913	3,571	15,611	42,764	6,949
1999	297,899	8,708	4,941	11,274	34,333	14,986
2000	306,293	5,287	2,844	14,869	37,675	19,874
2001	295,010	2,384	2,436	16,166	39,500	18,006
2002	239,127	1,589	1,293	15,525	42,006	10,205
2003	209,079	1,740	1,154	13,538	27,658	13,144
2004	235,506	510	454	18,323	45,508	7,693
2005	262,647	295	419	14,515	54,533	4,455
2006	289,070	393	369	19,927	62,399	4,763
2007	292,072	329	204	15,336	72,350	1,250
2008	333,764	258	115	30,911	76,869	2,396
2009	330,912	125	1	40,187	69,819	5,425
2010	341,784	910	1	39,338	71,449	6,462
2011	408,338	742	163	53,519	81,239	8,960
2012	440,897	1,563	222	63,492	91,539	7,582
2013	429,291	821	36	64,013	89,534	6,685
2014	448,822	1,049	299	73,327	93,840	4,438
2015	477,425	804	439	79,293	107,272	3,769
2016	487,716	1,450	417	76,258	111,378	2,065
2017	509,113	1,930	483	82,217	121,203	5,266
2018	531,563	3,898	1,044	87,895	115,417	6,530
2019	522,099	5,126	681	87,872	114,850	4,171
2020	468,529	5,826	218	74,147	82,248	6,397
2021	446,559	2,850	406	98,370	65,465	7,878
2022	497,020	607	96	100,335	85,772	5,014
2023	494,404	352	257	101,997	92,805	3,993
2024 <sup>p</sup>	514,246	326	284	114,973	92,872	7,792



## 4-2. Petroleum Products Exports

Unit: Thousand barrels

경유 Diesel	중유 Fuel Oil	납사 Naphtha	용제 White spirit & SBP	윤활유 Lubricants	아스팔트 Bitumen	기타 Others	
10,453	12,091	3,325	61	-	29	-	1990
20,661	37,925	5,625	46	-	21	-	1991
27,124	50,708	5,430	52	-	19	-	1992
35,709	49,693	10,328	15	-	310	-	1993
34,310	40,082	9,148	8	-	1,045	-	1994
42,443	40,238	21,337	-	-	1,260	-	1995
54,208	43,075	30,771	-	-	1,635	-	1996
93,711	50,242	36,942	-	715	3,318	1,204	1997
109,238	60,240	44,848	17	1,331	2,860	2,339	1998
88,353	82,375	46,218	28	1,511	2,915	2,258	1999
96,675	72,157	48,849	8	2,571	3,184	2,301	2000
90,440	67,011	51,228	-	2,541	3,366	1,931	2001
76,235	35,025	44,943	-	3,560	7,060	1,684	2002
60,817	45,835	30,970	0	5,736	6,695	1,791	2003
68,038	45,539	31,157	30	8,200	7,725	2,328	2004
85,890	56,065	25,793	0	9,377	9,181	2,122	2005
91,520	58,266	27,991	-	10,439	10,250	2,752	2006
102,974	42,699	29,423	-	12,413	13,009	2,086	2007
130,936	35,352	22,915	-	15,895	15,651	2,468	2008
125,474	25,814	26,569	8	18,258	15,854	3,379	2009
130,761	25,884	32,111	-	12,992	18,531	3,346	2010
159,181	34,486	35,386	217	13,394	14,297	6,754	2011
176,464	28,428	33,287	419	15,323	14,171	8,406	2012
163,759	22,434	39,552	952	14,493	18,113	8,898	2013
174,142	13,810	35,363	1,177	17,877	22,972	10,528	2014
171,999	10,965	47,839	1,206	16,087	26,887	10,864	2015
175,032	13,512	49,763	1,170	15,232	28,478	12,961	2016
176,154	16,657	44,194	1,758	16,886	29,689	12,675	2017
190,712	26,345	43,564	1,412	18,664	24,008	12,074	2018
195,231	17,490	47,382	1,260	15,915	20,808	11,311	2019
200,099	13,262	36,680	2,018	17,421	19,785	10,429	2020
180,871	8,829	31,203	1,383	23,321	14,978	11,007	2021
203,530	12,776	33,944	1,102	25,412	13,811	14,620	2022
196,509	6,165	39,861	1,209	24,607	12,200	14,448	2023
204,713	4,662	40,478	1,120	24,161	8,904	13,962	2024 <sup>P</sup>

## 4-3. 석유제품 정제생산

단위: 천 배럴

	합계 Total	프로판 Propane	부탄 Butane	휘발유 Gasoline	항공유 Aviation Fuel	등유 Kerosene
1990	300,671	3,345	8,812	23,985	16,405	13,600
1991	403,172	4,314	9,673	29,874	18,696	13,771
1992	498,179	5,653	9,816	35,422	21,034	29,186
1993	532,859	4,880	9,523	44,737	20,230	31,874
1994	568,034	2,788	8,066	49,521	26,196	30,926
1995	630,447	4,506	11,510	60,445	34,981	40,852
1996	711,091	5,715	10,954	71,083	38,862	51,235
1997	877,979	6,725	13,936	82,300	42,399	76,329
1998	831,686	8,429	18,670	76,111	63,826	65,574
1999	882,503	9,377	21,651	75,207	53,036	90,380
2000	904,570	10,905	25,044	76,336	59,568	87,824
2001	881,784	10,407	28,928	76,502	65,251	75,525
2002	826,017	9,626	30,835	76,744	67,734	62,721
2003	807,184	10,526	29,794	71,385	55,020	64,500
2004	854,861	11,033	30,194	74,969	76,644	50,535
2005	886,181	11,182	28,887	73,877	84,904	45,271
2006	910,149	11,209	26,973	80,616	95,490	41,220
2007	908,090	10,227	26,000	78,375	105,699	30,021
2008	896,189	12,968	23,218	93,710	107,675	31,846
2009	868,223	15,274	21,128	106,615	102,664	33,348
2010	901,813	17,149	18,282	108,921	105,458	39,176
2011	962,614	10,992	14,207	122,473	118,137	35,813
2012	997,912	12,542	13,797	136,490	130,697	32,625
2013	967,180	11,373	14,405	134,758	129,990	28,204
2014	988,461	11,467	17,560	145,127	135,208	23,097
2015	1,073,059	11,135	18,935	156,999	151,720	24,958
2016	1,118,794	8,127	18,142	154,036	160,738	25,688
2017	1,185,996	10,509	23,422	160,624	174,006	25,606
2018	1,207,900	9,127	24,200	169,511	170,998	26,829
2019	1,196,345	6,833	22,216	170,280	170,766	21,485
2020	1,111,458	4,032	18,723	151,408	112,582	44,384
2021	1,113,422	6,706	17,735	178,751	97,182	53,657
2022	1,189,404	2,224	17,488	183,838	122,855	47,659
2023	1,183,019	3,887	17,936	188,916	139,254	46,318
2024 <sup>p</sup>	1,216,838	5,332	16,804	205,453	145,120	45,463

## 4-3. Petroleum Refining Production

Unit: Thousand barrels

경유 Diesel	중유 Fuel Oil	납사 Naphtha	용제 White spirit & SBP	윤활유 Lubricants	아스팔트 Bitumen	기타 Others	
95,010	102,705	31,151	531	-	5,128	-	1990
127,080	147,943	44,544	404	-	6,873	0	1991
153,717	178,972	54,253	452	-	9,675	0	1992
168,233	188,587	54,775	429	-	9,592	-	1993
166,155	190,927	82,313	695	-	10,447	-	1994
181,389	208,597	76,620	736	-	10,809	-	1995
215,452	214,255	90,630	671	-	12,233	-	1996
264,509	238,153	112,554	797	4,444	15,042	20,790	1997
232,804	207,207	119,287	622	4,287	12,819	22,050	1998
219,311	240,188	133,315	780	4,472	13,181	21,604	1999
228,204	230,510	142,054	765	6,420	13,582	23,359	2000
218,943	225,792	135,983	891	6,359	14,412	22,792	2001
205,437	189,808	133,103	1,393	7,437	18,208	22,971	2002
200,644	204,384	116,501	2,666	9,746	17,334	24,684	2003
215,217	202,451	131,886	3,998	12,874	19,161	25,898	2004
229,813	211,249	138,131	4,458	14,163	19,856	24,390	2005
236,329	207,786	142,343	5,120	15,899	21,079	26,086	2006
250,438	185,084	149,630	4,890	17,205	24,373	26,147	2007
267,800	151,959	124,344	3,930	21,027	26,000	31,711	2008
258,387	126,246	116,317	5,110	22,163	28,008	32,963	2009
267,196	125,491	133,950	5,068	17,696	29,284	34,144	2010
292,885	124,752	149,304	3,962	17,997	24,179	47,914	2011
309,772	102,513	157,159	4,100	19,824	24,869	53,524	2012
299,242	81,718	160,125	3,846	18,287	28,915	56,316	2013
315,056	55,781	166,557	3,430	21,576	32,146	61,455	2014
334,360	58,921	196,028	3,067	20,101	37,173	59,661	2015
339,998	72,756	213,617	3,187	19,504	40,508	62,491	2016
347,167	70,065	249,148	4,551	22,171	41,476	57,250	2017
360,752	70,667	248,724	4,225	23,748	35,908	63,211	2018
367,540	59,492	254,353	4,374	20,874	31,219	66,914	2019
351,750	76,999	224,885	6,491	22,789	25,945	71,473	2020
337,745	77,512	214,883	4,169	32,443	16,159	76,478	2021
363,454	93,575	224,504	3,382	33,919	17,487	79,018	2022
351,798	78,914	222,856	3,516	32,254	18,046	79,324	2023
354,706	82,992	231,016	3,355	32,315	14,431	79,852	2024 <sup>P</sup>

## 4-4. 석유제품 소비

단위: 천 배럴

	합계 Total	프로판 Propane	부탄 Butane	휘발유 Gasoline	항공유 Aviation Fuel	등유 Kerosene
1990	298,791	21,168	12,103	23,672	6,725	23,684
1991	349,916	24,762	13,570	28,706	5,937	25,465
1992	420,540	28,563	18,458	35,235	2,941	34,077
1993	473,807	30,400	19,732	42,508	2,738	43,149
1994	533,451	31,632	21,118	51,088	2,759	47,741
1995	558,685	33,457	19,903	59,382	2,961	62,522
1996	593,951	35,583	20,671	67,971	3,355	73,508
1997	641,542	39,874	21,999	71,355	3,031	83,125
1998	565,805	37,503	24,211	61,089	2,974	60,349
1999	615,237	41,636	29,390	63,879	3,128	75,803
2000	630,544	42,830	37,340	62,382	2,628	68,918
2001	625,750	38,619	42,545	62,704	4,168	61,799
2002	646,205	41,908	45,933	64,076	3,482	58,919
2003	648,500	38,728	47,295	60,477	4,895	52,740
2004	642,486	35,816	49,705	58,148	4,753	43,872
2005	646,699	37,112	51,109	59,559	4,832	40,094
2006	650,245	36,458	53,596	59,871	10,686	31,839
2007	664,737	36,800	56,736	62,498	3,700	26,601
2008	641,487	34,735	62,042	62,933	5,229	27,935
2009	660,470	38,485	62,346	65,866	6,120	26,096
2010	681,595	39,130	58,276	68,926	6,188	29,541
2011	685,589	36,552	54,808	69,571	7,401	25,974
2012	699,837	33,643	52,615	71,762	9,623	22,563
2013	703,082	34,334	54,231	73,407	8,735	19,238
2014	709,141	33,493	52,430	73,471	11,356	15,956
2015	734,560	38,570	47,233	76,566	13,057	16,861
2016	782,758	54,486	47,257	78,926	12,673	19,245
2017	801,275	54,611	43,376	79,616	13,370	18,729
2018	788,210	55,972	44,472	79,683	13,724	18,511
2019	796,132	67,840	43,096	82,750	13,120	16,668
2020	752,060	70,653	38,351	80,965	7,793	16,831
2021	809,098	72,524	36,709	84,873	15,531	16,490
2022	798,903	78,163	37,088	88,368	15,606	15,446
2023	766,182	70,558	37,003	90,361	9,519	13,123
2024 <sup>p</sup>	796,398	78,275	42,286	95,043	6,730	12,235

## 4-4. Petroleum Products Consumption

Unit: Thousand barrels

경유 Diesel	중유 Fuel Oil	납사 Naphtha	용제 White spirit & SBP	윤활유 Lubricants	아스팔트 Bitumen	기타 Others	
94,104	68,700	43,065	458	-	5,113	-	1990
110,620	76,612	56,867	362	-	7,015	0	1991
121,487	83,929	85,528	349	-	9,972	0	1992
134,712	92,913	97,793	410	-	9,453	-	1993
142,732	98,315	127,970	680	-	9,416	-	1994
155,423	95,006	119,775	733	-	9,524	-	1995
159,719	92,980	128,775	664	-	10,726	-	1996
156,016	93,040	152,960	785	3,740	11,958	3,659	1997
115,876	67,156	179,074	578	2,821	9,851	4,323	1998
122,006	72,416	189,101	735	3,168	10,296	3,679	1999
126,367	68,295	202,634	736	3,795	10,289	4,330	2000
129,549	64,461	201,551	794	3,570	11,033	4,958	2001
135,322	64,362	210,762	1,271	3,827	10,350	5,992	2002
141,240	60,260	218,881	2,703	4,079	10,550	6,651	2003
141,733	54,912	226,789	3,894	4,333	11,668	6,862	2004
140,864	52,392	234,590	4,380	4,966	10,486	6,315	2005
140,326	47,737	243,267	4,752	3,681	10,813	7,220	2006
142,400	44,432	266,283	3,879	3,693	10,889	6,826	2007
131,296	37,503	254,818	3,329	4,504	9,927	7,235	2008
128,902	33,045	272,112	3,199	4,900	12,484	6,916	2009
130,479	30,579	289,885	4,297	5,238	11,115	7,941	2010
129,839	25,820	303,306	2,877	3,409	10,413	15,620	2011
131,917	19,235	328,363	1,268	3,452	10,152	15,244	2012
138,477	13,328	327,806	731	3,388	10,677	18,730	2013
140,824	11,541	335,886	1,001	3,636	9,293	20,254	2014
151,750	12,817	346,570	1,388	3,945	10,195	15,609	2015
161,183	12,667	362,868	1,633	4,000	11,461	16,360	2016
163,026	11,059	384,242	1,742	4,893	11,637	14,974	2017
160,316	9,987	372,559	1,614	4,675	10,658	16,040	2018
163,781	8,402	365,443	1,728	4,764	10,540	18,001	2019
155,042	6,833	333,825	2,154	4,593	10,054	24,967	2020
156,318	6,405	369,918	1,585	8,030	9,450	31,266	2021
151,783	6,697	355,984	1,403	7,594	8,383	32,387	2022
150,423	6,885	337,784	1,620	8,243	9,077	31,586	2023
145,288	5,303	359,127	1,561	8,291	9,021	33,238	2024 <sup>P</sup>

## 4-4-1. 프로판

## 4-4-1. Propane

단위: 천 배럴

Unit: Thousand barrels

	공급 Supply					소비 Consumption						
	수입 Imports	수출 Exports	재고변화 <sup>1</sup> Stock changes <sup>1</sup>	일차에너지 공급 TPES	정제생산 Petroleum Products	발전 및 열생산 투입 Power Generatoin & Others	전환 자체소비 Transfor mation own use	최종소비 TFC				
									산업 Industry	수송 Transport	건물 <sup>2</sup> Building <sup>2</sup>	석유화학원료 Petrochem feedstock
1990	22,127	593	-1,038	20,495	3,345	-	2,704	21,168	1,326	-	153	19,690
1991	25,351	656	648	25,343	4,314	1	4,765	24,762	2,189	146	92	22,481
1992	30,933	218	-678	30,036	5,653	4	6,599	28,563	3,500	1,571	107	24,955
1993	34,269	525	831	34,575	4,880	-	9,115	30,400	21,762	1,580	78	8,560
1994	37,950	596	246	37,600	2,788	-	10,281	31,632	5,139	2,295	118	26,375
1995	43,360	1,766	298	41,891	4,506	-	12,773	33,457	6,001	2,083	145	27,311
1996	44,097	2,060	-18	42,007	5,715	-	11,937	35,583	6,557	2,214	51	28,975
1997	46,754	2,991	-2,474	41,277	6,725	-	7,981	39,874	10,909	4,779	102	28,863
1998	39,662	6,913	717	33,465	8,429	0	4,291	37,503	11,733	6,894	196	25,573
1999	45,772	8,708	-24	37,027	9,377	3	4,606	41,636	13,708	6,429	177	27,752
2000	40,209	5,287	354	35,276	10,905	-	3,254	42,830	12,918	7,102	76	29,835
2001	32,177	2,384	512	30,306	10,407	-	238	38,619	9,486	4,966	31	29,102
2002	37,844	1,589	-1,148	35,103	9,626	1	192	41,908	12,056	7,508	105	29,747
2003	35,325	1,740	-753	32,829	10,526	1	163	38,728	11,006	7,080	97	27,625
2004	32,701	510	-651	31,538	11,033	0	158	35,816	11,176	7,754	87	24,553
2005	32,469	295	763	32,936	11,182	4	548	37,112	13,515	7,656	7	23,589
2006	32,062	393	-124	31,545	11,209	4	387	36,458	13,986	8,047	6	22,466
2007	32,691	329	1,434	33,796	10,227	2	719	36,800	14,657	8,219	6	22,137
2008	31,074	258	388	31,205	12,968	2	568	34,735	15,220	8,715	25	19,490
2009	32,399	125	188	32,462	15,274	9	842	38,485	18,730	12,552	10	19,745
2010	35,221	910	-68	34,244	17,149	2	856	39,130	19,893	12,517	12	19,225
2011	38,561	742	-257	37,563	10,992	1	759	36,552	18,239	11,352	12	18,301
2012	36,978	1,563	237	35,651	12,542	1	1,152	33,643	16,488	9,031	15	17,140
2013	32,179	821	445	31,803	11,373	1	958	34,334	17,055	10,824	28	17,250
2014	32,266	1,049	-1,867	29,351	11,467	1	616	33,493	17,725	11,387	16	15,752
2015	36,435	804	716	36,347	11,135	1	1,573	38,570	21,768	14,073	28	16,774
2016	56,437	1,450	-47	54,940	8,127	1	1,766	54,486	36,516	27,561	31	17,939
2017	55,155	1,930	-201	53,024	10,509	405	1,764	54,611	37,457	25,335	16	17,137
2018	59,549	3,898	-817	54,835	9,127	258	1,155	55,972	38,410	29,240	16	17,546
2019	74,600	5,126	585	70,059	6,833	943	2,032	67,840	50,037	39,847	17	17,786
2020	80,930	5,826	-626	74,478	4,032	829	2,136	70,653	52,902	41,692	17	17,734
2021	76,363	2,850	559	74,071	6,706	1,245	1,350	72,524	54,359	40,872	17	18,148
2022	85,845	607	-815	84,424	2,224	2,257	2,177	78,163	59,353	49,188	18	18,792
2023	77,616	352	-870	76,394	3,887	876	2,240	70,558	51,946	39,516	18	18,594
2024 <sup>p</sup>	77,847	326	1,216	78,738	5,332	1,115	1,537	78,275	59,570	47,737	18	18,687

1. 기초재고-기말재고

1. Former stock-Ending stock

2. 가정, 상업, 공공부문 합계

2. Sum of residential, commercial and public sector

## 4-4-2. 부탄

## 4-4-2. Butane

단위: 천 배럴

Unit: Thousand barrels

	공급 Supply					소비 Consumption						
	수입 Imports	수출 Exports	재고변화 <sup>1</sup> Stock changes <sup>1</sup>	일차에너지 공급 TPES	정제생산 Petroleum Products	발전 및 열생산 투입 Power Generatoin & Others	전환 자체소비 Transfor mation own use	최종소비 TFC				
									산업 Industry	석유화학원료 Petrochem feedstock	수송 Transport	건물 <sup>2</sup> Building <sup>2</sup>
1990	4,998	505	-301	4,192	8,812	-	975	12,103	929	-	11,121	53
1991	4,950	687	85	4,348	9,673	-	413	13,570	1,886	245	11,627	58
1992	8,698	437	-217	8,044	9,816	-	23	18,458	5,708	4,543	12,724	27
1993	11,209	811	-492	9,906	9,523	-	0	19,732	5,978	4,677	13,623	131
1994	10,645	742	920	10,823	8,066	-	43	21,118	5,798	4,423	15,232	88
1995	9,742	1,145	-125	8,472	11,510	-	68	19,903	3,690	2,010	16,144	68
1996	11,052	1,451	87	9,687	10,954	-	5	20,671	3,492	1,548	17,102	77
1997	10,476	1,566	-906	8,004	13,936	-	8	21,999	2,974	1,501	18,242	783
1998	9,482	3,571	-419	5,493	18,670	-	3	24,211	4,837	2,961	19,097	277
1999	11,887	4,941	828	7,774	21,651	0	21	29,390	5,118	2,753	23,792	480
2000	15,554	2,844	-344	12,366	25,044	-	55	37,340	5,117	2,920	31,770	453
2001	15,885	2,436	42	13,490	28,928	-	60	42,545	5,849	3,515	36,356	340
2002	18,371	1,293	-1,119	15,956	30,835	-	32	45,933	6,273	3,765	38,890	770
2003	15,476	1,154	152	14,474	29,794	-	33	47,295	5,854	3,611	40,620	822
2004	15,183	454	-290	14,439	30,194	-	22	49,705	6,798	4,563	42,024	883
2005	17,220	419	443	17,244	28,887	0	37	51,109	6,047	4,641	43,148	1,914
2006	21,941	369	355	21,926	26,973	0	4	53,596	7,490	6,262	44,660	1,446
2007	25,481	204	465	25,742	26,000	0	8	56,736	7,900	6,625	47,498	1,339
2008	31,967	115	69	31,922	23,218	0	53	62,042	13,267	12,052	47,638	1,137
2009	33,792	1	175	33,966	21,128	-	6	62,346	12,406	11,131	48,947	993
2010	34,408	1	-287	34,121	18,282	-	4	58,276	8,900	7,475	48,599	778
2011	35,379	163	-256	34,960	14,207	-	3	54,808	7,342	6,202	46,223	1,243
2012	33,030	222	139	32,948	13,797	3	10	52,615	6,440	5,029	44,640	1,534
2013	33,790	36	370	34,123	14,405	10	39	54,231	9,151	7,599	43,634	1,446
2014	31,267	299	-543	30,424	17,560	3	456	52,430	9,823	8,128	40,888	1,719
2015	26,277	439	-50	25,788	18,935	7	100	47,233	5,140	3,457	40,420	1,673
2016	26,834	417	458	26,875	18,142	7	92	47,257	7,353	5,570	38,618	1,285
2017	18,124	483	-518	17,123	23,422	6	106	43,376	5,479	3,852	36,157	1,741
2018	19,776	1,044	-86	18,645	24,200	6	85	44,472	9,270	7,142	33,709	1,492
2019	19,493	681	521	19,332	22,216	6	81	43,096	8,821	7,081	33,198	1,078
2020	20,235	218	-235	19,781	18,723	5	72	38,351	8,525	6,881	28,890	936
2021	20,535	406	159	20,289	17,735	5	67	36,709	7,908	6,414	27,902	899
2022	21,227	96	-420	20,711	17,488	5	64	37,088	8,529	7,460	27,662	897
2023	20,786	257	-611	19,917	17,936	5	151	37,003	9,826	8,845	26,324	852
2024 <sup>p</sup>	26,056	284	799	26,571	16,804	4	76	42,286	14,921	13,949	26,510	855

1. 기초재고-기말재고

2. 가정, 상업, 공공부문 합계

1. Former stock-Ending stock

2. Sum of residential, commercial and public sector

## 4-4-3. 휘발유

## 4-4-3. Gasoline

단위: 천 배럴

Unit: Thousand barrels

	공급 Supply					소비 Consumption					
	수입 Imports	수출 Exports	재고변화 <sup>1</sup> Stock changes <sup>1</sup>	일차에너지 공급 TPES	정제생산 Petroleum Products	발전 및 열생산 투입 Power Generatoin & Others	전환 자체소비 Transforma tion own use	최종소비 TFC	산업 Industry	수송 Transport	건물 <sup>2</sup> Building <sup>2</sup>
1990	-	30	-237	-284	23,985	1	9	23,672	522	22,233	917
1991	-	992	-116	-1,109	29,874	2	12	28,706	669	26,926	1,111
1992	-	119	-10	-129	35,422	1	21	35,235	881	33,434	919
1993	-	520	-1,593	-2,114	44,737	0	10	42,508	1,178	40,499	831
1994	-	568	986	418	49,521	0	9	51,088	1,378	48,893	817
1995	-	442	-299	-740	60,445	0	7	59,382	1,416	57,043	923
1996	-	2,546	-259	-2,805	71,083	0	7	67,971	1,610	65,661	700
1997	-	10,169	-714	-10,885	82,300	1	7	71,355	1,931	68,767	657
1998	215	15,611	278	-15,117	76,111	-	5	61,089	2,457	57,729	903
1999	390	11,274	-284	-11,168	75,207	-	5	63,879	2,189	61,155	534
2000	740	14,869	-558	-14,687	76,336	-	3	62,382	2,184	59,744	454
2001	2,108	16,166	220	-13,842	76,502	0	3	62,704	2,669	59,474	562
2002	4,032	15,525	74	-11,421	76,744	1	3	64,076	3,093	60,333	650
2003	2,061	13,538	86	-11,397	71,385	1	23	60,477	2,014	57,843	621
2004	1,218	18,323	86	-17,020	74,969	2	5	58,148	2,025	55,587	535
2005	78	14,515	92	-14,345	73,877	2	4	59,559	2,059	56,928	573
2006	-	19,927	-77	-20,005	80,616	4	4	59,871	1,893	57,399	579
2007	-	15,336	-121	-15,458	78,375	3	5	62,498	1,611	60,432	455
2008	-	30,911	694	-30,217	93,710	5	4	62,933	1,558	60,897	478
2009	-	40,187	-553	-40,740	106,615	6	4	65,866	1,566	63,729	571
2010	-	39,338	-639	-39,977	108,921	5	4	68,926	1,508	66,815	603
2011	-	53,519	641	-52,878	122,473	3	4	69,571	1,555	67,448	568
2012	84	63,492	-1,898	-65,306	136,490	3	3	71,762	1,503	69,624	635
2013	1,718	64,013	37	-62,258	134,758	3	10	73,407	1,547	71,162	698
2014	-	73,327	615	-72,712	145,127	1	3	73,471	1,461	71,186	825
2015	387	79,293	-658	-79,565	156,999	4	3	76,566	1,430	74,265	871
2016	1,391	76,258	-593	-75,460	154,036	0	3	78,926	1,348	76,897	680
2017	1,127	82,217	21	-81,069	160,624	0	3	79,616	1,500	77,518	598
2018	174	87,895	-1,503	-89,223	169,511	0	3	79,683	1,388	77,710	584
2019	130	87,872	1,045	-86,697	170,280	0	2	82,750	1,353	80,942	455
2020	0	74,147	1,229	-72,918	151,408	0	2	80,965	1,298	79,388	278
2021	299	98,370	-539	-98,611	178,751	0	2	84,873	1,189	83,389	295
2022	86	100,335	-396	-100,646	183,838	0	2	88,368	1,128	86,957	283
2023	804	101,997	-762	-101,956	188,916	0	2	90,361	1,110	88,959	292
2024 <sup>p</sup>	383	114,973	395	-114,195	205,453	0	2	95,043	1,147	93,601	294

1. 기초재고-기말재고

1. Former stock-Ending stock

2. 가정, 상업, 공공부문 합계

2. Sum of residential, commercial and public sector



## 4-4-4. 항공유

## 4-4-4. Aviation Fuel

단위: 천 배럴

Unit: Thousand barrels

	공급 Supply						소비 Consumption					
	수입 Imports	수출 Exports	국제항공 병커링 Intl. Aviation Bunkers	재고변화 <sup>1</sup> Stock changes <sup>1</sup>	일차에너지 공급 TPES	정제생산 Petroleum Products	발전 및 열생산 투입 Power Generatoin & Others	전환 자체소비 Transform ation own use	최종소비 TFC			
										산업 Industry	수송 Transport	건물 <sup>2</sup> Building <sup>2</sup>
1990	6	-	10,103	-344	-10,442	16,405	-	0	6,725	-	16	6,709
1991	9	3,131	11,010	-149	-14,281	18,696	-	0	5,937	-	17	5,921
1992	-	7,543	13,173	380	-20,336	21,034	-	0	2,941	-	15	2,927
1993	-	5,576	14,545	240	-19,881	20,230	-	1	2,738	-	31	2,708
1994	-	6,168	16,334	-601	-23,103	26,196	-	1	2,759	1	35	2,724
1995	115	13,435	18,476	-16	-31,812	34,981	-	0	2,961	4	33	2,924
1996	4,408	19,670	20,191	105	-35,348	38,862	-	0	3,355	2	26	3,327
1997	3,582	19,942	21,990	-458	-38,808	42,399	-	1	3,031	1	43	2,988
1998	1,210	42,764	18,197	-288	-60,040	63,826	0	1	2,974	2	67	2,906
1999	3,828	34,333	18,829	308	-49,028	53,036	-	1	3,128	3	56	3,069
2000	1,696	37,675	19,875	-902	-56,756	59,568	-	4	2,628	2	62	2,563
2001	339	39,500	20,828	-805	-60,795	65,251	-	2	4,168	11	63	4,094
2002	2,781	42,006	23,525	856	-61,894	67,734	-	0	3,482	13	65	3,404
2003	3,459	27,658	24,725	-184	-49,107	55,020	-	0	4,895	15	68	4,812
2004	215	45,508	26,349	-839	-72,481	76,644	-	0	4,753	18	85	4,651
2005	1	54,533	27,422	1,682	-80,272	84,904	-	0	4,832	15	93	4,724
2006	3	62,399	22,236	-556	-85,188	95,490	-	0	10,686	14	7,297	3,375
2007	2	72,350	30,942	-1,023	-104,312	105,699	-	0	3,700	1	479	3,221
2008	251	76,869	28,230	1,054	-103,793	107,675	-	-	5,229	1	2,223	3,006
2009	2	69,819	26,889	201	-96,504	102,664	-	-	6,120	0	2,672	3,448
2010	6	71,449	29,935	-262	-101,641	105,458	-	-	6,188	0	2,715	3,473
2011	16	81,239	30,191	-394	-111,808	118,137	-	-	7,401	0	3,748	3,653
2012	18	91,539	30,208	-562	-122,291	130,697	-	-	9,623	0	6,167	3,455
2013	17	89,534	31,895	-727	-122,139	129,990	-	-	8,735	3	5,248	3,484
2014	6	93,840	31,973	940	-124,867	135,208	-	0	11,356	0	7,855	3,501
2015	4	107,272	32,882	337	-139,813	151,720	-	-	13,057	9	9,371	3,677
2016	7	111,378	36,733	-1,164	-149,268	160,738	-	-	12,673	5	9,180	3,488
2017	3	121,203	37,604	-1,238	-160,042	174,006	-	-	13,370	2	9,793	3,575
2018	3	115,417	39,620	-810	-155,845	170,998	-	-	13,724	2	10,033	3,689
2019	3	114,850	40,375	108	-155,114	170,766	-	-	13,120	3	9,833	3,284
2020	5	82,248	25,204	1,605	-105,842	112,582	-	-	7,793	2	4,484	3,307
2021	5	65,465	19,801	1,150	-84,111	97,182	-	-	15,531	5	12,075	3,451
2022	2	85,772	24,850	-58	-110,677	122,855	-	0	15,606	5	12,038	3,563
2023	304	92,805	40,266	-933	-133,699	139,254	-	0	9,519	10	6,438	3,071
2024 <sup>p</sup>	14	92,872	49,565	633	-141,790	145,120	-	0	6,730	8	3,472	3,250

1. 기초재고-기말재고

1. Former stock-Ending stock

2. 가정, 상업, 공공부문 합계

2. Sum of residential, commercial and public sector

주: 항공휘발유, 휘발유형항공유, 등유형항공유의 합계

Note: Sum of Aviation gasoline, gasoline type jet fuel and kerosene type jet fuel

## 4-4-5. 등유

## 4-4-5. Kerosene

단위: 천 배럴

Unit: Thousand barrels

	공급 Supply					소비 Consumption					
	수입 Imports	수출 Exports	재고변화 <sup>1</sup> Stock changes <sup>1</sup>	일차에너지 공급 TPES	정제생산 Petroleum Products	발전 및 열생산 투입 Power Generatoin & Others	전환 자체소비 Transforma tion own use	최종소비 TFC			
									산업 Industry	수송 Transport	건물 <sup>2</sup> Building <sup>2</sup>
1990	17,465	97	-4,916	12,452	13,600	3	54	23,684	4,724	156	18,804
1991	9,771	-	4,289	14,060	13,771	3	4	25,465	4,663	152	20,650
1992	8,986	3	-1,334	7,648	29,186	5	9	34,077	4,945	240	28,893
1993	16,016	5	-1,726	14,285	31,874	2	5	43,149	7,994	1,049	34,105
1994	17,087	465	-951	15,670	30,926	7	5	47,741	5,479	219	42,044
1995	23,361	564	-340	22,457	40,852	2	6	62,522	7,141	228	55,152
1996	27,679	2,913	-1,732	23,030	51,235	22	10	73,508	7,375	292	65,841
1997	15,769	10,250	1,751	7,265	76,329	20	5	83,125	12,209	279	70,637
1998	5,103	6,949	-1,476	-3,337	65,574	68	105	60,349	10,675	336	49,338
1999	2,687	14,986	-182	-12,481	90,380	1,112	167	75,803	8,538	151	67,113
2000	6,870	19,874	-2,832	-15,836	87,824	955	158	68,918	8,237	57	60,623
2001	5,310	18,006	2,093	-10,603	75,525	505	360	61,799	6,800	101	54,897
2002	6,917	10,205	3,751	455	62,721	1,064	264	58,919	7,279	203	51,437
2003	6,624	13,144	-1,230	-7,755	64,500	1,760	308	52,740	6,551	183	46,007
2004	1,710	7,693	1,702	-4,286	50,535	836	62	43,872	6,165	107	37,601
2005	360	4,455	1,622	-2,474	45,271	804	37	40,094	6,352	93	33,649
2006	259	4,763	-1,906	-6,410	41,220	1,082	28	31,839	5,536	75	26,228
2007	514	1,250	1,102	367	30,021	808	258	26,601	5,012	55	21,534
2008	379	2,396	1,221	-796	31,846	662	628	27,935	4,785	60	23,090
2009	68	5,425	102	-5,256	33,348	795	43	26,096	4,592	61	21,444
2010	331	6,462	-703	-6,834	39,176	854	22	29,541	5,456	88	23,996
2011	417	8,960	549	-7,994	35,813	542	19	25,974	4,777	96	21,101
2012	211	7,582	377	-6,994	32,625	483	15	22,563	4,117	162	18,284
2013	98	6,685	-303	-6,890	28,204	685	12	19,238	3,619	58	15,562
2014	133	4,438	560	-3,750	23,097	707	100	15,956	1,904	31	14,021
2015	11	3,769	-531	-4,298	24,958	888	20	16,861	1,399	57	15,405
2016	18	2,065	81	-1,972	25,688	1,382	11	19,245	1,491	18	17,737
2017	37	5,266	447	-4,783	25,606	1,211	20	18,729	1,248	19	17,462
2018	1	6,530	-488	-7,018	26,829	1,254	10	18,511	1,277	32	17,202
2019	35	4,171	-235	-4,371	21,485	1,330	10	16,668	1,521	44	15,102
2020	80	6,397	961	-5,355	44,384	1,105	4	16,831	2,256	50	14,525
2021	216	7,878	-384	-8,046	53,657	1,191	4	16,490	2,280	38	14,171
2022	38	5,014	387	-4,590	47,659	1,462	1	15,446	2,086	34	13,327
2023	22	3,993	-701	-4,672	46,318	1,677	1	13,123	1,736	5	11,382
2024 <sup>p</sup>	18	7,792	219	-7,555	45,463	2,037	1	12,235	1,579	6	10,650

1. 기초재고-기말재고

2. 가정, 상업, 공공부문 합계

1. Former stock-Ending stock

2. Sum of residential, commercial and public sector

## 4-4-6. 경유

## 4-4-6. Diesel

단위: 천 배럴

Unit: Thousand barrels

	공급 Supply					소비 Consumption					
	수입 Imports	수출 Exports	재고변화 <sup>1</sup> Stock changes <sup>1</sup>	일차에너지 공급 TPES	정제생산 Petroleum Products	발전 및 열생산 투입 Power Generatoin & Others	전환 자체소비 Transforma tion own use	최종소비 TFC			
									산업 Industry	수송 Transport	건물 <sup>2</sup> Building <sup>2</sup>
1990	13,586	10,453	664	1,351	95,010	1,755	315	94,104	21,538	52,237	20,328
1991	10,803	20,661	-1,465	-15,565	127,080	2,027	186	110,620	23,669	58,348	28,603
1992	5,781	27,124	-1,983	-28,461	153,717	4,022	203	121,487	24,682	63,645	33,160
1993	11,226	35,709	-816	-29,991	168,233	2,127	141	134,712	29,036	77,047	28,630
1994	17,435	34,310	-562	-23,461	166,155	2,886	139	142,732	27,880	75,112	39,740
1995	32,190	42,443	-2,547	-20,066	181,389	6,096	125	155,423	29,292	84,840	41,291
1996	18,540	54,208	-676	-45,215	215,452	10,352	142	159,719	31,020	90,471	38,229
1997	3,134	93,711	-465	-100,279	264,509	8,679	323	156,016	31,794	88,402	35,820
1998	2,198	109,238	1,995	-115,612	232,804	1,868	85	115,876	23,498	68,956	23,422
1999	2,311	88,353	614	-96,305	219,311	1,089	93	122,006	22,985	77,191	21,830
2000	2,818	96,675	-611	-102,669	228,204	496	46	126,367	25,080	88,255	13,032
2001	6,681	90,440	1,350	-90,424	218,943	291	46	129,549	25,164	92,663	11,723
2002	12,928	76,235	1,797	-69,308	205,437	689	37	135,322	23,189	101,141	10,993
2003	11,141	60,817	-201	-57,994	200,644	2,306	35	141,240	21,125	108,309	11,807
2004	4,290	68,038	-1,643	-73,553	215,217	194	47	141,733	19,618	110,186	11,929
2005	1,912	85,890	1,531	-89,473	229,813	132	39	140,864	19,188	109,922	11,754
2006	1,582	91,520	-904	-97,441	236,329	199	28	140,326	20,530	110,170	9,625
2007	765	102,974	-1,759	-110,333	250,438	179	41	142,400	20,983	111,404	10,012
2008	369	130,936	1,624	-134,672	267,800	196	43	131,296	18,752	103,846	8,698
2009	836	125,474	1,110	-128,320	258,387	137	40	128,902	19,271	100,828	8,803
2010	758	130,761	-852	-135,778	267,196	237	39	130,479	20,332	101,266	8,881
2011	950	159,181	907	-161,483	292,885	599	36	129,839	20,082	101,100	8,657
2012	4,897	176,464	-1,970	-177,224	309,772	1,128	42	131,917	19,572	103,242	9,103
2013	8,597	163,759	-164	-159,354	299,242	741	40	138,477	20,597	108,608	9,271
2014	5,152	174,142	896	-172,798	315,056	131	33	140,824	18,961	111,390	10,473
2015	267	171,999	-2,403	-181,337	334,360	83	36	151,750	17,569	121,217	12,964
2016	198	175,032	2,497	-179,118	339,998	186	37	161,183	16,953	130,748	13,482
2017	236	176,154	-854	-184,218	347,167	93	44	163,026	16,051	132,721	14,254
2018	237	190,712	-1,686	-199,308	360,752	329	37	160,316	15,129	133,341	11,845
2019	138	195,231	676	-203,407	367,540	972	32	163,781	15,810	137,642	10,329
2020	19	200,099	2,962	-207,256	351,750	391	44	155,042	16,479	131,401	7,162
2021	0	180,871	-633	-194,224	337,745	616	11	156,318	15,524	134,062	6,732
2022	300	203,530	-528	-219,163	363,454	964	11	151,783	15,540	129,608	6,635
2023	-	196,509	-1,708	-212,378	351,798	728	9	150,423	16,255	127,216	6,952
2024 <sup>p</sup>	-	204,713	1,800	-217,411	354,706	388	14	145,288	15,431	123,485	6,372

1. 기초재고-기말재고

1. Former stock-Ending stock

2. 가정, 상업, 공공부문 합계

2. Sum of residential, commercial and public sector

## 4-4-7. 중유

## 4-4-7. Fuel Oil

단위: 천 배럴

Unit: Thousand barrels

	공급 Supply						소비 Consumption						
	수입 Imports	수출 Exports	국제항공 병커링 Intl. Aviation Bunkers	재고변화 <sup>1</sup> Stock changes <sup>1</sup>	일차에너지 공급 TPES	정제생산 Petroleum Products	발전 및 열생산 투입 Power Generatoin & Others	전환 자체소비 Transform ation own use	최종소비 TFC				
										산업 Industry	수송 Transport	건물 <sup>2</sup> Building <sup>2</sup>	
1990	27,658	12,091		6	972	307	102,705	27,961	2,114	68,700	58,414	1,507	8,778
1991	34,209	37,925		1	-2,563	-28,806	147,943	40,938	1,344	76,612	63,221	1,471	11,920
1992	34,271	50,708		0	527	-44,402	178,972	49,306	625	83,929	69,600	1,717	12,612
1993	32,624	49,693		-	1,092	-46,346	188,587	48,668	700	92,913	71,316	7,576	14,021
1994	35,486	40,082		0	-2,861	-42,230	190,927	54,735	642	98,315	78,430	6,957	12,928
1995	24,824	40,238		0	897	-54,587	208,597	58,162	744	95,006	75,615	6,557	12,834
1996	29,143	43,075		0	-950	-63,899	214,255	55,249	719	92,980	77,671	3,115	12,194
1997	26,757	50,242		-	-1,530	-79,383	238,153	50,588	15,147	93,040	69,937	12,823	10,280
1998	12,926	60,240		-	1,852	-100,855	207,207	22,255	15,861	67,156	58,104	3,170	5,882
1999	16,497	82,375		-	373	-126,631	240,188	24,626	16,539	72,416	65,076	1,553	5,787
2000	25,107	72,157		-	-1,202	-106,441	230,510	39,792	15,839	68,295	59,187	3,656	5,452
2001	22,318	67,011		-	-606	-100,974	225,792	43,923	15,981	64,461	55,192	4,185	5,083
2002	23,700	35,025		-	667	-64,499	189,808	38,036	15,639	64,362	54,587	4,563	5,213
2003	13,829	45,835		-	1,356	-88,754	204,384	36,398	14,950	60,260	50,240	4,670	5,350
2004	8,285	45,539		-	-1,528	-99,298	202,451	33,135	14,868	54,912	46,139	4,379	4,395
2005	4,021	56,065		-	2,423	-111,226	211,249	30,840	16,184	52,392	43,532	4,521	4,339
2006	8,749	58,266		-	-1,343	-112,998	207,786	29,418	15,766	47,737	39,137	4,109	4,491
2007	5,910	42,699		-	1,398	-92,584	185,084	30,397	15,606	44,432	35,188	3,950	5,294
2008	7,192	35,352		-	-119	-83,026	151,959	17,285	14,611	37,503	29,242	4,239	4,021
2009	19,858	25,814		-	429	-55,380	126,246	23,172	13,665	33,045	25,683	4,220	3,141
2010	17,478	25,884		-	-921	-61,905	125,491	21,273	10,424	30,579	23,851	3,857	2,871
2011	15,392	34,486		-	-1,209	-72,754	124,752	14,999	10,245	25,820	19,454	3,868	2,498
2012	27,264	28,428		0	640	-51,843	102,513	22,081	7,292	19,235	13,751	3,588	1,895
2013	44,281	22,434		0	205	-27,572	81,718	22,796	8,439	13,328	9,739	1,893	1,696
2014	52,006	13,810		-	-763	-12,687	55,781	11,218	7,828	11,541	8,983	1,362	1,196
2015	46,737	10,965		-	-520	-18,430	58,921	12,637	8,563	12,817	9,230	2,153	1,434
2016	47,228	13,512		-	1,759	-26,129	72,756	18,981	10,408	12,667	9,670	1,815	1,182
2017	40,091	16,657		-	-1,042	-36,255	70,065	7,530	8,927	11,059	8,304	1,484	1,271
2018	42,915	26,345		-	-281	-39,236	70,667	7,859	5,255	9,987	7,714	1,224	1,048
2019	31,585	17,490		-	2,032	-29,164	59,492	4,145	2,124	8,402	6,108	1,513	780
2020	29,626	13,262		-	1,178	-37,982	76,999	3,089	1,779	6,833	5,216	1,150	467
2021	37,239	8,829		-	-1,047	-29,959	77,512	2,903	719	6,405	4,547	1,557	300
2022	20,800	12,776		-	693	-53,364	93,575	2,019	607	6,697	4,741	1,692	265
2023	31,512	6,165		-	864	-31,766	78,914	1,309	520	6,885	4,777	1,752	356
2024 <sup>p</sup>	41,830	4,662		-	-925	-24,971	82,992	621	675	5,303	3,819	1,180	304

1. 기초재고-기말재고

1. Former stock-Ending stock

2. 가정, 상업, 공공부문 합계

2. Sum of residential, commercial and public sector

주: 경질중유, 중유, 중질중유의 합계

Note: Sum of Bunker-A, Bunker-B and Bunker-C

## 4-4-8. 납사

## 4-4-8. Naphtha

단위: 천 배럴

Unit: Thousand barrels

	공급 Supply					소비 Consumption						
	수입 Imports	수출 Exports	재고변화 <sup>1</sup> Stock changes <sup>1</sup>	일차에너지 공급 TPES	정제생산 Petroleum Products	발전 및 열생산 투입 Power Generatoin & Others	전환 자체소비 Transfor mation own use	최종소비 TFC				
									산업 Industry	석유화학원료 Petrochem feedstock	수송 Transport	건물 <sup>2</sup> Building <sup>2</sup>
1990	15,409	3,325	97	12,181	31,151	-	3	43,065	43,065	15,513	-	-
1991	24,862	5,625	-1,373	17,864	44,544	-	3	56,867	56,867	17,200	-	-
1992	47,948	5,430	-1,911	40,607	54,253	-	1	85,528	85,528	65,874	-	-
1993	62,414	10,328	-323	51,762	54,775	-	1	97,793	97,793	79,484	-	-
1994	72,167	9,148	457	63,477	82,313	-	0	127,970	127,970	127,202	-	-
1995	71,837	21,337	934	51,434	76,620	-	0	119,775	119,775	110,903	-	-
1996	80,204	30,771	-1,448	47,986	90,630	-	0	128,775	128,775	116,086	-	-
1997	79,326	36,942	-1,306	41,078	112,554	-	264	152,960	152,960	133,707	-	-
1998	105,100	44,848	102	60,354	119,287	-	316	179,074	179,074	158,211	-	-
1999	101,119	46,218	1,789	56,690	133,315	-	274	189,101	189,101	185,739	-	-
2000	111,283	48,849	-737	61,696	142,054	-	267	202,634	202,615	193,150	-	20
2001	119,738	51,228	-2,234	66,276	135,983	-	333	201,551	201,551	193,747	-	-
2002	121,912	44,943	1,537	78,506	133,103	-	795	210,762	210,762	203,308	-	-
2003	131,981	30,970	1,745	102,756	116,501	-	361	218,881	218,881	200,121	-	-
2004	131,368	31,157	-5,097	95,114	131,886	-	243	226,789	226,789	214,475	-	-
2005	123,292	25,793	1,006	98,505	138,131	-	199	234,590	234,590	222,960	-	-
2006	126,964	27,991	899	99,872	142,343	-	182	243,267	243,267	231,194	-	-
2007	143,766	29,423	1,021	115,364	149,630	-	22	266,283	266,283	252,015	-	-
2008	153,381	22,915	-153	130,313	124,344	-	38	254,818	254,818	243,099	-	-
2009	180,840	26,569	1,456	155,727	116,317	-	92	272,112	272,112	259,369	-	-
2010	188,600	32,111	-506	155,982	133,950	-	0	289,885	289,885	281,206	-	-
2011	188,507	35,386	252	153,373	149,304	-	-	303,306	303,306	296,375	-	-
2012	207,444	33,287	-2,987	171,171	157,159	-	0	328,363	328,361	323,847	-	2
2013	208,297	39,552	-1,332	167,413	160,125	-	0	327,806	327,806	327,806	-	-
2014	205,726	35,363	-88	170,276	166,557	-	19	335,886	335,886	335,886	-	-
2015	197,617	47,839	690	150,468	196,028	-	0	346,570	346,570	346,570	-	-
2016	202,224	49,763	-186	152,275	213,617	-	0	362,868	362,868	362,868	-	-
2017	199,632	44,194	2,104	157,542	249,148	-	0	384,242	384,242	384,242	-	-
2018	218,814	43,564	-4,891	170,359	248,724	-	-	372,559	372,559	372,559	-	-
2019	226,088	47,382	3,501	182,206	254,353	-	-	365,443	365,443	365,443	-	-
2020	215,878	36,680	-5,309	173,888	224,885	-	-	333,825	333,825	333,825	-	-
2021	253,313	31,203	2,375	224,486	214,883	-	-	369,918	369,918	369,918	-	-
2022	236,608	33,944	1,068	203,732	224,504	-	-	355,984	355,984	355,984	-	-
2023	239,951	39,861	-1,631	198,458	222,856	-	-	337,784	337,784	337,784	-	-
2024 <sup>p</sup>	246,692	40,478	2,951	209,165	231,016	-	-	359,127	359,127	359,127	-	-

1. 기초재고-기말재고

2. 가정, 상업, 공공부문 합계

1. Former stock-Ending stock

2. Sum of residential, commercial and public sector

## 4-5. 석유제품 소비(2024p)

단위: 천 배럴

	합계 Total	%	정제가스 Refinery gas	프로판 Propane	부탄 Butane	휘발유 Gasoline	항공유 Jet oil	등유 Kerosene	경유 Diesel	경질중유 Bunker-A
국제해운병커링	75,713		-	0	-	0	-	-	14,498	65
국제항공병커링	49,565		-	-	-	-	49,565	-	-	-
전환공정 <sup>1</sup>	5,248		-	2,197	4	0	-	2,037	388	12
발전전용	2,644		-	82	4	0	-	2,034	388	-
열병합	734		-	680	-	-	-	-	-	12
열전용	787		-	352	-	-	-	3	-	-
가스제조	1,083		-	1,083	-	-	-	-	-	-
전환자체소비	39,445		35,177	1,537	76	2	0	1	14	-
<b>최종소비</b>	<b>796,398</b>	<b>100.0</b>	<b>8,641</b>	<b>78,275</b>	<b>42,286</b>	<b>95,043</b>	<b>6,730</b>	<b>12,235</b>	<b>145,288</b>	<b>1,037</b>
<b>산업</b>	<b>507,395</b>	<b>63.7</b>	<b>8,641</b>	<b>59,570</b>	<b>14,921</b>	<b>1,147</b>	<b>8</b>	<b>1,579</b>	<b>15,431</b>	<b>571</b>
농림업	2,810	0.4	-	49	1	230	-	943	1,421	35
어업	5,750	0.7	-	13	-	596	-	-	5,100	7
광업	338	0.0	-	19	0	1	-	5	275	30
제조업	485,171	60.9	8,641	59,401	14,920	259	8	483	4,866	272
식품 및 담배	328	0.0	-	212	0	0	-	29	18	0
섬유 및 가죽	101	0.0	-	41	2	0	-	11	11	0
목재 및 나무제품	51	0.0	-	3	-	2	-	4	27	-
제지 및 인쇄	193	0.0	-	53	-	1	-	4	41	1
화학 및 석유화학	456,796	57.4	8,461	50,733	14,029	1	-	48	61	13
메모: 석유화학 원료	420,821	52.8	-	47,737	13,949	-	-	-	9	-
비금속광물	3,190	0.4	-	346	0	7	-	10	950	17
철강	431	0.1	-	407	-	-	-	3	19	1
비철금속	329	0.0	-	156	1	-	-	-	23	0
기계류	584	0.1	-	174	0	5	-	61	266	51
수송장비	2,245	0.3	-	347	28	208	6	36	830	176
기타제조	9,485	1.2	-	6,824	859	34	2	260	809	13
기타에너지	11,438	1.4	181	106	1	-	-	18	1,811	-
건설업	13,326	1.7	-	88	-	61	-	147	3,768	227
<b>수송</b>	<b>248,272</b>	<b>31.2</b>	<b>-</b>	<b>18</b>	<b>26,510</b>	<b>93,601</b>	<b>3,472</b>	<b>6</b>	<b>123,485</b>	<b>410</b>
철도	384	0.0	-	0	-	-	-	-	384	-
도로	241,989	30.4	-	4	26,510	93,601	-	4	121,869	0
국내해운	2,380	0.3	-	10	-	-	-	-	1,190	410
국내항공	3,519	0.4	-	4	-	0	3,472	2	41	-
<b>가정</b>	<b>14,589</b>	<b>1.8</b>	<b>-</b>	<b>6,072</b>	<b>115</b>	<b>3</b>	<b>-</b>	<b>8,371</b>	<b>10</b>	<b>5</b>
<b>상업</b>	<b>18,135</b>	<b>2.3</b>	<b>-</b>	<b>12,356</b>	<b>739</b>	<b>65</b>	<b>92</b>	<b>2,074</b>	<b>2,245</b>	<b>20</b>
<b>공공</b>	<b>8,007</b>	<b>1.0</b>	<b>-</b>	<b>259</b>	<b>1</b>	<b>226</b>	<b>3,158</b>	<b>205</b>	<b>4,117</b>	<b>31</b>

1. 전환공정 중 석유제품이 생산되는 석유제품 정제 생산은 제외

## 4-5. Petroleum Product Consumption Status in 2024p

Unit: Thousand barrels

중유 Bunker-B	중질중유 Bunker-C	납사 Naphtha	용제 White spirit & SBP	윤활유 Lubricant	아스팔트 Bitumen	파라핀왁스 Para. - wax	석유코크 Pet. - coke	기타석유제품 Other oil products	
0	61,150	-	0	-	-	-	-	-	International marine bunkers
-	-	-	-	-	-	-	-	-	International aviation bunkers
-	610	-	-	-	-	-	-	-	Transformation processes <sup>1</sup>
-	135	-	-	-	-	-	-	-	Electricity-only plants
-	42	-	-	-	-	-	-	-	CHP plants
-	432	-	-	-	-	-	-	-	Heat-only plants
-	-	-	-	-	-	-	-	-	Gas manufacturing
-	675	-	0	0	-	-	1,964	-	Transformation Own Use
<b>66</b>	<b>4,200</b>	<b>359,127</b>	<b>1,561</b>	<b>8,291</b>	<b>9,021</b>	<b>168</b>	<b>715</b>	<b>23,714</b>	<b>Total final consumption</b>
<b>49</b>	<b>3,198</b>	<b>359,127</b>	<b>1,341</b>	<b>8,291</b>	<b>9,021</b>	<b>168</b>	<b>715</b>	<b>23,616</b>	<b>Industry</b>
40	89	-	2	-	-	-	-	-	Agriculture/Forestry
2	33	-	-	-	-	-	-	-	Fishing
0	7	-	1	-	-	-	-	-	Mining & quarrying
6	3,059	359,127	1,338	8,291	-	168	715	23,616	Manufacturing
1	67	-	-	-	-	-	-	-	Food & tobacco
0	29	-	7	-	-	-	-	-	Textile & leather
-	15	-	0	-	-	-	-	-	Wood & wood pro.
1	39	-	53	-	-	-	-	-	Paper, pulp & print
1	738	359,127	913	-	-	121	-	22,549	Chemical & petrochemical
-	-	359,127	-	-	-	-	-	-	memo: petrochemical feedstock
1	1,235	-	0	-	-	-	625	-	Non-metallic minerals
-	1	-	1	-	-	-	-	-	Iron & steel
0	148	-	1	-	-	-	-	-	Non-ferrous metals
0	20	-	6	-	-	-	-	-	Machinery
-	610	-	4	-	-	-	-	-	Transport equipment
1	138	-	188	-	-	8	-	349	Other manufacturing
-	19	-	165	8,291	-	39	90	717	Other energy
1	11	-	-	-	9,021	-	-	-	Construction
<b>11</b>	<b>760</b>	<b>-</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>Transport</b>
-	-	-	-	-	-	-	-	-	Rail
0	0	-	0	-	-	-	-	-	Road
11	760	-	-	-	-	-	-	-	Domestic navigation
-	-	-	-	-	-	-	-	-	Domestic aviation
<b>2</b>	<b>11</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>Residential</b>
<b>2</b>	<b>225</b>	<b>-</b>	<b>218</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>98</b>	<b>Commercial</b>
<b>1</b>	<b>7</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>Public services</b>

1. Refining production processes in which petroleum products are produced were excluded.

## 5. 석유제품 소비자 가격

## 5. Retail Prices of Petroleum Products

	휘발유 <sup>1</sup> Gasoline <sup>1</sup>	실내등유 <sup>1</sup> Kerosene (Residential) <sup>1</sup>	자동차용 경유 <sup>1</sup> Diesel (Automotive) <sup>1</sup>	프로판 <sup>2</sup> Propane <sup>2</sup>	부탄 Butane	
					일반용 <sup>2</sup> Residential· Commercial <sup>2</sup>	자동차용 <sup>1</sup> Automotive <sup>1</sup>
	원/리터 (KRW/ℓ)			원/kg (KRW/kg)	원/리터 (KRW/ℓ)	
1990	383.5	191.3	182.0	415.0	-	-
1991	480.7	226.9	182.0	430.4	-	-
1992	555.8	235.8	198.7	449.4	-	-
1993	610.0	254.0	214.0	460.0	-	-
1994	611.0	271.0	227.1	475.0	-	-
1995	598.0	261.6	239.4	489.7	-	-
1996	675.8	314.7	300.8	510.0	-	-
1997	838.7	373.5	376.2	599.0	-	-
1998	1,122.6	524.2	553.5	815.0	-	-
1999	1,191.9	491.2	521.8	678.3	-	-
2000	1,248.4	559.6	612.8	809.3	-	-
2001	1,280.0	580.2	644.6	919.0	1,138.9	440.0
2002	1,269.1	554.4	677.6	887.3	1,108.1	457.7
2003	1,294.8	638.8	772.0	980.0	1,193.3	567.4
2004	1,365.3	752.2	907.9	1,050.2	1,234.5	673.9
2005	1,432.3	871.0	1,079.7	1,131.5	1,305.1	723.4
2006	1,492.4	931.9	1,228.2	1,242.7	1,392.3	747.9
2007	1,525.9	932.2	1,272.7	1,330.6	1,453.7	773.8
2008	1,692.1	1,238.7	1,614.4	1,789.9	1,898.2	1,009.0
2009	1,600.7	976.2	1,397.5	1,577.2	1,885.0	828.7
2010	1,710.4	1,076.0	1,502.8	1,812.7	2,072.0	952.2
2011	1,929.3	1,321.2	1,745.7	2,034.0	2,277.3	1,076.1
2012	1,985.8	1,394.1	1,806.3	2,105.9	2,352.0	1,101.9
2013	1,924.5	1,366.7	1,729.6	2,085.3	2,337.6	1,070.8
2014	1,827.3	1,296.7	1,636.7	2,112.9	2,369.3	1,051.2
2015	1,510.4	947.4	1,299.6	1,801.3	2,033.9	806.4
2016	1,402.6	784.5	1,182.5	1,689.1	1,913.5	734.0
2017	1,491.3	853.1	1,282.5	1,833.8	2,074.7	826.5
2018	1,581.4	942.3	1,391.9	1,920.4	2,177.4	874.5
2019	1,472.4	961.7	1,340.5	1,869.9	2,140.4	806.3
2020	1,381.4	853.8	1,189.7	1,851.2	2,148.0	790.8
2021	1,590.6	946.8	1,391.4	2,092.3	2,415.1	932.2
2022	1,812.8	1,473.9	1,842.9	2,478.1	2,854.7	1,081.8
2023	1,643.0	1,403.0	1,558.3	2,372.7	2,774.2	957.4
2024	1,646.7	1,344.8	1,502.7	2,445.9	2,867.9	995.3

1. 주유소/충전소 판매가격

2. 일반용 프로판 및 부탄의 판매소 판매가격

자료: 한국석유공사

1. Salse price at gas and charging station.

2. Sales prices for general-purpose propane and butane.

Source: Korea National Oil Corporation



## 6. 정제 능력

## 6. Refining Capacities

단위: 천 배럴

Unit: Thousand BPSD

	합계 Total	SK에너지 SK Energy	GS칼텍스 GS Caltex	SK인천석유화학 SK Incheon Petrochem	현대오일뱅크 Hyundai Oilbank	에스-오일 S-Oil
1990	840	280	380	60	60	60
1991	1,035	375	380	60	60	160
1992	1,675	585	380	275	110	325
1993	1,675	585	380	275	110	325
1994	1,700	610	380	275	110	325
1995	1,818	610	380	275	110	443
1996	2,438	810	600	275	310	443
1997	2,438	810	600	275	310	443
1998	2,438	810	600	275	310	443
1999	2,438	810	600	275	310	443
2000	2,438	810	600	275	310	443
2001	2,438	810	600	275	310	443
2002	2,438	810	600	275	310	443
2003	2,438	810	600	275	310	443
2004	2,735	840	650	275	390	580
2005	2,735	840	650	275	390	580
2006	2,735	840	650	275	390	580
2007	2,765	840	680	275	390	580
2008	2,785	1,115	700	-	390	580
2009	2,835	1,115	750	-	390	580
2010	2,845	1,115	760	-	390	580
2011	2,934	1,115	775	-	390	654
2012	2,949	1,115	775	-	390	669
2013	2,949	1,115	775	-	390	669
2014	3,009	1,165	785	-	390	669
2015	3,059	1,215	785	-	390	669
2016	3,064	1,215	790	-	390	669
2017	3,105	1,215	790	-	431	669
2018	3,204	1,215	800	-	520	669
2019	3,204	1,215	800	-	520	669
2020	3,204	1,215	800	-	520	669
2021	3,204	1,215	800	-	520	669
2022	3,204	1,215	800	-	520	669
2023	3,204	1,215	800	-	520	669
2024	3,204	1,215	800	-	520	669

자료: 대한석유협회

Source: Korea Petroleum Association

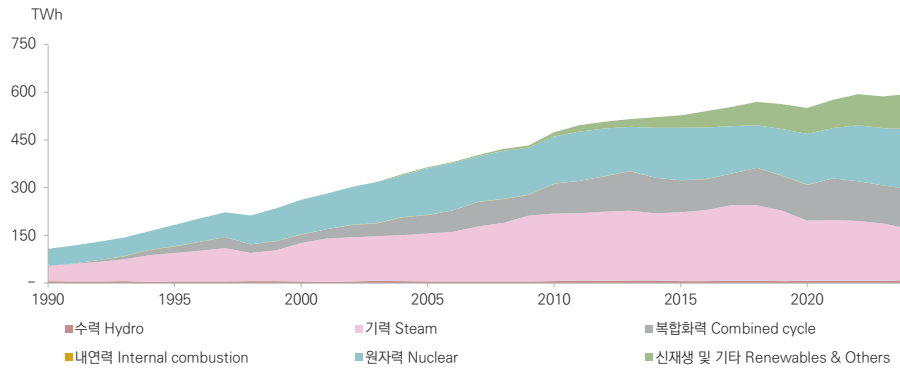






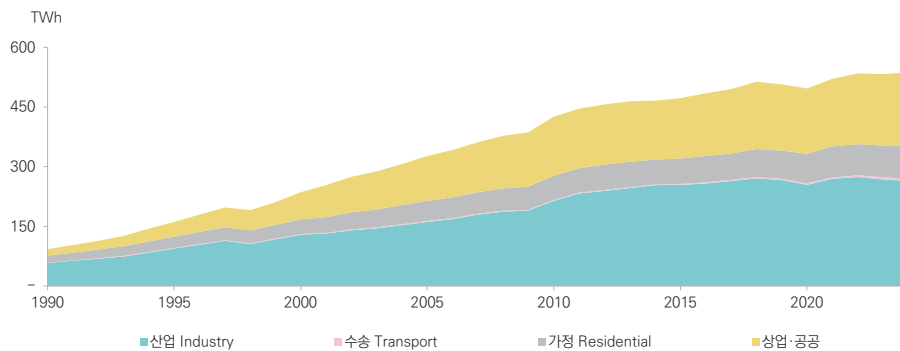
## ● 발전 설비별 발전량 Power Generation Amount by Generating Facility

〈1990~2024〉



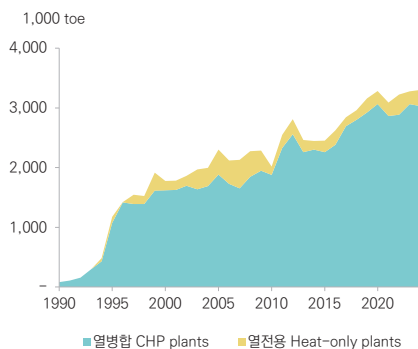
## ● 부문별 전력 소비 Electricity Consumption by Sector

〈1990~2024p〉



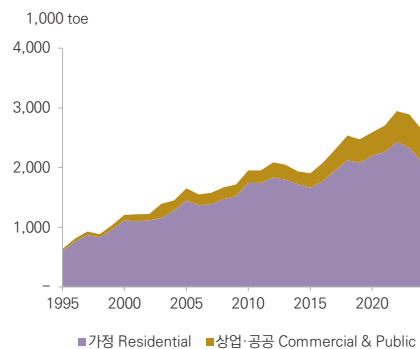
## ● 전환공정 내 열생산 Heat Production in the Transformation Processes

〈1990~2024p〉



## ● 열 소비 Heat Consumption

〈1990~2024p〉



## 1. 주요 전력 지표

	단위 Unit	1961	1981	1985	1990	1995	2000	2005
발전설비	kW	426,287	11,029,344	17,639,982	24,055,893	35,355,785	53,684,913	67,075,240
한전, 자회사	kW	367,254	9,130,580	15,013,903	19,782,833	30,561,633	44,566,083	55,956,412
타사	kW	-	704,800	1,122,800	1,238,290	1,622,240	3,884,634	6,301,785
상용자가	kW	59,033	1,193,964	1,503,279	3,034,770	3,171,912	5,234,196	4,817,043
총발전량	MWh	1,936,418	44,088,303	62,667,201	118,460,795	203,546,465	290,442,948	389,479,512
한전, 자회사	MWh	1,772,921	37,428,005	56,179,998	103,184,998	179,073,203	256,841,584	349,758,383
타사	MWh	-	2,778,660	1,754,007	4,206,029	4,032,626	4,836,511	14,611,607
상용자가 <sup>1</sup>	MWh	163,497	3,881,638	4,733,196	11,067,768	20,440,636	28,764,853	25,109,522
		-	-	-	-	(1,554,996)	(4,721,413)	(269,341)
소내 전력량	MWh	89,337	2,102,514	3,422,742	5,394,570	8,298,749	12,328,447	16,451,551
소내 전력률	%	5.04	5.23	5.91	5.02	4.53	4.71	4.56
양수용 전력량	MWh	-	153,950	676,358	2,272,202	3,668,783	2,117,789	1,980,383
송전단 전력량(양수제외)	MWh	1,683,584	37,950,201	53,908,278	100,002,741	172,693,293	251,953,275	346,207,397
송배전 손실량	MWh	494,198	2,252,746	3,176,183	5,619,450	9,422,999	11,871,191	15,614,768
송배전 손실율	%	29.35	6.66	5.89	5.62	5.46	4.71	4.51
판매 전력량	MWh	1,189,386	35,424,455	50,732,095	94,383,292	163,270,294	239,535,486	332,412,828
수요 성장률	%	-	8.2	7.8	14.8	11.4	11.8	6.5
최대전력	kW	305,686	6,144,194	9,348,942	17,251,683	29,878,000	41,007,164	54,631,000
평균전력	kW	202,388	48,589,802	6,621,847	12,291,040	21,080,003	30,327,813	41,625,494
부하율 <sup>2</sup>	%	66.2	74.7	70.8	71.2	70.6	74.0	76.2
이용율	%	55.1	46.7	43.5	58.4	66.3	62.2	67.5
판매단가	원/kWh	3.22	64.31	67.92	52.94	61.28	74.65	74.46
수용가수	호 수	797,252	5,682,341	6,931,167	9,315,211	12,771,338	14,975,793	17,329,494
인구1인당 전력생산량 <sup>3</sup>	kWh/명	69	1,038	1,422	2,516	4,117	5,635	7,550
		-	-	-	-	(4,538)	(6,144)	(8,065)
인구1인당 전력소비량	kWh/명	46	915	1,243	2,202	3,640	5,067	6,883

1.( ) 내는 상용자가 발전량 중 한전의 구입 전력량

2. 최대전력에 대한 평균전력의 비를 백분율로 나타낸 것

3.( ) 내는 상용발전 자체 소비량 포함분임

자료: 한국전력공사

## 1. Major Electricity Indicators

2010	2015	2020	2021	2022	2023	2024p	
79,983,793	101,590,229	133,655,412	139,443,392	143,842,138	150,605,399	159,279,627	Generating Facilities
65,559,674	73,282,111	83,853,696	82,459,277	82,723,285	83,235,048	85,423,907	KEPCO & Subsidiaries
10,518,514	24,366,649	45,337,578	51,560,498	55,471,470	61,185,860	67,647,568	Other Co.
3,905,605	3,941,468	4,464,139	5,423,617	5,647,383	6,184,491	6,208,151	Non-Utility for Common Use
495,028,363	547,801,803	577,111,901	607,767,903	622,585,130	620,954,465	627,784,214	Gross Generation
435,384,166	432,758,183	394,522,245	400,373,182	408,441,461	391,570,543	392,436,560	KEPCO & Subsidiaries
38,433,844	94,756,654	155,963,475	175,412,367	185,507,861	195,345,011	201,829,777	Other Co.
21,210,354	20,286,965	26,626,181	31,982,353	28,635,808	34,038,911	33,517,878	Non-Utility Generation for Common Use <sup>1</sup>
(842,196)	(576,355)	(1,676,440)	(1,023,939)	(451,043)	(1,130,949)	(1,334,347)	
19,371,717	23,782,283	21,135,360	21,254,113	22,081,218	20,976,475	21,900,057	Auxiliary Use
4.08	4.50	3.83	3.68	3.71	3.57	3.68	Aux. Use Factor
3,662,630	4,823,507	4,351,010	4,855,815	4,911,837	4,924,790	6,091,230	Pumping Storage
451,432,992	499,239,421	525,850,762	549,623,783	566,864,976	561,446,575	566,462,433	Net Generation
18,034,237	17,979,210	18,609,971	19,424,218	20,019,815	19,813,450	19,966,407	T & D Losses
3.99	3.60	3.54	3.53	3.53	3.53	3.52	Loss Factor(T & D)
434,160,228	483,654,816	509,269,715	533,430,811	547,932,742	545,965,955	549,820,665	Power Sold
10.1	1.3	-2.2	4.7	2.7	-0.4	0.7	Growth Rate
71,308,000	78,790,000	89,091,000	91,141,000	94,509,000	93,615,000	97,115,000	Peak Load
54,184,955	60,284,383	62,859,991	65,845,832	67,853,923	67,128,596	67,805,178	Average Load
76.0	76.5	70.6	72.2	71.8	71.7	69.8	Load Factor <sup>2</sup>
73.3	61.7	48.7	49.1	49.1	46.5	44.3	Utilization Plant Factor
86.12	111.57	109.80	108.11	120.51	152.80	162.92	Average Revenues per kWh Sold
19,229,450	22,030,215	24,198,304	24,523,304	24,866,375	25,128,874	25,321,196	Customers
9,712	10,433	10,654	11,170	11,555	11,457	11,629	Generation per Capita <sup>3</sup>
(10,129)	(-10,778)	(11,135)	(11,770)	(12,103)	(12,098)	(12,257)	
8,883	9,555	9,826	10,330	10,652	10,637	10,735	Consumption per Capita

1. Parentheses are power sales to KEPCO in non-utility generation

2. The percentage ratio of average load over peak load

3. Parentheses include own use of non-utility generation

Source: Korea Electric Power Corporation

## 2. 발전 설비

단위: MW

	합계 Total		수력 Hydro		기력 Steam		복합화력 Combined cycle		원자력 Nuclear	
		%		%		%		%		%
1990	21,021	100.0	2,340	11.1	9,912	47.2	840	4.0	7,616	36.2
1991	21,111	100.0	2,445	11.6	9,912	47.0	760	3.6	7,616	36.1
1992	24,120	100.0	2,498	10.4	9,912	41.1	3,706	15.4	7,616	31.6
1993	27,654	100.0	2,504	9.1	11,972	43.3	5,173	18.7	7,616	27.5
1994	28,750	100.0	2,493	8.7	13,032	45.3	5,334	18.6	7,616	26.5
1995	32,184	100.0	3,093	9.6	14,032	43.6	6,184	19.2	8,616	26.8
1996	35,715	100.0	3,094	8.7	14,022	39.3	8,719	24.4	9,616	26.9
1997	41,042	100.0	3,115	7.6	16,078	39.2	11,269	27.5	10,316	25.1
1998	43,406	100.0	3,131	7.2	17,209	39.6	10,785	24.8	12,016	27.7
1999	46,978	100.0	3,148	6.7	18,909	40.2	10,935	23.3	13,716	29.2
2000	48,451	100.0	3,149	6.5	20,059	41.4	11,257	23.2	13,716	28.3
2001	50,859	100.0	3,876	7.6	21,559	42.4	11,436	22.5	13,716	27.0
2002	53,801	100.0	3,876	7.2	21,749	40.4	12,186	22.6	15,716	29.2
2003	56,053	100.0	3,877	6.9	21,749	38.8	13,086	23.3	15,716	28.0
2004	59,961	100.0	3,879	6.5	23,311	38.9	14,313	23.9	16,716	27.9
2005	62,258	100.0	3,883	6.2	23,811	38.2	15,015	24.1	17,716	28.5
2006	65,514	100.0	5,485	8.4	24,391	37.2	16,004	24.4	17,716	27.0
2007	68,268	100.0	5,492	8.0	26,491	38.8	16,511	24.2	17,716	26.0
2008	72,491	100.0	5,505	7.6	29,731	41.0	17,044	23.5	17,716	24.4
2009	73,470	100.0	5,515	7.5	29,571	40.2	17,575	23.9	17,716	24.1
2010	76,078	100.0	5,525	7.3	29,571	38.9	19,100	25.1	17,716	23.3
2011	79,342	100.0	6,418	8.1	29,571	37.3	19,799	25.0	18,716	23.6
2012	81,806	100.0	6,446	7.9	29,371	35.9	19,799	24.2	20,716	25.3
2013	86,969	100.0	6,454	7.4	29,371	33.8	23,473	27.0	20,716	23.8
2014	93,216	100.0	6,467	6.9	29,611	31.8	27,296	29.3	20,716	22.2
2015	97,649	100.0	6,471	6.6	29,611	30.3	28,512	29.2	21,716	22.2
2016	105,866	100.0	6,485	6.1	33,746	31.9	28,512	26.9	23,116	21.8
2017	116,908	100.0	6,489	5.6	38,265	32.7	32,416	27.7	22,529	19.3
2018	119,092	100.0	6,490	5.4	38,358	32.2	31,224	26.2	21,850	18.3
2019	125,338	100.0	6,508	5.2	38,101	30.4	32,846	26.2	23,250	18.5
2020	129,191	100.0	6,506	5.0	37,951	29.4	33,013	25.6	23,250	18.0
2021	134,020	100.0	6,541	4.9	38,429	28.7	33,013	24.6	23,250	17.3
2022	138,195	100.0	6,513	4.7	38,269	27.7	33,013	23.9	24,650	17.8
2023	144,421	100.0	6,517	4.5	39,309	27.2	34,038	23.6	24,650	17.1
2024	153,071	100.0	6,515	4.3	40,359	26.4	36,167	23.6	26,050	17.0

1. 부생가스, 증류탑폐열, 여열회수, 천연가스압터빈

주: 1. 상용자가 제외

2. 2001. 4. 2. 한전의 발전부문은 발전부문 및 전력거래소로 분리

자료: 한국전력공사



## 2. Generating Facilities

Unit: MW

신재생 New & Renewable energy		집단 Group energy		내연력 Internal combustion		기타 Others		
	%		%		%		%	
-	-	-	-	313	1.5	-	-	1990
-	-	-	-	378	1.8	-	-	1991
-	-	-	-	388	1.6	-	-	1992
-	-	-	-	389	1.4	-	-	1993
-	-	-	-	275	1.0	-	-	1994
-	-	-	-	259	0.8	-	-	1995
-	-	-	-	264	0.7	-	-	1996
-	-	-	-	265	0.6	-	-	1997
-	-	-	-	265	0.6	-	-	1998
-	-	-	-	271	0.6	-	-	1999
-	-	-	-	271	0.6	-	-	2000
-	-	-	-	273	0.5	-	-	2001
-	-	-	-	275	0.5	-	-	2002
83	0.1	1,296	2.3	246	0.4	-	-	2003
108	0.2	1,382	2.3	252	0.4	-	-	2004
156	0.2	1,382	2.2	297	0.5	-	-	2005
240	0.4	1,382	2.1	297	0.5	-	-	2006
374	0.5	1,382	2.0	303	0.4	-	-	2007
728	1.0	1,460	2.0	307	0.4	-	-	2008
1,136	1.5	1,610	2.2	347	0.5	-	-	2009
1,749	2.3	2,067	2.7	351	0.5	-	-	2010
1,859	2.3	2,623	3.3	355	0.4	-	-	2011
2,338	2.9	2,768	3.4	367	0.4	-	-	2012
3,519	4.0	3,106	3.6	330	0.4	-	-	2013
4,474	4.8	4,323	4.6	330	0.4	-	-	2014
5,649	5.8	5,360	5.5	330	0.3	-	-	2015
7,477	7.1	6,200	5.9	329	0.3	-	-	2016
9,187	7.9	7,682	6.6	339	0.3	-	-	2017
11,623	9.8	9,208	7.7	339	0.3	-	-	2018
14,250	11.4	9,191	7.3	341	0.3	852	0.7	2019
18,739	14.5	9,191	7.1	176	0.1	366	0.3	2020
23,014	17.2	9,229	6.9	177	0.1	367	0.3	2021
26,326	19.0	8,919	6.5	137	0.1	369	0.3	2022
29,579	20.5	9,821	6.8	137	0.1	371	0.3	2023
32,878	21.5	10,645	7.0	97	0.1	361	0.2	2024

1. Waste heat in distillation tower, waste heat recovery, natural gas pressure turbine and by-product gas

Note: 1. Except Non-utility in common use

2. On April 2, 2001, KEPCO's power generation division was divided into 6 generation subsidiary companies and a Power Exchange

Source: Korea Electric Power Corporation

## 3. 설비별 발전량

단위: GWh

	합계 Total		수력 Hydro		기력 Steam		복합화력 Combined cycle		원자력 Nuclear	
		%		%		%		%		%
1990	107,670	100.0	6,361	5.9	47,098	43.7	619	0.6	52,887	49.1
1991	118,619	100.0	5,051	4.3	55,389	46.7	785	0.7	56,311	47.5
1992	130,963	100.0	4,863	3.7	62,115	47.4	5,464	4.2	56,530	43.2
1993	144,437	100.0	6,006	4.2	68,916	47.7	9,188	6.4	58,138	40.3
1994	164,993	100.0	4,098	2.5	83,807	50.8	16,047	9.7	58,651	35.5
1995	184,661	100.0	5,478	3.0	89,252	48.3	20,521	11.1	67,029	36.3
1996	205,494	100.0	5,201	2.5	96,946	47.2	26,943	13.1	73,924	36.0
1997	224,445	100.0	5,404	2.4	104,798	46.7	34,424	15.3	77,086	34.3
1998	215,300	100.0	6,099	2.8	89,042	41.4	26,505	12.3	89,689	41.7
1999	239,325	100.0	6,066	2.5	96,473	40.3	28,675	12.0	103,064	43.1
2000	266,400	100.0	5,610	2.1	119,947	45.0	26,863	10.1	108,964	40.9
2001	285,224	100.0	4,151	1.5	135,437	47.5	29,033	10.2	112,133	39.3
2002	306,474	100.0	5,311	1.7	138,929	45.3	38,337	12.5	119,103	38.9
2003	322,452	100.0	6,887	2.1	140,269	43.5	40,375	12.5	129,672	40.2
2004	342,148	100.0	5,861	1.7	145,365	42.5	55,452	16.2	130,715	38.2
2005	364,639	100.0	5,189	1.4	151,207	41.5	57,457	15.8	146,779	40.3
2006	381,181	100.0	5,219	1.4	155,911	40.9	67,138	17.6	148,749	39.0
2007	402,294	100.0	5,042	1.3	173,415	43.1	76,405	19.0	142,937	35.5
2008	421,626	100.0	5,563	1.3	183,655	43.6	74,519	17.7	150,958	35.8
2009	432,748	100.0	5,641	1.3	206,535	47.7	64,486	14.9	147,771	34.1
2010	473,818	100.0	6,472	1.4	211,449	44.6	94,012	19.8	148,596	31.4
2011	496,080	100.0	7,831	1.6	211,205	42.6	101,479	20.5	154,723	31.2
2012	507,480	100.0	7,652	1.5	216,336	42.6	110,882	21.8	150,327	29.6
2013	515,467	100.0	8,394	1.6	218,585	42.4	124,400	24.1	138,784	26.9
2014	521,409	100.0	7,820	1.5	211,172	40.5	111,711	21.4	156,407	30.0
2015	527,515	100.0	5,796	1.1	216,378	41.0	100,598	19.1	164,762	31.2
2016	540,220	100.0	6,634	1.2	222,623	41.2	96,922	17.9	161,995	30.0
2017	553,226	100.0	6,995	1.3	237,332	42.9	99,619	18.0	148,427	26.8
2018	569,848	100.0	7,270	1.3	237,498	41.7	116,836	20.5	133,505	23.4
2019	561,894	100.0	6,247	1.1	220,918	39.3	110,289	19.6	145,910	26.0
2020	550,486	100.0	7,148	1.3	189,426	34.4	111,759	20.3	160,184	29.1
2021	575,786	100.0	6,737	1.2	191,575	33.3	130,358	22.6	158,015	27.4
2022	593,949	100.0	7,256	1.2	188,477	31.7	123,996	20.9	176,054	29.6
2023	586,916	100.0	7,500	1.3	180,143	30.7	118,801	20.2	180,494	30.8
2024	594,266	100.0	8,978	1.5	162,327	27.3	123,240	20.7	188,754	31.8

1. 부생가스, 증류탑폐열, 여열회수, 천연가스압터빈

주: 1. 상용자가 제외

2. 2001. 4. 2. 한전의 발전부문은 발전부문 및 전력거래소로 분리

자료: 한국전력공사

## 3. Power Generation by Facility

Unit: GWh

신재생 New & Renewable energy		집단 Group energy		내연력 Internal combustion		기타 Others		
	%		%		%		%	
-	-	-	-	429	0.4	-	-	1990
-	-	-	-	472	0.4	-	-	1991
-	-	-	-	574	0.4	-	-	1992
-	-	-	-	640	0.4	-	-	1993
-	-	-	-	789	0.5	-	-	1994
-	-	-	-	825	0.4	-	-	1995
-	-	-	-	772	0.4	-	-	1996
-	-	-	-	718	0.3	-	-	1997
-	-	-	-	575	0.3	-	-	1998
-	-	-	-	382	0.2	-	-	1999
-	-	-	-	294	0.1	-	-	2000
-	-	-	-	325	0.1	-	-	2001
-	-	-	-	353	0.1	-	-	2002
-	-	-	-	370	0.1	-	-	2003
350	0.1	3,553	1.0	407	0.1	-	-	2004
404	0.1	2,759	0.8	575	0.2	-	-	2005
511	0.1	2,597	0.7	677	0.2	-	-	2006
831	0.2	3,085	0.8	578	0.1	-	-	2007
1,373	0.3	5,054	1.2	503	0.1	-	-	2008
1,791	0.4	5,827	1.3	697	0.2	-	-	2009
4,478	0.9	8,080	1.7	731	0.2	-	-	2010
7,592	1.5	12,429	2.5	821	0.2	-	-	2011
8,618	1.7	12,913	2.5	752	0.1	-	-	2012
10,160	2.0	14,403	2.8	741	0.1	-	-	2013
14,696	2.8	18,948	3.6	656	0.1	-	-	2014
17,318	3.3	22,019	4.2	643	0.1	-	-	2015
18,936	3.5	32,537	6.0	573	0.1	-	-	2016
24,145	4.4	36,194	6.5	513	0.1	-	-	2017
27,177	4.8	47,033	8.3	528	0.1	-	-	2018
30,526	5.4	46,058	8.2	579	0.1	1,367	0.2	2019
31,057	5.6	45,567	8.3	405	0.1	4,940	0.9	2020
39,102	6.8	48,326	8.4	491	0.1	1,181	0.2	2021
47,266	8.0	49,159	8.3	570	0.1	1,172	0.2	2022
50,456	8.6	47,959	8.2	390	0.1	1,173	0.2	2023
56,537	9.5	52,873	8.9	329	0.1	1,229	0.2	2024

1. Waste heat in distillation tower, waste heat recovery, natural gas pressure turbine and by-product gas

Note: 1. Except Non-utility in common use

2. On April 2, 2001, KEPCO's power generation division was divided into 6 generation subsidiary companies and a Power Exchange

Source: Korea Electric Power Corporation

## 4. 에너지원별 발전량

단위: GWh

	합계 Total		수력 Hydro		원자력 Nuclear		신재생 <sup>1</sup> Renewables <sup>1</sup>		기타 <sup>2</sup> Others <sup>2</sup>	
		%		%		%		%		%
1990	107,670	100.0	6,361	5.9	52,887	49.1	-	-	-	-
1991	118,619	100.0	5,051	4.3	56,311	47.5	-	-	-	-
1992	130,963	100.0	4,863	3.7	56,530	43.2	-	-	-	-
1993	144,437	100.0	6,006	4.2	58,138	40.3	-	-	-	-
1994	164,993	100.0	4,098	2.5	58,651	35.5	-	-	-	-
1995	184,661	100.0	5,478	3.0	67,029	36.3	-	-	-	-
1996	205,494	100.0	5,201	2.5	73,924	36.0	-	-	-	-
1997	224,445	100.0	5,404	2.4	77,086	34.3	-	-	-	-
1998	215,300	100.0	6,099	2.8	89,689	41.7	-	-	-	-
1999	239,325	100.0	6,066	2.5	103,064	43.1	-	-	-	-
2000	266,400	100.0	5,610	2.1	108,964	40.9	-	-	-	-
2001	285,224	100.0	4,151	1.5	112,133	39.3	-	-	-	-
2002	306,474	100.0	5,311	1.7	119,103	38.9	-	-	-	-
2003	322,452	100.0	6,887	2.1	129,672	40.2	-	-	-	-
2004	342,148	100.0	5,861	1.7	130,715	38.2	350	0.1	-	-
2005	364,638	100.0	5,189	1.4	146,779	40.3	404	0.1	-	-
2006	381,181	100.0	5,219	1.4	148,749	39.0	511	0.1	-	-
2007	403,124	100.0	5,042	1.3	142,937	35.5	831	0.2	-	-
2008	422,355	100.0	5,561	1.3	150,958	35.7	1,373	0.3	-	-
2009	433,604	100.0	5,641	1.3	147,771	34.1	1,791	0.4	-	-
2010	474,660	100.0	6,472	1.4	148,596	31.3	3,984	0.8	-	-
2011	496,893	100.0	7,831	1.6	154,723	31.1	7,592	1.5	-	-
2012	509,574	100.0	7,652	1.5	150,327	29.5	10,563	2.1	-	-
2013	517,148	100.0	8,543	1.7	138,784	26.8	11,267	2.2	-	-
2014	521,971	100.0	7,820	1.5	156,407	30.0	14,695	2.8	-	-
2015	528,091	100.0	5,796	1.1	164,762	31.2	20,904	4.0	-	-
2016	540,441	100.0	6,634	1.2	161,995	30.0	22,936	4.2	-	-
2017	553,530	100.0	6,995	1.3	148,427	26.8	27,874	5.0	-	-
2018	570,647	100.0	7,270	1.3	133,505	23.4	32,239	5.6	-	-
2019	563,040	100.0	6,247	1.1	145,910	25.9	33,603	6.0	2,249	0.4
2020	552,162	100.0	7,148	1.3	160,184	29.0	32,650	5.9	7,681	1.4
2021	576,809	100.0	6,737	1.2	158,015	27.4	40,041	6.9	3,316	0.6
2022	594,400	100.0	7,256	1.2	176,054	29.6	49,640	8.4	2,678	0.5
2023	588,047	100.0	7,500	1.3	180,494	30.7	52,846	9.0	3,044	0.5
2024	595,601	100.0	8,978	1.5	188,754	31.7	58,892	9.9	3,416	0.6

1. 신재생: 수력 발전량 불포함, 혼소발전량 분리

2. 부생가스, 증류탑폐열, 여열회수, 천연가스압터빈

3. 2014년부터 집단은 에너지원별 발전량 분류

자료: 한국전력공사

## 4. Power Generation by Energy Source

Unit: GWh

석탄 Coal		석유 Petroleum		액화천연가스 LNG		집단 <sup>3</sup> District Energy <sup>3</sup>		
	%		%		%		%	
19,961	18.5	18,856	17.5	9,604	8.9	-	-	1990
20,140	17.0	27,182	22.9	9,935	8.4	-	-	1991
22,072	16.9	35,311	27.0	12,187	9.3	-	-	1992
30,917	21.4	34,888	24.2	14,488	10.0	-	-	1993
41,835	25.4	40,363	24.5	20,046	12.1	-	-	1994
48,813	26.4	42,045	22.8	21,296	11.5	-	-	1995
56,881	27.7	42,436	20.7	27,050	13.2	-	-	1996
67,190	29.9	42,943	19.1	31,823	14.2	-	-	1997
75,498	35.1	17,712	8.2	26,302	12.2	-	-	1998
81,544	34.1	18,527	7.7	30,124	12.6	-	-	1999
97,538	36.6	26,142	9.8	28,146	10.6	-	-	2000
110,333	38.7	28,156	9.9	30,451	10.7	-	-	2001
118,022	38.5	25,095	8.2	38,943	12.7	-	-	2002
120,276	37.3	26,526	8.2	39,090	12.1	-	-	2003
127,158	37.2	18,511	5.4	55,999	16.4	3,553	1.0	2004
133,658	36.7	17,733	4.9	58,118	15.9	2,759	0.8	2005
139,205	36.5	16,598	4.4	68,302	17.9	2,597	0.7	2006
154,674	38.4	18,132	4.5	78,427	19.5	3,085	0.8	2007
173,508	41.1	10,094	2.4	75,809	17.9	5,054	1.2	2008
193,216	44.6	14,083	3.2	65,274	15.1	5,827	1.3	2009
197,916	41.7	12,878	2.7	96,734	20.4	8,080	1.7	2010
200,124	40.3	12,492	2.5	101,702	20.5	12,429	2.5	2011
198,831	39.0	15,156	3.0	113,984	22.4	13,061	2.6	2012
200,444	38.8	15,751	3.0	127,724	24.7	14,633	2.8	2013
203,446	39.0	24,950	4.8	114,654	22.0	-	-	2014
204,230	38.7	31,616	6.0	100,783	19.1	-	-	2015
213,803	39.6	14,221	2.6	120,852	22.4	-	-	2016
238,799	43.1	8,663	1.6	122,773	22.2	-	-	2017
238,967	41.9	5,740	1.0	152,924	26.8	-	-	2018
227,384	40.4	3,292	0.6	144,355	25.6	-	-	2019
196,333	35.6	2,255	0.4	145,911	26.4	-	-	2020
197,966	34.3	2,354	0.4	168,378	29.2	-	-	2021
193,231	32.5	1,966	0.3	163,575	27.5	-	-	2022
184,927	31.4	1,487	0.3	157,749	26.8	-	-	2023
167,152	28.1	1,204	0.2	167,205	28.1	-	-	2024

1. Renewable energy excludes power generation of hydro

2. Waste heat in distillation tower, waste heat recovery, natural gas pressure turbine and by-product gas

3. District Energy has been included in the generation by each energy source since 2014

Source: Korea Electric Power Corporation

## 5. 발전 연료 소비량

	합계 Total		원자력 Nuclear		수력 Hydro	
	소비량 Consumption	점유율 Ratio	소비량 Consumption	점유율 Ratio	소비량 Consumption	점유율 Ratio
	1,000 toe	%	1,000 toe	%	1,000 toe	%
1990	26,055	100.0	13,222	50.7	1,590	6.1
1991	28,582	100.0	14,078	49.3	1,263	4.4
1992	31,362	100.0	14,133	45.1	1,216	3.9
1993	34,253	100.0	14,535	42.4	1,502	4.4
1994	38,525	100.0	14,663	38.1	1,024	2.7
1995	43,272	100.0	16,757	38.7	1,370	3.2
1996	47,971	100.0	18,481	38.5	1,300	2.7
1997	52,221	100.0	19,272	36.9	1,351	2.6
1998	49,486	100.0	22,422	45.3	1,525	3.1
1999	54,863	100.0	25,766	47.0	1,517	2.8
2000	60,993	100.0	27,241	44.7	1,403	2.3
2001	65,161	100.0	28,033	43.0	1,038	1.6
2002	69,606	100.0	29,776	42.8	1,327	1.9
2003	73,411	100.0	32,415	44.2	1,722	2.3
2004	76,974	100.0	32,679	42.5	1,465	1.9
2005	82,513	100.0	36,695	44.5	1,297	1.6
2006	85,105	100.0	37,187	43.7	1,305	1.5
2007	83,564	100.0	30,446	36.4	1,074	1.3
2008	87,164	100.0	32,154	36.9	1,185	1.4
2009	89,260	100.0	31,475	35.3	1,202	1.3
2010	96,199	100.0	31,651	32.9	1,379	1.4
2011	98,940	100.0	32,956	33.3	1,668	1.7
2012	98,015	100.0	32,020	32.7	1,630	1.7
2013	101,867	100.0	29,561	29.0	1,788	1.8
2014	97,238	100.0	33,315	34.3	1,666	1.7
2015	95,199	100.0	35,094	36.9	1,235	1.3
2016	94,854	100.0	34,505	36.4	1,413	1.5
2017	94,392	100.0	31,615	33.5	1,490	1.6
2018	92,789	100.0	28,437	30.6	1,549	1.7
2019	91,057	100.0	31,079	34.1	1,331	1.5
2020	88,765	100.0	34,119	38.4	1,523	1.7
2021	89,535	100.0	33,657	37.6	1,435	1.6
2022	91,392	100.0	37,500	41.0	1,546	1.7
2023	87,612	100.0	38,445	43.9	1,598	1.8
2024	87,972	100.0	40,205	45.7	1,912	2.2

주: 원자력, 수력은 발전량 기준임

자료: 한국전력공사

## 5. Fuel Consumption for Generation

석탄 Coal									
소계 Subtotal			무연탄 Anthracite			유연탄 Bituminous Coal			
소비량 Consumption		점유율 Ratio	소비량 Consumption		점유율 Ratio	소비량 Consumption		점유율 Ratio	
M/T	1,000 toe	%	M/T	1,000 toe	%	M/T	1,000 toe	%	
8,529,283	4,603	17.7	2,013,268	704	2.7	6,516,015	3,899	15.0	1990
8,538,869	4,638	16.2	1,977,676	690	2.4	6,561,193	3,948	13.8	1991
9,217,102	5,106	16.3	2,008,494	790	2.5	7,208,608	4,316	13.8	1992
12,543,851	7,098	20.7	2,283,630	944	2.8	10,260,221	6,154	18.0	1993
16,147,950	9,468	24.6	2,179,638	952	2.5	13,968,312	8,516	22.1	1994
18,631,970	11,021	25.5	2,429,275	1,102	2.5	16,202,695	9,919	22.9	1995
21,461,439	12,745	26.6	2,513,738	1,155	2.4	18,947,701	11,590	24.2	1996
25,011,741	14,979	28.7	2,304,699	1,066	2.0	22,707,042	13,913	26.6	1997
28,206,782	16,749	33.8	2,527,301	1,174	2.4	25,679,481	15,575	31.5	1998
30,812,524	18,089	33.0	2,596,945	1,202	2.2	28,215,579	16,887	30.8	1999
36,216,533	21,504	35.3	2,848,015	1,293	2.1	33,368,518	20,211	33.1	2000
40,794,652	24,310	37.3	2,875,286	1,312	2.0	37,919,366	22,998	35.3	2001
43,061,763	25,960	37.3	2,750,542	1,261	1.8	40,311,221	24,699	35.5	2002
44,457,391	26,560	36.2	2,879,676	1,331	1.8	41,577,715	25,229	34.4	2003
47,926,692	27,971	36.3	2,411,721	1,131	1.5	45,514,971	26,842	34.9	2004
50,296,834	29,394	35.6	2,359,492	1,092	1.3	47,937,342	28,303	34.3	2005
52,603,606	30,561	35.9	2,345,136	1,069	1.3	50,258,470	29,492	34.7	2006
58,342,192	33,936	40.6	2,392,411	1,087	1.3	55,949,781	32,848	39.3	2007
65,772,104	37,988	43.6	2,534,021	1,205	1.4	63,238,083	36,783	42.2	2008
73,782,646	42,194	47.3	2,690,328	1,235	1.4	71,092,318	40,959	45.9	2009
78,807,044	43,510	45.2	2,404,050	1,071	1.1	76,402,994	42,438	44.1	2010
81,512,968	44,165	44.6	1,658,801	783	0.8	79,854,167	43,382	43.8	2011
80,601,345	40,709	41.5	1,796,721	853	0.9	78,804,624	39,855	40.7	2012
80,488,469	44,667	43.8	1,728,664	940	0.9	78,759,805	43,726	42.9	2013
79,731,844	44,769	46.0	2,043,992	1,134	1.2	77,687,852	43,635	44.9	2014
81,558,142	45,754	48.1	2,125,486	1,213	1.3	79,432,656	44,541	46.8	2015
80,573,360	44,915	47.4	2,528,364	1,407	1.5	78,044,996	43,508	45.9	2016
90,296,155	49,465	52.4	1,078,762	581	0.6	89,217,393	48,883	51.8	2017
90,540,880	48,640	52.4	991,627	522	0.6	89,549,253	48,118	51.9	2018
84,486,191	46,471	51.0	1,164,840	603	0.7	83,321,351	45,868	50.4	2019
70,065,113	39,167	44.1	971,161	494	0.6	69,093,952	38,672	43.6	2020
67,777,536	37,667	42.1	899,642	463	0.5	66,877,894	37,204	41.6	2021
66,087,039	36,041	39.4	884,962	452	0.5	65,202,077	35,588	38.9	2022
60,292,477	33,176	37.9	913,726	475	0.5	59,378,751	32,701	37.3	2023
56,413,252	31,019	35.3	926,464	479	0.5	55,486,788	30,539	34.7	2024

Source: Korea Electric Power CorporationNote : Nuclear and Hydro are based on generation

Source: Korea Electric Power Corporation

## 5. 발전 연료 소비량(계속)

	액화천연가스 LNG			석유제품 Petroleum Products					
				소계 Subtotal			B.C 유 Bunker-C		
	소비량 Consumption		점유율 Ratio	소비량 Consumption		점유율 Ratio	소비량 Consumption		점유율 Ratio
	ton	1,000 toe	%	kℓ	1,000 toe	%	kℓ	1,000 toe	%
1990	1,718,700	2,242	8.6	4,482,279	4,398	16.9	3,643,426	3,592	13.8
1991	1,779,890	2,323	8.1	6,386,732	6,280	22.0	4,895,177	4,831	16.9
1992	2,224,518	2,903	9.3	8,166,462	8,004	25.5	5,517,119	5,442	17.4
1993	2,517,921	3,290	9.6	7,961,710	7,828	22.9	5,611,726	5,534	16.2
1994	3,329,257	4,354	11.3	9,184,676	9,016	23.4	6,509,197	6,415	16.7
1995	3,562,048	4,659	10.8	9,686,754	9,465	21.9	6,467,208	6,369	14.7
1996	4,622,368	6,029	12.6	9,807,908	9,416	19.6	6,095,098	5,913	12.3
1997	5,376,576	7,015	13.4	9,880,476	9,604	18.4	5,513,752	5,422	10.4
1998	4,189,314	5,470	11.1	3,404,219	3,320	6.7	2,276,328	2,235	4.5
1999	4,766,708	6,223	11.3	3,348,422	3,268	6.0	2,730,231	2,685	4.9
2000	4,491,013	5,852	9.6	5,086,067	4,993	8.2	4,297,082	4,231	6.9
2001	4,790,808	6,241	9.6	5,604,382	5,539	8.5	4,926,551	4,877	7.5
2002	5,983,120	7,792	11.2	4,804,957	4,751	6.8	4,455,276	4,429	6.4
2003	5,995,742	7,802	10.6	5,054,789	4,912	6.7	4,267,870	4,189	5.7
2004	8,220,852	10,697	13.9	4,339,836	4,162	5.4	3,681,635	3,538	4.6
2005	8,537,926	11,122	13.5	4,167,583	4,005	4.9	3,578,026	3,445	4.2
2006	9,466,086	12,317	14.5	3,789,478	3,735	4.4	3,547,138	3,511	4.1
2007	10,828,751	14,114	16.9	4,018,927	3,995	4.8	3,899,079	3,888	4.7
2008	10,515,372	13,715	15.7	2,141,527	2,122	2.4	2,034,572	2,027	2.3
2009	8,596,732	11,365	12.7	3,055,850	3,024	3.4	2,943,672	2,926	3.3
2010	12,914,479	16,857	17.5	2,824,346	2,804	2.9	2,693,701	2,687	2.8
2011	13,609,052	17,993	18.2	2,174,197	2,158	2.2	2,050,365	2,050	2.1
2012	15,320,734	20,336	20.7	3,412,818	3,321	3.4	3,272,119	3,196	3.3
2013	17,004,866	22,330	21.9	3,550,813	3,521	3.5	3,401,690	3,389	3.3
2014	12,497,193	15,821	16.3	1,692,083	1,667	1.7	1,581,186	1,570	1.6
2015	8,763,724	11,161	11.7	1,962,050	1,955	2.1	1,850,640	1,856	1.9
2016	8,283,596	11,156	11.8	2,938,724	2,866	3.0	2,783,521	2,719	2.9
2017	8,161,279	10,738	11.4	1,101,446	1,084	1.1	927,885	928	1.0
2018	9,889,858	12,952	14.0	1,228,356	1,212	1.3	1,013,229	1,020	1.1
2019	8,890,733	11,528	12.7	684,493	648	0.7	361,925	360	0.4
2020	10,144,036	13,527	15.2	451,951	430	0.5	283,175	280	0.3
2021	12,461,751	16,304	18.2	497,709	471	0.5	290,828	286	0.3
2022	12,203,303	15,960	17.5	374,600	346	0.4	113,554	113	0.1
2023	10,761,227	14,130	16.1	294,371	263	0.3	14,835	15	0.0
2024	11,089,274	14,593	16.6	275,975	244	0.3	496	0	0.0

자료: 한국전력공사



## 5. Fuel Consumption for Generation(Continued)

석유제품 Petroleum Products									
기타 중유 Others			경 유 Diesel oil			납 사 Naphtha			
소비량 Consumption		점유율 Ratio	소비량 Consumption		점유율 Ratio	소비량 Consumption		점유율 Ratio	
kℓ	1,000 toe	%	kℓ	1,000 toe	%	kℓ	1,000 toe	%	
582,788	575	2.2	256,065	231	0.9	-	-	-	1990
1,216,759	1,201	4.2	274,796	248	0.9	-	-	-	1991
2,026,861	1,999	6.4	622,482	563	1.8	-	-	-	1992
2,023,813	1,996	5.8	326,171	298	0.9	-	-	-	1993
2,237,542	2,205	5.7	437,937	396	1.0	-	-	-	1994
2,286,132	2,251	5.2	933,414	845	2.0	-	-	-	1995
2,100,710	2,038	4.2	1,612,100	1,465	3.1	-	-	-	1996
2,795,692	2,749	5.3	1,571,032	1,433	2.7	-	-	-	1997
822,384	807	1.6	305,507	278	0.6	-	-	-	1998
292,767	288	0.5	325,424	295	0.5	-	-	-	1999
597,913	589	1.0	191,073	173	0.3	-	-	-	2000
570,701	565	0.9	107,130	97	0.1	-	-	-	2001
72,649	72	0.1	277,032	250	0.4	-	-	-	2002
148,614	146	0.2	638,305	577	0.8	-	-	-	2003
518,815	499	0.6	139,386	125	0.2	-	-	-	2004
472,999	455	0.6	116,558	105	0.1	-	-	-	2005
86,265	85	0.1	156,075	139	0.2	-	-	-	2006
-	-	-	119,848	107	0.1	-	-	-	2007
28	0	0.0	106,928	94	0.1	-	-	-	2008
-	-	-	112,178	98	0.1	-	-	-	2009
16,958	17	0.0	113,687	100	0.1	-	-	-	2010
-	-	-	123,832	109	0.1	-	-	-	2011
-	-	-	140,700	125	0.1	-	-	-	2012
-	-	-	149,123	132	0.1	-	-	-	2013
-	-	-	110,897	97	0.1	-	-	-	2014
-	-	-	111,411	99	0.1	-	-	-	2015
-	-	-	155,203	147	0.2	-	-	-	2016
-	-	-	173,561	156	0.2	-	-	-	2017
-	-	-	215,128	192	0.2	-	-	-	2018
-	-	-	322,568	288	0.3	-	-	-	2019
-	-	-	168,777	151	0.2	-	-	-	2020
-	-	-	206,882	185	0.2	-	-	-	2021
-	-	-	261,046	233	0.3	-	-	-	2022
-	-	-	279,536	248	0.3	-	-	-	2023
-	-	-	275,480	243	0.3	-	-	-	2024

Source: Korea Electric Power Corporation

## 6. 화력 발전소 열효율

단위: %

	합계 Total		한전, 자회사 Total of KEPCO & Subsidiaries		타 사 Other Co.		복합화력 Combined Cycle		내연력 Internal-Combustion	
	발전단 Gross	송전단 Net	발전단 Gross	송전단 Net	발전단 Gross	송전단 Net	발전단 Gross	송전단 Net	발전단 Gross	송전단 Net
1990	36.99	34.95	37.02	34.98	36.30	34.13	36.03	34.82	33.30	32.45
1991	36.93	34.92	36.95	34.95	36.16	34.08	36.50	35.34	36.38	35.41
1992	36.73	34.86	36.74	34.86	36.63	34.84	34.61	33.75	38.53	37.49
1993	37.34	35.47	37.35	35.48	36.62	34.74	39.30	38.29	36.87	35.96
1994	38.16	36.42	38.20	36.46	36.61	34.81	42.35	41.38	32.00	31.34
1995	38.14	36.47	38.22	36.54	35.29	33.77	41.46	40.60	29.97	29.38
1996	38.21	36.60	38.37	36.77	33.26	32.06	39.89	39.13	32.30	31.59
1997	38.38	36.82	38.73	37.11	31.73	31.14	41.39	40.50	33.67	32.87
1998	39.45	37.81	39.48	37.81	38.48	37.59	43.97	43.04	36.30	35.27
1999	39.51	37.73	39.52	37.73	38.69	37.53	44.09	43.19	34.60	33.57
2000	39.45	37.64	39.45	37.63	39.32	38.07	44.15	43.22	37.20	35.79
2001	39.57	37.80	39.52	37.72	41.01	40.14	45.07	44.15	39.87	38.33
2002	39.96	38.26	39.87	38.12	42.10	41.33	45.56	44.68	40.09	38.64
2003	39.94	38.23	39.86	38.12	41.75	40.96	45.71	44.80	39.74	38.19
2004	40.66	38.96	40.62	38.88	41.75	40.97	47.19	46.33	39.11	37.57
2005	40.70	38.98	40.62	38.86	42.44	41.55	47.13	46.26	40.03	38.19
2006	40.97	39.30	40.83	39.11	44.00	43.33	47.52	46.63	40.02	37.86
2007	40.90	39.21	40.79	39.06	43.01	42.11	46.45	45.47	40.67	38.31
2008	40.84	39.14	40.67	38.93	43.75	42.92	46.10	45.24	40.39	38.09
2009	40.55	38.79	40.46	38.67	42.49	41.67	46.74	45.63	41.08	38.78
2010	40.83	39.14	40.67	38.94	43.64	42.73	46.45	45.55	40.58	30.35
2011	40.44	38.75	40.51	38.76	39.43	38.68	47.30	46.40	41.14	39.01
2012	40.48	38.86	40.57	38.82	42.94	42.10	47.73	46.81	41.11	39.01
2013	39.55	37.94	40.06	38.29	36.04	35.50	45.42	44.30	41.20	38.95
2014	41.25	39.50	40.71	38.87	47.66	46.91	48.24	47.13	43.40	41.19
2015	40.92	38.62	39.97	38.07	48.31	47.09	50.21	49.07	40.35	41.18
2016	39.79	37.92	39.33	37.40	48.15	47.18	47.53	46.38	39.41	36.70
2017	39.82	37.90	39.50	37.51	44.30	43.40	46.16	45.13	38.80	33.73
2018	40.82	38.88	40.21	38.25	48.99	47.33	47.65	46.60	37.96	35.82
2019	40.70	38.71	39.88	37.88	51.02	49.07	46.94	45.84	40.56	38.41
2020	41.14	39.20	40.16	38.11	49.41	48.34	47.01	45.77	38.28	35.80
2021	41.53	39.62	40.50	38.48	49.85	48.73	47.05	45.96	38.62	36.30
2022	41.32	39.41	40.58	38.61	50.99	49.88	46.76	45.70	39.17	36.89
2023	41.33	39.48	40.28	38.33	49.45	48.36	46.47	45.38	37.21	34.95
2024	41.30	39.42	40.23	38.24	48.63	47.48	46.45	45.29	36.06	33.76

주: 1987년부터 지역난방 열공급실적 포함

자료: 한국전력공사

## 6. Thermal Power Plant Efficiency

Unit: %

기력 Steam										
소계 Subtotal		무연탄 Anthracite		유연탄 Bituminous Coal		중 유 Heavy Oil		액화천연가스 LNG		
발전단 Gross	송전단 Net	발전단 Gross	송전단 Net	발전단 Gross	송전단 Net	발전단 Gross	송전단 Net	발전단 Gross	송전단 Net	
37.07	35.01	32.19	-	38.22	-	37.90	35.66	37.01	35.55	1990
36.97	34.94	32.05	-	38.26	-	37.43	35.27	36.88	35.45	1991
36.93	34.94	31.92	-	38.15	-	37.36	35.23	37.16	35.78	1992
37.11	35.11	31.98	-	38.19	-	37.26	35.19	37.54	36.30	1993
37.52	35.63	32.02	-	38.61	-	37.62	35.75	35.45	34.13	1994
37.61	35.74	32.05	29.48	38.69	36.91	37.66	35.75	36.94	35.35	1995
37.79	35.97	32.77	30.20	38.94	37.21	37.45	35.62	36.79	35.16	1996
38.05	36.23	33.18	30.50	38.99	37.25	37.73	35.90	36.12	34.43	1997
38.41	36.57	33.47	30.58	39.17	37.44	37.22	35.27	36.30	34.73	1998
38.40	36.39	33.99	30.33	39.06	37.21	37.35	35.32	36.07	34.48	1999
38.59	36.60	34.48	30.91	39.25	37.43	37.45	35.30	35.68	34.01	2000
38.67	36.73	33.93	30.37	39.30	37.51	37.71	35.64	35.42	33.68	2001
38.78	36.86	34.66	31.11	39.30	37.52	37.59	35.42	36.10	34.50	2002
38.67	36.76	34.51	30.93	39.16	37.40	37.58	35.36	36.37	34.67	2003
38.82	36.83	34.74	30.80	39.25	37.46	37.40	34.80	36.09	34.28	2004
38.87	36.88	34.94	30.89	39.26	37.41	37.55	35.22	36.45	34.56	2005
38.90	36.96	34.59	31.41	39.31	37.44	37.44	35.39	35.47	33.76	2006
38.93	36.99	34.86	31.64	39.36	37.49	37.25	35.16	35.55	33.91	2007
39.10	37.14	35.26	32.19	39.45	37.54	36.68	34.50	35.40	33.97	2008
39.24	37.29	37.24	34.07	39.46	37.56	37.60	35.77	35.27	33.99	2009
38.91	36.95	34.71	31.75	39.33	37.41	36.40	34.34	35.10	33.71	2010
38.62	36.63	35.58	32.54	38.96	37.04	35.83	33.59	34.92	33.55	2011
38.53	36.55	38.55	35.26	38.75	36.83	36.27	34.09	36.24	34.80	2012
38.29	36.32	34.93	31.97	38.64	36.72	36.26	34.06	36.06	34.83	2013
38.79	36.76	36.26	33.05	38.94	36.97	38.55	36.31	34.21	32.70	2014
38.39	36.37	34.99	31.91	38.55	36.54	38.94	36.86	35.27	33.70	2015
37.99	35.94	35.24	32.11	38.12	36.11	38.09	36.03	30.46	28.89	2016
38.66	36.56	35.32	32.06	38.79	36.72	36.55	34.20	35.32	33.91	2017
38.94	36.84	35.75	32.36	39.03	36.95	37.44	35.04	-	-	2018
38.78	36.65	36.40	32.77	38.84	36.73	35.77	33.66	-	-	2019
38.84	36.64	36.05	32.34	38.91	36.73	36.08	33.64	35.89	34.56	2020
38.81	36.56	34.53	30.87	38.91	36.68	35.78	33.37	35.56	34.19	2021
38.93	36.72	34.56	30.98	39.02	36.83	36.32	33.94	35.68	34.40	2022
38.71	36.54	34.14	30.59	38.80	36.64	-	-	35.39	34.06	2023
38.55	36.34	34.30	30.68	38.64	36.45	-	-	34.18	32.89	2024

Note: Including decreased power due to heat supply to district heat plants from 1987

Source: Korea Electric Power Corporation

## 7. 송배전 손실

	송전단 전력량 <sup>1</sup> Net generation <sup>1</sup>	송배전 손실 Transmission & Substation Loss		
		배분 전력량 <sup>2</sup> Distribution <sup>2</sup>	손실량 Losses	손실률 Loss rate
	MWh	MWh	MWh	%
1990	100,002,741	96,761,186	3,241,555	3.24
1991	110,571,199	107,078,182	3,493,017	3.16
1992	122,308,820	118,204,055	4,104,765	3.36
1993	135,272,537	130,952,464	4,320,073	3.19
1994	155,218,428	150,306,190	4,912,238	3.16
1995	172,693,293	166,906,729	5,786,564	3.35
1996	192,882,960	186,585,026	6,297,934	3.27
1997	211,028,738	204,637,553	6,391,185	3.03
1998	203,430,303	196,888,056	6,542,247	3.22
1999	225,802,022	218,519,532	7,282,490	3.23
2000	251,953,275	244,460,312	7,492,963	2.97
2001	269,842,046	262,296,172	7,545,874	2.80
2002	290,058,444	282,149,981	7,908,463	2.73
2003	305,644,685	297,326,501	8,318,184	2.72
2004	324,885,244	316,019,419	8,865,825	2.73
2005	346,207,398	336,548,986	9,658,412	2.79
2006	363,053,968	356,260,249	6,793,719	1.87
2007	384,693,240	378,009,889	6,683,351	1.74
2008	401,726,293	394,246,885	7,479,407	1.86
2009	411,631,123	404,757,943	6,873,181	1.67
2010	451,432,992	444,144,049	7,288,944	1.61
2011	472,650,336	465,440,440	7,209,896	1.53
2012	484,334,191	476,693,295	7,640,896	1.58
2013	491,002,788	483,172,107	7,830,681	1.59
2014	494,716,613	486,874,854	7,841,759	1.59
2015	499,239,421	491,285,577	7,953,844	1.59
2016	514,118,988	505,937,374	8,181,614	1.59
2017	525,710,752	517,358,021	8,352,731	1.59
2018	543,231,596	534,612,230	8,619,366	1.59
2019	536,197,809	527,752,245	8,445,564	1.58
2020	525,850,762	517,571,775	8,278,987	1.57
2021	549,623,783	540,972,705	8,651,079	1.57
2022	566,864,976	557,950,473	8,914,502	1.57
2023	561,446,575	552,619,195	8,827,380	1.57
2024	566,462,433	557,561,915	8,900,518	1.57

1. 1961~2005년: (발전량-소내전력량)-양수전력량

2006년부터: (구입전력량+한전 도서발전 송전량)-양수전력량

2. 측정계량기 오차등급 개선

1961~2005년: 기계식(2.0%) 인력측정

2006년부터: 전자식(0.5%) 자동측정

자료: 한국전력공사

## 7. Transmission and Distribution Loss

배전 손실 Distribution losses			종합 손실 Total losses		
배전 판매량 Distribution Power sold	손실량 Losses	손실률 Loss rate	손실량 Losses	손실률 Loss rate	
MWh	MWh	%	MWh	%	
94,383,292	2,377,894	2.46	5,619,449	5.62	1990
104,374,022	2,704,160	2.53	6,197,177	5.60	1991
115,243,978	2,960,077	2.50	7,064,842	5.78	1992
127,733,923	3,218,541	2.46	7,538,614	5.57	1993
146,540,499	3,765,691	2.51	8,677,929	5.59	1994
163,270,294	3,636,435	2.18	9,422,999	5.46	1995
182,470,373	4,114,653	2.21	10,412,587	5.40	1996
200,783,627	3,853,926	1.88	10,245,111	4.85	1997
193,470,338	3,417,718	1.74	9,959,965	4.90	1998
214,521,910	3,997,622	1.83	11,280,112	5.00	1999
240,082,085	4,378,227	1.79	11,871,190	4.71	2000
257,701,607	4,594,565	1.75	12,140,439	4.50	2001
277,063,960	5,086,021	1.80	12,994,484	4.48	2002
292,105,448	5,221,053	1.76	13,539,237	4.43	2003
310,394,798	5,624,621	1.78	14,490,446	4.46	2004
330,592,630	5,956,356	1.77	15,614,768	4.51	2005
348,466,741	7,793,508	2.19	14,587,227	4.02	2006
369,348,078	8,661,810	2.29	15,345,161	3.99	2007
385,619,917	8,626,969	2.19	16,106,376	4.01	2008
394,861,383	9,896,559	2.45	16,769,740	4.07	2009
433,398,756	10,745,293	2.42	18,034,236	3.99	2010
455,219,953	10,220,487	2.20	17,430,383	3.69	2011
467,042,687	9,650,608	2.02	17,291,504	3.57	2012
472,691,677	10,480,430	2.17	18,311,111	3.73	2013
476,446,201	10,428,653	2.14	18,270,412	3.69	2014
481,260,212	10,025,365	2.04	17,979,209	3.60	2015
495,644,146	10,293,228	2.03	18,474,842	3.59	2016
506,920,655	10,437,366	2.02	18,790,097	3.57	2017
523,872,241	10,739,989	2.01	19,359,355	3.56	2018
517,197,335	10,554,911	2.00	19,000,475	3.54	2019
507,240,791	10,330,984	2.00	18,609,971	3.54	2020
530,199,565	10,773,139	1.99	19,424,218	3.53	2021
546,845,160	11,105,313	1.99	20,019,815	3.53	2022
541,633,125	10,986,071	1.99	19,813,450	3.53	2023
546,496,026	11,065,889	1.98	19,966,407	3.52	2024

1. 1961~2005: (Gross generation-Auxiliary use)-Pumping storage  
from 2006: (Power purchasing results + net generation in islands)-Pumping storage

2. Improving the error class of meter

1961~2005: measuring mechanical meter by human(2.0%)  
from 2006: measuring electronic meter automatically(0.5%)

자료: Korea Electric Power Corporation

## 8-1. 산업분류별 전력 소비량(~2019)

단위: GWh

Unit: GWh

		1981		1990		2000		2010		2019	
			%		%		%		%		%
<b>합계</b>	<b>Total</b>	35,424	100	94,383	100	239,535	100	434,160	100	520,499	100
가정용	Residential	5,934	16.8	17,735	18.8	37,102	15.5	61,194	14.1	70,455	13.5
공공용	Public	1,310	3.7	3,291	3.5	8,663	3.6	19,872	4.6	24,458	4.7
<b>서비스</b>	<b>Service</b>	3,422	9.7	13,097	13.9	59,473	24.8	127,732	29.4	142,907	27.5
전기사업자	Electricity	43	0.1	96	0.1	296	0.1	2,227	0.5	2,257	0.4
수도	Water	1,280	3.6	2,589	2.7	4,526	1.9	4,886	1.1	5,445	1.0
상가 및 기타	Commercial & Others	2,099	5.9	10,412	11.0	54,651	22.8	120,619	27.8	135,205	26.0
<b>수송(전철)</b>	<b>Transport (Electric Railway)</b>	462	1.3	1,012	1.1	2,037	0.9	2,191	0.5	2,909	0.6
<b>산업</b>	<b>Industry</b>	24,296	68.6	59,248	62.8	132,260	55.2	223,171	51.4	279,769	53.8
농림어업	Agri.-Fishery	255	0.7	1,458	1.5	5,306	2.2	10,042	2.3	17,305	3.3
광업	Mining	715	2.0	1,011	1.1	1,003	0.4	1,683	0.4	1,493	0.3
제조업	Total Manuf.	23,325	65.8	56,779	60.2	125,952	52.6	211,447	48.7	260,972	50.1
식료품	Food, beverage	1,532	4.3	3,540	3.8	6,149	2.6	8,737	2.0	12,232	2.4
섬유·의복	Textile, clothes	4,854	13.7	9,505	10.1	15,497	6.5	12,362	2.8	9,936	1.9
목재·나무	Lumber, wood	347	1.0	623	0.7	1,137	0.5	1,754	0.4	1,735	0.3
펄프·인쇄	Pulp, printing	1,590	4.5	3,877	4.1	8,843	3.7	10,019	2.3	9,421	1.8
석유·화학	Petroleum, chemistry	4,518	12.8	10,922	11.6	26,899	11.2	43,213	10.0	62,371	12.0
요업	Ceramic industry	2,642	7.5	5,633	6.0	8,981	3.7	11,620	2.7	11,724	2.3
1차금속	Basic Metal	4,945	14.0	10,064	10.7	23,751	9.9	41,834	9.6	42,001	8.1
기계·장비	Machinery Equipment	2,666	7.5	12,091	12.8	32,997	13.8	79,490	18.3	106,695	20.5
기타	Others	231	0.7	525	0.6	1,697	0.7	2,418	0.6	4,858	0.9

자료: 한국전력공사

## 8-2. 산업분류별 전력 소비량(2020~)

단위: GWh

Unit: GWh

		2020		2021		2022		2023		2024	
			%		%		%		%		%
<b>합계</b>	<b>Total</b>	509,270	100	533,431	100	547,933	100	545,966	100	549,821	100
가정용	Residential	74,074	14.5	77,558	14.5	78,558	14.3	79,886	14.6	84,427	15.4
공공용	Public	23,623	4.6	25,026	4.7	26,218	4.8	26,604	4.9	27,109	4.9
<b>서비스업 및 기타</b>	<b>Service</b>	144,444	28.4	148,182	27.8	155,220	28.3	157,771	28.9	161,049	29.3
<b>산업</b>	<b>Industry</b>	267,129	52.5	282,665	53.0	287,937	52.5	281,705	51.6	277,236	50.4
농림어업	Agri.-Fishery	17,037	3.3	18,496	3.5	19,285	3.5	18,777	3.4	19,065	3.5
광업	Mining	1,552	0.3	1,807	0.3	1,759	0.3	1,709	0.3	1,639	0.3
제조업	Total Manuf.	248,540	48.8	262,362	49.2	266,893	48.7	261,218	47.8	256,532	46.7
식료품	Food	11,534	2.3	12,114	2.3	12,422	2.3	12,479	2.3	12,817	2.3
음료	Beverages	1,167	0.2	1,229	0.2	1,284	0.2	1,308	0.2	1,321	0.2
담배	Tobacco	201	0.0	194	0.0	202	0.0	209	0.0	200	0.0
섬유제품	Textiles, except apparel	7,654	1.5	8,166	1.5	7,797	1.4	6,854	1.3	6,073	1.1
의복, 액세서리, 모피제품	Wearing apparel, clothing accessories and fur articles	583	0.1	594	0.1	596	0.1	565	0.1	526	0.1
가죽, 가방, 신발	Leather, luggage and footwear	459	0.1	472	0.1	465	0.1	431	0.1	411	0.1
목재, 나무제품	Wood and of products of wood	1,703	0.3	1,761	0.3	1,754	0.3	1,648	0.3	1,564	0.3
펄프, 종이, 종이제품	Pulp, paper	7,853	1.5	8,010	1.5	8,010	1.5	7,691	1.4	7,657	1.4
인쇄, 기록매체	Printing and reproduction of recorded media	1,188	0.2	1,204	0.2	1,185	0.2	1,142	0.2	1,115	0.2
코크스, 연탄, 석유정제품	Coke, briquettes and refined petroleum products	12,550	2.5	13,281	2.5	14,038	2.6	13,420	2.5	13,408	2.4
화학물질, 화학제품	Chemicals and chemical products	38,342	7.5	41,256	7.7	40,984	7.5	41,210	7.5	41,631	7.6
의료용 물질, 의약품	Pharmaceuticals, medicinal chemical	2,499	0.5	2,676	0.5	2,957	0.5	3,168	0.6	3,327	0.6
고무제품, 플라스틱제품	Rubber and plastics products	8,679	1.7	9,473	1.8	9,480	1.7	9,013	1.7	9,132	1.7
비금속 광물제품	Other non-metallic mineral products	11,154	2.2	11,700	2.2	11,798	2.2	11,438	2.1	10,539	1.9
1차 금속	Basic metal	36,343	7.1	35,044	6.6	35,044	6.4	32,875	6.0	30,084	5.5
금속가공제품	Fabricated metal	8,409	1.7	8,764	1.6	8,659	1.6	8,469	1.6	8,195	1.5
전자, 영상, 음향, 컴퓨터, 통신장비	Electronic components, computer	53,311	10.5	57,788	10.8	60,192	11.0	58,359	10.7	57,451	10.4
의료, 정밀, 광학, 시계	Medical, precision and optical	3,843	0.8	4,144	0.8	4,090	0.7	3,877	0.7	3,493	0.6
전기장비	Electrical equipment	6,902	1.4	7,710	1.4	8,219	1.5	8,701	1.6	9,260	1.7
기타기계, 장비	Other machinery	10,169	2.0	11,131	2.1	11,391	2.1	11,300	2.1	11,300	2.1
자동차, 트레일러	Motor vehicles, trailers	16,489	3.2	17,983	3.4	18,517	3.4	18,984	3.5	18,871	3.4
기타운송장비	Other transport equipment	4,170	0.8	4,103	0.8	4,226	0.8	4,661	0.9	4,832	0.9
가구	Furniture	673	0.1	702	0.1	699	0.1	672	0.1	654	0.1
기타 제품	Other manufacturing	2,589	0.5	2,781	0.5	2,803	0.5	2,668	0.5	2,591	0.5
산업기계, 정비수리	Maintenance and repair services	76	0.0	79	0.0	80	0.0	78	0.0	78	0.0

Source: Korea Electric Power Corporation

## 9. 계약종별 고객호수 및 판매 전력량

	고객호수 Number of Customers							
	합계 Total	주택용 Residential	일반용 Public & Service	교육용 Educational	산업용 Industrial	농사용 Agricultural	가로등 Street Lighting	심야 Midnight Power
	호(Customer)							
2001	15,618,745	11,354,801	1,971,308	15,662	288,252	916,424	523,041	549,257
2002	16,490,026	11,800,049	2,097,012	15,898	301,411	1,097,075	551,238	627,343
2003	16,775,526	12,039,941	2,187,470	15,946	304,227	987,177	576,513	664,252
2004	17,061,591	12,156,544	2,259,099	16,063	306,175	1,015,001	612,218	696,491
2005	17,329,494	12,224,192	2,315,511	16,410	310,079	1,045,890	660,624	756,788
2006	17,624,836	12,280,190	2,366,333	30,745	315,743	1,087,426	712,278	832,121
2007	18,038,810	12,392,777	2,451,135	32,649	322,894	1,142,769	821,139	875,447
2008	18,419,048	12,553,340	2,503,422	33,703	329,458	1,195,544	883,533	920,048
2009	18,727,411	12,682,652	2,552,298	33,907	337,683	1,200,032	985,102	935,737
2010	19,229,450	12,904,238	2,632,860	34,376	348,096	1,260,276	1,117,657	931,947
2011	19,814,866	13,181,372	2,710,906	34,625	358,220	1,335,748	1,271,913	922,082
2012	20,475,899	13,514,464	2,817,597	34,788	367,888	1,432,599	1,398,414	910,149
2013	21,017,693	13,822,791	2,893,935	19,912	377,411	1,495,113	1,511,494	897,037
2014	21,532,269	14,117,408	2,954,628	20,217	387,533	1,565,503	1,604,510	882,470
2015	22,030,215	14,419,050	3,016,678	20,489	396,862	1,638,132	1,672,745	866,259
2016	22,552,719	14,728,391	3,088,632	20,663	405,771	1,710,781	1,751,669	846,812
2017	23,077,023	15,085,547	3,115,221	20,972	413,877	1,784,191	1,830,973	826,242
2018	23,501,542	15,317,045	3,173,093	20,992	420,999	1,849,453	1,918,848	801,112
2019	23,860,032	15,487,494	3,231,261	21,057	425,249	1,907,398	2,010,103	777,470
2020	24,198,304	15,609,631	3,278,071	20,996	429,973	1,977,365	2,130,215	752,053
2021	24,523,304	15,728,358	3,358,143	20,971	434,174	2,051,417	2,206,425	723,816
2022	24,866,375	15,811,248	3,478,752	20,833	437,670	2,122,728	2,293,016	702,128
2023	25,128,874	15,900,516	3,555,485	20,780	439,483	2,159,915	2,372,604	680,091
2024	25,321,196	15,988,263	3,592,420	20,705	438,668	2,192,138	2,431,007	657,995

자료: 한국전력공사



## 9. Number of Customers and Power Sold by Segments

판매 전력량 Power Sold								
합계 Total	주택용 Residential	일반용 Public & Service	교육용 Educational	산업용 Industrial	농사용 Agricultural	가로등 Street Lighting	심야 Midnight Power	
MWh								
257,731,354	40,269,734	52,622,435	2,639,687	142,160,215	6,142,090	1,877,624	12,019,568	2001
278,451,372	43,452,142	57,428,012	2,953,566	151,196,192	6,328,169	2,075,944	15,017,346	2002
293,599,230	46,505,348	61,626,421	3,351,320	157,844,517	6,147,364	2,197,210	15,927,049	2003
312,095,586	49,513,298	67,475,970	3,773,549	166,222,983	6,766,324	2,367,077	15,976,384	2004
332,412,828	52,044,462	73,715,517	4,308,748	174,945,373	7,317,815	2,570,006	17,510,908	2005
348,719,371	53,912,272	77,809,152	4,790,496	183,067,127	7,635,660	2,687,040	18,817,624	2006
368,605,433	55,680,846	82,207,586	5,304,104	194,936,409	8,215,174	2,793,943	19,467,371	2007
385,070,137	57,877,514	86,827,003	5,783,324	203,474,609	8,869,459	2,847,241	19,390,987	2008
394,474,637	59,427,255	89,619,316	6,465,449	207,215,867	9,671,357	2,954,231	19,121,163	2009
434,160,228	63,199,602	97,410,032	7,452,576	232,672,176	10,654,295	3,081,490	19,690,056	2010
455,070,261	63,523,655	99,504,065	7,568,016	251,490,648	11,231,538	3,145,498	18,606,840	2011
466,592,949	65,483,733	101,592,760	7,860,449	258,101,933	12,776,045	3,158,091	17,619,937	2012
474,848,580	65,814,572	102,196,338	7,947,317	265,372,531	13,865,837	3,156,226	16,495,759	2013
477,591,701	64,457,263	100,760,879	7,438,374	272,551,573	14,504,731	3,221,008	14,657,873	2014
483,654,816	65,618,610	103,679,346	7,690,600	273,547,997	15,702,468	3,341,240	14,074,556	2015
497,038,904	68,056,786	108,616,888	8,079,392	278,827,855	16,579,843	3,462,314	13,415,826	2016
507,746,386	68,543,760	111,297,776	8,316,290	285,969,563	17,250,850	3,556,775	12,811,372	2017
526,149,162	72,894,709	116,933,912	8,677,808	292,998,663	18,503,827	3,582,649	12,557,594	2018
520,498,738	72,638,868	116,226,510	8,560,660	289,240,198	18,882,368	3,571,475	11,378,658	2019
509,269,715	76,303,405	113,638,542	7,515,352	278,660,247	19,028,829	3,506,999	10,616,342	2020
533,430,811	79,914,811	119,550,386	8,422,605	291,333,422	20,603,212	3,444,429	10,161,945	2021
547,932,742	80,996,133	127,192,892	9,073,974	296,035,507	21,420,089	3,424,194	9,789,953	2022
545,965,955	82,348,423	130,843,830	9,231,947	290,555,371	20,762,855	3,398,721	8,824,809	2023
549,820,665	86,989,168	134,806,918	9,432,713	286,212,188	21,088,218	3,401,569	7,889,891	2024

Source: Korea Electricity Power Corporation

## 10. 계약종별 판매 단가 및 판매 수입

	판매 단가 Average Prices per kWh							
	평균 Average	주택용 Residential	일반용 Public & Service	교육용 Educational	산업용 Industrial	농사용 Agricultural	가로등 Street Lighting	심야 Midnight Power
	KRW/kWh							
2001	77.06	111.71	107.99	92.74	61.56	43.51	68.14	24.06
2002	75.21	110.31	104.42	90.78	60.08	43.16	66.22	26.03
2003	74.68	107.96	100.59	90.24	60.30	43.45	65.75	29.72
2004	74.58	110.41	96.85	89.05	60.23	41.95	65.33	30.61
2005	74.46	110.82	95.24	89.00	60.25	41.67	65.65	32.39
2006	76.43	114.33	97.91	77.48	61.92	42.96	68.61	34.60
2007	77.85	114.31	97.68	77.20	64.56	42.45	71.47	38.93
2008	78.76	114.97	95.30	78.58	66.24	42.38	72.50	45.69
2009	83.59	114.45	98.50	83.56	73.69	42.13	76.65	47.16
2010	86.12	119.85	98.93	87.23	76.63	42.54	81.13	50.49
2011	89.32	119.99	101.69	94.18	81.23	42.72	87.18	54.35
2012	99.10	123.69	112.50	108.84	92.83	42.90	98.89	58.65
2013	106.33	127.02	121.98	115.99	100.70	45.51	107.33	63.52
2014	111.28	125.14	129.75	114.15	106.83	47.31	113.39	67.33
2015	111.57	123.69	130.46	113.22	107.41	47.31	113.37	67.22
2016	111.23	121.52	130.41	111.51	107.11	47.41	113.35	67.56
2017	109.53	108.50	130.42	103.07	107.41	47.57	113.48	67.48
2018	108.75	106.87	129.97	104.12	106.46	47.43	113.76	67.59
2019	108.66	104.95	130.33	103.85	106.56	47.74	113.91	67.38
2020	109.80	107.89	131.60	103.99	107.35	48.45	114.35	67.03
2021	108.11	109.16	128.47	101.69	105.48	45.95	112.97	65.66
2022	120.51	121.32	139.10	111.53	118.66	56.89	124.53	74.26
2023	152.80	149.75	169.46	138.83	153.71	75.10	152.70	101.85
2024	162.92	156.91	172.99	143.00	168.17	82.12	158.90	108.31

자료: 한국전력공사

## 10. Average Price and Sales Revenue by Segments

판매 수입 Revenues from sales								
합계 Total	주택용 Residential	일반용 Public & Service	교육용 Educational	산업용 Industrial	농사용 Agricultural	가로등 Street Lighting	심야 Midnight Power	
Million KRW								
19,861,385	4,498,641	5,682,563	244,808	8,750,976	267,220	127,941	289,236	2001
20,943,327	4,793,300	5,996,352	268,119	9,084,047	273,120	137,459	390,931	2002
21,925,576	5,020,912	6,198,741	302,415	9,518,541	267,090	144,463	473,415	2003
23,276,653	5,466,721	6,535,017	336,037	10,011,335	283,880	154,649	489,014	2004
24,752,637	5,767,494	7,020,625	383,468	10,540,235	304,919	168,727	567,169	2005
26,652,703	6,163,641	7,618,539	371,157	11,335,905	327,996	184,370	651,095	2006
28,695,990	6,365,006	8,030,375	409,466	12,584,836	348,729	199,696	757,883	2007
30,328,758	6,654,217	8,274,673	454,427	13,477,191	375,931	206,419	885,900	2008
32,975,019	6,801,454	8,827,082	540,273	15,270,617	407,448	226,431	901,714	2009
37,390,071	7,574,769	9,637,138	650,061	17,830,665	453,201	250,010	994,228	2010
40,647,051	7,621,964	10,118,764	712,751	20,428,280	479,851	274,239	1,011,203	2011
46,237,820	8,099,666	11,428,850	855,547	23,959,882	548,102	312,299	1,033,475	2012
50,488,373	8,359,482	12,466,202	921,824	26,723,313	630,971	338,754	1,047,827	2013
53,144,071	8,066,377	13,073,321	849,079	29,116,999	686,214	365,234	986,847	2014
53,963,686	8,116,165	13,526,416	870,692	29,382,566	742,907	378,804	946,137	2015
55,287,523	8,270,443	14,164,678	900,914	29,866,595	786,032	392,457	906,404	2016
55,614,011	7,437,259	14,515,430	857,124	30,715,446	820,635	403,631	864,486	2017
57,217,586	7,790,409	15,198,336	903,498	31,191,485	877,588	407,556	848,714	2018
56,556,500	7,623,685	15,147,479	889,053	30,821,349	901,439	406,829	766,667	2019
55,918,578	8,232,507	14,955,272	781,516	29,914,726	921,881	401,012	711,664	2020
57,671,488	8,723,166	15,358,189	856,494	30,730,573	946,732	389,134	667,200	2021
66,030,084	9,826,366	17,692,429	1,012,043	35,127,215	1,218,629	426,408	726,994	2022
83,425,493	12,332,006	22,172,940	1,281,676	44,661,860	1,559,252	518,975	898,784	2023
89,579,396	13,649,862	23,320,706	1,348,889	48,133,028	1,731,851	540,495	854,565	2024

Source: Korea Electricity Power Corporation

11. 전력구입실적

11. Power Purchasing Results

	합계 Total			전력시장 Electricity Market			PPA (Power Purchase Agreement)		
	구입량 Volume	구입액 Payment	단가 Unit cost	구입량 Volume	구입액 Payment	단가 Unit cost	구입량 Volume	구입액 Payment	단가 Unit cost
	GWh	Bil. KRW	KRW/kWh	GWh	Bil. KRW	KRW/kWh	GWh	Bil. KRW	KRW/kWh
2002	295,523	14,533	49.18	281,873	13,392	47.51	13,650	1,141	83.57
2003	310,595	15,725	50.63	299,510	14,669	48.98	11,084	1,055	95.19
2004	328,526	16,766	51.03	318,062	15,747	49.51	10,464	1,020	97.43
2005	349,276	18,544	53.09	338,864	17,374	51.27	10,412	1,170	112.38
2006	365,236	20,317	55.63	354,866	19,018	53.59	10,370	1,299	125.27
2008	404,820	29,109	71.91	392,431	26,880	68.50	12,389	2,228	179.86
2009	415,166	28,473	68.58	405,690	26,965	66.47	9,476	1,508	159.10
2010	455,091	34,507	75.82	440,863	32,312	73.29	14,228	2,195	154.27
2011	476,995	39,373	82.54	462,357	36,844	79.69	14,638	2,529	172.78
2012	489,200	45,862	93.75	471,800	42,613	90.32	17,400	3,249	186.70
2013	496,179	45,449	91.60	479,287	42,288	88.23	16,892	3,161	187.10
2014	501,486	46,987	93.70	490,372	44,727	91.21	11,114	2,260	203.32
2015	503,829	43,288	85.92	495,114	41,913	84.65	8,715	1,375	157.74
2016	518,598	43,052	83.02	508,879	41,829	82.20	9,719	1,223	125.81
2017	530,932	46,360	87.32	520,230	44,985	86.47	10,702	1,375	128.47
2018	548,093	52,435	95.67	536,287	50,850	94.82	11,805	1,585	134.25
2019	540,520	51,488	95.26	529,075	50,142	94.77	11,446	1,346	117.62
2020	529,839	45,058	85.04	515,107	43,767	84.97	14,732	1,291	87.62
2021	554,197	57,196	103.20	535,985	55,295	103.17	18,211	1,900	104.35
2022	571,514	92,859	162.48	550,832	88,670	160.97	20,681	4,189	202.54
2023	566,073	82,070	144.98	543,973	78,289	143.92	22,100	3,781	171.08
2024	572,253	77,127	134.78	549,130	73,955	134.68	23,123	3,172	137.17

자료: 한국전력공사

Source: Korea Electric Power Corporation

11-1. 2024년 PPA 전력구입실적 Purchase Results from Power Purchase Agreement

	합계 Total	복합화력 Combined Cycle		신재생 Renewables							기타 Others		
		CGN	소계 Subtotal	소수력 Small hydro	풍력 Wind	바이오 Bio	연료전지 Fuel cell	태양광에 너지 Solar energy	해양에너 지 Ocean energy	소계 Subtotal	구역전기 Communi ty energy service	폐기물 Waste	소계 Subtotal
구입량 Volume (GWh)	23,123	1,252	1,252	15	0	41	36	21,651	0	21,743	121	7	128
구입액 Payment (Bil. KRW)	3,172	303	303	2	0	5	5	2,841	0	2,853	15	1	16
단가 Unit cost (KRW/kWh)	137.17	241.91	241.91	127.32	129.46	127.77	127.92	131.24	127.57	131.22	121.61	140.76	122.72

자료: 한국전력공사

Source: Korea Electric Power Corporation

## 11-2. 전력시장 전력구입실적

## 11-2. Purchase Results from Electricity Market

	합계 Total	원자력 Nuclear	유연탄 Bituminous	무연탄 Anthracite	유류 Oil	LNG/ 복합 LNG/ Combine	신재생 Renewable	수력 Hydro	양수 Pumping	RPS 이행비용 RPS compliance costs	수요관리 Demand response	기 타 Other
	구입량 Volume (TWh)											
2011	462.4	147.8	185.8	7.8	9.5	96.1	7.9	4.1	3.2	-	-	0.2
2012	471.8	143.5	184.6	8.0	14.4	105.3	8.8	3.3	3.6	-	-	0.2
2013	479.3	132.4	186.9	6.5	14.7	119.9	11.1	3.6	4.1	-	-	0.2
2014	490.0	149.1	189.3	7.7	7.6	114.9	15.0	2.1	5.0	-	-	0.2
2015	495.1	157.1	194.2	6.8	9.4	106.4	15.8	1.5	3.6	-	-	0.3
2016	508.9	154.2	199.5	7.1	13.3	111.7	17.0	2.1	3.6	-	-	0.4
2017	520.2	141.1	224.8	4.0	5.7	117.5	20.0	2.3	4.2	-	-	0.6
2018	536.3	126.9	226.6	2.4	6.8	144.0	22.2	2.8	3.9	-	-	0.7
2019	529.1	138.6	215.0	2.3	4.0	138.7	22.6	2.2	3.4	-	-	2.2
2020	515.2	152.3	185.2	1.9	2.2	140.9	20.2	3.2	3.3	-	-	6.2
2021	536.0	150.2	186.8	1.7	2.1	163.1	23.4	2.3	3.7	-	-	2.8
2022	550.8	167.3	184.0	1.7	1.3	159.5	28.4	2.9	3.7	-	-	2.0
2023	544.0	171.5	184.0	1.7	0.6	153.3	30.6	3.0	3.8	-	-	2.4
2024	549.1	179.1	159.3	1.8	0.1	163.5	34.5	3.4	4.7	-	-	2.8
	구입액 Payment (조 원, Trillion KRW)											
2011	36.84	5.79	12.49	0.77	2.14	13.69	0.81	0.56	0.57	-	-	0.02
2012	42.61	5.69	12.25	0.83	3.65	17.71	1.04	0.61	0.81	-	-	0.03
2013	42.07	5.18	10.97	0.59	3.25	19.30	1.30	0.61	0.84	-	-	0.03
2014	43.92	8.19	12.42	0.71	1.67	18.50	1.73	0.33	0.87	-	-	0.03
2015	40.95	9.84	13.27	0.73	1.41	13.44	1.57	0.18	0.48	-	-	0.03
2016	40.51	10.49	14.73	0.63	1.46	11.10	1.50	0.19	0.38	-	-	0.03
2017	43.34	8.57	17.75	0.38	0.95	13.16	1.80	0.22	0.45	-	-	0.05
2018	48.63	7.89	18.79	0.26	1.18	17.49	2.16	0.30	0.49	-	-	0.07
2019	47.69	8.09	18.81	0.24	0.92	16.52	2.24	0.24	0.42	-	-	0.21
2020	41.57	9.09	15.21	0.15	0.42	13.92	1.61	0.26	0.37	-	-	0.54
2021	55.30	8.45	19.00	0.17	0.46	19.96	2.50	0.25	0.51	-	-	0.26
2022	88.67	8.80	29.08	0.34	0.41	38.25	5.77	0.62	1.03	3.75	0.24	0.39
2023	78.29	9.45	25.00	0.28	0.24	33.00	5.34	0.50	0.91	2.94	0.24	0.39
2024	73.96	11.88	22.89	0.25	0.05	28.71	4.78	0.51	0.98	3.30	0.24	0.36
	구입 단가 Unit Cost (KRW/kWh)											
2011	79.69	39.20	67.22	98.64	226.27	142.48	101.66	136.19	176.43	-	-	126.25
2012	90.32	39.61	66.34	103.88	253.20	168.25	118.66	180.95	222.90	-	-	156.00
2013	87.77	39.12	58.71	91.73	221.50	160.88	120.09	170.92	204.42	-	-	150.28
2014	89.62	54.96	65.59	91.18	220.97	161.03	117.08	160.89	171.83	-	-	142.75
2015	82.71	62.61	68.34	107.78	149.91	126.31	99.51	118.39	132.82	-	-	103.79
2016	79.61	68.03	73.84	88.57	110.28	99.38	88.22	87.01	106.35	-	-	78.25
2017	83.31	60.76	78.97	95.89	165.40	111.99	90.03	96.95	107.96	-	-	82.00
2018	90.68	62.18	82.94	106.49	173.37	121.39	97.50	109.36	125.81	-	-	96.25
2019	90.13	58.39	87.47	102.85	228.79	119.13	99.30	107.83	121.62	-	-	94.01
2020	80.68	59.69	82.13	81.48	193.12	98.81	79.70	81.72	113.07	-	-	87.03
2021	103.17	56.28	101.71	103.92	218.12	122.37	106.88	107.64	140.38	-	-	95.06
2022	160.97	52.58	157.98	202.71	304.02	239.90	203.47	210.81	277.84	-	-	196.30
2023	143.92	55.10	141.24	168.19	367.41	215.25	174.23	168.51	241.15	-	-	160.04
2024	134.68	66.37	143.67	142.20	443.24	175.58	138.59	148.14	209.25	-	-	131.50

자료: 한국전력공사

Source: Korea Electric Power Corporation

## 12. 부문별 전기 소비

## 12. Electricity Consumption by Sector

	최종소비 TFC											
	산업 <sup>2</sup> Industry <sup>2</sup>							수송 Transport			가정 Residential	상업·공공 Commercial & Public
	화학 및 석유화학 Chemical & petrochemical	철강 Iron & steel	기계류 Machinery	수송장비 Transport equipment	기타 Others			철도 Rail	도로 Road			
	TWh											
1990	93	58	10	10	12	-	26	1	1	-	18	16
1991	103	64	11	10	13	-	29	1	1	-	19	19
1992	113	69	13	11	14	-	31	1	1	-	22	22
1993	126	74	14	13	16	-	32	1	1	-	24	26
1994	144	84	15	14	19	-	36	1	1	-	27	32
1995	161	94	16	16	15	7	39	2	2	-	28	37
1996	179	104	18	18	18	8	42	2	2	-	31	43
1997	197	113	20	21	20	8	44	2	2	-	33	49
1998	191	106	20	20	18	7	41	2	2	-	33	50
1999	211	118	22	19	21	8	48	2	2	-	35	57
2000	236	128	23	20	24	9	52	2	2	-	37	68
2001	254	132	24	20	25	10	54	2	2	-	39	80
2002	274	140	25	20	27	11	57	2	2	-	42	89
2003	288	145	26	21	30	12	57	2	2	-	45	96
2004	306	153	27	21	33	13	57	2	2	-	49	103
2005	326	161	28	23	38	15	57	3	3	-	51	112
2006	342	168	28	24	42	16	58	3	3	-	53	119
2007	362	179	30	27	46	17	60	2	2	-	54	126
2008	378	187	31	32	50	18	57	2	2	-	56	132
2009	386	190	32	28	51	17	62	2	2	-	58	137
2010	426	215	34	34	59	20	66	2	2	-	61	148
2011	446	233	39	38	65	22	69	2	2	-	62	149
2012	457	239	40	38	69	23	70	2	2	-	64	152
2013	464	246	42	38	72	23	71	2	2	-	64	152
2014	466	253	44	40	73	24	72	2	2	-	63	148
2015	472	254	44	37	74	24	74	2	2	-	64	152
2016	485	258	46	35	76	24	77	3	3	-	66	158
2017	495	264	48	36	80	22	79	3	3	0	67	162
2018	513	271	49	35	85	22	80	3	3	0	71	169
2019	507	267	49	33	85	22	78	3	3	0	70	167
2020	497	255	50	26	83	21	75	3	3	0	74	165
2021	520	270	53	26	90	22	79	4	3	1	78	170
2022	534	274	53	26	93	23	79	4	3	1	79	178
2023	533	268	53	23	91	24	77	5	3	2	80	179
2024 <sup>p</sup>	537	264	54	22	90	24	75	6	3	3	84	182

## 13. 열에너지(지역난방) 수급

## 13. Heat Overview

	열 생산 Heat production			최종소비 TFC		
	열병합 CHP Plants	열전용 Heat-only plants		가정 Residential	상업·공공 Commercial & Public	
	1,000 toe					
1990	79	79	—	—	—	—
1991	110	106	3	—	—	—
1992	154	154	—	—	—	—
1993	293	293	—	—	—	—
1994	483	427	56	—	—	—
1995	1,175	1,073	102	637	603	34
1996	1,421	1,415	6	809	761	48
1997	1,544	1,391	154	928	871	57
1998	1,524	1,389	136	884	829	55
1999	1,912	1,614	298	1,033	960	72
2000	1,778	1,620	158	1,208	1,113	95
2001	1,783	1,624	159	1,217	1,102	115
2002	1,862	1,695	167	1,224	1,118	106
2003	1,967	1,637	330	1,395	1,151	244
2004	1,995	1,690	305	1,449	1,283	166
2005	2,299	1,885	414	1,652	1,449	202
2006	2,121	1,724	396	1,549	1,367	182
2007	2,132	1,651	481	1,576	1,391	185
2008	2,275	1,846	429	1,669	1,472	198
2009	2,287	1,944	343	1,715	1,525	189
2010	2,017	1,878	139	1,953	1,742	211
2011	2,546	2,329	216	1,954	1,743	211
2012	2,812	2,559	253	2,085	1,832	252
2013	2,460	2,260	199	2,049	1,797	252
2014	2,444	2,301	143	1,938	1,720	218
2015	2,450	2,255	194	1,905	1,663	242
2016	2,624	2,382	243	2,075	1,771	304
2017	2,844	2,691	154	2,300	1,955	345
2018	2,960	2,797	163	2,535	2,125	410
2019	3,161	2,920	241	2,471	2,080	391
2020	3,283	3,065	218	2,592	2,200	393
2021	3,090	2,865	225	2,701	2,265	435
2022	3,225	2,887	338	2,946	2,432	514
2023	3,278	3,061	217	2,889	2,331	558
2024 <sup>p</sup>	3,300	3,032	268	2,640	2,089	551



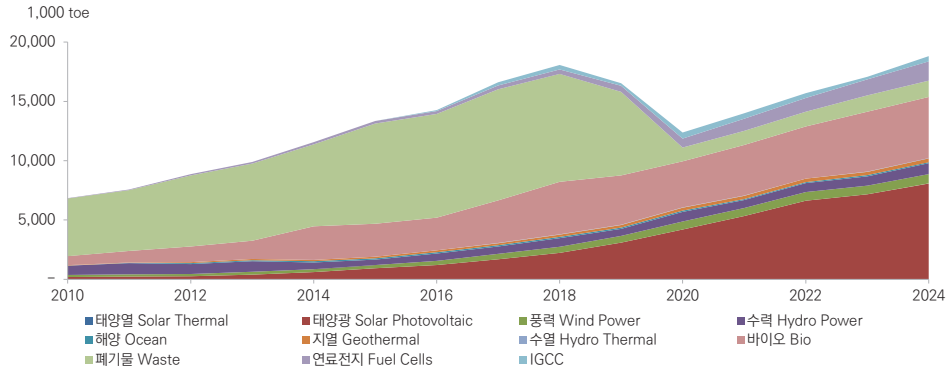






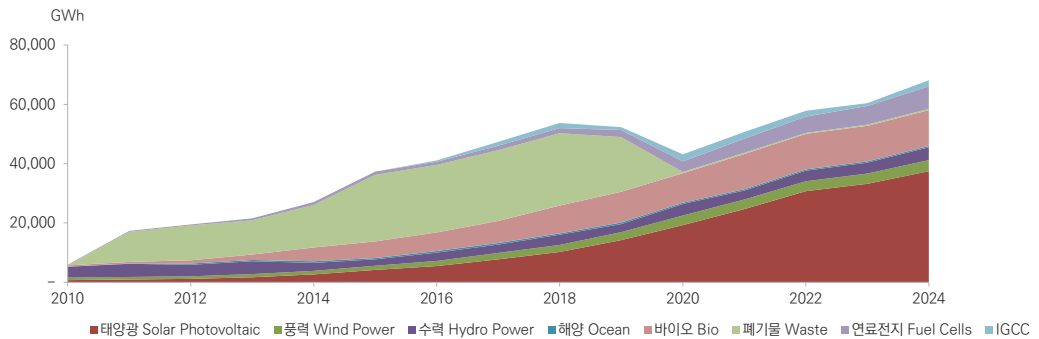
## ● 신재생에너지 생산량 Production of New & Renewable Energy(Calorific Unit)

〈1990~2024〉



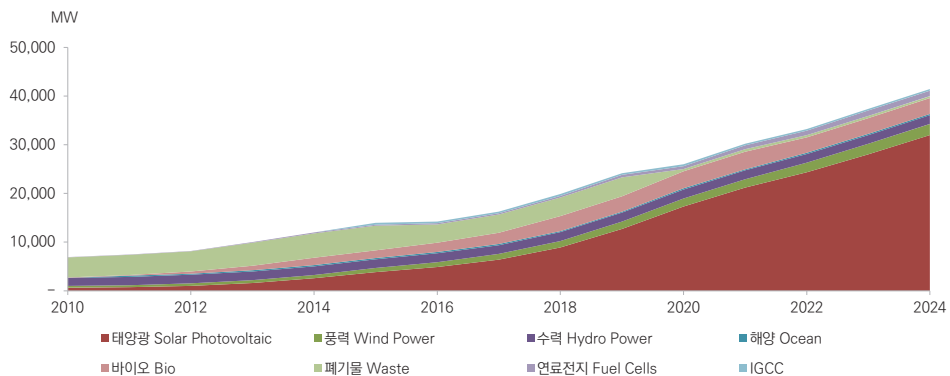
## ● 신재생에너지 발전량 Generation of New & Renewable Energy

〈1990~2024〉



## ● 신재생에너지 보급용량(발전-누적) Facility of New & Renewable Energy(Generation-Accumulative)

〈1990~2024〉



## 1. 신재생에너지 생산량(열량)

단위: toe

	2010	2011	2012	2013	2014	2015	2016	2017
<b>신·재생에너지 합계</b>	<b>6,856,419</b>	<b>7,584,042</b>	<b>8,856,234</b>	<b>9,893,583</b>	<b>11,569,103</b>	<b>13,350,608</b>	<b>14,268,768</b>	<b>16,604,536</b>
재생에너지	6,814,072	7,520,697	8,773,722	9,771,165	11,369,732	13,119,143	13,951,097	16,017,457
신에너지	42,347	63,345	82,512	122,418	199,371	231,465	317,672	587,079
재생에너지								
태양열	29,257	27,435	26,259	27,812	28,459	28,387	28,341	27,949
태양광	166,287	198,393	243,033	358,816	579,181	907,060	1,183,384	1,672,743
사업용	137,032	158,095	179,899	274,755	449,975	731,025	947,609	1,325,013
자가용	29,255	40,298	63,134	84,061	129,206	176,035	235,775	347,730
풍력	175,645	185,521	192,677	242,361	241,857	283,467	355,356	462,184
사업용	174,531	184,394	191,682	241,289	240,223	281,026	352,953	459,848
자가용	1,114	1,127	995	1,072	1,634	2,441	2,403	2,336
수력 <sup>1</sup>	792,293	965,373	814,933	892,232	581,186	453,787	603,244	600,690
사업용	792,075	965,120	814,537	891,015	579,882	452,157	602,578	599,897
자가용	218	253	396	1,217	1,304	1,630	666	793
해양	223	11,246	98,310	102,077	103,848	104,731	104,562	104,256
지열	33,449	47,833	65,277	86,959	108,472	135,046	162,041	183,913
수열	-	-	-	-	-	4,791	5,989	7,941
바이오	754,623	963,363	1,334,724	1,558,493	2,821,996	2,765,657	2,765,453	3,598,782
바이오가스	80,343	91,184	107,430	139,370	142,937	108,734	95,000	98,123
매립지가스	114,990	124,220	116,073	97,497	79,918	75,804	71,133	77,036
바이오디젤	356,822	336,054	359,916	369,081	387,699	441,345	442,859	428,053
목재칩 <sup>2</sup>	132,230	163,022	164,542	168,466	190,687	373,308	223,392	122,443
성형숯	23,053	24,591	23,857	23,517	24,927	15,828	15,432	15,663
숯 <sup>3</sup>	23,419	23,665	56,481	49,622	5,163	44,790	123,810	648,298
목재펠릿 <sup>2</sup>	23,766	50,995	120,055	268,129	795,215	823,763	817,172	1,099,049
폐목재 <sup>4</sup>	-	149,632	140,874	175,983	191,142	103,998	82,395	75,605
흑액	-	-	228,337	229,254	322,304	231,008	228,848	230,016
하수슬러지고형연료	-	-	17,159	37,574	41,477	78,484	77,843	100,749
Bio-SRF <sup>2</sup>	-	-	-	-	527,270	208,392	281,394	437,734
바이오중유	-	-	-	-	113,257	260,203	306,175	266,012
폐기물 <sup>5</sup>	4,862,296	5,121,533	5,998,509	6,502,414	6,904,733	8,436,217	8,742,727	9,358,998
폐가스	2,114,825	2,175,167	2,999,138	3,343,253	4,148,491	5,345,343	5,189,393	5,561,785
사업장폐기물	851,834	873,206	860,472	886,943	780,801	925,376	944,486	953,426
생활폐기물 <sup>6</sup>	94,406	184,506	147,247	169,121	157,178	972,271	949,551	1,001,529
대형도시쓰레기 <sup>6</sup>	717,671	753,252	748,372	698,870	725,420	-	-	-
시멘트소성로보조연료	618,082	681,415	752,890	899,151	837,114	807,229	661,278	654,136
RDF/RPF/TDF <sup>7,8</sup>	93,275	220,171	261,022	286,419	-	-	-	-
SRF <sup>8</sup>	-	-	-	-	58,935	207,638	821,614	1,005,761
정제연료유	227,497	233,816	229,368	218,657	196,794	178,360	176,405	182,361
폐목재 <sup>4</sup>	144,706	-	-	-	-	-	-	-
신에너지								
연료전지	42,347	63,345	82,512	122,418	199,371	230,180	241,568	313,218
사업용	40,436	60,730	78,987	118,348	194,714	226,069	237,279	308,375
자가용	1,911	2,615	3,525	4,070	4,657	4,111	4,289	4,844
IGCC	-	-	-	-	-	1,285	76,104	273,861

1. 수력은 양수발전 제외하며, '03년부터 수력에 대수력(10MW) 포함

2. 2014년부터 우드칩, 목재펠릿 중 일부는 Bio-SRF로 대체 분류

3. 2017년부터 입산연료는 행정자료 제공 기관(산림청 : 입산통계연보)의 통계수집 방법 변경

4. 2011년부터 폐목재는 폐기물에서 바이오로 분류변경. 2024년부터 Bio-SRF 또는 사업장폐기물 항목에 포함되어 집계되며, 별도 항목으로 구분하지 않음.

5. 신에너지 및 재생에너지 개발·이용·보급 촉진법 개정('19.10.01 시행)에 따라 폐기물에너지 중 비재생폐기물은 제외

6. 2015년부터 대형도시쓰레기는 생활폐기물로 포함

7. 2011년부터 TDF 추가

8. 2014년부터 RDF/RPF/TDF는 SRF로 대체 조사

주: 2024년 에너지원 명칭변경(우드칩→목재칩/성형탄→성형숯/입산연료→숯/산업폐기물→사업장폐기물/시멘트킬른보조연료→시멘트소성로보조연료)

자료: 한국에너지공단

# 1. Production of New & Renewable Energy(Calorific Unit)

Unit: toe

2018	2019	2020	2021	2022	2023	2024	
<b>18,059,346</b>	<b>16,524,882</b>	<b>12,378,065</b>	<b>14,000,317</b>	<b>15,706,206</b>	<b>17,058,307</b>	<b>18,812,997</b>	<b>Total</b>
17,318,186	15,813,116	11,115,797	12,510,554	14,134,169	15,511,748	16,754,521	Renewable energy
741,160	711,766	1,262,268	1,489,762	1,572,037	1,546,560	2,058,477	New energy
							Renewable energy
27,198	26,688	26,048	25,568	25,035	24,403	24,533	Solar Thermal
2,196,855	3,062,023	4,165,154	5,317,227	6,609,387	7,148,551	8,050,516	Solar Photovoltaic
1,750,684	2,504,790	3,504,379	4,567,632	5,683,463	6,158,299	6,887,339	Business
446,171	557,234	660,775	749,595	925,924	990,252	1,163,177	Private
525,210	570,836	671,107	677,507	717,864	722,687	796,104	Wind Power
522,772	568,596	668,708	675,174	715,435	720,451	793,034	Business
2,438	2,241	2,398	2,332	2,429	2,237	3,070	Private
718,787	594,539	826,344	651,227	755,117	791,963	918,797	Hydro Power <sup>1</sup>
718,140	593,974	825,838	650,633	754,249	791,591	918,447	Business
647	565	506	594	869	372	351	Private
103,380	101,030	97,397	96,911	90,279	93,202	89,137	Ocean
205,442	224,698	240,933	255,590	279,650	280,167	315,688	Geothermal
14,725	21,398	23,647	24,756	26,543	27,546	31,342	Hydro Thermal
4,442,376	4,162,427	3,899,174	4,263,576	4,372,872	5,029,898	5,147,176	Bio
91,740	96,281	95,385	114,343	101,807	118,259	129,176	Bio Gas
65,179	75,518	62,190	81,226	69,389	60,970	61,156	LFG
683,234	699,713	689,957	597,068	683,019	692,374	781,202	Bio Diesel
140,232	226,865	237,346	231,309	170,717	183,288	191,386	Wood Chip <sup>2</sup>
17,221	16,505	10,858	10,598	2,645	3,866	4,145	Wood Briquette
674,167	131,073	142,876	96,770	157,598	209,525	243,544	Fire Wood <sup>3</sup>
1,486,488	1,543,390	1,325,675	1,787,454	1,836,137	2,078,953	2,240,921	Wood Pellet <sup>2</sup>
73,771	66,663	72,501	66,622	65,629	48,710	-	Waste Wood <sup>4</sup>
218,902	205,286	197,589	212,208	224,899	220,401	231,421	Black Liquor
114,451	102,061	154,832	152,762	66,808	71,536	61,769	Sewage Solid Fuel
532,943	510,194	501,406	522,913	641,883	984,798	869,444	Bio-SRF <sup>2</sup>
344,048	488,877	408,559	390,302	352,340	357,217	333,010	Biobunker
9,084,212	7,049,477	1,165,993	1,198,193	1,257,422	1,393,329	1,381,228	Waste <sup>5</sup>
5,628,536	4,214,432	-	-	-	-	-	Waste Gas
944,887	747,659	308,446	308,638	306,647	311,020	325,745	Industrial Wastes
994,424	828,116	410,219	420,039	408,095	416,194	397,663	Living Wastes <sup>6</sup>
-	-	-	-	-	-	-	Municipal Solid Wastes <sup>5</sup>
626,621	577,577	234,334	272,998	318,115	404,222	416,117	Cement Kiln Fuel
-	-	-	-	-	-	-	RDF/RPF/TDF <sup>7,8</sup>
695,021	546,511	212,993	196,517	224,565	261,893	241,703	SRF <sup>8</sup>
194,723	135,182	-	-	-	-	-	Refinery Fuel Oil
-	-	-	-	-	-	-	Wood Waste <sup>4</sup>
							New energy
378,633	492,105	755,887	1,023,132	1,153,529	1,334,301	1,617,188	Fuel Cells
371,004	480,826	742,434	1,006,930	1,135,223	1,313,030	1,589,519	Business
7,629	11,279	13,453	16,202	18,307	21,272	27,670	Private
362,527	219,661	506,381	466,631	418,508	212,258	441,288	IGCC

1. Pumped-storage(hydro) has been excluded. Large-hydro(10MW) has been included.

2. Since 2014, some of the wood chips and wood pellets have been classified as Bio-SRF.

3. Since 2017, there has been a change in collecting data by Forest In Korea.

4. From 2011, waste wood was reclassified from waste to bioenergy. From 2024 onward, it is included under Bio-SRF or industrial waste and is no longer reported as a separate item.

5. The revision of 「Act on the promotion of the development, use and diffusion of new and renewable energy」 excludes the non-renewable waste from waste energy.

6. Since 2015, Municipal solid wastes has been classified as living wastes.

7. Since 2011, TDF has been added.

8. Since 2014, RDF/RPF/TDF have been surveyed for substitution with SRF.

Source: Korea Energy Agency

## 2. 신재생에너지 생산량(고유단위)

	2010	2011	2012	2013	2014	2015	2016	2017
태양열(toe)	29,257	27,435	26,259	27,812	28,459	28,387	28,341	27,949
태양광(MWh)	773,425	922,755	1,127,097	1,667,641	2,694,350	4,229,946	5,516,146	7,739,189
사업용	637,359	735,327	852,602	1,302,158	2,132,582	3,464,576	4,491,036	6,220,719
자가용	136,066	187,428	274,495	365,483	561,768	765,371	1,025,111	1,518,470
풍력(MWh)	816,954	862,889	912,773	1,148,211	1,145,601	1,342,491	1,683,214	2,169,112
사업용	811,772	857,646	908,447	1,143,549	1,138,496	1,331,877	1,672,764	2,158,913
자가용	5,182	5,243	4,326	4,662	7,105	10,614	10,450	10,199
수력(MWh) <sup>1</sup>	3,685,090	4,490,107	3,862,087	4,228,112	2,753,924	2,150,013	2,858,714	2,819,882
사업용	3,684,075	4,488,929	3,860,364	4,222,822	2,748,254	2,142,922	2,855,818	2,816,419
자가용	1,015	1,178	1,723	5,290	5,670	7,091	2,895	3,463
해양(MWh)	1,039	52,307	465,924	483,777	492,172	496,354	495,556	489,466
사업용	1,039	52,307	465,924	483,777	492,172	496,354	495,556	489,466
지열(toe)	33,449	47,833	65,277	86,959	108,472	135,046	162,041	183,913
수열(toe)	-	-	-	-	-	4,791	5,989	7,941
바이오								
바이오가스(천증기톤)	1,491	1,692	1,993	2,586	2,652	2,017	1,763	1,820
매립지가스(천증기톤)	2,133	2,305	2,153	1,809	1,483	1,406	1,320	1,429
바이오디젤(Tcal)	3,568	3,361	3,599	3,691	3,877	4,413	4,429	4,281
목재칩(Tcal) <sup>2</sup>	1,322	1,630	1,645	1,685	1,907	3,733	2,234	1,224
성형숯(Tcal)	231	246	239	235	249	158	154	157
숯(Tcal)	234	237	565	496	52	448	1,238	6,483
목재펠릿(Tcal) <sup>2</sup>	238	510	1,201	2,681	7,952	8,238	8,172	10,990
폐목재(천증기톤) <sup>3</sup>	-	2,776	2,614	3,265	3,546	1,929	1,529	1,403
흑액(Tcal)	-	-	2,283	2,293	3,223	2,310	2,288	2,300
하수슬러지 고행연료(Tcal)	-	-	172	376	415	785	778	1,007
Bio-SRF(Tcal) <sup>2</sup>	-	-	-	-	5,273	2,084	2,814	4,377
바이오중유(Tcal)	-	-	-	-	1,133	2,602	3,062	2,660
폐기물 <sup>4</sup>								
폐가스(천증기톤)	39,236	40,356	55,643	62,027	76,966	99,171	96,278	103,187
사업장폐기물(천증기톤)	15,804	16,200	15,964	16,455	14,486	17,168	17,523	17,689
생활폐기물(천증기톤) <sup>5</sup>	1,752	3,423	2,732	3,138	2,916	18,038	17,617	18,581
대형도시쓰레기(천증기톤) <sup>5</sup>	13,315	13,975	13,884	12,966	13,459	-	-	-
시멘트소성로보조연료(천증기톤)	11,467	12,642	13,968	16,682	15,531	14,976	12,269	12,136
RDF/RPF/TDF(Tcal) <sup>6,7</sup>	933	2,202	2,610	2,864	-	-	-	-
SRF(Tcal) <sup>7</sup>	-	-	-	-	589	2,076	8,216	10,058
정제연료유(Tcal)	2,275	2,338	2,294	2,187	1,968	1,784	1,764	1,824
폐목재(천증기톤) <sup>3</sup>	2,685	-	-	-	-	-	-	-
연료전지(MWh)	196,960	294,625	389,672	578,586	943,064	1,089,289	1,143,191	1,468,919
사업용	188,072	282,463	374,347	560,890	922,817	1,071,418	1,124,544	1,447,768
자가용	8,888	12,162	15,325	17,696	20,247	17,871	18,647	21,151
IGCC(MWh)	-	-	-	-	-	6,089	360,681	1,285,733
사업용	-	-	-	-	-	6,089	360,681	1,285,733

1. 수력은 양수발전 제외하며, 2003년부터 수력에 대수력(10MW) 포함

2. 2014년부터 우드칩, 목재펠릿 중 일부는 Bio-SRF로 대체 분류

3. 2011년부터 폐목재는 폐기물에서 바이오로 분류변경. 2024년부터 Bio-SRF 또는 사업장폐기물 항목에 포함되어 집계되며, 별도 항목으로 구분하지 않음.

4. 신에너지 및 재생에너지 개발·이용·보급 촉진법 개정(2019.10.01 시행)에 따라 폐기물에너지 중 비재생폐기물은 제외

5. 2015년부터 대형도시쓰레기는 생활폐기물로 포함

6. 2011년부터 TDF 추가

7. 2014년부터 RDF/RPF/TDF는 SRF로 대체 조사

주: 2024년 에너지원 명칭변경(우드칩→목재칩/성형탄→성형숯/임산연료→숯/산업폐기물→사업장폐기물/시멘트킬른보조연료→시멘트소성로보조연료)

자료: 한국에너지공단

## 2. Production of New &amp; Renewable Energy(Original Unit)

2018	2019	2020	2021	2022	2023	2024	
27,198	26,688	26,048	25,568	25,035	24,403	24,533	Solar Thermal(toe)
10,167,519	14,192,911	19,337,964	24,717,623	30,726,260	33,236,447	37,449,731	Solar Photovoltaic(MWh)
8,219,173	11,759,577	16,452,484	21,444,281	26,682,924	28,912,204	32,334,925	Business
1,948,345	2,433,335	2,885,480	3,273,342	4,043,336	4,324,243	5,114,806	Private
2,464,974	2,679,248	3,149,948	3,180,017	3,369,458	3,392,165	3,736,569	Wind Power(MWh)
2,454,329	2,669,463	3,139,475	3,169,833	3,358,850	3,382,397	3,723,163	Business
10,645	9,785	10,474	10,184	10,608	9,768	13,406	Private
3,374,375	2,791,076	3,879,383	3,057,210	3,544,866	3,718,015	4,313,488	Hydro Power(MWh) <sup>1</sup>
3,371,552	2,788,609	3,877,175	3,054,616	3,541,073	3,716,390	4,311,955	Business
2,823	2,467	2,208	2,595	3,793	1,625	1,532	Private
485,353	474,321	457,263	454,980	423,843	437,567	418,483	Ocean(MWh)
485,353	474,321	457,263	454,980	423,843	437,567	418,483	Business
205,442	224,698	240,933	255,590	279,650	280,167	315,688	Geothermal(toe)
14,725	21,398	23,647	24,756	26,543	27,546	31,342	Hydro Thermal(toe)
							Bio
1,702	1,786	1,770	2,121	1,889	2,194	2,397	Bio Gas(1,000 steam ton)
1,209	1,401	1,154	1,507	1,287	1,131	1,135	LFG(1,000 steam ton)
6,832	6,997	6,900	5,971	6,830	6,924	7,812	Bio-Diesel(Ton)
1,402	2,269	2,373	2,313	1,707	1,833	1,914	Wood Chip(Ton) <sup>2</sup>
172	165	109	106	26	39	41	Wood Briquette(Ton)
6,742	1,311	1,429	968	1,576	2,095	2,435	Fire Wood(Ton)
14,865	15,434	13,257	17,875	18,361	20,790	22,409	Wood Pellet(Ton) <sup>2</sup>
1,369	1,237	1,345	1,236	1,218	904	-	Waste Wood(1,000 steam ton) <sup>3</sup>
2,189	2,053	1,976	2,122	2,249	2,204	2,314	Black Liquor(Tcal)
1,145	1,021	1,548	1,528	668	715	618	Sewage Solid Fuel(Ton)
5,329	5,102	5,014	5,229	6,419	9,848	8,694	Bio-SRF(Ton) <sup>2</sup>
3,440	4,889	4,086	3,903	3,523	3,572	3,330	Bio-bunker(Tcal)
							Waste <sup>4</sup>
104,426	78,190	-	-	-	-	-	Waste Gas(1,000 steam ton)
17,530	13,871	5,723	5,726	5,689	5,770	6,044	Industrial Wastes(1,000 steam ton)
18,449	15,364	7,611	7,793	7,571	7,722	7,378	Living Wastes(1,000 steam ton) <sup>5</sup>
-	-	-	-	-	-	-	Municipal Solid Wastes(1,000 steam ton) <sup>5</sup>
11,626	10,716	4,348	5,065	5,902	7,499	7,720	Cement Kiln Fuel(1,000 steam ton)
-	-	-	-	-	-	-	RDF/RPF/TDA(Tcal) <sup>6,7</sup>
6,950	5,465	2,130	1,965	2,246	2,619	2,417	SRF(Tcal) <sup>7</sup>
1,947	1,352	-	-	-	-	-	Refinery Fuel Oil(Ton)
-	-	-	-	-	-	-	Waste Wood(1,000 steam ton) <sup>3</sup>
1,775,115	2,306,654	3,544,354	4,798,120	5,409,625	6,257,348	7,583,357	Fuel Cells(MWh)
1,741,801	2,257,401	3,485,608	4,727,370	5,329,684	6,164,458	7,462,529	Business
33,314	49,254	58,746	70,750	79,942	92,889	120,828	Private
1,702,006	1,031,272	2,377,374	2,190,755	1,964,827	996,517	2,071,775	IGCC(MWh)
1,702,006	1,031,272	2,377,374	2,190,755	1,964,827	996,517	2,071,775	Business

1. Pumped-storage(hydro) has been excluded. Large-hydro(10MW) has been included.

2. Since 2014, some of the wood chips and wood pellets have been classified as Bio-SRF.

3. From 2011, waste wood was reclassified from waste to bioenergy. From 2024 onward, it is included under Bio-SRF or industrial waste and is no longer reported as a separate item.

4. The revision of 「Act on the promotion of the development, use and diffusion of new and renewable energy」 excludes the non-renewable waste from waste energy.

5. Since 2015, Municipal solid wastes has been classified as living wastes.

6. Since 2011, TDF has been added.

7. Since 2014, RDF/RPF/TDF have been surveyed for substitution with SRF.

Source: Korea Energy Agency

## 3. 신재생에너지 발전량

단위: MWh

	2010	2011	2012	2013	2014	2015	2016	2017
<b>신·재생에너지 총발전량</b>	<b>5,890,180</b>	<b>17,351,213</b>	<b>19,521,955</b>	<b>21,500,322</b>	<b>27,020,292</b>	<b>37,329,731</b>	<b>41,049,367</b>	<b>47,306,018</b>
재생에너지	5,731,502	12,712,005	12,768,554	15,348,683	20,910,666	23,829,001	26,806,171	31,649,620
사업용	158,678	4,639,208	6,753,401	6,151,639	6,109,626	13,500,729	14,243,197	15,656,398
자가용	5,572,824	8,072,797	6,095,153	9,197,044	14,801,040	10,328,272	12,562,974	16,003,222
신에너지	158,678	17,056,588	19,132,283	20,921,736	26,077,228	36,234,353	39,545,496	44,551,367
사업용	5,543,430	12,429,542	12,394,207	14,787,793	19,987,849	22,751,494	25,320,946	28,916,119
자가용	149,790	4,627,046	6,738,076	6,133,943	6,089,379	13,482,859	14,224,550	15,635,247
태양광	196,960	294,625	389,672	578,586	943,064	1,095,507	1,503,871	2,754,652
사업용	188,072	282,463	374,347	560,890	922,817	1,077,507	1,485,225	2,733,501
자가용	8,888	12,162	15,325	17,696	20,247	17,871	18,647	21,151
풍력	773,425	922,755	1,127,097	1,667,641	2,694,350	4,229,946	5,516,146	7,739,189
사업용	637,359	735,327	852,602	1,302,158	2,132,582	3,464,576	4,491,036	6,220,719
자가용	136,066	187,428	274,495	365,483	561,768	765,371	1,025,111	1,518,470
수력 <sup>1)</sup>	816,954	862,889	912,773	1,148,211	1,145,601	1,342,491	1,683,214	2,169,112
사업용	811,772	857,646	908,447	1,143,549	1,138,496	1,331,877	1,672,764	2,158,913
자가용	5,182	5,243	4,326	4,662	7,105	10,614	10,450	10,199
해양	3,685,090	4,490,107	3,862,087	4,228,112	2,753,924	2,150,013	2,858,714	2,819,882
사업용	3,684,075	4,488,929	3,860,364	4,222,822	2,748,254	2,142,922	2,855,818	2,816,419
자가용	1,015	1,178	1,723	5,290	5,670	7,091	2,895	3,463
바이오 <sup>2)</sup>	1,039	52,307	465,924	483,777	492,172	496,354	495,556	489,466
사업용	1,039	52,307	465,924	483,777	492,172	496,354	495,556	489,466
자가용	416,713	524,623	1,027,251	1,839,568	4,656,237	5,546,583	6,237,564	7,466,664
바이오가스	409,185	469,805	654,430	1,366,716	4,225,476	5,169,641	5,940,066	7,178,784
자가용	7,528	54,818	372,821	472,852	430,761	380,942	297,498	287,879
바이오매스	17,401	44,860	38,973	99,810	94,930	121,142	138,600	170,599
자가용	9,873	20,263	15,461	37,480	47,507	92,207	100,320	142,362
자가용	7,528	24,597	23,512	62,330	47,423	28,935	38,279	28,236
매립지가스	399,312	440,814	419,409	293,298	253,024	252,312	238,584	255,827
사업용	399,312	440,814	419,409	293,298	246,543	246,589	238,584	255,827
자가용	-	-	-	-	6,481	5,723	-	-
목재 <sup>3)</sup>	-	8,728	88,060	119,712	106,168	132,176	54,486	52,518
사업용	-	8,728	23,057	62,111	105,908	131,297	54,486	52,518
자가용	-	-	65,003	57,601	260	879	-	-
목재펠릿 <sup>4)</sup>	-	-	83,015	696,539	2,764,069	2,512,521	2,679,313	3,722,931
사업용	-	-	83,015	696,539	2,764,069	2,508,862	2,679,313	3,722,931
자가용	-	-	-	-	3,659	3,659	-	-
폐목재	-	30,221	40,534	178,215	90,472	96,324	-	-
사업용	-	-	32,168	179,211	-	17,993	-	-
자가용	-	30,221	8,366	79,004	90,472	78,331	-	-
흑연	-	-	275,940	273,917	274,248	263,411	259,219	259,643
사업용	-	-	275,940	273,917	274,248	263,411	259,219	259,643
자가용	-	-	81,320	178,077	195,307	282,542	284,973	331,095
하수슬러지 고품연료	-	-	81,320	178,077	195,307	282,542	284,973	331,095
사업용	-	-	81,320	178,077	195,307	282,542	284,973	331,095
Bio-SRF <sup>5)</sup>	-	-	-	-	341,254	652,965	1,127,409	1,431,740
사업용	-	-	-	-	329,377	652,965	1,127,409	1,431,740
자가용	-	-	-	-	11,877	4	-	-
바이오중유	-	-	-	-	536,765	1,233,190	1,454,982	1,242,311
사업용	-	-	-	-	536,765	1,233,190	1,454,982	1,242,311
폐기물 <sup>6,7,8)</sup>	-	10,203,907	11,737,151	11,554,426	14,334,944	22,468,966	22,754,303	23,867,053
사업용	-	5,825,528	5,652,440	6,268,771	9,250,869	10,150,125	9,865,706	10,051,818
자가용	-	4,378,379	6,084,711	5,285,655	5,084,075	12,318,841	12,888,596	13,815,235
폐가스	-	9,862,615	11,162,731	11,092,956	13,737,289	21,419,499	21,672,062	22,892,836
사업용	-	5,568,052	5,459,106	6,060,450	8,924,777	9,503,822	9,217,232	9,334,436
자가용	-	4,294,563	5,703,625	5,032,506	4,812,512	11,915,677	12,454,830	13,558,400
사업장폐기물	-	45,713	27,598	23,410	66,381	86,666	174,950	159,714
사업용	-	11,708	4,600	11,613	51,158	57,544	174,903	156,506
자가용	-	34,005	22,998	11,797	15,223	29,122	47	3,208
생활폐기물 <sup>9)</sup>	-	56,708	100,697	181,142	234,469	694,377	406,578	371,828
사업용	-	48,298	57,725	92,857	102,300	397,335	128,816	125,992
자가용	-	8,410	42,972	88,285	132,169	297,042	277,762	245,836
대형도시쓰레기 <sup>10)</sup>	-	238,871	439,281	238,807	185,230	-	-	-
사업용	-	197,470	124,165	85,740	61,059	-	-	-
자가용	-	41,401	315,116	153,067	124,171	-	-	-
RDF/RPF/TDF <sup>11)</sup>	-	-	6,844	18,111	-	-	-	-
사업용	-	-	6,844	18,111	-	-	-	-
SRF <sup>12)</sup>	-	-	-	-	111,575	171,900	312,740	411,991
사업용	-	-	-	-	111,575	171,900	312,740	404,199
자가용	-	-	-	-	-	-	-	7,792
시멘트소성로보조연료	-	-	-	-	-	77,000	155,957	-
사업용	-	-	-	-	-	77,000	155,957	-
자가용	-	-	-	-	-	-	-	-
정제연료유	-	-	-	-	-	19,524	32,016	30,684
사업용	-	-	-	-	-	19,524	32,016	30,684
신에너지	-	-	-	-	-	-	-	-
연료전지	196,960	294,625	389,672	578,586	943,064	1,089,289	1,143,191	1,468,919
사업용	188,072	282,463	374,347	560,890	922,817	1,071,418	1,124,544	1,447,768
자가용	8,888	12,162	15,325	17,696	20,247	17,871	18,647	21,151
IGCC	-	-	-	-	-	6,089	360,681	1,285,733
사업용	-	-	-	-	-	6,089	360,681	1,285,733

1. 수력은 양수발전 제외하며, 2003년부터 수력에 대수력(10MW) 포함

2. 2012년부터 RPS 공급인증서 발급대상 바이오, 폐기물 혼소발전은 혼소비율을 반영하여 발전량 산정

3. 2014년부터 우드칩, 목재펠릿 중 일부는 Bio-SRF로 대체 분류

4. 2011년부터 폐기물 발전량 조사 시행

5. 신에너지 및 재생에너지 개발·이용·보급 촉진법 개정(2019.10.01 시행)에 따라 폐기물에너지 중 비재생폐기물은 제외

6. 2015년부터 대형도시쓰레기는 생활폐기물로 포함

7. 2014년부터 RDF/RPF/TDF는 SRF로 대체 조사

주: 2024년 에너지원 명칭변경(우드칩→목재칩/성형단→성형숯/임산연료→숯/산업폐기물→사업장폐기물/시멘트킬른보조연료→시멘트소성로보조연료)

자료: 한국에너지공단



## 3. Generation of New &amp; Renewable Energy

Unit: MWh

2018	2019	2020	2021	2022	2023	2024	Total	
53,687,940	52,340,558	43,123,776	50,657,393	57,779,999	60,399,865	68,115,782		
37,255,151	38,028,933	39,791,354	46,856,560	53,154,366	55,593,383	62,487,770		Business
16,432,789	14,311,625	3,332,422	3,800,833	4,625,634	4,806,483	5,628,012		Private
50,210,819	49,002,632	37,202,048	43,668,518	50,405,547	53,146,000	58,460,649		Renewable energy
33,811,345	34,740,260	33,928,372	39,938,435	45,859,855	48,432,407	52,953,466		Business
16,399,475	14,262,371	3,273,676	3,730,083	4,545,692	4,713,593	5,507,183		Private
3,477,121	3,337,926	5,921,728	6,988,875	7,374,452	7,253,865	9,655,133		New energy
3,443,807	3,288,673	5,862,982	6,918,125	7,294,511	7,160,976	9,534,304		Business
33,314	49,254	58,746	70,750	79,942	92,889	120,828		Private
10,167,519	14,192,911	19,337,964	24,717,623	30,726,260	33,236,447	37,449,731		Renewable energy
8,219,173	11,759,577	16,452,484	21,444,281	26,682,924	28,912,204	32,334,925		Solar Photovoltaic
1,948,345	2,433,335	2,885,480	3,273,342	4,043,336	4,324,243	5,114,806		Business
2,464,974	2,679,248	3,149,948	3,180,017	3,369,458	3,392,165	3,736,569		Private
2,454,329	2,669,463	3,139,475	3,169,833	3,358,850	3,382,397	3,723,163		Wind Power
10,645	9,785	10,474	10,184	10,608	9,768	13,406		Business
3,374,375	2,791,076	3,879,383	3,057,210	3,544,866	3,718,015	4,313,488		Private
3,371,552	2,788,609	3,877,175	3,054,616	3,541,073	3,716,390	4,311,955		Hydro Power <sup>1</sup>
2,823	2,467	2,208	2,595	3,793	1,625	1,532		Business
485,353	474,321	457,263	454,980	423,843	437,567	418,483		Private
485,353	474,321	457,263	454,980	423,843	437,567	418,483		Ocean
9,363,229	10,415,632	9,938,354	11,788,068	11,927,592	11,918,038	12,117,654		Business
9,076,016	10,111,194	9,664,364	11,454,757	11,503,337	11,652,459	11,623,889		Bio <sup>2</sup>
287,213	304,478	273,990	333,310	424,255	265,579	293,765		Business
175,007	195,247	179,046	191,081	152,742	160,550	194,068		Private
144,461	168,409	149,710	174,406	135,429	126,303	152,244		Bio Gas
30,546	26,838	29,336	16,675	17,312	34,247	41,823		Business
242,172	239,527	180,043	187,485	206,760	218,741	179,394		Private
242,172	239,527	180,043	187,485	206,760	218,741	179,394		LFG
53,786	41,753	99,242	222,248	319,428	423,195	559,688		Business
53,786	41,753	95,538	167,583	319,428	423,195	559,688		Private
4,837,318	4,959,229	4,928,845	6,794,232	7,393,419	6,597,030	7,245,849		Wood Chip <sup>3</sup>
4,837,318	4,959,229	4,928,845	6,794,232	7,393,419	6,597,030	7,245,849		Business
-	-	-	-	-	-	-		Private
-	-	-	-	-	-	-		Wood Pellet <sup>3</sup>
-	-	-	-	-	-	-		Business
-	-	-	-	-	-	-		Private
-	-	-	-	-	-	-		Waste Wood
-	-	-	-	-	-	-		Business
-	-	-	-	-	-	-		Private
256,667	277,640	240,950	261,970	234,792	231,332	251,942		Black Liquor
256,667	277,640	240,950	261,970	234,792	231,332	251,942		Private
405,314	338,143	410,193	406,146	73,784	94,512	159,149		Sewage Solid Fuel
405,314	338,143	410,193	406,146	73,784	94,512	159,149		Business
1,782,965	2,068,895	1,983,916	1,892,499	1,892,487	2,515,600	2,159,997		Bio-SRF <sup>3</sup>
1,782,965	2,068,895	1,983,916	1,892,499	1,720,336	2,515,600	2,159,997		Business
-	-	-	-	172,150	-	-		Private
1,609,999	2,295,198	1,918,119	1,832,406	1,654,179	1,677,077	1,367,568		Bio bunker
1,609,999	2,295,198	1,918,119	1,832,406	1,654,179	1,677,077	1,367,568		Business
24,355,370	18,449,443	439,137	470,620	413,529	443,769	424,724		Waste <sup>4,5,6</sup>
10,204,921	6,937,137	337,612	359,968	349,828	331,391	341,051		Business
14,150,448	11,512,307	101,525	110,652	63,701	112,378	83,673		Private
23,310,983	17,574,387	-	-	-	-	-		Waste Gas
9,445,991	6,281,275	-	-	-	-	-		Business
13,864,992	11,293,112	-	-	-	-	-		Private
158,923	157,812	91,821	108,574	142,400	116,131	91,722		Industrial Wastes
153,954	153,549	90,776	98,312	139,179	95,987	87,605		Business
4,969	4,263	1,045	10,263	3,221	20,144	4,117		Private
381,641	307,864	187,677	222,835	173,702	206,264	212,389		Living Wastes <sup>6</sup>
115,601	102,506	91,181	128,370	116,984	116,895	132,833		Business
266,040	205,358	96,496	94,465	56,718	89,369	79,556		Private
-	-	-	-	-	-	-		Municipal Solid Wastes <sup>6</sup>
-	-	-	-	-	-	-		Business
-	-	-	-	-	-	-		Private
-	-	-	-	-	-	-		RDF/RPF/TDF <sup>7</sup>
-	-	-	-	-	-	-		Business
455,951	392,976	159,639	139,211	97,427	121,373	120,613		SRF <sup>7</sup>
441,504	383,403	155,654	133,286	93,665	118,509	120,613		Business
14,447	9,573	3,984	5,924	3,762	2,865	0		Private
-	-	-	-	-	-	-		Cement Kiln Fuel
-	-	-	-	-	-	-		Private
47,871	16,404	-	-	-	-	-		Refinery Fuel Oil
47,871	16,404	-	-	-	-	-		Business
1,775,115	2,306,654	3,544,354	4,798,120	5,409,625	6,257,348	7,583,357		New energy
1,741,801	2,257,401	3,485,608	4,727,370	5,329,684	6,164,458	7,462,529		Fuel Cells
33,314	49,254	58,746	70,750	79,942	92,889	120,828		Business
1,702,006	1,031,272	2,377,374	2,190,755	1,964,827	996,517	2,071,775		Private
1,702,006	1,031,272	2,377,374	2,190,755	1,964,827	996,517	2,071,775		IGCC
								Business

1. Pumped-storage(hydro) has been excluded. Large-hydro(10MW) has been included.

2. The issuance of RPS certificates for Bio and Waste co-firing power generation calculates the power generation by reflecting the blending ratio.

3. Since 2014, some of the wood chips and wood pellets have been classified as Bio-SRF.

4. Surveying waste generation since 2011.

5. The revision of 「Act on the promotion of the development, use and diffusion of new and renewable energy」 excludes the non-renewable waste from waste energy.

6. Since 2015, Municipal solid wastes has been classified as living wastes.

7. Since 2014, RDF/RPF/TDF have been surveyed for substitution with SRF.

Source: Korea Energy Agency

## 4. 신재생에너지 보급용량(발전-신규)

단위: kW

	2010	2011	2012	2013	2014	2015	2016	2017
<b>신·재생에너지 총보급용량</b>	<b>663,719</b>	<b>539,197</b>	<b>702,352</b>	<b>1,833,207</b>	<b>1,997,516</b>	<b>1,960,879</b>	<b>1,642,293</b>	<b>2,312,963</b>
사업용	617,190	485,865	612,116	1,713,242	1,833,249	1,761,134	1,375,144	1,931,310
자가용	46,529	53,332	90,236	119,965	164,267	199,745	267,149	381,653
태양광	127,781	85,439	316,081	567,784	1,001,390	1,225,378	1,059,562	1,583,693
사업용	92,350	42,983	232,978	467,422	857,353	1,040,107	798,822	1,248,429
자가용	35,431	42,456	83,103	100,362	144,037	185,271	260,740	335,264
풍력	33,439	51,944	72,820	91,919	61,363	207,797	186,825	113,568
사업용	33,400	51,813	67,300	91,900	60,880	207,599	186,750	110,456
자가용	39	131	5,520	19	483	198	75	3,112
수력 <sup>1</sup>	5,520	96,619	27,700	7,508	14,356	2,718	19,160	6,445
사업용	5,210	96,309	27,645	6,709	14,256	2,718	19,060	6,445
자가용	310	310	55	799	100	-	100	-
해양	-	254,000	110	-	-	-	-	-
사업용	-	254,000	110	-	-	-	-	-
바이오 <sup>2</sup>	729	23,790	268,163	526,388	576,261	89,975	286,538	486,742
사업용	530	20,810	267,023	508,983	573,610	89,975	286,538	485,992
자가용	199	2,980	1,140	17,405	2,651	-	-	750
바이오가스	279	2,150	4,530	6,252	13,210	2,675	9,003	8,115
사업용	80	170	4,530	4,802	10,559	2,675	9,003	7,365
자가용	199	1,980	-	1,450	2,651	-	-	750
매립지가스	450	-	1,024	4,176	2,860	-	1,075	-
사업용	450	-	1,024	3,176	2,860	-	1,075	-
자가용	-	-	-	1,000	-	-	-	-
목재칩 <sup>3</sup>	-	-	-	14,955	1,440	2,950	38,900	3,512
사업용	-	-	-	14,955	1,440	2,950	38,900	3,512
자가용	-	-	-	-	-	-	-	-
목재펠릿 <sup>3</sup>	-	20,640	181,211	414,725	153,562	561	200,000	333,451
사업용	-	20,640	180,071	414,724	153,562	561	200,000	333,451
자가용	-	-	1,140	0	-	-	-	-
폐목재	-	-	-	14,955	-	-	-	-
사업용	-	-	-	-	-	-	-	-
자가용	-	-	-	14,955	-	-	-	-
흑액	-	-	-	-	-	-	-	-
자가용	-	-	-	-	-	-	-	-
하수슬러지 고품연료	-	-	81,398	38,908	-	-	-	49,320
사업용	-	-	81,398	38,908	-	-	-	49,320
Bio-SRF <sup>3</sup>	-	1,000	-	32,417	48,969	79,439	37,560	92,343
사업용	-	-	-	32,417	48,969	79,439	37,560	92,343
자가용	-	1,000	-	-	-	-	-	-
바이오중유	-	-	-	-	356,220	4,350	-	-
사업용	-	-	-	-	356,220	4,350	-	-
폐기물 <sup>2</sup>	482,020	7,198	14,475	571,782	307,860	47,950	43,419	89,756
사업용	471,700	300	14,260	570,768	291,110	34,035	37,854	47,608
자가용	10,320	6,898	215	1,014	16,750	13,915	5,565	42,148
폐가스 <sup>4</sup>	462,000	-	15	531,600	235,100	27,250	-	30,000
사업용	462,000	-	-	531,600	235,100	16,500	-	-
자가용	-	-	15	-	-	10,750	-	30,000
사업장폐기물	-	300	2,150	5,998	3,500	3,165	8,265	15,997
사업용	-	300	2,150	5,998	2,600	-	5,700	10,869
자가용	-	-	-	-	900	3,165	2,565	5,128
생활폐기물 <sup>5</sup>	20,020	6,898	4,950	9,384	10,160	2,035	3,160	4,020
사업용	9,700	-	4,750	8,370	8,310	2,035	160	-
자가용	10,320	6,898	200	1,014	1,850	-	3,000	4,020
시멘트소성로보조연료	-	-	-	-	14,000	-	-	-
자가용	-	-	-	-	14,000	-	-	-
SRF <sup>6</sup>	-	-	7,360	24,800	2,990	15,500	31,994	36,119
사업용	-	-	7,360	24,800	2,990	15,500	31,994	33,119
자가용	-	-	-	-	-	-	-	3,000
정제연료유 <sup>4</sup>	-	-	-	-	42,110	-	-	3,620
사업용	-	-	-	-	42,110	-	-	3,620
연료전지	14,230	20,207	3,003	67,827	36,286	6,361	46,790	32,760
사업용	14,000	19,650	2,800	67,460	36,040	6,000	46,120	32,380
자가용	230	557	203	367	246	361	670	380
IGCC	-	-	-	-	-	380,700	-	-
사업용	-	-	-	-	-	380,700	-	-

1. 수력은 양수발전 제외하며, '03년부터 수력에 대수력(10MW) 포함

2. RPS 공급인증서 발급대상 바이오·폐기물 혼소발전은 혼소비율을 반영하여 보급용량 산정

3. 2014년부터 우드칩, 목재펠릿 중 일부는 Bio-SRF로 대체 분류

4. 신에너지 및 재생에너지 개발·이용·보급 촉진법 개정('19.10.01 시행)에 따라 폐기물에너지 중 폐가스, 정제연료유 보급용량 집계 제외

5. 2015년부터 대형도시쓰레기는 생활폐기물로 포함

6. 2014년부터 RDF/RPF/TDF는 SRF로 대체 조사

주 1. 각 연도별 신설 및 증설 용량임.

2. 보급년도는 자가용 준공, 사업용 상업운전개시 기준임

3. 2024년 에너지원 명칭변경(우드칩→목재칩/성형탄→성형숯/임산연료→숯/산업폐기물→사업장폐기물/시멘트킬른보조연료→시멘트소성로보조연료)

자료: 한국에너지공단

# 4. Facility of New & Renewable Energy(Generation-New)

Unit: kW

2018	2019	2020	2021	2022	2023	2024	Total	
3,774,674	4,623,115	5,503,265	4,453,978	3,808,912	4,173,359	4,217,653		
3,346,217	4,223,584	5,080,008	3,907,796	3,341,326	3,644,582	3,469,511		Business
428,457	399,531	423,257	546,183	467,586	528,778	748,143		Private
2,604,968	3,927,256	4,664,287	3,915,086	3,278,244	3,682,247	3,955,673		Solar Photovoltaic
2,191,652	3,535,059	4,285,023	3,461,563	2,825,075	3,160,524	3,216,096		Business
413,317	392,197	379,264	453,524	453,169	521,724	739,577		Private
161,309	191,224	160,189	63,729	237,595	219,164	113,101		Wind Power
161,258	191,201	160,050	63,600	237,490	219,084	112,910		Business
51	23	139	129	105	80	192		Private
4,333	11,723	3,007	18,221	216	5,130	345		Hydro Power <sup>1</sup>
4,333	11,723	2,927	18,166	216	5,130	345		Business
-	-	80	55	-	-	-		Private
-	500	-	80	-	-	-		Ocean
-	500	-	80	-	-	-		Business
864,857	290,046	454,350	187,397	160,681	87,766	67,630		Bio2
862,757	289,277	414,350	187,397	157,700	84,844	66,310		Business
2,100	769	40,000	-	2,981	2,922	1,320		Private
6,049	5,569	3,925	1,499	5,281	6,316	2,630		Bio Gas
3,949	4,800	3,925	1,499	2,300	3,394	1,310		Business
2,100	769	-	-	2,981	2,922	1,320		Private
1,098	700	925	998	-	-	-		LFG
1,098	700	925	998	-	-	-		Business
-	-	-	-	-	-	-		Private
-	6,549	44,600	8,037	-	-	11,250		Wood Chip <sup>3</sup>
-	6,549	4,600	8,037	-	-	11,250		Business
-	-	40,000	-	-	-	-		Private
165,290	43,325	259,551	151,963	115,400	72,350	13,750		Wood Pellet <sup>4</sup>
165,290	43,325	259,551	151,963	115,400	72,350	13,750		Business
-	-	-	-	-	-	-		Private
-	-	-	-	-	-	-		Waste Wood
-	-	-	-	-	-	-		Business
-	-	-	-	-	-	-		Private
-	-	-	-	-	-	-		Black Liquor
-	-	-	-	-	-	-		Private
44,755	20,673	-	-	-	-	-		Sewage Solid Fuel
44,755	20,673	-	-	-	-	-		Business
27,665	113,229	145,349	24,900	-	9,100	-		Bio-SRF <sup>5</sup>
27,665	113,229	145,349	24,900	-	9,100	-		Business
-	-	-	-	-	-	-		Private
620,000	100,000	-	-	40,000	-	40,000		Bio bunker
620,000	100,000	-	-	40,000	-	40,000		Business
37,792	80,514	64,800	90,415	12,653	8,180	2,520		Waste <sup>2</sup>
29,006	74,634	63,000	-	2,900	5,580	-		Business
8,786	5,880	1,800	90,415	9,753	2,600	2,520		Private
-	5,200	-	-	-	-	-		Waste Gas <sup>4</sup>
-	-	-	-	-	-	-		Business
-	5,200	-	-	-	-	-		Private
6,906	42,233	11,400	89,920	4,000	2,600	1,590		Industrial Wastes
6,020	42,233	11,400	-	-	-	-		Business
886	-	-	89,920	4,000	2,600	1,590		Private
4,060	14,780	53,400	-	5,753	5,580	930		Living Wastes <sup>5</sup>
160	14,100	51,600	-	-	5,580	-		Business
3,900	680	1,800	-	5,753	-	930		Private
-	-	-	-	-	-	-		Cement Kiln Fuel
-	-	-	-	-	-	-		Private
19,339	16,312	-	495	2,900	-	-		SRF6
15,339	16,312	-	-	2,900	-	-		Business
4,000	-	-	495	-	-	-		Private
7,487	1,989	-	-	-	-	-		Refinery Fuel Oil <sup>4</sup>
7,487	1,989	-	-	-	-	-		Business
101,414	121,852	156,632	179,050	119,523	170,872	78,384		Fuel Cells
97,211	121,190	154,658	176,990	117,945	169,420	73,850		Business
4,203	662	1,974	2,060	1,578	1,452	4,534		Private
-	-	-	-	-	-	-		IGCC
-	-	-	-	-	-	-		Business

1. Pumped-storage(hydro) has been excluded. Large-hydro(10MW) has been included.

2. The issuance of RPS certificates for Bio and Waste co-firing power generation calculates the capacity by reflecting the blending ratio.

3. Since 2014, some of the wood chips and wood pellets have been classified as Bio-SRF.

4. The revision of 「Act on the promotion of the development, use and diffusion of new and renewable energy」 excludes the calculation of the waste gas and refinery fuel oil capacity from waste energy starting from 2020.

5. Since 2015, Municipal solid wastes has been classified as living wastes.

6. Since 2014, RDF/RPF/TDF have been surveyed for substitution with SRF.

Note 1. The new capacity represents the newly established and expanded capacity for each year.

Note 2. The supply year is determined by the completion for private and the commencement of commercial operation for business.

Source: Korea Energy Agency

## 5. 신재생에너지 보급용량(발전-누적)

단위: kW

	2010	2011	2012	2013	2014	2015	2016	2017
<b>신·재생에너지 총보급용량</b>	<b>6,927,626</b>	<b>7,466,823</b>	<b>8,169,076</b>	<b>10,001,583</b>	<b>11,999,081</b>	<b>13,959,586</b>	<b>14,226,292</b>	<b>16,304,748</b>
사업용	3,501,957	3,987,822	4,599,938	6,313,180	8,146,429	9,907,563	11,198,597	12,969,295
자가용	3,425,669	3,479,001	3,569,138	3,688,403	3,852,652	4,052,023	3,027,695	3,335,453
태양광	650,639	736,078	1,052,060	1,619,144	2,620,516	3,845,520	4,882,354	6,436,415
사업용	533,492	576,475	809,453	1,276,875	2,134,228	3,174,335	3,950,561	5,169,548
자가용	117,147	159,603	242,607	342,269	486,288	671,185	931,793	1,266,867
풍력	366,772	418,716	491,536	583,455	644,818	852,615	1,034,684	1,143,411
사업용	362,445	414,258	481,558	573,458	634,338	841,937	1,023,950	1,130,166
자가용	4,327	4,458	9,978	9,997	10,480	10,678	10,734	13,245
수력 <sup>1</sup>	1,622,681	1,719,300	1,747,000	1,754,508	1,768,864	1,771,582	1,789,896	1,794,121
사업용	1,621,190	1,717,499	1,745,144	1,751,853	1,766,109	1,768,827	1,788,126	1,792,371
자가용	1,491	1,801	1,856	2,655	2,755	2,755	1,770	1,750
해양	1,000	255,000	255,110	255,110	255,110	255,110	255,110	255,110
사업용	1,000	255,000	255,110	255,110	255,110	255,110	255,110	255,110
바이오 <sup>2,3</sup>	119,360	143,150	411,313	937,701	1,513,962	1,603,937	1,905,946	2,284,442
사업용	77,152	97,962	364,985	873,968	1,447,578	1,537,553	1,860,096	2,238,442
자가용	42,208	45,188	46,328	63,733	66,384	66,384	45,850	46,000
바이오가스	8,986	11,136	15,666	21,918	35,128	37,803	49,041	55,637
사업용	3,187	3,357	7,887	12,689	23,248	25,923	39,621	46,067
자가용	5,799	7,779	7,779	9,229	11,880	11,880	9,420	9,570
매립지가스	58,455	58,455	59,479	63,655	66,515	66,515	70,130	70,130
사업용	58,455	58,455	59,479	62,655	65,515	65,515	70,130	70,130
자가용	-	-	-	1,000	1,000	1,000	-	-
목재칩 <sup>4</sup>	11,104	11,104	11,104	26,059	27,499	30,449	52,490	15,662
사업용	11,060	11,060	11,060	26,015	27,455	30,405	52,490	15,662
자가용	44	44	44	44	44	44	-	-
목재펠릿 <sup>4</sup>	-	20,640	201,851	616,576	770,138	770,699	986,048	1,270,523
사업용	-	20,640	200,711	615,435	768,997	769,558	986,048	1,270,523
자가용	-	-	1,140	1,140	1,140	1,140	-	-
폐목재	2,950	2,950	2,950	17,905	17,905	17,905	-	-
사업용	2,950	2,950	2,950	2,950	2,950	2,950	-	-
자가용	-	-	-	14,955	14,955	14,955	-	-
흑액	36,365	36,365	36,365	36,365	36,365	36,365	36,430	36,430
자가용	36,365	36,365	36,365	36,365	36,365	36,365	36,430	36,430
하수슬러지 고품연료	-	-	81,398	120,306	120,306	120,306	123,238	166,030
사업용	-	-	81,398	120,306	120,306	120,306	123,238	166,030
Bio-SRF <sup>4</sup>	1,500	2,500	2,500	34,917	83,886	163,325	229,219	310,680
사업용	1,500	1,500	1,500	33,917	82,886	162,325	229,219	310,680
자가용	-	1,000	1,000	1,000	1,000	1,000	-	-
바이오중유	-	-	-	-	356,220	360,570	359,350	359,350
사업용	-	-	-	-	356,220	360,570	359,350	359,350
폐기물 <sup>2,3</sup>	4,129,541	4,136,739	4,151,214	4,722,996	5,030,856	5,078,806	3,793,908	3,794,445
사업용	870,228	870,528	884,788	1,455,556	1,746,666	1,780,701	1,759,904	1,790,428
자가용	3,259,313	3,266,211	3,266,426	3,267,440	3,284,190	3,298,105	2,034,004	2,004,017
폐가스 <sup>5</sup>	4,026,340	4,026,340	4,026,355	4,557,955	4,793,055	4,820,305	3,476,480	3,475,180
사업용	816,780	816,780	816,780	1,348,380	1,583,480	1,599,980	1,548,100	1,548,100
자가용	3,209,560	3,209,560	3,209,575	3,209,575	3,209,575	3,220,325	1,928,380	1,927,080
사업장폐기물	1,705	2,005	4,155	10,153	13,653	16,818	59,238	65,630
사업용	1,705	2,005	4,155	10,153	12,753	12,753	56,673	60,502
자가용	-	-	-	-	900	4,065	2,565	5,128
생활폐기물 <sup>6</sup>	99,046	105,944	110,894	120,278	130,438	132,473	115,292	107,762
사업용	49,293	49,293	54,043	62,413	70,723	72,758	39,133	38,953
자가용	49,753	56,651	56,851	57,865	59,715	59,715	76,159	68,809
시멘트소성로보조연료	-	-	-	-	14,000	14,000	26,400	-
자가용	-	-	-	-	14,000	14,000	26,400	-
SRF <sup>7</sup>	2,450	2,450	9,810	34,610	37,600	53,100	85,771	118,390
사업용	2,450	2,450	9,810	34,610	37,600	53,100	85,271	115,390
자가용	-	-	-	-	-	-	500	3,000
정제연료 <sup>3</sup>	-	-	-	-	42,110	42,110	30,727	27,483
사업용	-	-	-	-	42,110	42,110	30,727	27,483
연료전지	37,633	57,840	60,843	128,670	164,956	171,317	218,064	250,474
사업용	36,450	56,100	58,900	126,360	162,400	168,400	214,520	246,900
자가용	1,183	1,740	1,943	2,310	2,556	2,917	3,544	3,574
IGCC	-	-	-	-	-	380,700	346,330	346,330
사업용	-	-	-	-	-	380,700	346,330	346,330

1. 수력은 양수발전 제외하며, '03년부터 수력에 대수력(10MW) 포함

2. RPS 공급인증서 발급대상 바이오·폐기물 혼소발전은 혼소비율을 반영하여 보급용량 산정

3. 바이오 및 폐기물은 각 연도별 기준 가동설비 용량임

4. 2014년부터 우드칩, 목재펠릿 중 일부는 Bio-SRF로 대체 분류

5. 신에너지 및 재생에너지 개발·이용·보급 촉진법 개정('19.10.01 시행)에 따라 폐기물에너지 중 폐가스, 정제연료 보급용량 집계 제외

6. 2015년부터 대청도시쓰레기는 생활폐기물로 포함

7. 2014년부터 RDF/RPF/TDF는 SRF로 대체 조사

주 1. 누적 보급용량은 각 연도별 신설, 증·감설, 해지를 반영한 용량임.

2. 보급연도는 자가용 준공, 사업용 상업운전개시 기준임.

3. 2024년 에너지원 명칭변경(우드칩→목재칩/성형탄→성형숯/임산연료→숯/산업폐기물→사업장폐기물/시멘트소성로보조연료→시멘트소성로보조연료)

자료: 한국에너지공단

## 5. Facility of New &amp; Renewable Energy(Generation-Accumulative)

Unit: kW

2018	2019	2020	2021	2022	2023	2024	
<b>19,870,125</b>	<b>24,152,458</b>	<b>25,974,393</b>	<b>30,211,816</b>	<b>33,234,434</b>	<b>37,370,626</b>	<b>41,451,885</b>	<b>Total</b>
16,107,589	19,441,971	23,333,870	27,079,125	29,748,917	33,258,321	36,659,358	Business
3,762,536	4,710,487	2,640,523	3,132,691	3,485,517	4,112,305	4,792,527	Private
8,938,659	12,745,227	17,356,934	21,199,351	24,369,532	28,033,336	32,002,587	Solar Photovoltaic
7,258,762	10,673,133	14,910,942	18,338,405	21,051,253	24,186,093	27,382,319	Business
1,679,897	2,072,094	2,445,992	2,860,946	3,318,279	3,847,242	4,620,268	Private
1,302,644	1,493,868	1,645,407	1,709,116	1,945,961	2,164,720	2,271,168	Wind Power
1,289,354	1,480,555	1,632,055	1,695,655	1,932,395	2,151,064	2,262,324	Business
13,290	13,313	13,352	13,461	13,566	13,656	8,844	Private
1,797,764	1,809,488	1,807,291	1,821,374	1,813,392	1,816,585	1,815,188	Hydro Power <sup>1</sup>
1,796,325	1,808,048	1,805,777	1,819,805	1,811,823	1,815,416	1,813,655	Business
1,439	1,439	1,514	1,569	1,569	1,169	1,533	Private
255,000	255,500	255,500	255,580	255,580	255,580	254,580	Ocean
255,000	255,500	255,500	255,580	255,580	255,580	254,580	Business
3,065,271	3,141,235	3,525,835	3,578,983	3,138,456	3,219,698	3,259,388	Bio <sup>2,3</sup>
3,017,171	3,092,366	3,440,259	3,508,257	3,065,765	3,168,985	3,205,795	Business
48,100	48,869	85,576	70,726	72,691	50,713	53,593	Private
60,396	60,945	61,532	61,590	65,816	69,712	63,441	Bio Gas
48,726	48,506	52,386	52,194	54,455	55,429	46,278	Business
11,670	12,439	9,146	9,396	11,361	14,283	17,163	Private
69,378	67,820	67,427	66,309	66,309	66,305	61,965	LFG
69,378	67,820	67,427	66,309	66,309	66,305	61,965	Business
-	-	-	-	-	-	-	Private
15,450	21,999	83,669	126,879	77,314	41,414	158,381	Wood Chip <sup>4</sup>
15,450	21,999	43,669	101,979	77,314	41,414	158,381	Business
-	-	40,000	24,900	-	-	-	Private
1,383,881	1,343,074	1,512,934	1,643,778	2,075,903	2,025,253	1,871,940	Wood Pellet <sup>4</sup>
1,383,881	1,343,074	1,512,934	1,643,778	2,075,903	2,025,253	1,871,940	Business
-	-	-	-	-	-	-	Private
-	-	-	-	-	-	-	Waste Wood
-	-	-	-	-	-	-	Business
-	-	-	-	-	-	-	Private
36,430	36,430	36,430	36,430	36,430	36,430	36,430	Black Liquor
36,430	36,430	36,430	36,430	36,430	36,430	36,430	Private
182,041	140,248	249,604	338,996	52,950	132,950	252,149	Sewage Solid Fuel
182,041	140,248	249,604	338,996	52,950	132,950	252,149	Business
338,345	450,369	563,890	424,651	369,384	453,284	385,082	Bio-SRF <sup>4</sup>
338,345	450,369	563,890	424,651	344,484	453,284	385,082	Business
-	-	-	-	24,900	-	-	Private
979,350	1,020,350	950,350	880,350	394,350	394,350	430,000	Bio bunker
979,350	1,020,350	950,350	880,350	394,350	394,350	430,000	Business
3,813,059	3,888,166	422,064	507,374	473,322	471,702	377,007	Waste <sup>2,3</sup>
1,800,956	1,321,683	338,193	333,288	407,221	286,883	287,953	Business
2,012,103	2,566,483	83,871	174,086	66,101	184,819	89,054	Private
3,475,180	3,505,480	-	-	-	-	-	Waste Gas <sup>b</sup>
1,548,100	1,022,900	-	-	-	-	-	Business
1,927,080	2,482,580	-	-	-	-	-	Private
62,200	100,197	109,608	199,435	168,042	163,442	80,550	Industrial Wastes
56,186	94,183	105,794	105,701	152,128	64,908	64,446	Business
6,014	6,014	3,814	93,734	15,914	98,534	16,104	Private
108,142	120,952	173,520	173,020	167,813	173,393	163,001	Living Wastes <sup>6</sup>
36,133	50,063	100,463	100,163	121,626	91,603	91,941	Business
72,009	70,889	73,057	72,857	46,187	81,790	71,060	Private
-	-	-	-	-	-	-	Cement Kiln Fuel
-	-	-	-	-	-	-	Private
135,257	147,021	138,936	134,919	137,467	134,867	133,456	SRF <sup>7</sup>
128,257	140,021	131,936	127,424	133,467	130,372	131,566	Business
7,000	7,000	7,000	7,495	4,000	4,495	1,890	Private
32,280	14,516	-	-	-	-	-	Refinery Fuel Oil <sup>b</sup>
32,280	14,516	-	-	-	-	-	Business
351,398	472,644	615,031	793,708	891,860	1,062,675	1,125,637	Fuel Cells
343,691	464,356	604,814	781,804	878,549	1,047,969	1,106,402	Business
7,707	8,288	10,217	11,904	13,311	14,706	19,235	Private
346,330	346,330	346,330	346,330	346,330	346,330	346,330	IGCC
346,330	346,330	346,330	346,330	346,330	346,330	346,330	Business

1. Pumped-storage(hydro) has been excluded. Large-hydro(10MW) has been included.

2. The issuance of RPS certificates for Bio and Waste co-firing power generation calculates the capacity by reflecting the blending ratio.

3. Bio and waste represent the operational capacity of facilities for each year.

4. Since 2014, some of the wood chips and wood pellets have been classified as Bio-SRF.

5. The revision of 「Act on the promotion of the development, use and diffusion of new and renewable energy」 excludes the calculation of the waste gas and refinery fuel oil capacity from waste energy starting from 2020.

6. Since 2015, Municipal solid wastes has been classified as living wastes.

7. Since 2014, RDF/RPF/TDF have been surveyed for substitution with SRF.

Note 1. The accumulated capacity reflects the capacity for each year, considering newly established, increased and decommissioned capacities.

Note 2. The supply year is determined by the completion for private and the commencement of commercial operation for business.

Source: Korea Energy Agency

## 6. 신재생에너지 보급용량(발전외-신규)

	2010	2011	2012	2013	2014	2015	2016	2017
태양열(㎡) <sup>1</sup>	69,805	54,732	63,775	48,473	32,043	29,033	28,972	19,067
지열(kW) <sup>1</sup>	89,226	73,515	123,838	121,465	124,915	174,347	127,349	121,290
수열(kW) <sup>1</sup>	-	-	-	-	-	48,509	39,005	58,778
바이오								
바이오가스(증기톤/시간) <sup>1</sup>	33	23	23	33	41	16	18	49
매립지가스(증기톤/시간) <sup>1</sup>	-	-	15	-	-	-	-	-
바이오디젤(kℓ/년) <sup>2</sup>	1,104,400	1,204,400	1,204,400	1,177,468	887,087	854,687	854,687	1,008,630
목재칩(증기톤/시간) <sup>1,6</sup>	46	12	-	6	5	9	8	31
성형숯(톤/년) <sup>3</sup>	54,888	58,551	56,802	55,992	59,349	37,685	36,744	37,294
숯(톤/년) <sup>3</sup>	69,344	69,372	187,291	168,214	12,903	156,939	438,371	2,301,934
목재펠릿(증기톤/시간) <sup>1,6</sup>	0	72	127	128	469	75	962	187
폐목재(증기톤/시간) <sup>1</sup>	20	6	59	77	18	4	-	39
흑액(증기톤/시간) <sup>1</sup>	-	-	-	-	-	-	-	-
하수슬러지고형연료(증기톤/시간) <sup>1</sup>	2	-	1	4	3	40	-	5
Bio-SRF(증기톤/시간) <sup>1,6</sup>	-	70	18	6	44	-	-	338
폐기물								
폐가스(증기톤/시간) <sup>1,8</sup>	22	133	114	27	109	9	10	207
사업장폐기물(증기톤/시간) <sup>1</sup>	139	253	255	171	145	102	23	569
생활폐기물(증기톤/시간) <sup>1,7</sup>	24	68	97	61	66	24	8	42
시멘트소성로보조연료(톤/년) <sup>4</sup>	807,950	1,127,624	1,001,273	1,276,799	1,386,522	1,490,640	1,431,061	1,490,397
SRF(증기톤/시간) <sup>1,5</sup>	23	-	238	119	33	-	808	437
정제연료유(kℓ/년) <sup>3,8</sup>	273,087	273,579	246,097	204,924	201,656	173,877	170,625	178,286

1. 각연도별 신설 용량.

2. 바이오디젤 용량은 해당연도 기준 생산능력임.

3. 성형숯, 숯, 정제연료유는 해당연도 기준 생산량(판매량)임.

4. 시멘트소성로보조연료 용량은 해당연도 기준 소비량임.

5. 2014년부터 RDF/RPF/TDF는 SRF로 대체 조사

6. 2014년부터 우드칩, 목재펠릿 중 일부는 Bio-SRF로 대체 분류

7. 2015년부터 대형도시쓰레기는 생활폐기물로 포함.

8. 신에너지 및 재생에너지 개발·이용·보급 촉진법 개정('19.10.01 시행)으로 '20년부터 폐기물에너지 중 비재생폐기물인 폐가스, 정제연료유 보급용량 집계 제외

주: 2024년 에너지원 명칭변경(우드칩→목재칩/성형탄→성형숯/임산연료→숯/산업폐기물→사업장폐기물/시멘트킬른보조연료→시멘트소성로보조연료)

자료: 한국에너지공단

## 6. Facility of New &amp; Renewable Energy(Except generation-New)

2018	2019	2020	2021	2022	2023	2024	
20,470	27,054	23,297	28,379	23,336	28,575	44,752	Solar thermal(㎡) <sup>1</sup>
123,562	95,342	89,300	79,130	113,257	87,605	204,395	Geothermal(kW) <sup>1</sup>
59,095	36,770	78,111	46,402	71,160	42,730	56,262	Hydro thermal(kW) <sup>1</sup>
							Bio
17	34	13	12	7	49	0	Bio gas(steam ton/h) <sup>1</sup>
-	-	-	-	-	-	-	LFG(steam ton/h) <sup>1</sup>
2,283,370	1,441,330	1,237,630	1,259,230	1,325,880	1,277,580	-	Bio-diesel(kℓ/y) <sup>2</sup>
50	48	-	35	-	35	-	Wood chip(steam ton/h) <sup>1,6</sup>
41,002	39,298	25,852	25,234	6,297	9,205	9,870	Wood briquette(ton/y) <sup>3</sup>
2,396,789	457,174	499,748	336,035	554,966	741,298	862,898	Fire wood(ton/y) <sup>3</sup>
27	34	-	14	10	5	64	Wood pellet(steam ton/h) <sup>1,6</sup>
-	-	-	-	-	-	-	Waste wood(steam ton/h) <sup>1</sup>
-	-	-	-	-	-	-	Black liquor(steam ton/h) <sup>1</sup>
-	-	-	-	-	-	-	Sewage solid fuel(steam ton/h) <sup>1</sup>
20	-	-	15	-	61	-	Bio-SRF(steam ton/h) <sup>1,6</sup>
							Waste
122	50	-	-	-	-	-	Waste gas(steam ton/h) <sup>1,8</sup>
31	107	15	75	106	189	63	Industrial wastes(steam ton/h) <sup>1</sup>
2	62	-	149	40	63	20	Living wastes(steam ton/h) <sup>1,7</sup>
1,597,882	1,676,440	1,711,594	2,025,596	2,519,747	3,227,127	3,449,276	Cement kiln fuel(ton/y) <sup>4</sup>
131	-	-	102	-	34	-	SRF(steam ton/h) <sup>1,5</sup>
182,138	184,293	-	-	-	-	-	Refinery fuel oil(kℓ/y) <sup>3,8</sup>

1. The new capacity of each year.

2. Production capacity of each year.

3. Production(sales) of each year.

4. Consumption of each year.

5. Since 2014, RDF/RPF/TDF have been surveyed for substitution with SRF.

6. Since 2014, some of the wood chips and wood pellets have been classified as Bio-SRF.

7. Since 2015, Municipal solid wastes has been classified as living wastes.

8. The revision of 「Act on the promotion of the development, use and diffusion of new and renewable energy」 excludes the calculation of the waste gas and refinery fuel oil capacity from waste energy starting from 2020.

Source: Korea Energy Agency

## 7. 신재생에너지 보급용량(발전외-누적)

	2010	2011	2012	2013	2014	2015	2016	2017
태양열(㎡) <sup>1</sup>	1,376,027	1,163,980	723,680	673,220	625,649	614,343	626,048	623,484
지열(kW) <sup>1</sup>	233,828	307,343	431,181	552,646	677,561	851,907	979,221	1,100,493
수열(kW) <sup>1</sup>	-	-	-	-	-	48,509	87,513	146,292
바이오 <sup>2</sup>								
바이오가스(증기톤/시간)	784	807	830	863	904	920	862	691
매립지가스(증기톤/시간)	28	28	43	43	43	43	44	44
목재칩(증기톤/시간) <sup>4</sup>	393	405	405	411	416	425	425	367
목재펠릿(증기톤/시간) <sup>4</sup>	76	148	275	403	872	947	1,568	1,715
폐목재(증기톤/시간)	183	189	248	325	343	347	362	391
흑액(증기톤/시간)	310	310	310	310	310	310	310	310
하수슬러지고형연료(증기톤/시간)	7	7	8	12	15	55	14	18
Bio-SRF(증기톤/시간) <sup>4</sup>	4	74	92	98	142	142	202	501
폐기물 <sup>2</sup>								
폐가스(증기톤/시간) <sup>5</sup>	5,057	5,190	5,304	5,331	5,440	5,449	4,465	4,503
사업장폐기물(증기톤/시간)	1,954	2,207	2,462	2,633	2,778	2,880	2,930	3,444
생활폐기물(증기톤/시간) <sup>6</sup>	1,257	1,325	1,422	1,483	1,549	1,573	2,704	2,687
SRF(증기톤/시간) <sup>3</sup>	66	66	304	423	456	456	1,488	1,835

1. 태양열, 지열, 수열의 합계용량은 각 연도별 설치용량의 단순합계임.

2. 바이오 및 폐기물은 각 연도별 기준 가동설비 보일러 용량임.

3. 2014년부터 RDF/RPF/TDF는 SRF로 대체 조사

4. 2014년부터 우드칩, 목재펠릿 중 일부는 Bio-SRF로 대체 분류

5. 신에너지 및 재생에너지 개발·이용·보급 촉진법 개정('19.10.01 시행)으로 '20년부터 폐기물에너지 중 비재생폐기물인 폐가스 보급용량 집계 제외

6. 2015년부터 대형도시쓰레기는 생활폐기물로 포함

주: 2024년 에너지원 명칭변경(우드칩→목재칩/성형단→성형숯/임산연료→숯/산업폐기물→사업장폐기물/시멘트킬른보조연료→시멘트소성로보조연료)

자료: 한국에너지공단



## 7. Facility of New & Renewable Energy(Except generation-Accumulative)

2018	2019	2020	2021	2022	2023	2024	
624,676	642,227	638,455	652,234	666,457	680,279	712,056	Solar Thermal(㎡) <sup>1</sup>
1,223,985	1,319,309	1,408,558	1,486,778	1,599,891	1,687,322	1,890,964	Geothermal(kW) <sup>1</sup>
205,386	242,156	320,267	366,669	437,829	480,559	552,682	Hydro Thermal(kW) <sup>1</sup>
							Bio <sup>2</sup>
640	625	625	644	705	723	750	Bio Gas(steam ton/h)
44	44	152	147	147	147	147	LFG(steam ton/h)
409	392	438	436	515	280	245	Wood Chip(steam ton/h) <sup>4</sup>
1,742	1,706	2,134	2,068	2,122	2,091	2,202	Wood Pellet(steam ton/h) <sup>4</sup>
399	399	399	360	339	242	-	Waste Wood(steam ton/h)
311	311	311	311	311	311	311	Black Liquor(steam ton/h)
18	18	18	18	18	17	17	Sewage Solid Fuel(steam ton/h)
521	521	869	825	877	1,143	1,143	Bio-SRF(steam ton/h) <sup>4</sup>
							Waste
4,748	4,783	-	-	-	-	-	Waste Gas(steam ton/h) <sup>5</sup>
3,418	3,513	3,796	3,728	3,993	4,020	4,431	Industrial Wastes(steam ton/h)
2,689	2,747	2,961	3,100	3,314	3,323	3,343	Living Wastes(steam ton/h) <sup>6</sup>
1,961	1,871	2,188	2,199	2,496	2,427	2,423	SRF(steam ton/h) <sup>3</sup>

1. Total is the simple sum of facility each year

2. It is operated facilities on each year.

3. Since 2014, RDF/RPF/TDF have been surveyed for substitution with SRF.

4. Since 2014, some of the wood chips and wood pellets have been classified as Bio-SRF.

5. The revision of 「Act on the promotion of the development, use and diffusion of new and renewable energy」 excludes the calculation of the waste gas capacity from waste energy starting from 2020.

6. Since 2015, Municipal solid wastes has been classified as living wastes.

Source: Korea Energy Agency

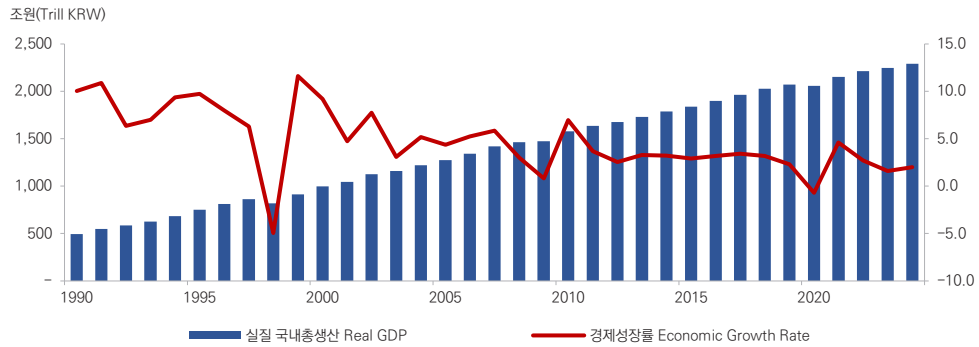






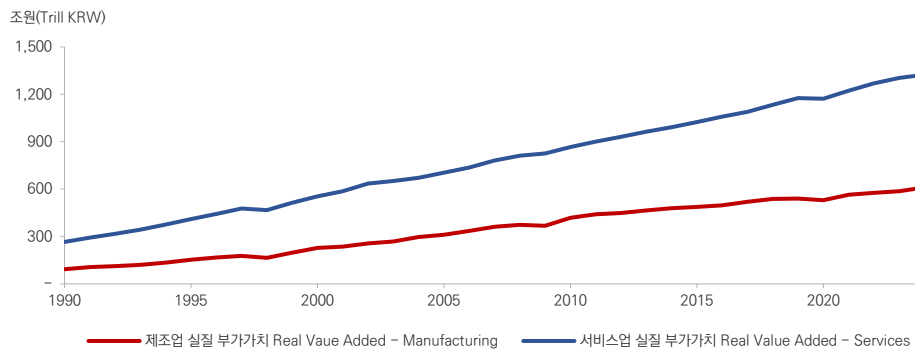
## ● 국내총생산, 경제성장률 GDP and Economic Growth Rate

〈1990~2024〉



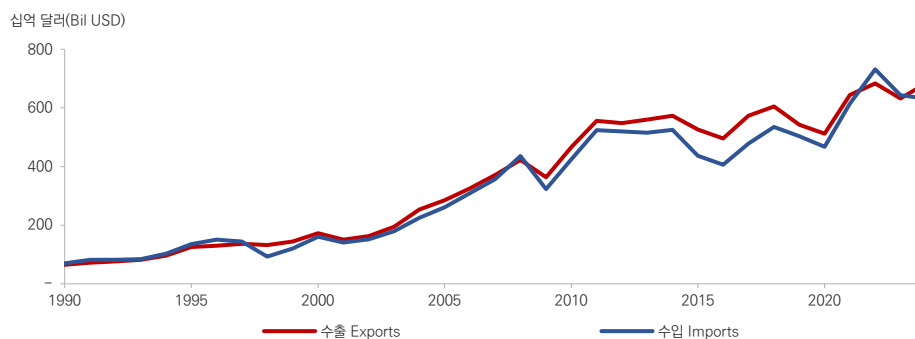
## ● 제조업 및 서비스업 실질 부가가치 Real Value Added of Manufacturing and Services

〈1990~2024〉



## ● 수출입 Imports and Export

〈1990~2024〉



## 1. 주요 통계 지표

	인구 Population		가구 Household	명목 국내총생산 Nominal GDP	실질 국내총생산 Real GDP		GDP 디플레이터 GDP Deflator
	1,000 Persons	증가율(%) Growth Rate(%)			2020년 연쇄가격 At Chained 2020 Prices	성장률 Growth Rate	
			1,000 Household	Bil. KRW			%
1990	42,869	0.99	-	206,713	495,738	10.0	41.7
1991	43,296	0.99	-	249,965	549,650	10.9	45.5
1992	43,748	1.04	-	286,437	584,561	6.4	49.0
1993	44,195	1.02	-	325,648	625,450	7.0	52.1
1994	44,642	1.01	-	384,997	684,066	9.4	56.3
1995	45,093	1.01	-	452,187	750,666	9.7	60.2
1996	45,525	0.96	-	507,768	810,647	8.0	62.6
1997	45,954	0.94	-	560,502	861,573	6.3	65.1
1998	46,287	0.72	-	556,787	819,021	-4.9	68.0
1999	46,617	0.71	-	613,069	914,169	11.6	67.1
2000	47,008	0.84	14,507	675,733	998,289	9.2	67.7
2001	47,370	0.77	14,775	732,723	1,045,468	4.7	70.1
2002	47,645	0.58	15,110	813,225	1,126,429	7.7	72.2
2003	47,892	0.52	15,434	868,111	1,161,063	3.1	74.8
2004	48,083	0.40	15,732	942,885	1,221,249	5.2	77.2
2005	48,185	0.21	16,039	995,176	1,274,473	4.4	78.1
2006	48,438	0.53	16,322	1,045,663	1,341,320	5.2	78.0
2007	48,684	0.51	16,602	1,134,541	1,419,679	5.8	79.9
2008	49,055	0.76	16,883	1,202,973	1,462,332	3.0	82.3
2009	49,308	0.52	17,168	1,255,305	1,474,321	0.8	85.1
2010	49,554	0.50	17,495	1,379,460	1,577,253	7.0	87.5
2011	49,937	0.77	17,879	1,448,576	1,635,423	3.7	88.6
2012	50,200	0.53	18,119	1,504,674	1,677,088	2.5	89.7
2013	50,429	0.46	18,388	1,570,938	1,732,287	3.3	90.7
2014	50,747	0.63	18,705	1,638,485	1,787,975	3.2	91.6
2015	51,015	0.53	19,013	1,740,776	1,840,189	2.9	94.6
2016	51,218	0.40	19,281	1,833,027	1,898,551	3.2	96.5
2017	51,362	0.28	19,571	1,934,234	1,963,732	3.4	98.5
2018	51,585	0.43	19,876	2,006,975	2,026,102	3.2	99.1
2019	51,765	0.35	20,220	2,040,594	2,072,982	2.3	98.4
2020	51,836	0.14	20,731	2,058,467	2,058,466	-0.7	100.0
2021	51,770	-0.13	21,273	2,221,913	2,153,423	4.6	103.2
2022	51,673	-0.19	21,664	2,323,782	2,212,159	2.7	105.0
2023	51,713	0.08	21,971	2,408,687	2,247,178	1.6	107.2
2024	51,751	0.07	22,180	2,556,857	2,292,202	2.0	111.5

자료: 국가데이터처, 한국은행

# 1. Indicators of Major Statistics

국민총소득 GNI				1인당 명목 GNI Per Capita GNI	대미달러환율 Exchange rates to USD		
당해년가격 At Current Prices	당해년가격 At Current Prices	2020년 연쇄가격 At Chained 2020 Prices	성장률 Growth Rate	종가환율 Closing rate			
Bil. USD	Bil. KRW		%	USD	연평균 Average	연말 End of	
292	206,512	560,880	9.6	6,804	708.0	716.4	1990
340	249,718	622,725	11.0	7,862	733.6	760.8	1991
366	286,069	661,776	6.3	8,374	780.8	788.4	1992
405	325,227	710,351	7.3	9,167	802.7	808.1	1993
478	384,058	777,416	9.4	10,705	803.6	788.7	1994
584	450,583	846,834	8.9	12,959	771.0	774.7	1995
629	506,047	904,244	6.8	13,812	804.8	844.2	1996
586	557,591	943,160	4.3	12,757	951.1	1,415.2	1997
393	549,834	872,464	-7.5	8,492	1,398.9	1,207.8	1998
510	606,546	967,269	10.9	10,939	1,189.5	1,145.4	1999
594	671,372	1,033,455	6.8	12,632	1,130.6	1,259.7	2000
564	727,938	1,073,365	3.9	11,905	1,290.8	1,326.1	2001
648	810,313	1,167,443	8.8	13,592	1,251.2	1,200.4	2002
726	865,189	1,198,482	2.7	15,157	1,191.9	1,197.8	2003
822	941,311	1,248,797	4.2	17,103	1,144.7	1,043.8	2004
965	988,413	1,282,430	2.7	20,026	1,024.3	1,013.0	2005
1,091	1,042,726	1,333,091	4.0	22,529	955.5	929.6	2006
1,218	1,131,779	1,407,233	5.6	25,019	929.2	938.2	2007
1,091	1,203,266	1,412,810	0.4	22,247	1,102.6	1,257.5	2008
982	1,253,438	1,449,570	2.6	19,916	1,276.4	1,167.6	2009
1,195	1,381,436	1,557,956	7.5	24,110	1,156.3	1,138.9	2010
1,315	1,457,173	1,584,315	1.7	26,334	1,108.1	1,153.3	2011
1,349	1,519,752	1,632,613	3.0	26,865	1,126.9	1,071.1	2012
1,443	1,580,504	1,696,556	3.9	28,621	1,095.0	1,055.3	2013
1,563	1,646,049	1,755,430	3.5	30,797	1,053.2	1,099.2	2014
1,543	1,745,962	1,870,222	6.5	30,247	1,131.5	1,172.0	2015
1,585	1,839,391	1,956,502	4.6	30,946	1,160.5	1,208.5	2016
1,717	1,941,717	2,019,724	3.2	33,431	1,130.8	1,071.4	2017
1,831	2,014,589	2,059,131	2.0	35,494	1,100.3	1,118.1	2018
1,765	2,057,204	2,072,357	0.6	34,094	1,165.7	1,157.8	2019
1,759	2,075,410	2,075,410	0.1	33,929	1,180.1	1,088.0	2020
1,962	2,245,327	2,154,357	3.8	37,898	1,144.4	1,185.5	2021
1,820	2,351,837	2,143,108	-0.5	35,229	1,292.0	1,267.3	2022
1,872	2,443,362	2,186,579	2.0	36,195	1,305.4	1,289.4	2023
1,902	2,593,762	2,272,601	3.9	36,745	1,364.0	1,470.0	2024

Source: Ministry of Data and Statistics, Bank of Korea

## 1. 주요 통계 지표(계속)

	수출 Export	수입 Import	경상수지 Current Account Balance	상품수지 Goods Balance	외환보유액 International Reserves	총저축 Gross Saving
	Mil. USD					Bil. KRW
1990	65,016	69,844	-2,804	-3,689	14,822	81,808
1991	71,870	81,525	-8,034	-7,153	13,733	98,801
1992	76,632	81,775	-2,901	-1,440	17,154	110,584
1993	82,236	83,800	1,688	2,683	20,262	125,658
1994	96,013	102,348	-4,794	-3,861	25,673	146,839
1995	125,058	135,119	-10,230	-7,004	32,712	171,274
1996	129,715	150,339	-24,461	-17,347	33,237	183,153
1997	136,164	144,616	-10,812	-6,745	20,405	202,235
1998	132,313	93,282	40,113	39,614	52,041	211,312
1999	143,685	119,752	21,785	25,446	74,055	218,573
2000	172,268	160,481	10,181	15,393	96,198	230,942
2001	150,439	141,098	2,165	9,407	102,821	237,112
2002	162,471	152,126	4,066	14,414	121,413	258,683
2003	193,817	178,827	11,308	22,138	155,352	287,843
2004	253,845	224,463	29,290	39,173	199,066	335,803
2005	284,419	261,238	12,209	32,493	210,391	337,699
2006	325,465	309,383	2,095	24,515	238,956	344,806
2007	371,489	356,846	10,473	32,436	262,224	380,866
2008	422,007	435,275	1,753	11,746	201,223	401,524
2009	363,534	323,085	33,088	48,056	269,995	417,639
2010	466,384	425,212	27,951	47,932	291,571	483,658
2011	555,214	524,413	16,638	28,014	306,402	499,139
2012	547,870	519,584	48,791	48,589	326,968	518,279
2013	559,632	515,586	77,259	80,259	346,460	544,154
2014	572,665	525,515	83,030	86,145	363,593	568,321
2015	526,757	436,499	105,119	120,275	367,962	625,189
2016	495,426	406,193	97,924	116,462	371,102	666,772
2017	573,694	478,478	75,231	113,593	389,267	706,477
2018	604,860	535,202	77,467	110,087	403,694	711,767
2019	542,233	503,343	59,676	79,812	408,816	701,071
2020	512,498	467,633	76,503	82,065	443,098	738,580
2021	644,400	615,093	83,879	79,659	463,118	815,799
2022	683,585	731,370	23,238	18,335	423,164	799,940
2023	632,226	642,572	32,530	44,631	420,148	807,003
2024	683,609	631,767	99,974	110,910	415,604	901,977

자료: 국가데이터처, 한국은행



# 1. Indicators of Major Statistics(Continued)

총투자 Gross Investment	총통화(연말) Money Supply (End of Years(M2))	광공업생산지수 Industrial Production Indexes		물가지수 Price Indexes		
		총지수 All Items	광업 및 제조업 Mining and manufacturing	생산자 Producer	소비자 Consumer	
Bil. KRW		2020=100				
81,721	-	19.8	19.9	54.2	38.5	1990
98,690	-	21.7	21.8	56.7	42.1	1991
110,451	-	23.0	23.0	58.0	44.7	1992
125,205	-	24.1	24.0	58.9	46.8	1993
146,750	-	26.7	26.6	60.5	49.8	1994
171,089	-	29.9	29.8	63.3	52.0	1995
182,934	-	32.5	32.3	65.3	54.6	1996
202,180	-	34.1	33.7	67.8	57.0	1997
210,488	-	31.9	31.5	76.1	61.3	1998
217,680	-	39.7	39.5	74.5	61.8	1999
229,955	-	46.4	46.3	76.0	63.2	2000
236,982	-	46.7	46.3	75.7	65.7	2001
258,437	-	50.4	50.1	75.5	67.5	2002
287,888	846,575	53.2	52.8	77.1	69.9	2003
335,012	896,251	58.7	58.5	81.8	72.4	2004
337,140	957,097	62.5	62.2	83.5	74.4	2005
344,266	1,053,583	67.7	67.6	84.3	76.1	2006
380,575	1,094,223	72.4	72.3	85.5	78.0	2007
401,223	1,272,478	74.8	74.7	92.8	81.7	2008
417,032	1,398,654	74.7	74.5	92.6	83.9	2009
483,658	1,500,876	86.9	87.0	96.1	86.4	2010
499,139	1,592,522	92.1	92.2	102.6	89.9	2011
518,279	1,682,495	93.4	93.4	103.3	91.8	2012
544,154	1,782,053	94.0	94.1	101.7	93.0	2013
568,321	1,930,791	94.2	94.3	101.1	94.2	2014
625,189	2,089,056	94.0	94.1	97.1	94.9	2015
666,772	2,255,362	96.0	96.2	95.3	95.8	2016
706,477	2,389,712	98.5	98.4	98.6	97.6	2017
711,767	2,514,149	99.9	99.8	100.4	99.1	2018
701,071	2,710,348	100.3	100.2	100.5	99.5	2019
738,579	3,029,731	100.0	100.0	100.0	100.0	2020
815,799	3,385,251	108.5	108.7	106.4	102.5	2021
799,940	3,639,591	109.6	109.7	115.3	107.7	2022
807,003	3,735,168	106.9	106.9	117.1	111.6	2023
902,457	3,896,523	111.2	111.5	119.1	114.2	2024

Source: Ministry of Data and Statistics, Bank of Korea

## 2. 경제활동별 국내총생산(2020년 기준 연쇄가격)

단위: 십억 원

	농림어업 Agriculture, Forestry and Fisheries	광업 Mining & quarrying	제조업 Manufacturing	음식료품 제조업 Food, beverages products	섬유 및 가죽제 품 제조업 Textile and leather products	목재, 종이, 인쇄 및 복제업 Wood and paper products, printing and reproduction of recorded media	코크스 및 석유정제품 제조 업 Coke and refined petroleum products	화학물질 및 화 학제품 제조업 Chemicals and chemical products
1990	24,083	3,851	93,025	12,020	19,502	7,528	3,770	17,073
1991	24,852	3,924	106,445	13,231	19,015	8,192	12,726	17,602
1992	27,086	3,465	113,154	13,498	18,321	8,657	14,620	20,066
1993	25,941	3,452	121,346	14,005	16,611	8,720	18,213	21,420
1994	25,969	3,802	135,791	14,875	16,743	9,904	12,860	25,831
1995	27,746	3,740	153,983	15,173	16,037	10,328	13,513	29,414
1996	28,824	3,725	167,589	16,029	16,085	10,347	16,901	31,282
1997	30,065	3,674	177,930	16,281	16,503	10,852	31,177	32,570
1998	27,787	2,987	164,906	15,163	14,422	9,260	28,822	32,467
1999	29,223	3,190	197,154	15,592	17,764	10,946	25,986	37,693
2000	29,266	3,179	228,534	16,799	18,771	11,161	24,386	40,508
2001	29,374	3,220	235,202	16,812	18,764	10,790	23,884	43,714
2002	28,458	3,206	256,940	17,718	19,852	11,865	22,062	48,469
2003	26,710	3,287	269,225	17,468	18,143	11,748	22,653	48,633
2004	28,782	3,197	296,519	17,862	17,295	11,444	25,725	53,632
2005	28,958	3,129	311,370	17,824	17,476	11,525	24,314	54,811
2006	29,652	3,095	335,393	18,053	18,265	11,947	24,169	57,651
2007	31,172	2,880	361,881	18,414	18,842	12,073	21,685	61,696
2008	33,227	2,877	373,881	18,874	19,545	12,461	21,651	62,835
2009	34,759	2,811	367,654	18,437	18,405	13,040	18,205	65,183
2010	33,496	2,530	419,224	18,623	20,616	13,645	18,034	73,477
2011	33,149	2,209	440,819	18,484	20,825	13,773	18,747	75,416
2012	32,985	2,128	448,531	20,074	22,173	13,742	16,605	75,297
2013	34,374	2,222	464,239	21,971	22,986	13,711	15,930	78,470
2014	36,128	2,229	479,769	22,713	23,351	14,205	16,137	79,656
2015	36,036	2,025	488,241	23,139	21,683	14,210	16,051	82,686
2016	33,666	2,167	498,369	23,334	19,597	15,160	16,191	84,723
2017	34,087	2,069	519,574	24,369	19,911	14,369	15,806	87,699
2018	33,823	1,909	537,181	25,174	18,966	14,550	14,135	89,284
2019	34,809	1,795	539,843	26,389	17,681	14,353	11,162	88,822
2020	32,482	1,737	529,031	27,177	17,193	14,214	2,772	89,202
2021	33,599	1,975	563,295	28,567	16,742	14,383	8,175	91,237
2022	33,866	1,785	577,228	31,959	16,834	14,359	9,018	92,238
2023	33,240	1,748	585,750	30,703	14,448	13,471	8,651	93,020
2024	33,453	1,621	610,926	31,815	14,715	13,569	9,040	98,091

자료: 한국은행

## 2. Gross Domestic Product by Economic Activity(At chained 2020 year prices)

Unit: Billion KRW

비금속광물제품 제조업 Non-metallic mineral products	1차금속 제조업 Basic metals	금속가공제품 제 조업 Fabricated metal products	컴퓨터, 전자 및 광학기기 제조업 Computer, electronic and optical products	전기장비 제조업 Electrical equipment	기계 및 장비 제 조업 Machinery and equipment	운송장비 제조업 Transport equipment	기타 제조업 및 산업용 장비 수 리업 Other manufacturing , repair and installation of machinery and equipment	
5,420	12,248	7,134	4,654	3,500	6,015	11,803	5,907	1990
5,975	13,097	8,680	4,991	3,695	7,335	13,726	6,200	1991
6,506	14,242	7,448	5,368	3,974	7,433	15,883	5,899	1992
6,576	14,561	9,892	6,138	4,524	8,170	18,022	5,958	1993
6,874	15,310	11,401	7,492	5,458	10,344	21,638	5,995	1994
6,437	17,600	13,330	9,839	6,391	13,899	24,029	5,943	1995
7,216	18,193	15,453	10,547	7,584	16,073	27,903	6,092	1996
7,095	18,445	16,323	10,895	8,287	16,419	29,625	6,104	1997
5,522	16,715	14,330	13,803	7,668	10,687	21,988	5,187	1998
6,764	18,595	15,983	17,666	10,356	14,063	29,001	6,016	1999
7,620	20,193	18,827	23,585	13,460	17,591	33,874	6,786	2000
8,071	21,282	19,020	25,203	13,555	17,196	34,355	6,300	2001
8,245	23,130	20,289	28,772	15,018	19,754	37,310	6,509	2002
8,712	22,950	22,816	32,587	16,073	21,693	38,910	6,651	2003
8,856	25,316	25,606	39,468	17,099	23,936	42,651	6,301	2004
8,814	25,314	28,555	43,605	18,297	25,605	46,062	6,635	2005
9,085	24,447	29,842	50,382	19,529	28,179	52,988	7,241	2006
9,473	25,466	32,403	57,823	20,819	30,922	58,813	8,008	2007
9,844	23,432	29,536	62,337	21,184	33,162	64,790	8,436	2008
9,949	23,388	26,843	66,200	22,200	30,725	55,786	8,332	2009
10,712	27,305	30,144	78,670	26,467	37,282	63,217	8,841	2010
10,720	28,321	31,270	85,696	26,709	39,650	69,132	9,414	2011
10,402	27,361	33,807	89,417	27,483	41,040	68,491	10,141	2012
11,007	28,059	33,268	95,242	28,631	42,068	69,328	10,765	2013
10,978	29,793	35,510	100,145	29,561	42,998	69,398	12,072	2014
11,584	29,915	38,373	103,763	28,383	43,174	68,447	13,009	2015
12,185	29,914	38,399	113,271	26,722	41,718	69,150	12,589	2016
13,525	30,533	38,522	121,003	29,782	49,983	64,497	13,820	2017
13,530	29,564	38,039	135,656	31,571	50,027	63,937	14,291	2018
12,786	29,956	37,716	142,236	31,970	49,503	64,435	12,898	2019
12,317	29,103	35,445	150,008	31,875	49,295	57,779	12,651	2020
12,335	27,581	30,688	169,273	35,120	55,209	61,377	12,606	2021
11,819	22,710	26,841	180,095	36,964	58,725	68,142	12,187	2022
10,834	23,850	26,875	188,167	36,053	54,698	79,664	10,995	2023
10,628	24,036	27,158	208,072	34,623	55,456	82,912	11,220	2024

Source: Bank of Korea

## 2. 경제활동별 국내총생산(2020년 기준 연쇄가격)(계속)

단위: 십억 원

	전기, 가스 및 수 도사업 Electricity, gas & Water supply	건설업 Construction	서비스업 Services	도소매 및 음식 숙박업 Wholesale & retail trade, Restaurants & hotels	운수업 Transport and storage	금융 및 보험업 Finance and insurance	부동산업 Information and communication	정보통신업 Information & communication
1990	7,861	69,256	265,754	70,328	17,312	16,290	37,184	5,185
1991	8,730	77,289	293,738	76,702	18,751	18,932	41,387	6,152
1992	9,845	76,003	317,346	80,751	20,015	21,390	45,460	7,025
1993	11,105	82,761	343,890	86,169	20,567	25,141	49,895	7,992
1994	12,590	86,571	376,248	93,071	22,211	28,025	54,794	9,666
1995	13,488	91,158	410,290	99,848	24,328	31,874	60,062	11,377
1996	14,970	97,045	443,386	106,389	26,312	33,685	65,997	13,781
1997	16,412	97,921	476,377	110,389	28,945	34,792	73,881	15,962
1998	16,576	86,709	467,021	100,899	27,445	33,169	80,412	16,797
1999	18,366	80,225	513,657	117,692	32,051	35,847	84,372	21,015
2000	20,431	76,445	554,190	127,392	35,762	35,267	92,042	27,428
2001	21,677	80,596	585,737	134,101	37,643	38,253	94,546	32,815
2002	23,530	83,641	635,774	141,938	39,190	47,364	97,513	38,384
2003	24,543	91,105	651,045	138,354	39,934	47,169	100,817	40,947
2004	26,252	92,890	672,212	138,713	42,242	47,102	104,935	44,763
2005	28,195	93,001	703,075	141,427	43,951	50,239	110,054	49,132
2006	29,134	93,852	737,213	146,942	46,070	52,567	114,648	51,616
2007	30,340	96,250	780,807	155,238	49,401	59,164	117,486	53,454
2008	31,845	93,132	810,694	158,341	52,250	62,884	121,836	55,484
2009	33,635	94,542	824,841	158,213	50,206	66,531	123,018	57,398
2010	35,171	91,098	866,598	169,052	57,341	68,609	123,826	59,489
2011	35,655	86,752	899,788	176,932	60,348	70,259	127,563	62,558
2012	36,612	86,422	930,436	183,975	64,083	73,757	128,315	64,846
2013	36,149	90,260	963,220	190,956	65,562	76,791	128,856	68,188
2014	37,427	91,965	992,236	193,601	67,136	81,354	133,279	69,212
2015	39,952	97,544	1,023,286	199,431	68,980	87,195	136,409	70,109
2016	39,796	107,973	1,058,132	205,088	69,837	88,583	142,831	74,395
2017	42,052	115,098	1,088,066	209,812	72,166	92,106	147,477	77,209
2018	41,538	112,698	1,133,653	215,947	75,569	97,218	152,403	81,243
2019	43,129	110,744	1,176,690	224,177	77,008	100,168	155,442	85,576
2020	45,605	110,255	1,171,666	214,871	66,604	110,016	161,030	89,215
2021	46,403	109,318	1,222,603	219,694	73,635	117,412	163,741	97,514
2022	48,021	110,255	1,269,071	231,974	82,748	120,646	160,448	99,787
2023	46,767	109,562	1,303,096	225,315	96,657	121,471	161,592	104,404
2024	48,309	105,421	1,324,201	222,021	105,153	125,704	164,810	104,960

자료: 한국은행

## 2. Gross Domestic Product by Economic Activity(At chained 2020 year prices)(Continued)

Unit: Billion KRW

사업서비스업 Business activities	공공행정, 국방 및 사회보장 Public administration, defence and social security	교육서비스업 Education	의료, 보건업 및 사회복지서비스업 Medical, Health & social work	문화 및 기타 서비스 Cultural & other	총부가가치 (기초가격) Gross value added at basic prices	국내총생산 Gross domestic product at market prices(GDP)	
27,563	40,713	39,012	17,603	14,394	447,545	495,738	1990
32,003	43,677	40,691	19,486	16,014	497,101	549,650	1991
35,622	46,759	42,510	21,058	17,421	530,136	584,561	1992
38,950	49,924	44,224	22,657	19,013	568,757	625,450	1993
43,602	52,598	46,209	25,058	21,623	620,826	684,066	1994
48,595	54,797	48,135	27,149	24,098	681,183	750,666	1995
53,332	58,450	49,877	28,368	26,537	735,303	810,647	1996
59,246	61,973	51,432	30,632	28,741	782,149	861,573	1997
54,385	64,369	51,114	29,543	26,925	746,767	819,021	1998
55,675	67,931	52,770	31,265	30,085	830,274	914,169	1999
60,922	68,903	54,389	31,264	32,903	905,712	998,289	2000
63,535	70,335	57,436	30,088	35,778	947,783	1,045,468	2001
70,376	72,634	61,033	32,270	39,927	1,023,567	1,126,429	2002
76,391	75,211	64,434	34,443	39,547	1,056,314	1,161,063	2003
79,786	78,056	66,791	36,725	39,265	1,111,882	1,221,249	2004
83,431	81,403	68,777	39,357	40,703	1,160,377	1,274,473	2005
89,024	84,818	72,215	41,970	43,321	1,222,059	1,341,320	2006
96,246	87,552	74,783	45,797	46,287	1,297,657	1,419,679	2007
101,188	89,822	77,556	47,690	47,651	1,341,155	1,462,332	2008
101,712	93,532	78,420	51,542	47,997	1,352,853	1,474,321	2009
109,257	96,576	79,866	55,163	50,578	1,446,671	1,577,253	2010
113,717	99,460	82,041	59,046	50,657	1,499,369	1,635,423	2011
116,234	103,021	83,657	63,430	50,910	1,538,317	1,677,088	2012
124,016	105,567	85,700	67,563	51,311	1,591,989	1,732,287	2013
130,492	108,619	86,198	72,568	51,038	1,641,590	1,787,975	2014
137,233	111,737	86,636	76,074	50,425	1,688,389	1,840,189	2015
142,040	114,483	87,579	81,842	52,497	1,740,196	1,898,551	2016
144,385	117,515	88,424	87,351	52,463	1,801,131	1,963,732	2017
150,911	121,395	90,659	94,719	54,447	1,861,421	2,026,102	2018
156,316	126,186	91,936	104,356	56,332	1,907,158	2,072,982	2019
156,653	129,851	90,436	106,035	46,955	1,890,776	2,058,466	2020
159,604	134,868	95,484	112,371	48,283	1,977,193	2,153,423	2021
163,453	139,003	98,708	119,255	52,244	2,040,141	2,212,159	2022
170,792	141,575	99,980	122,756	56,690	2,081,561	2,247,178	2023
169,644	144,757	101,155	127,460	57,543	2,124,455	2,292,202	2024

Source: Bank of Korea

## 3. 수송시설 및 설비

	도로연장 Length of Roads	자동차 Motor Vehicles	승용차 Passenger car	승합차 Bus	화물차 Truck	특수 Special
	km	대(Unit)				
1990	56,715	3,394,803	2,074,922	383,738	924,647	11,496
1991	58,088	4,248,000	2,727,852	427,650	1,077,467	15,031
1992	58,847	5,231,000	3,461,057	483,575	1,261,522	24,846
1993	61,296	6,274,000	4,271,253	527,958	1,448,634	26,155
1994	73,833	7,404,347	5,148,713	582,069	1,644,646	28,919
1995	74,237	8,468,901	6,006,290	612,584	1,816,582	33,445
1996	82,342	9,553,092	6,893,633	663,011	1,962,564	33,884
1997	84,968	10,413,427	7,586,474	719,127	2,072,256	35,570
1998	86,990	10,469,599	7,580,926	749,320	2,104,683	34,670
1999	87,534	11,163,728	7,837,206	993,169	2,298,116	35,237
2000	88,775	12,059,276	8,083,926	1,427,221	2,510,992	37,137
2001	91,396	12,914,115	8,889,327	1,257,008	2,728,405	39,375
2002	96,037	13,949,440	9,737,429	1,275,319	2,894,412	42,281
2003	97,253	14,586,795	10,278,923	1,246,629	3,016,407	44,836
2004	100,278	14,934,092	10,620,557	1,204,313	3,062,314	46,908
2005	102,293	15,396,715	11,122,199	1,124,645	3,102,171	47,700
2006	102,061	15,895,234	11,606,971	1,105,636	3,133,201	49,426
2007	103,340	16,428,177	12,099,779	1,104,949	3,171,351	52,098
2008	104,236	16,794,219	12,483,809	1,096,698	3,160,338	53,374
2009	104,983	17,325,210	13,023,819	1,080,687	3,166,512	54,192
2010	105,565	17,941,356	13,631,769	1,049,725	3,203,808	56,054
2011	105,931	18,437,373	14,136,478	1,015,391	3,226,421	59,083
2012	105,703	18,870,533	14,577,193	986,833	3,243,924	62,583
2013	106,414	19,400,864	15,078,354	970,805	3,285,707	65,998
2014	105,673	20,117,955	15,747,171	947,012	3,353,683	70,089
2015	107,527	20,989,885	16,561,665	920,320	3,432,937	74,963
2016	108,780	21,803,351	17,338,160	892,539	3,492,173	80,479
2017	110,091	22,528,295	18,034,540	867,522	3,540,323	85,910
2018	110,714	23,202,555	18,676,924	843,794	3,590,939	90,898
2019	111,314	23,677,366	19,177,517	811,799	3,592,586	95,464
2020	112,977	24,365,979	19,860,955	783,842	3,615,245	105,937
2021	113,405	24,911,101	20,410,648	749,968	3,631,975	118,510
2022	114,314	25,503,078	20,952,759	723,961	3,696,317	130,041
2023	115,878	25,949,201	21,390,202	694,574	3,726,400	138,025
2024	116,012	26,297,919	21,771,120	666,166	3,716,743	143,890

주: 자동차 대수는 이륜차 제외

자료: 국토교통부, 한국철도공사

### 3. Transport Facilities and Equipments

철도키로 Railway	차량보유 Rolling Stock					항공기 Aircraft	선박 Vessels	
	고속차량 Express Train		기관차 Locomotive	동차 Diesel Rail Car	전동차 Electric Rail Car			
	KTX	SRT						
km	대(Unit)						천 톤(kt)	
3,091	-	-	585	200	560	178	7,115	1990
3,091	-	-	595	197	626	186	7,274	1991
3,092	-	-	598	339	668	185	6,911	1992
3,098	-	-	589	477	785	189	6,379	1993
3,101	-	-	582	503	915	216	6,497	1994
3,101	-	-	580	495	1,120	242	6,332	1995
3,120	-	-	583	511	1,268	254	6,993	1996
3,118	-	-	586	595	1,408	266	6,756	1997
3,125	-	-	586	603	1,707	255	5,243	1998
3,119	-	-	582	616	1,717	257	6,052	1999
3,123	-	-	563	615	1,684	267	6,153	2000
3,125	-	-	563	615	1,672	280	6,593	2001
3,129	-	-	579	610	1,662	291	7,638	2002
3,140	340	-	575	606	1,858	287	7,448	2003
3,374	920	-	587	602	1,824	290	8,513	2004
3,392	920	-	587	592	1,850	294	10,068	2005
3,392	920	-	590	576	2,086	324	11,128	2006
3,399	920	-	574	566	2,086	418	13,927	2007
3,391	920	-	567	524	2,088	447	14,707	2008
3,378	920	-	514	500	2,184	478	13,916	2009
3,557	1,110	-	509	471	2,287	514	14,266	2010
3,559	1,110	-	498	444	2,344	550	13,671	2011
3,572	1,160	-	519	397	2,381	590	13,060	2012
3,588	1,160	-	495	303	2,449	623	13,585	2013
3,590	1,160	-	509	204	2,458	655	13,918	2014
3,874	1,380	-	492	201	2,410	724	13,392	2015
3,979	1,420	100	483	178	2,546	761	13,037	2016
4,078	1,530	100	456	150	2,558	793	12,705	2017
4,074	1,530	100	440	150	2,569	835	11,697	2018
4,087	1,530	100	429	121	2,562	853	12,700	2019
4,093	1,560	100	418	121	2,627	826	14,533	2020
4,131	1,644	100	401	121	2,566	807	14,392	2021
4,131	1,644	100	395	80	2,699	818	16,872	2022
4,148	1,744	100	383	41	2,948	838	20,023	2023
4,272	1,760	100	379	80	2,832	865	20,091	2024

Note: Excluding the two-wheeled vehicles

Source: Minister of Land, Infrastructure and Transport, KORAIL

## 4. 수송 실적

	여객 Passengers								
	공로 <sup>1</sup> Highway <sup>1</sup>	철도 <sup>2</sup> Railways <sup>2</sup>	지하철 Subway	해운 Shipping			항공 Aircraft		
					내항 Coastal	외항 Oversea			
								국내선 Domestic Lines	국제선 International Lines
	1,000명(1,000 persons)								
1990	12,721,877	644,814	1,186,633	8,496	8,260	236	20,690	11,064	9,626
1991	12,854,212	679,281	1,422,615	8,819	8,485	335	22,524	12,253	10,271
1992	12,848,750	716,364	1,546,279	9,071	8,733	338	25,812	14,555	11,257
1993	12,117,439	723,057	1,576,040	8,286	7,990	296	27,201	15,550	11,651
1994	11,603,575	729,003	1,603,945	8,280	7,869	411	31,482	18,406	13,076
1995	11,289,507	790,381	1,693,003	9,097	8,702	395	35,612	21,009	14,603
1996	11,480,422	819,542	1,728,171	9,936	9,413	523	39,559	23,567	15,992
1997	10,887,456	832,999	1,855,166	10,463	9,899	564	43,237	25,639	16,598
1998	10,783,922	829,050	1,838,870	8,815	8,277	538	33,608	19,504	14,104
1999	10,455,862	823,563	2,015,999	9,857	9,052	805	37,895	21,145	16,750
2000	10,410,069	837,268	2,235,221	10,701	9,702	999	41,967	22,515	19,452
2001	9,936,126	850,971	2,527,099	10,415	9,340	1,075	42,162	21,811	20,351
2002	9,783,595	851,716	2,012,386	10,713	9,460	1,253	43,965	21,248	22,717
2003	9,404,764	894,621	1,982,192	11,715	10,336	1,380	42,839	21,380	21,459
2004	9,169,560	921,223	2,033,411	12,470	10,648	1,822	45,824	18,893	26,931
2005	8,801,840	950,995	2,020,360	13,205	11,100	2,105	46,832	17,148	29,684
2006	9,108,648	969,145	2,079,961	13,959	11,574	2,385	49,879	17,172	32,708
2007	9,301,810	989,294	2,090,290	15,184	12,634	2,550	53,714	16,841	36,873
2008	9,708,410	1,018,977	2,141,872	16,696	14,162	2,534	52,333	16,990	35,343
2009	9,724,316	1,020,319	2,181,346	16,957	14,868	2,089	51,575	18,061	33,514
2010	9,498,586	1,060,941	2,273,087	17,069	14,308	2,761	60,277	20,216	40,061
2011	25,943,079	1,118,621	2,358,758	16,926	14,266	2,660	63,629	20,981	42,649
2012	25,982,998	1,149,340	2,410,931	17,419	14,538	2,881	69,304	21,602	47,703
2013	26,327,678	1,224,820	2,476,394	18,800	16,063	2,737	73,340	22,353	50,987
2014	26,678,513	1,263,472	2,526,167	16,917	14,271	2,646	81,426	24,648	56,779
2015	27,193,794	1,269,417	2,522,900	17,998	15,381	2,617	89,415	27,980	61,434
2016	28,090,714	1,449,534	3,572,127	18,200	15,423	2,777	103,914	30,913	73,001
2017	28,192,366	1,490,319	3,604,712	19,638	16,910	2,728	109,362	32,406	76,956
2018	28,409,618	1,521,590	3,618,352	17,606	14,626	2,980	117,526	31,601	85,925
2019	28,649,339	1,570,415	3,705,150	17,554	14,585	2,969	123,367	32,981	90,386
2020	25,361,541	1,122,872	2,677,582	10,772	10,603	169	39,404	25,164	14,240
2021	30,168,830	1,170,749	2,759,948	11,464	11,464	-	36,356	33,147	3,209
2022	31,954,532	1,362,259	3,112,597	13,991	13,991	19	55,828	36,328	19,500
2023	32,525,536	1,551,979	3,419,767	13,268	13,268	773	100,509	32,190	68,319
2024	-	-	-	-	-	-	120,058	31,132	88,927

1. 2011년부터 승용차 통계 포함

2. 기존 여객수송실적은 일반열차와 광역전철의 합으로 계산되었으나 2016년부터 철도통계의 개편에 따라 일반열차 여객수송실적으로만 계산 됨.

3. 비영업용 화물차 포함

주: 원 자료 제공기관의 자료 공표시차 발생에 따른 최근 통계 미수록

자료: 국토교통부, 한국철도공사



## 4. Transport Performance

화물 Freight								
공로 <sup>3</sup> Highway <sup>3</sup>	철도 Railways	해운 Shipping			항공 Aircraft			
			내항 Coastal	외항 Oversea		국내선 Domestic Lines	국제선 International Lines	
1,000 M/T								
215,125	57,922	283,695	63,914	219,781	960	183	777	1990
245,126	61,215	339,096	76,124	262,972	987	200	787	1991
266,009	58,768	371,162	85,589	285,573	1,079	242	837	1992
289,450	60,167	413,068	96,196	316,872	1,224	273	951	1993
345,831	57,866	471,122	117,694	353,428	1,419	306	1,112	1994
408,368	57,469	533,536	129,112	404,424	1,613	323	1,291	1995
426,414	53,527	582,068	140,948	441,120	1,782	351	1,431	1996
499,083	53,828	632,076	147,046	485,030	2,018	387	1,631	1997
408,136	43,345	589,931	115,179	474,752	1,834	364	1,471	1998
401,177	42,081	655,876	123,693	532,183	2,113	393	1,719	1999
496,174	45,240	701,586	131,987	569,599	2,383	434	1,949	2000
535,725	45,122	751,454	140,544	610,910	2,295	431	1,864	2001
584,573	45,733	777,251	141,706	635,545	2,510	433	2,077	2002
565,456	47,110	812,935	145,327	667,608	2,632	423	2,209	2003
518,856	44,512	849,013	115,636	733,377	2,978	409	2,569	2004
526,000	41,669	874,346	119,410	754,936	2,989	372	2,617	2005
529,278	43,341	927,635	117,805	809,830	3,209	355	2,854	2006
550,264	44,531	982,603	120,079	862,524	3,455	316	3,138	2007
555,801	46,806	1,021,657	126,964	894,693	3,252	254	2,997	2008
607,480	38,898	968,331	120,032	848,299	3,141	269	2,872	2009
619,530	39,217	1,090,418	124,225	966,193	3,589	262	3,327	2010
1,439,625	40,012	1,195,154	125,588	1,069,566	3,519	281	3,238	2011
1,554,510	40,309	1,227,595	119,057	1,108,538	3,474	265	3,209	2012
1,546,407	39,822	1,241,065	117,860	1,123,205	3,499	253	3,246	2013
1,512,700	37,379	1,302,561	117,920	1,184,641	3,694	283	3,411	2014
1,761,291	37,094	1,345,393	128,611	1,216,782	3,807	288	3,519	2015
1,799,565	32,555	1,385,824	143,227	1,242,597	4,074	293	3,781	2016
1,854,011	31,670	1,455,076	142,587	1,312,489	4,322	290	4,032	2017
1,895,686	30,915	1,526,252	120,327	1,405,925	4,442	273	4,169	2018
1,847,241	28,664	1,536,558	107,408	1,429,150	4,275	259	4,016	2019
1,788,917	26,277	1,387,741	111,513	1,276,228	3,253	182	3,071	2020
1,848,182	26,780	1,467,700	115,125	1,352,575	3,625	205	3,420	2021
1,785,562	23,623	1,429,674	122,032	1,307,642	3,550	229	3,320	2022
1,751,667	21,257	1,435,638	115,496	1,320,142	3,954	212	3,741	2023
-	-	-	-	-	4,395	204	4,192	2024

1. Including car from 2011

2. Since 2016, Railways including only regular trains excluding metropolitan railway

3. Including non-business trucks

Note: Due to discrepancies in data disclosure of original providers, recent statistics no included

Source: Minister of Land, Infrastructure and Transport, KORAIL

## 5. 소비자 물가지수

2020=100

	총지수 Total item	식료품· 비주류음료 Food & nonalcoholic beverages	주류 및 담배 Alcoholic beverages & cigarettes	의류 및 신발 Clothing & footwear	주택·수도· 전기 및 연료 Housing water & fuels	전기·가스 및 기타 연료 Electricity, gas & other fuels	가정용품 및 가사 서비스 Furnishings & household equipment	보건 Health
1990	38.5	28.2	26.2	46.8	38.2	35.3	56.3	46.1
1991	42.1	31.3	27.1	49.4	42.4	38.1	59.4	49.1
1992	44.7	32.9	28.5	52.4	45.5	40.7	61.3	50.6
1993	46.8	33.9	30.2	54.2	47.9	42.2	63.3	52.0
1994	49.8	37.4	33.1	55.5	49.8	43.1	65.5	53.9
1995	52.0	38.5	33.9	56.4	52.0	44.0	66.7	56.8
1996	54.6	39.7	37.0	57.1	54.4	47.3	68.0	59.5
1997	57.0	41.3	39.4	58.0	57.2	52.3	68.3	61.9
1998	61.3	45.4	41.9	60.4	61.4	65.5	72.3	65.2
1999	61.8	47.5	44.6	61.4	59.5	62.5	71.3	66.1
2000	63.2	47.9	45.0	62.3	61.7	70.7	69.5	71.0
2001	65.7	50.3	47.2	64.2	65.4	78.0	70.9	79.1
2002	67.5	52.8	50.8	66.2	67.2	73.8	71.5	78.6
2003	69.9	55.2	52.2	68.5	70.0	77.5	73.0	80.4
2004	72.4	59.7	52.8	68.7	72.3	81.6	73.5	81.6
2005	74.4	61.5	60.6	69.4	73.7	86.6	73.9	83.4
2006	76.1	61.8	60.5	71.3	75.8	93.3	74.1	85.0
2007	78.0	63.4	60.7	73.2	77.5	95.6	76.0	86.5
2008	81.7	66.5	61.0	75.0	80.9	103.6	79.4	88.1
2009	83.9	71.6	61.7	78.8	81.8	102.9	82.9	90.1
2010	86.4	76.2	62.0	81.2	83.7	107.0	83.2	91.6
2011	89.9	82.4	62.5	83.9	87.5	113.9	86.3	93.3
2012	91.8	85.6	63.4	87.9	91.5	119.7	88.7	94.1
2013	93.0	86.4	64.5	90.4	94.7	124.9	89.0	94.4
2014	94.2	86.6	64.4	94.1	97.5	129.5	90.9	95.1
2015	94.9	88.0	96.7	95.3	96.8	117.1	93.2	96.3
2016	95.8	90.1	97.3	97.0	96.0	104.3	94.7	97.2
2017	97.6	93.1	98.8	98.1	97.7	103.0	95.7	98.1
2018	99.1	95.7	99.1	99.2	98.4	100.2	97.9	98.1
2019	99.5	95.8	99.7	99.3	99.5	101.9	100.0	98.5
2020	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2021	102.5	105.9	100.4	100.6	101.6	98.6	101.9	99.9
2022	107.7	112.2	102.6	103.7	107.2	115.6	106.8	100.8
2023	111.6	118.3	103.6	110.7	112.6	138.7	112.6	102.4
2024	114.2	122.9	104.6	114.3	114.5	142.9	114.8	104.3

자료: 국가데이터처

## 5. Consumer Price Indices

2020=100

교통 Transport	운송 서비스 Transport services	통신 Communication	오락 및 문화 Culture & recreation	교육 Education	음식 및 숙박 Food & accommodation	기타상품 및 서비스 Miscellaneous goods & services	
32.0	16.6	160.9	75.3	26.0	33.6	38.3	1990
35.5	19.3	155.2	78.1	28.7	40.2	40.5	1991
38.8	22.0	154.9	80.0	31.8	44.2	42.1	1992
42.2	25.4	154.0	83.5	35.1	46.7	43.8	1993
45.4	29.3	150.1	85.6	38.5	49.9	45.4	1994
48.2	32.2	146.7	88.7	43.6	52.6	46.9	1995
51.8	35.4	146.0	92.1	48.5	55.6	49.6	1996
56.8	37.7	141.8	92.9	52.0	57.5	51.9	1997
66.3	44.6	141.5	96.1	53.9	60.4	56.6	1998
67.9	45.7	140.8	96.1	54.6	59.8	55.4	1999
70.9	48.1	137.6	95.1	57.3	60.4	56.1	2000
73.7	51.6	133.2	94.7	59.9	61.4	58.3	2001
74.4	53.5	127.3	95.3	63.3	63.5	60.2	2002
77.4	57.6	120.7	95.7	67.0	65.8	61.7	2003
80.1	60.6	118.8	95.6	70.7	68.3	63.0	2004
84.1	65.5	116.6	95.7	73.7	69.9	63.9	2005
88.0	67.6	115.1	93.5	77.3	71.3	67.2	2006
91.2	72.3	112.8	91.8	81.9	72.6	70.5	2007
99.2	73.9	111.2	93.2	86.4	76.1	76.9	2008
95.7	75.2	111.0	95.4	88.5	79.0	82.1	2009
100.3	76.6	110.0	96.2	90.5	80.9	85.0	2010
107.4	79.0	108.2	97.7	92.1	84.3	87.8	2011
110.9	84.1	105.4	98.0	93.4	85.3	84.9	2012
110.3	86.5	105.3	99.0	94.5	86.7	85.3	2013
108.5	88.2	105.2	99.4	95.9	87.9	87.9	2014
100.0	90.8	105.0	98.9	97.5	90.0	90.3	2015
97.8	93.4	105.1	100.7	99.1	92.2	93.4	2016
101.3	94.4	105.4	100.8	100.3	94.4	96.0	2017
103.7	95.2	104.5	101.3	101.6	97.3	96.5	2018
101.9	97.9	102.1	101.0	102.2	99.1	98.1	2019
100.0	100.0	100.0	100.0	100.0	100.0	100.0	2020
106.3	101.6	99.1	100.4	100.9	102.7	102.0	2021
116.7	103.8	100.0	103.3	102.2	110.5	108.3	2022
112.7	107.3	101.0	107.1	104.2	117.2	114.6	2023
114.3	112.4	101.3	108.6	106.0	120.8	119.2	2024

Source: Ministry of Data and Statistics

## 6. 생산자 물가지수

2020=100

	총지수 Total item	농림수산물 Agricultural, Forest & Marine Products	광산품 Mining Products	공산품 Manufacturing Products	전력, 가스 수도 및 폐기물 Electric Power, Gas & Water Supply	서비스 Services	운송서비스 Transport	음식점 및 숙박서비스 Food & Accommodation
1990	54.2	33.2	34.9	60.7	42.7	-	-	-
1991	56.7	37.1	38.0	63.0	43.3	-	-	-
1992	58.0	38.4	38.5	64.2	46.2	-	-	-
1993	58.9	39.0	38.5	65.1	46.9	-	-	-
1994	60.5	43.8	39.4	66.1	47.1	-	-	-
1995	63.3	45.4	39.4	69.3	48.8	59.1	49.9	53.4
1996	65.3	46.2	39.8	70.8	51.0	63.0	52.9	59.3
1997	67.8	47.0	40.5	73.1	53.5	66.6	55.3	62.8
1998	76.1	48.8	43.7	83.8	59.4	71.9	64.1	64.2
1999	74.5	53.8	44.3	81.0	58.9	70.7	63.9	64.9
2000	76.0	52.4	45.3	82.9	64.0	71.8	66.1	67.8
2001	75.7	54.3	45.8	81.1	68.5	72.7	67.7	72.3
2002	75.5	55.7	49.6	79.7	66.7	74.3	70.0	76.7
2003	77.1	58.9	50.2	81.1	68.6	76.0	72.7	76.7
2004	81.8	66.0	54.1	87.3	69.3	78.2	76.9	73.8
2005	83.5	63.6	57.8	90.1	69.8	79.3	77.9	73.4
2006	84.3	62.0	56.5	90.1	74.3	81.1	79.9	73.8
2007	85.5	63.7	60.4	90.9	76.7	83.0	82.0	74.0
2008	92.8	64.4	65.9	101.9	79.7	85.1	87.0	74.9
2009	92.6	70.0	72.2	100.1	83.8	86.0	88.5	75.8
2010	96.1	76.3	80.1	104.4	86.8	87.5	89.4	77.4
2011	102.6	82.0	81.8	113.8	91.7	89.6	90.4	82.5
2012	103.3	82.7	84.6	113.3	98.3	91.1	92.7	84.6
2013	101.7	77.7	86.6	109.9	103.6	91.3	93.3	86.0
2014	101.1	78.2	88.4	107.6	109.1	92.7	94.8	87.6
2015	97.1	80.0	88.8	100.4	101.9	93.8	94.3	89.4
2016	95.3	84.7	92.3	96.8	96.1	94.8	94.6	91.4
2017	98.6	90.1	96.9	101.5	97.5	96.1	95.6	93.5
2018	100.4	93.4	101.6	103.7	98.0	97.5	97.0	96.5
2019	100.5	91.3	102.3	102.6	100.3	98.7	98.8	98.9
2020	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2021	106.4	108.1	106.5	110.4	100.6	102.3	103.2	102.5
2022	115.3	109.2	118.8	123.3	121.5	105.5	109.9	110.3
2023	117.1	112.6	131.0	122.2	140.9	108.1	110.7	117.2
2024	119.1	117.6	133.0	123.3	145.3	110.5	111.2	120.7

자료: 국가데이터처

## 6. Producer Price Indices

2020=100

정보통신 및 방송서비스 Telecommuni- cation & Broadcasting	금융 및 보험서비스 Financial & Insurance Activities	부동산서비스 Real Estate Activities	전문, 과학 및 기술서비스 Professional, scientific and technical activities	사업지원 서비스 Business Services	교육서비스 Education	예술, 스포츠 및 여가관련 서비스 Cultural Activities & Amusement Activities	기타서비스 Other Services	
-	-	-	-	-	-	-	-	1990
-	-	-	-	-	-	-	-	1991
-	-	-	-	-	-	-	-	1992
-	-	-	-	-	-	-	-	1993
-	-	-	-	-	-	-	-	1994
84.5	92.9	65.4	33.6	73.7	-	-	-	1995
88.2	94.0	68.5	40.2	73.7	-	-	-	1996
90.8	93.4	71.6	45.3	78.5	-	-	-	1997
93.3	90.6	72.4	48.5	92.4	-	-	-	1998
94.5	97.6	70.4	47.6	80.8	-	-	-	1999
95.5	97.5	70.3	49.2	78.1	-	-	-	2000
96.3	93.3	71.4	51.3	75.3	-	-	-	2001
96.6	96.2	73.1	54.2	73.4	-	-	-	2002
96.1	96.5	75.5	57.3	71.9	-	-	-	2003
95.4	101.8	77.2	60.9	71.8	-	-	-	2004
95.4	107.0	77.8	63.1	70.9	-	-	-	2005
96.3	114.5	78.7	65.2	72.6	-	-	-	2006
96.8	122.5	80.4	66.9	73.9	-	-	-	2007
97.2	113.4	82.8	73.8	76.5	-	-	-	2008
98.1	108.2	84.9	76.1	77.2	-	-	-	2009
98.4	111.9	86.0	80.5	78.5	77.5	85.9	79.7	2010
98.4	114.8	87.8	83.1	80.6	80.2	87.6	82.7	2011
98.0	111.5	89.9	85.0	82.8	83.7	88.5	85.2	2012
97.2	105.0	91.6	85.0	83.8	86.9	89.9	86.7	2013
98.2	106.1	93.0	85.2	85.2	88.8	91.7	88.7	2014
99.4	106.8	94.4	87.3	87.3	90.7	93.0	90.3	2015
99.9	104.3	95.9	89.7	88.7	92.6	94.5	91.8	2016
99.9	105.1	97.3	92.6	90.4	93.9	96.3	94.0	2017
99.0	103.6	98.2	94.3	94.3	96.2	98.9	97.0	2018
98.6	99.6	99.0	97.8	97.1	98.2	100.0	98.7	2019
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	2020
101.3	106.3	101.0	103.1	101.6	101.6	101.1	101.9	2021
102.1	99.9	102.0	106.5	105.9	104.1	106.0	106.7	2022
103.5	99.2	103.0	108.8	108.7	107.1	110.0	113.7	2023
107.2	100.3	104.7	111.3	110.2	109.4	111.5	119.2	2024

Source: Ministry of Data and Statistics

## 7. 특수 분류별 생산자 물가지수

2020=100

	총지수 All Items	식료품 Foods	식료품 이외 Excluding Foods	신선식품 Fresh Foods	신선식품 이외 Excluding Fresh Foods
1990	54.2	35.8	56.9	21.2	55.5
1991	56.7	38.7	59.1	26.1	57.7
1992	58.0	40.4	60.1	27.2	58.9
1993	58.9	41.0	61.0	27.1	59.9
1994	60.5	44.5	61.9	34.2	60.9
1995	63.3	46.1	64.9	34.0	63.9
1996	65.3	47.5	67.1	32.4	66.1
1997	67.8	48.8	69.7	35.9	68.5
1998	76.1	54.4	78.3	36.6	77.1
1999	74.5	56.8	76.0	39.1	75.3
2000	76.0	55.4	78.1	36.2	77.1
2001	75.7	56.7	77.5	38.0	76.6
2002	75.5	57.8	77.1	40.4	76.3
2003	77.1	60.4	78.6	44.9	77.8
2004	81.8	65.6	83.1	52.4	82.3
2005	83.5	65.1	85.2	50.4	84.2
2006	84.3	64.4	86.1	50.3	85.0
2007	85.5	66.1	87.2	54.1	86.1
2008	92.8	69.2	95.0	48.6	93.8
2009	92.6	75.2	94.1	57.7	93.3
2010	96.1	79.6	97.5	73.7	96.5
2011	102.6	85.1	104.0	73.4	103.1
2012	103.3	87.2	104.6	81.5	103.6
2013	101.7	85.4	102.9	72.0	102.1
2014	101.1	86.1	102.3	68.8	101.7
2015	97.1	87.3	97.8	72.0	97.5
2016	95.3	90.2	95.7	86.8	95.4
2017	98.6	94.2	98.9	90.5	98.7
2018	100.4	96.0	100.8	92.6	100.5
2019	100.5	95.0	100.9	87.2	100.7
2020	100.0	100.0	100.0	100.0	100.0
2021	106.4	105.9	106.4	101.9	106.4
2022	115.3	110.2	115.7	106.5	115.4
2023	117.1	115.6	117.2	116.6	117.1
2024	119.1	119.4	119.0	128.4	118.9

자료: 국가데이터처

## 7. Producer Price Indices by Special Classification

2020=100

에너지 Energy	에너지 이외 Excluding Energy	IT Information Technology	IT 이외 Excluding IT	식료품-에너지 이외 Excluding Foods and Energy	신선식품-에너지 이외 Excluding Fresh Foods and Energy	
25.5	58.9	-	-	-	-	1990
26.5	61.8	-	-	-	-	1991
28.2	62.8	-	-	-	-	1992
29.4	63.6	-	-	-	-	1993
29.4	65.5	-	-	-	-	1994
30.9	68.6	285.6	51.8	-	-	1995
34.8	70.3	264.1	54.2	-	-	1996
41.1	72.1	241.1	57.0	-	-	1997
53.4	79.7	245.4	64.6	-	-	1998
51.5	78.2	227.8	63.5	-	-	1999
59.2	78.7	215.2	65.3	81.3	79.9	2000
63.3	77.7	187.1	66.5	80.0	78.8	2001
63.0	77.5	169.4	67.3	79.6	78.5	2002
67.7	78.8	155.6	69.8	80.5	79.6	2003
72.9	83.4	151.1	74.8	85.0	84.0	2004
79.0	84.5	142.5	77.1	86.4	85.3	2005
86.3	84.6	133.2	79.0	86.6	85.4	2006
89.6	85.6	124.6	81.4	87.4	86.3	2007
107.1	91.8	123.4	89.7	94.0	92.8	2008
100.2	92.3	121.7	89.7	93.9	93.1	2009
109.1	95.3	119.2	93.9	96.6	95.6	2010
124.8	101.0	116.9	101.1	102.3	101.5	2011
132.7	101.1	114.6	102.0	102.2	101.4	2012
133.5	99.2	111.8	100.5	100.4	99.7	2013
132.6	98.7	109.6	100.2	99.8	99.3	2014
110.3	96.1	108.0	95.8	96.8	96.5	2015
98.9	95.1	104.1	94.3	95.5	95.2	2016
105.8	98.1	105.2	97.9	98.4	98.2	2017
111.1	99.7	101.8	100.3	100.0	99.8	2018
111.4	99.7	99.5	100.6	100.1	99.9	2019
100.0	100.0	100.0	100.0	100.0	100.0	2020
111.3	106.0	103.4	106.7	106.0	106.1	2021
154.6	112.6	103.1	116.8	112.8	112.7	2022
162.9	113.9	101.4	119.0	113.8	113.9	2023
165.5	115.8	105.1	120.8	115.5	115.7	2024

Source: Ministry of Data and Statistics

## 8. 주요 에너지 제품별 생산자 물가지수

2020=100

	무연탄 Anthracite	코크스 Coke	연탄 Briquets	납사 Naphtha	휘발유 Gasoline	제트유 Jet oil
1990	23.8	14.1	26.2	30.1	32.9	41.0
1991	23.8	14.1	26.2	31.9	42.4	39.5
1992	23.8	14.4	26.2	29.8	49.6	34.7
1993	23.8	14.7	26.2	27.3	54.6	35.6
1994	23.8	14.7	26.2	24.1	52.5	30.7
1995	23.8	14.7	26.2	26.0	53.2	30.4
1996	23.8	14.9	26.2	29.4	60.7	40.4
1997	24.2	15.0	26.2	37.6	76.9	43.2
1998	26.7	15.0	26.2	42.6	103.1	47.0
1999	30.9	15.6	26.2	41.1	109.9	44.6
2000	35.4	16.3	26.2	59.6	115.7	68.8
2001	35.4	18.2	26.2	61.6	120.0	67.7
2002	35.4	18.3	26.2	59.0	119.2	62.5
2003	37.2	19.4	28.4	72.4	121.8	70.1
2004	39.1	23.5	28.8	94.3	127.9	94.4
2005	42.7	31.0	28.8	105.0	134.3	118.2
2006	46.2	31.7	28.8	118.5	139.1	134.2
2007	50.8	40.1	33.1	137.0	144.2	136.4
2008	57.2	37.4	42.4	188.4	162.3	226.0
2009	65.0	89.7	47.2	156.8	155.9	153.2
2010	68.8	81.2	58.5	187.1	169.1	178.9
2011	73.1	103.9	58.5	232.0	212.6	237.4
2012	79.1	100.4	58.5	235.9	225.4	247.4
2013	79.2	102.6	58.5	224.2	213.4	232.0
2014	79.8	96.6	58.5	201.1	189.5	208.4
2015	79.3	82.7	58.5	123.4	125.3	133.6
2016	80.9	72.9	61.3	102.8	105.2	107.4
2017	86.8	95.8	72.2	124.9	124.0	129.1
2018	93.8	103.1	86.3	150.8	143.8	163.4
2019	100.0	100.0	100.0	136.5	136.8	157.5
2020	100.0	100.0	100.0	100.0	100.0	100.0
2021	100.0	95.4	100.0	165.7	154.9	147.7
2022	99.9	166.6	100.0	221.7	235.4	294.7
2023	99.8	160.8	100.0	185.8	202.0	251.5
2024	99.8	171.3	100.0	200.6	198.5	243.1

자료: 국가데이터처



# 8. Producer Price Indices of Major Energy Products

2020=100

등유 Kerosene	경유 Diesel	중유 Bunker B	병커C유 Bunker C	프로판 Propane	부탄가스 Butane	
25.7	17.9	10.6	11.7	24.0	23.6	1990
31.5	17.9	10.4	11.3	23.3	22.9	1991
32.5	19.6	11.1	11.6	23.7	23.3	1992
35.0	21.1	11.8	12.1	24.4	24.0	1993
34.2	22.2	12.9	12.0	23.9	23.5	1994
35.6	23.6	14.7	15.1	24.9	24.5	1995
43.4	30.0	18.5	18.5	26.5	26.0	1996
52.3	38.3	24.4	24.9	35.0	34.4	1997
69.6	56.1	35.3	32.9	55.7	54.7	1998
62.2	53.3	29.6	28.3	42.0	41.3	1999
75.9	64.1	38.9	36.0	55.6	54.7	2000
79.6	69.1	40.9	37.8	63.8	69.0	2001
78.2	74.9	42.0	40.2	52.9	70.5	2002
91.3	86.9	47.0	43.1	58.8	88.6	2003
109.3	98.5	54.4	46.5	63.9	99.8	2004
124.3	113.4	64.8	53.3	71.7	103.2	2005
132.5	128.6	74.1	62.3	80.6	107.3	2006
135.2	135.4	76.5	64.8	86.0	110.4	2007
177.6	171.5	115.7	99.2	131.3	146.8	2008
135.7	148.0	92.7	84.0	94.7	113.3	2009
156.8	163.2	106.7	98.2	118.2	130.7	2010
207.0	209.3	137.8	128.9	142.9	162.4	2011
215.7	219.8	148.7	142.9	148.7	167.0	2012
204.7	205.4	140.9	127.1	143.8	160.2	2013
178.5	181.4	132.2	121.8	142.5	156.5	2014
114.5	117.3	96.2	87.6	96.5	107.2	2015
96.7	98.2	87.3	79.7	84.1	93.4	2016
113.6	117.4	103.2	97.0	105.2	111.4	2017
141.3	143.1	121.6	114.6	117.8	119.6	2018
139.1	139.7	122.4	119.4	105.2	105.1	2019
100.0	100.0	100.0	100.0	100.0	100.0	2020
138.7	146.8	125.9	121.3	131.9	133.8	2021
240.0	260.5	195.2	175.8	176.3	177.2	2022
204.4	212.3	167.4	152.3	149.8	151.3	2023
193.2	200.9	166.2	158.5	156.4	158.8	2024

Source: Ministry of Data and Statistics

## 8. 주요 에너지 제품별 생산자 물가지수(계속)

2020=100

	윤활유 Lubricants	그리스 Grease	아스팔트 Asphalt	재생유 WDF	주택용 전력 Residential Electricity	일반용 전력 General Electricity
1990	23.4	23.0	8.5	-	-	57.7
1991	27.1	26.6	8.5	-	-	58.1
1992	27.1	26.6	9.5	-	-	62.1
1993	27.1	26.6	9.7	-	-	62.4
1994	27.1	26.6	9.8	-	-	62.4
1995	28.6	29.8	15.7	-	86.8	64.4
1996	29.5	32.1	17.8	-	87.5	65.4
1997	30.2	33.4	19.3	-	90.1	67.3
1998	43.7	49.5	26.6	-	98.6	73.8
1999	40.2	48.4	29.8	-	98.6	74.5
2000	42.6	48.9	42.5	-	99.1	78.6
2001	47.0	51.8	44.8	-	101.8	80.6
2002	46.5	51.2	43.7	-	101.0	80.6
2003	46.8	51.2	43.8	-	98.2	79.0
2004	52.0	57.4	42.8	-	95.7	76.6
2005	55.8	60.6	45.0	-	95.3	76.2
2006	65.3	65.6	60.5	-	96.9	76.9
2007	66.2	65.0	67.3	-	98.1	78.7
2008	86.7	86.9	92.3	-	98.1	76.2
2009	87.2	91.4	101.5	-	101.3	77.3
2010	88.5	93.6	117.9	95.6	105.0	78.0
2011	107.4	111.2	136.2	118.4	106.6	79.7
2012	112.3	115.7	155.9	134.7	109.1	86.6
2013	109.7	106.9	151.9	128.7	113.2	94.9
2014	114.1	107.4	138.8	124.4	116.0	100.0
2015	111.2	106.6	89.2	106.4	114.3	100.0
2016	96.3	93.4	64.5	97.1	109.6	100.0
2017	94.5	92.0	92.4	101.0	102.7	100.0
2018	101.3	101.9	119.3	124.3	99.8	100.0
2019	100.1	99.2	125.6	111.6	100.0	100.0
2020	100.0	100.0	100.0	100.0	100.0	100.0
2021	129.0	129.9	136.0	130.1	98.3	97.7
2022	160.6	174.3	185.5	163.7	107.1	111.6
2023	166.8	212.8	190.6	154.9	130.3	144.8
2024	168.8	209.5	185.2	139.6	133.1	148.2

자료: 국가데이터처

## 8. Producer Price Indices of Major Energy Products(Continued)

2020=100

산업용 전력 Industrial Electricity	주택용 도시가스 Residential city gas	일반용 도시가스 General city gas	산업용 도시가스 Industrial city gas	증기 Steam	지역난방 District Heating	
38.9	26.1	27.2	27.6	-	-	1990
38.7	27.5	28.7	29.1	-	-	1991
41.2	30.2	31.5	31.9	-	-	1992
41.4	31.6	32.9	33.4	-	-	1993
41.4	32.2	33.6	34.1	-	-	1994
42.7	32.9	34.3	34.8	-	-	1995
43.4	34.0	35.4	36.0	-	-	1996
44.7	39.0	40.6	41.2	-	-	1997
48.9	55.8	58.1	58.9	-	-	1998
49.6	50.4	52.5	53.3	-	-	1999
53.3	61.3	63.8	64.8	52.8	-	2000
55.5	75.5	78.6	79.8	57.3	-	2001
55.5	65.1	67.8	68.8	59.4	-	2002
56.8	71.6	74.6	75.7	61.3	-	2003
56.9	75.6	78.8	79.9	60.2	-	2004
56.9	78.1	81.3	82.5	65.2	82.7	2005
58.7	93.5	97.4	98.8	74.7	89.8	2006
61.7	97.7	101.7	103.2	73.4	91.2	2007
62.9	106.1	110.5	112.1	110.6	99.5	2008
69.3	117.1	121.9	123.7	103.2	107.4	2009
73.2	119.3	132.3	131.9	111.1	107.3	2010
77.5	130.9	143.3	143.9	129.5	105.5	2011
87.0	138.4	151.3	152.9	129.5	117.7	2012
94.5	144.1	157.2	159.6	109.4	123.2	2013
100.0	153.4	167.1	170.7	112.9	126.1	2014
99.5	126.3	131.5	133.5	108.3	126.1	2015
99.3	101.3	100.6	100.7	103.8	103.0	2016
100.0	105.2	105.3	106.2	104.6	100.2	2017
100.0	100.1	100.1	103.4	110.0	97.5	2018
100.0	104.3	105.3	110.0	113.5	99.3	2019
100.0	100.0	100.0	100.0	100.0	100.0	2020
98.0	93.5	91.8	114.9	112.2	98.6	2021
111.8	110.7	111.3	211.7	178.8	112.0	2022
147.1	137.8	141.7	190.0	162.1	144.1	2023
161.3	144.9	148.9	168.0	155.7	158.7	2024

Source: Ministry of Data and Statistics

## 9. 냉난방도일

## 9. Heating and Cooling Degree-Days

	전국			서울·경기		
	평균기온 Average temperature	난방도일(18℃) Heating degree day	냉방도일(24℃) Cooling degree day	평균기온 Average temperature	난방도일(18℃) Heating degree day	냉방도일(24℃) Cooling degree day
	℃	도일(Degree day)		℃	도일(Degree day)	
1990	13.1	2,469.0	132.9	12.3	2,672.6	96.0
1991	12.2	2,674.6	45.8	11.7	2,868.6	54.4
1992	12.4	2,594.0	72.3	11.9	2,770.9	53.3
1993	11.8	2,668.6	2.0	11.4	2,860.2	6.1
1994	13.2	2,501.7	223.7	12.9	2,630.6	223.1
1995	12.0	2,739.6	113.4	11.7	2,858.5	93.4
1996	12.1	2,764.0	107.9	11.7	2,945.7	98.2
1997	12.7	2,550.7	92.1	12.2	2,780.6	143.0
1998	13.5	2,276.7	59.1	13.1	2,459.4	69.1
1999	12.8	2,504.1	60.1	12.4	2,712.5	109.8
2000	12.5	2,657.5	103.1	12.1	2,879.6	133.3
2001	12.7	2,616.5	98.5	12.1	2,855.5	110.9
2002	12.6	2,512.0	56.2	12.1	2,707.1	54.8
2003	12.5	2,510.5	23.3	12.2	2,655.1	25.0
2004	13.2	2,413.5	101.1	12.6	2,615.0	90.3
2005	12.3	2,749.0	109.1	11.7	2,949.7	89.2
2006	12.9	2,437.1	98.5	12.5	2,606.2	93.9
2007	13.2	2,384.7	96.6	12.7	2,571.9	76.8
2008	12.9	2,510.8	107.4	12.6	2,650.3	76.7
2009	13.0	2,418.3	44.4	12.4	2,662.7	57.4
2010	12.7	2,711.0	152.1	11.9	2,972.0	131.6
2011	12.4	2,694.8	97.4	11.7	2,937.7	82.8
2012	12.3	2,772.8	133.2	11.8	3,020.3	148.6
2013	12.9	2,665.8	174.6	11.9	2,991.0	132.3
2014	13.1	2,415.3	58.2	12.7	2,599.3	74.6
2015	13.4	2,298.0	82.3	13.1	2,513.7	103.4
2016	13.6	2,386.8	154.1	13.2	2,615.5	183.8
2017	13.1	2,517.1	132.7	12.4	2,758.6	131.2
2018	13.0	2,597.8	209.0	12.4	2,843.3	228.3
2019	13.4	2,370.9	120.4	12.9	2,609.4	139.7
2020	13.0	2,448.0	85.2	12.6	2,612.3	83.6
2021	13.3	2,404.7	101.3	13.0	2,585.1	147.6
2022	12.9	2,567.1	141.9	12.4	2,767.5	144.7
2023	13.7	2,347.8	133.6	13.2	2,551.5	159.2
2024	14.5	2,215.9	243.5	14.0	2,397.4	247.3

자료: 기상청

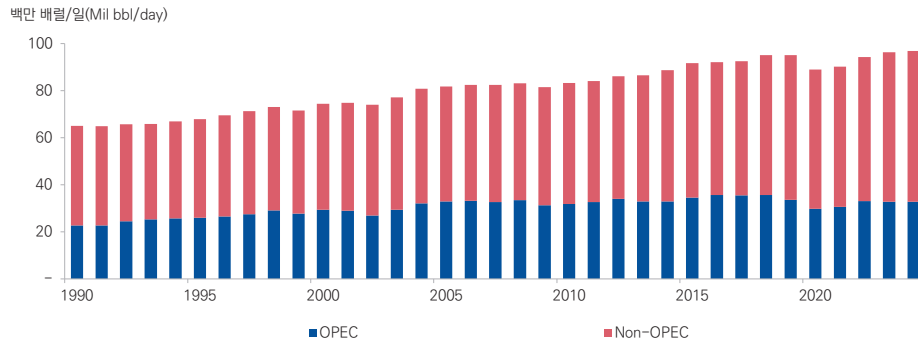
Source: Korea Meteorological Administration





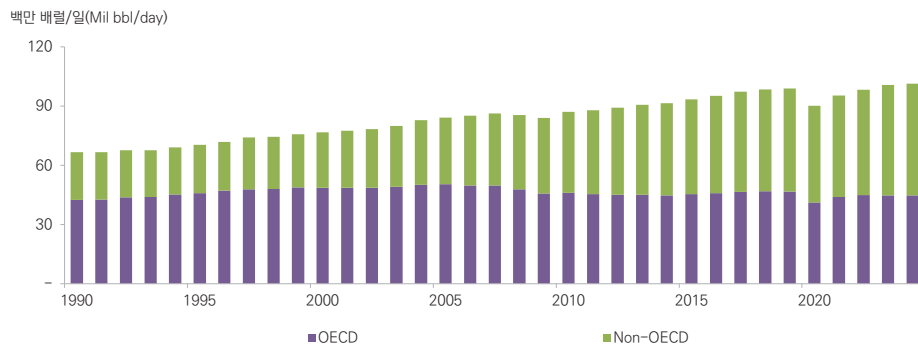
## ● 세계 원유 생산 World Crude Oil Production

〈1990~2024〉



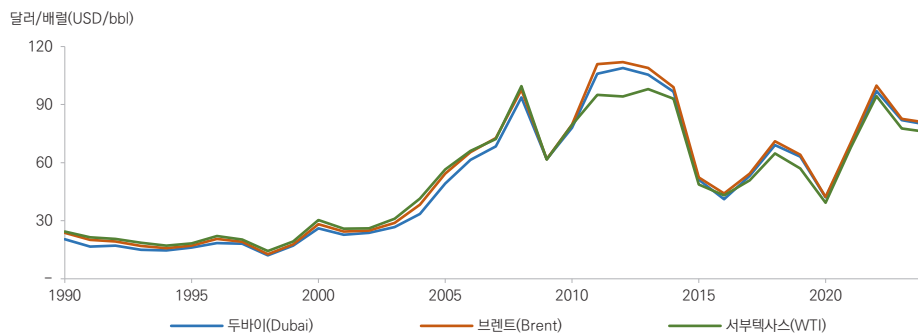
## ● 세계 석유 소비 World Oil Consumption

〈1990~2024〉



## ● 국제 유가 International Crude Oil Prices

〈1990~2024〉



## 1. 에너지 통계

## 1-1. 세계 일차에너지 공급

단위: 엑사줄

	합계 Total		석유 Oil	천연가스 Natural Gas	석탄 Coal	원자력 Nuclear	신재생 Renewables	수력발전 Hydro- electricity
		증감율 (%, yoy)						
1965	149.7	-	64.8	22.7	58.2	0.3	3.7	3.3
1970	197.7	6.6	96.1	34.6	61.5	0.9	4.7	4.2
1975	232.0	0.7	115.2	42.0	65.0	4.0	5.9	5.2
1980	269.5	-1.0	128.0	51.3	75.2	7.8	7.2	6.2
1985	291.2	2.8	121.3	58.5	86.4	16.2	8.8	7.1
1990	332.1	1.4	136.5	70.1	93.3	21.8	10.4	7.8
1991	334.3	0.6	136.4	71.9	92.5	22.9	10.7	8.0
1992	336.4	0.6	138.3	72.2	92.1	23.0	10.8	7.9
1993	338.4	0.6	137.7	73.0	92.6	23.8	11.3	8.4
1994	342.8	1.3	140.6	73.4	92.9	24.3	11.5	8.5
1995	349.7	2.0	142.8	76.0	93.6	25.3	12.0	8.9
1996	360.2	3.0	146.1	79.8	95.8	26.3	12.2	9.1
1997	363.5	0.9	149.9	79.3	95.6	26.1	12.6	9.2
1998	365.6	0.6	150.4	80.8	95.0	26.5	12.8	9.3
1999	371.9	1.7	152.8	83.1	95.4	27.5	13.1	9.4
2000	381.7	2.6	154.9	86.4	98.8	28.2	13.5	9.5
2001	386.4	1.2	156.2	87.5	100.4	28.9	13.3	9.3
2002	395.0	2.2	157.3	90.2	104.3	29.4	13.8	9.5
2003	409.5	3.7	160.6	92.6	113.5	28.8	14.0	9.4
2004	430.2	5.0	167.1	96.4	121.4	30.1	15.2	10.1
2005	444.5	3.3	169.3	98.8	130.3	30.2	15.9	10.5
2006	456.8	2.8	170.8	101.4	137.1	30.6	16.9	10.9
2007	471.4	3.2	173.1	105.6	144.9	30.0	17.9	11.1
2008	476.1	1.0	171.7	108.2	146.9	29.9	19.5	11.7
2009	468.2	-1.7	167.9	105.9	144.8	29.4	20.3	11.7
2010	490.7	4.8	173.5	113.7	151.3	30.2	22.0	12.3
2011	501.7	2.2	174.9	116.5	158.3	28.9	23.0	12.6
2012	507.6	1.2	177.7	119.7	158.8	27.0	24.5	13.1
2013	515.6	1.6	179.7	121.4	161.1	27.2	26.2	13.6
2014	520.7	1.0	181.2	122.3	161.7	27.7	27.8	14.0
2015	524.3	0.7	184.7	125.2	157.3	28.1	29.0	14.0
2016	529.5	1.0	188.3	128.1	154.0	28.5	30.6	14.5
2017	540.2	2.0	191.7	131.8	155.6	28.8	32.3	14.6
2018	553.7	2.5	193.7	137.9	158.0	29.5	34.6	15.1
2019	559.0	1.0	194.4	140.6	157.1	30.5	36.5	15.3
2020	536.1	-4.1	176.8	139.3	152.3	29.3	38.3	15.7
2021	563.3	5.1	186.6	144.8	160.7	30.6	40.5	15.5
2022	571.0	1.4	192.8	144.2	161.7	29.2	43.0	15.6
2023	580.3	1.6	197.4	144.5	163.1	29.9	45.3	15.3
2024	592.2	2.1	199.1	148.6	165.1	30.7	48.8	16.0

주: 일차에너지는 발전에 사용된 신재생에너지를 포함한 상업적 거래 연료로 구성됨.

자료: Energy Institute, 2025 Statistical Review of World Energy

Note: Primary energy comprises commercially traded fuels, including modern renewables used to generate electricity.

Source: Energy Institute, 2025 Statistical Review of World Energy



1-2. 국가 및 에너지원별 일차에너지 공급(2024년)

TES by Country and Energy Source(2024)

단위: 엑사줄

Unit: Exajoules

	합계 Total	석유 Oil	천연가스 Natural Gas	석탄 Coal	원자력 Nuclear	신재생 Renewables	수력발전 Hydro- electricity	
세계	592.2	199.1	148.6	165.1	30.7	48.8	16.0	World
비OECD	374.4	111.8	84.4	140.7	10.2	27.3	10.8	Non-OECD
OECD	217.8	87.2	64.2	24.4	20.5	21.4	5.2	OECD
중국	158.9	32.3	15.6	92.2	4.9	13.9	4.9	China
미국	91.8	35.8	32.5	7.9	9.0	6.7	0.9	US
인도	38.8	10.9	2.5	23.0	0.6	1.8	0.6	India
러시아	31.8	7.7	17.2	3.7	2.4	0.8	0.8	Russian Federation
일본	16.4	6.4	3.3	4.5	0.9	1.3	0.3	Japan
한국	13.1	5.5	2.3	2.9	2.1	0.4	0.0	South Korea
이란	12.8	3.8	8.8	0.1	0.1	0.1	0.1	Iran
캐나다	11.9	4.4	4.6	0.3	0.9	1.7	1.2	Canada
사우디아라비아	11.8	7.4	4.4	0.0	-	0.0	-	Saudi Arabia
인도네시아	11.1	3.2	1.7	4.7	-	1.5	0.1	Indonesia
브라질	10.7	5.1	1.1	0.5	0.2	3.7	1.5	Brazil
독일	10.1	4.2	2.8	1.6	-	1.5	0.1	Germany
프랑스	9.0	2.8	1.2	0.2	4.2	0.7	0.3	France
멕시코	8.0	3.6	3.6	0.3	0.1	0.4	0.1	Mexico
튀르키예	7.0	2.4	1.8	1.8	-	1.0	0.3	Turkey
영국	6.4	2.7	2.2	0.2	0.4	0.9	0.0	United Kingdom
이탈리아	5.6	2.6	2.1	0.1	-	0.8	0.2	Italy
아랍에미리트	5.5	2.3	2.6	0.1	0.4	0.1	-	United Arab Emirates
호주	5.5	2.2	1.3	1.5	-	0.4	0.0	Australia
스페인	5.1	2.7	1.0	0.1	0.6	0.7	0.1	Spain
태국	5.0	2.4	1.7	0.6	-	0.3	0.0	Thailand
남아공	4.8	1.0	0.2	3.5	0.1	0.1	0.0	South Africa
말레이시아	4.8	1.8	1.7	1.1	-	0.2	0.1	Malaysia
베트남	4.6	1.4	0.2	2.5	-	0.5	0.3	Vietnam
대만	4.4	1.6	1.1	1.4	0.1	0.1	0.0	Taiwan
이집트	3.9	1.6	2.2	0.1	-	0.1	0.1	Egypt
폴란드	3.8	1.4	0.8	1.3	-	0.3	0.0	Poland
싱가포르	3.8	3.3	0.5	0.0	-	0.0	-	Singapore
아르헨티나	3.3	1.2	1.6	0.0	0.1	0.3	0.1	Argentina
네덜란드	3.0	1.6	0.9	0.2	0.0	0.3	0.0	Netherlands
카자흐스탄	3.0	0.7	0.7	1.5	-	0.1	0.0	Kazakhstan
파키스탄	3.0	0.8	1.3	0.4	0.2	0.2	0.1	Pakistan
알제리	2.7	0.9	1.8	0.0	-	0.0	0.0	Algeria
이라크	2.6	1.9	0.7	-	-	0.0	0.0	Iraq
필리핀	2.5	1.0	0.1	1.0	-	0.5	0.0	Philippines
우즈베키스탄	2.4	0.2	2.0	0.2	-	0.0	0.0	Uzbekistan
카타르	2.3	0.7	1.7	0.0	-	0.0	-	Qatar
벨기에	2.3	1.2	0.5	0.1	0.3	0.1	0.0	Belgium

주: 일차에너지는 발전에 사용된 신재생에너지를 포함한 상업적 거래 연료로 구성됨.

자료: Energy Institute, 2025 Statistical Review of World Energy

Note: Primary energy comprises commercially traded fuels, including modern renewables used to generate electricity.

Source: Energy Institute, 2025 Statistical Review of World Energy

## 1-3. 국가별 일차에너지 공급

단위: 엑사줄

	1965	1970	1975	1980	1985	1990	1995	2000	2005	2010	2015
<b>세계</b>	<b>149.7</b>	<b>197.7</b>	<b>232.0</b>	<b>269.5</b>	<b>291.2</b>	<b>332.1</b>	<b>349.7</b>	<b>381.7</b>	<b>444.5</b>	<b>490.7</b>	<b>524.3</b>
OECD	105.3	138.8	153.0	169.6	172.9	192.9	207.7	224.8	234.9	230.4	224.7
비OECD	44.4	58.9	79.0	99.9	118.3	139.3	142.0	156.9	209.6	260.3	299.6
<b>북미</b>	<b>55.7</b>	<b>70.7</b>	<b>76.5</b>	<b>84.2</b>	<b>83.3</b>	<b>93.6</b>	<b>101.3</b>	<b>111.2</b>	<b>114.8</b>	<b>111.6</b>	<b>111.6</b>
캐나다	4.2	5.6	6.8	8.0	8.2	8.8	9.9	10.7	11.3	11.3	12.1
멕시코	1.0	1.3	2.1	3.2	3.9	4.7	5.1	6.0	7.3	7.6	7.9
미국	50.6	63.8	67.6	73.0	71.2	80.1	86.2	94.5	96.2	92.7	91.6
<b>중남미</b>	<b>4.6</b>	<b>6.0</b>	<b>7.8</b>	<b>9.9</b>	<b>10.4</b>	<b>11.9</b>	<b>14.4</b>	<b>17.0</b>	<b>19.0</b>	<b>22.6</b>	<b>25.6</b>
아르헨티나	1.2	1.3	1.4	1.6	1.6	1.7	2.1	2.3	2.6	3.0	3.4
브라질	0.8	1.4	2.4	3.3	3.7	4.2	5.1	6.4	7.0	8.9	10.4
<b>유럽</b>	<b>42.8</b>	<b>55.5</b>	<b>61.5</b>	<b>69.5</b>	<b>82.8</b>	<b>88.6</b>	<b>82.8</b>	<b>84.6</b>	<b>89.1</b>	<b>85.9</b>	<b>79.5</b>
프랑스	4.5	6.2	6.9	7.9	8.4	9.4	10.2	11.0	11.5	10.9	10.4
독일	10.6	12.9	13.4	15.2	15.4	15.1	14.3	14.2	14.1	13.6	12.9
이탈리아	3.1	4.8	5.5	6.0	5.7	7.6	7.6	7.4	7.9	7.2	6.3
네덜란드	1.5	2.4	3.0	3.1	3.0	3.3	3.5	3.6	4.0	4.2	3.6
폴란드	2.8	3.5	4.4	5.4	5.3	4.3	4.0	3.6	3.8	4.1	3.9
스페인	1.1	1.7	2.5	3.0	3.1	3.7	4.3	5.3	6.2	5.6	5.2
튀르키예	0.3	0.5	0.8	1.0	1.3	1.9	2.3	2.9	3.3	4.2	5.3
영국	8.3	9.2	8.6	8.6	8.6	9.0	9.2	9.6	9.8	8.9	8.0
<b>CIS</b>	<b>24.3</b>	<b>30.8</b>	<b>39.8</b>	<b>47.2</b>	<b>41.8</b>	<b>44.5</b>	<b>32.7</b>	<b>30.5</b>	<b>32.4</b>	<b>34.2</b>	<b>35.3</b>
카자흐스탄	-	-	-	-	2.8	3.0	2.1	1.3	1.8	2.1	2.2
러시아	-	-	-	-	33.3	35.2	26.6	24.9	26.0	27.3	27.8
우즈베키스탄	-	-	-	-	1.6	1.8	1.8	2.1	2.0	1.8	1.9
<b>중동</b>	<b>1.9</b>	<b>2.5</b>	<b>3.4</b>	<b>5.2</b>	<b>8.2</b>	<b>10.7</b>	<b>14.3</b>	<b>17.1</b>	<b>22.7</b>	<b>29.5</b>	<b>35.0</b>
이란	0.3	0.6	1.1	1.4	2.3	2.9	3.7	5.0	6.9	8.8	9.9
이라크	0.1	0.1	0.2	0.4	0.5	0.8	1.2	1.1	1.1	1.4	1.7
사우디아라비아	0.8	0.9	0.9	1.5	2.6	3.3	4.1	4.8	6.5	8.8	11.0
아랍에미리트	0.0	0.0	0.1	0.4	0.7	1.2	1.7	1.9	2.5	3.5	4.4
<b>아프리카</b>	<b>2.5</b>	<b>3.0</b>	<b>4.1</b>	<b>5.8</b>	<b>7.7</b>	<b>9.0</b>	<b>9.9</b>	<b>11.0</b>	<b>13.1</b>	<b>15.4</b>	<b>17.9</b>
알제리	0.1	0.1	0.3	0.6	0.9	1.1	1.1	1.1	1.3	1.6	2.2
이집트	0.3	0.3	0.4	0.7	1.1	1.3	1.5	1.9	2.4	3.1	3.4
남아공	1.3	1.5	2.0	2.3	3.3	3.7	4.0	4.3	4.7	5.3	5.1
<b>아시아-태평양</b>	<b>17.8</b>	<b>29.1</b>	<b>38.9</b>	<b>47.8</b>	<b>57.0</b>	<b>73.8</b>	<b>94.4</b>	<b>110.3</b>	<b>153.3</b>	<b>191.5</b>	<b>219.3</b>
호주	1.5	2.0	2.5	2.9	3.1	3.7	4.0	4.6	5.0	5.3	5.6
중국	5.4	8.3	12.9	17.0	21.5	27.7	35.9	40.9	73.1	99.8	118.6
인도	2.1	2.5	3.2	4.0	5.3	7.8	10.1	12.9	15.9	21.7	27.4
인도네시아	0.3	0.4	0.6	1.1	1.5	2.1	3.1	4.2	5.2	6.4	7.0
일본	6.1	11.8	14.3	14.9	15.7	18.2	21.0	22.2	22.7	21.4	18.6
말레이시아	0.1	0.2	0.2	0.4	0.6	0.8	1.4	2.2	3.0	3.3	3.9
파키스탄	0.3	0.4	0.4	0.5	0.7	1.0	1.3	1.6	2.1	2.5	2.8
필리핀	0.2	0.3	0.4	0.6	0.6	0.8	1.0	1.4	1.4	1.4	1.8
싱가포르	0.2	0.3	0.3	0.4	0.5	1.0	1.4	1.6	2.0	2.9	3.3
한국	0.3	0.6	0.9	1.6	2.2	3.9	6.4	8.2	9.6	11.2	12.2
대만	0.2	0.4	0.6	1.1	1.4	2.1	2.8	3.7	4.4	4.7	4.8
태국	0.1	0.2	0.4	0.5	0.7	1.2	2.2	2.6	3.6	4.2	4.9
베트남	0.1	0.3	0.2	0.2	0.2	0.2	0.4	0.7	1.2	1.8	2.6

주: 일차에너지는 발전에 사용된 신재생에너지를 포함한 상업적 거래 연료로 구성됨.

자료: Energy Institute, 2025 Statistical Review of World Energy

# 1-3. Energy Supply by Country

Unit: Exajoules

2016	2017	2018	2019	2020	2021	2022	2023	2024	점유율 Share	
<b>529.5</b>	<b>540.2</b>	<b>553.7</b>	<b>559.0</b>	<b>536.1</b>	<b>563.3</b>	<b>571.0</b>	<b>580.3</b>	<b>592.2</b>	<b>100.0%</b>	<b>World</b>
225.5	227.7	230.8	228.4	210.6	220.8	220.9	216.3	217.8	36.8%	OECD
303.9	312.5	322.8	330.6	325.5	342.5	350.2	364.0	374.4	63.2%	Non-OECD
<b>111.2</b>	<b>111.5</b>	<b>114.9</b>	<b>113.9</b>	<b>104.9</b>	<b>110.0</b>	<b>112.1</b>	<b>111.0</b>	<b>111.7</b>	<b>18.9%</b>	<b>North America</b>
11.9	12.1	12.4	12.3	11.5	11.6	11.9	11.8	11.9	2.0%	Canada
8.1	8.3	8.1	8.0	7.2	7.6	8.0	8.0	8.0	1.4%	Mexico
91.2	91.1	94.4	93.6	86.2	90.8	92.3	91.2	91.8	15.5%	US
<b>25.3</b>	<b>25.3</b>	<b>24.9</b>	<b>24.8</b>	<b>22.4</b>	<b>24.4</b>	<b>25.2</b>	<b>25.7</b>	<b>26.0</b>	<b>4.4%</b>	<b>S. &amp; Cent. America</b>
3.5	3.4	3.4	3.2	2.9	3.2	3.4	3.3	3.3	0.6%	Argentina
9.9	10.0	9.9	10.1	9.6	10.3	10.3	10.6	10.7	1.8%	Brazil
<b>80.5</b>	<b>81.9</b>	<b>81.5</b>	<b>80.1</b>	<b>73.6</b>	<b>77.6</b>	<b>73.8</b>	<b>70.9</b>	<b>71.7</b>	<b>12.1%</b>	<b>Europe</b>
10.1	10.1	10.2	9.9	8.8	9.4	8.3	8.6	9.0	1.5%	France
13.1	13.3	12.9	12.5	11.5	12.0	11.3	10.1	10.1	1.7%	Germany
6.3	6.3	6.3	6.2	5.6	6.0	6.0	5.6	5.6	0.9%	Italy
3.7	3.7	3.6	3.6	3.4	3.5	3.2	3.1	3.0	0.5%	Netherlands
4.0	4.2	4.3	4.2	4.0	4.3	4.1	3.9	3.8	0.6%	Poland
5.2	5.4	5.4	5.3	4.6	5.0	5.2	5.0	5.1	0.9%	Spain
5.6	6.1	6.1	6.2	6.2	6.7	6.7	6.7	7.0	1.2%	Turkey
7.9	7.8	7.7	7.5	6.7	6.8	6.7	6.4	6.4	1.1%	United Kingdom
<b>36.1</b>	<b>36.4</b>	<b>38.0</b>	<b>37.7</b>	<b>36.6</b>	<b>38.1</b>	<b>39.5</b>	<b>40.0</b>	<b>41.1</b>	<b>6.9%</b>	<b>CIS</b>
2.5	2.7	2.8	2.8	2.6	2.9	2.9	3.0	3.0	0.5%	Kazakhstan
28.3	28.5	29.6	29.4	28.2	29.1	30.3	30.8	31.8	5.4%	Russian Federation
1.8	1.9	1.9	1.9	1.9	2.0	2.1	2.1	2.4	0.4%	Uzbekistan
<b>36.2</b>	<b>36.8</b>	<b>36.9</b>	<b>37.3</b>	<b>36.6</b>	<b>37.5</b>	<b>39.3</b>	<b>40.5</b>	<b>41.4</b>	<b>7.0%</b>	<b>Middle East</b>
10.4	10.8	11.2	11.7	12.2	12.1	12.5	12.8	12.8	2.2%	Iran
1.8	2.1	2.2	2.4	2.1	2.2	2.4	2.6	2.6	0.4%	Iraq
11.4	11.5	11.2	10.7	10.4	10.7	11.3	11.5	11.8	2.0%	Saudi Arabia
4.6	4.4	4.1	4.4	4.2	4.5	4.9	5.1	5.5	0.9%	United Arab Emirates
<b>18.3</b>	<b>18.9</b>	<b>19.2</b>	<b>19.6</b>	<b>18.6</b>	<b>20.2</b>	<b>20.4</b>	<b>20.7</b>	<b>21.0</b>	<b>3.6%</b>	<b>Africa</b>
2.2	2.2	2.4	2.5	2.3	2.5	2.6	2.8	2.7	0.5%	Algeria
3.6	3.8	3.8	3.7	3.4	3.7	3.9	3.8	3.9	0.7%	Egypt
5.3	5.3	5.0	5.3	5.0	5.0	4.8	4.8	4.8	0.8%	South Africa
<b>221.9</b>	<b>229.4</b>	<b>238.4</b>	<b>245.6</b>	<b>243.3</b>	<b>255.5</b>	<b>260.7</b>	<b>271.4</b>	<b>279.2</b>	<b>47.2%</b>	<b>Asia Pacific</b>
5.6	5.6	5.6	5.7	5.3	5.3	5.5	5.4	5.5	0.9%	Australia
118.5	122.8	128.4	134.0	138.0	145.2	146.6	154.7	158.9	26.8%	China
28.7	29.7	31.3	31.9	30.1	32.7	34.3	37.1	38.8	6.5%	India
7.0	7.5	7.9	8.4	7.9	8.2	10.2	10.3	11.1	1.9%	Indonesia
18.4	18.5	18.4	18.0	16.6	17.3	17.1	16.7	16.4	2.8%	Japan
4.1	4.1	4.2	4.3	4.1	4.3	4.7	4.6	4.8	0.8%	Malaysia
3.0	3.2	3.3	3.3	3.2	3.6	3.3	3.0	3.0	0.5%	Pakistan
2.0	2.1	2.2	2.3	2.1	2.2	2.3	2.4	2.5	0.4%	Philippines
3.5	3.5	3.6	3.5	3.3	3.3	3.2	3.6	3.8	0.6%	Singapore
12.6	12.7	13.0	12.8	12.3	13.0	13.1	12.9	13.1	2.2%	South Korea
4.8	4.8	4.9	4.8	4.6	4.9	4.7	4.4	4.4	0.7%	Taiwan
5.0	5.1	5.2	5.2	4.9	4.9	4.9	4.9	5.0	0.8%	Thailand
2.8	2.9	3.4	3.9	3.9	3.8	3.9	4.3	4.6	0.8%	Vietnam

Note: Primary energy comprises commercially traded fuels, including modern renewables used to generate electricity.

Source: Energy Institute, 2025 Statistical Review of World Energy

## 1-4. 국가별 원유 매장량

## 1-4. Proved Reserves of Crude Oil by Country

단위: 십억 배럴

Unit: Billion barrels

	2000	2010	2015	2018	2019	2020	점유율 Share	가채년수 <sup>1</sup> Reserves-to- production ratio <sup>1</sup>	
<b>세계</b>	<b>1,300.9</b>	<b>1,636.9</b>	<b>1,683.9</b>	<b>1,736.1</b>	<b>1,734.8</b>	<b>1,732.4</b>	<b>100.0%</b>	<b>53.2</b>	<b>World</b>
OECD	262.7	238.5	246.8	263.7	261.5	260.0	15.0%	25.1	OECD
비OECD	1,038.2	1,398.3	1,437.1	1,472.4	1,473.3	1,472.4	85.0%	66.3	Non-OECD
OPEC	833.0	1,137.7	1,180.8	1,213.2	1,214.7	1,214.7	70.1%	111.4	OPEC
비OPEC	468.0	499.1	503.1	523.0	520.1	517.7	29.9%	23.9	Non-OPEC
<b>북미</b>	<b>236.5</b>	<b>220.3</b>	<b>229.2</b>	<b>246.1</b>	<b>243.9</b>	<b>242.9</b>	<b>14.0%</b>	<b>28.2</b>	<b>North America</b>
캐나다	181.5	174.8	171.5	170.7	169.1	168.1	9.7%	89.6	Canada
멕시코	24.6	10.4	9.7	6.5	6.1	6.1	0.4%	8.7	Mexico
미국	30.4	35.0	48.0	68.9	68.8	68.8	4.0%	11.4	US
<b>중남미</b>	<b>96.0</b>	<b>320.1</b>	<b>322.8</b>	<b>324.4</b>	<b>324.0</b>	<b>323.4</b>	<b>18.7%</b>	<b>145.3</b>	<b>S. &amp; Cent. America</b>
아르헨티나	3.0	2.5	2.4	2.4	2.5	2.5	0.1%	9.4	Argentina
브라질	8.5	14.2	13.0	13.4	12.7	11.9	0.7%	10.8	Brazil
콜롬비아	2.0	1.9	2.3	1.8	2.0	2.0	0.1%	7.1	Colombia
에콰도르	2.7	2.1	1.8	1.3	1.3	1.3	0.1%	7.4	Ecuador
베네수엘라	76.8	296.5	300.9	303.8	303.8	303.8	17.5%	1,228.7	Venezuela
<b>유럽</b>	<b>21.0</b>	<b>13.6</b>	<b>13.9</b>	<b>14.5</b>	<b>14.2</b>	<b>13.6</b>	<b>0.8%</b>	<b>10.3</b>	<b>Europe</b>
덴마크	1.1	0.9	0.5	0.4	0.4	0.4	0.0%	16.2	Denmark
이탈리아	0.6	0.6	0.6	0.6	0.6	0.6	0.0%	14.7	Italy
노르웨이	11.4	6.8	8.0	8.6	8.5	7.9	0.5%	10.7	Norway
영국	4.7	2.8	2.5	2.7	2.5	2.5	0.1%	6.5	United Kingdom
<b>CIS</b>	<b>120.1</b>	<b>144.2</b>	<b>140.8</b>	<b>145.7</b>	<b>146.2</b>	<b>146.2</b>	<b>8.4%</b>	<b>29.7</b>	<b>CIS</b>
아제르바이잔	1.2	7.0	7.0	7.0	7.0	7.0	0.4%	27.2	Azerbaijan
카자흐스탄	5.4	30.0	30.0	30.0	30.0	30.0	1.7%	45.6	Kazakhstan
러시아	112.1	105.8	102.4	107.2	107.8	107.8	6.2%	27.6	Russian Federation
투르크메니스탄	0.5	0.6	0.6	0.6	0.6	0.6	0.0%	7.5	Turkmenistan
우즈베키스탄	0.6	0.6	0.6	0.6	0.6	0.6	0.0%	36.7	Uzbekistan
<b>중동</b>	<b>696.7</b>	<b>765.9</b>	<b>802.9</b>	<b>833.9</b>	<b>836.0</b>	<b>835.9</b>	<b>48.3%</b>	<b>82.2</b>	<b>Middle East</b>
이란	99.5	151.2	158.4	155.6	157.8	157.8	9.1%	133.9	Iran
이라크	112.5	115.0	142.5	145.0	145.0	145.0	8.4%	96.3	Iraq
쿠웨이트	96.5	101.5	101.5	101.5	101.5	101.5	5.9%	101.9	Kuwait
오만	5.8	5.5	5.3	5.4	5.4	5.4	0.3%	15.4	Oman
카타르	16.9	24.7	25.2	25.2	25.2	25.2	1.5%	40.5	Qatar
사우디아라비아	262.8	264.5	266.5	297.7	297.6	297.5	17.2%	73.6	Saudi Arabia
시리아	2.3	2.5	2.5	2.5	2.5	2.5	0.1%	158.8	Syria
아랍에미리트	97.8	97.8	97.8	97.8	97.8	97.8	5.6%	72.2	United Arab Emirates
예멘	2.4	3.0	3.0	3.0	3.0	3.0	0.2%	93.2	Yemen
<b>아프리카</b>	<b>92.9</b>	<b>124.9</b>	<b>127.6</b>	<b>125.7</b>	<b>125.0</b>	<b>125.1</b>	<b>7.2%</b>	<b>48.8</b>	<b>Africa</b>
알제리	11.3	12.2	12.2	12.2	12.2	12.2	0.7%	25.0	Algeria
앙골라	6.0	9.1	9.5	8.2	7.8	7.8	0.4%	16.0	Angola
리비아	36.0	47.1	48.4	48.4	48.4	48.4	2.8%	312.0	Libya
나이지리아	29.0	37.2	37.1	37.0	36.9	36.9	2.1%	53.2	Nigeria
<b>아시아-태평양</b>	<b>37.7</b>	<b>47.8</b>	<b>46.6</b>	<b>45.9</b>	<b>45.3</b>	<b>45.2</b>	<b>2.6%</b>	<b>16.6</b>	<b>Asia Pacific</b>
호주	4.9	3.8	2.4	2.4	2.4	2.4	0.1%	14.4	Australia
중국	15.2	23.3	25.6	26.2	26.0	26.0	1.5%	18.2	China
인도	5.3	5.8	4.8	4.5	4.7	4.5	0.3%	15.6	India
인도네시아	5.1	4.2	3.6	3.2	2.5	2.4	0.1%	9.0	Indonesia
말레이시아	2.1	3.6	3.0	2.7	2.7	2.7	0.2%	12.1	Malaysia
베트남	2.0	4.4	4.4	4.4	4.4	4.4	0.3%	58.1	Vietnam

1. 같은 생산 수준이 지속된다고 가정할 때, 기말 기준 매장량을  
해당 연도의 생산량으로 나눈 값.

자료: Energy Institute, 2025 Statistical Review of World Energy

Note: Calculated by dividing end-of-year reserves by annual production,  
assuming the same level of production continues.

Source: Energy Institute, 2025 Statistical Review of World Energy

## 1-5-1. 국가별 원유 생산(천 배럴/일)

## 1-5-1. Crude Oil Production by Country (Thousand Barrels per Day)

	1980	1990	2000	2010	2020	2022	2023	2024	점유율 Share	
<b>세계</b>	<b>62,942</b>	<b>65,022</b>	<b>74,450</b>	<b>83,230</b>	<b>88,938</b>	<b>94,313</b>	<b>96,329</b>	<b>96,890</b>	<b>100.0%</b>	<b>World</b>
OECD	17,318	19,291	22,147	19,357	28,246	29,697	31,395	31,958	33.0%	OECD
비OECD	45,624	45,731	52,304	63,873	60,692	64,616	64,934	64,932	67.0%	Non-OECD
OPEC	25,419	22,721	29,397	31,885	29,795	33,000	32,783	32,798	33.9%	OPEC
비OPEC	37,523	42,301	45,054	51,346	59,143	61,313	63,546	64,092	66.1%	Non-OPEC
<b>북미</b>	<b>14,063</b>	<b>13,823</b>	<b>13,892</b>	<b>13,850</b>	<b>23,536</b>	<b>25,443</b>	<b>27,121</b>	<b>27,934</b>	<b>28.8%</b>	<b>North America</b>
캐나다	1,764	1,968	2,703	3,332	5,128	5,575	5,648	5,888	6.1%	Canada
멕시코	2,129	2,941	3,456	2,959	1,910	1,943	2,040	1,911	2.0%	Mexico
미국	10,170	8,914	7,733	7,559	16,498	17,925	19,433	20,135	20.8%	US
<b>중남미</b>	<b>3,747</b>	<b>4,507</b>	<b>6,690</b>	<b>7,419</b>	<b>6,082</b>	<b>6,618</b>	<b>7,358</b>	<b>7,798</b>	<b>8.0%</b>	<b>S. &amp; Cent. America</b>
아르헨티나	506	517	848	712	721	955	1,072	1,214	1.3%	Argentina
브라질	188	651	1,276	2,137	3,030	3,112	3,499	3,466	3.6%	Brazil
콜롬비아	131	446	687	786	781	754	779	773	0.8%	Colombia
에콰도르	206	292	403	488	479	481	475	475	0.5%	Ecuador
가이아나	-	-	-	-	74	278	391	616	0.6%	Guyana
베네수엘라	2,228	2,244	3,112	2,842	676	726	843	960	1.0%	Venezuela
<b>유럽</b>	<b>2,980</b>	<b>4,668</b>	<b>6,965</b>	<b>4,304</b>	<b>3,611</b>	<b>3,213</b>	<b>3,229</b>	<b>2,999</b>	<b>3.1%</b>	<b>Europe</b>
노르웨이	528	1,716	3,246	2,159	2,017	1,907	2,024	1,833	1.9%	Norway
영국	1,676	1,933	2,710	1,358	1,049	809	715	653	0.7%	United Kingdom
<b>CIS</b>	<b>12,116</b>	<b>11,403</b>	<b>7,949</b>	<b>13,428</b>	<b>13,468</b>	<b>13,933</b>	<b>13,865</b>	<b>13,461</b>	<b>13.9%</b>	<b>CIS</b>
아제르바이잔	-	254	281	1,025	703	669	621	598	0.6%	Azerbaijan
카자흐스탄	-	571	740	1,676	1,796	1,771	1,891	1,836	1.9%	Kazakhstan
러시아	-	10,342	6,583	10,379	10,666	11,202	11,074	10,752	11.1%	Russian Federation
<b>중동</b>	<b>18,872</b>	<b>17,242</b>	<b>23,292</b>	<b>25,612</b>	<b>27,783</b>	<b>30,816</b>	<b>30,238</b>	<b>30,119</b>	<b>31.1%</b>	<b>Middle East</b>
이란	1,479	3,270	3,850	4,421	3,221	3,894	4,573	5,062	5.2%	Iran
이라크	2,658	2,149	2,613	2,469	4,114	4,520	4,355	4,398	4.5%	Iraq
쿠웨이트	1,757	964	2,244	2,564	2,721	3,023	2,902	2,719	2.8%	Kuwait
오만	285	695	955	865	951	1,064	1,049	993	1.0%	Oman
카타르	476	434	851	1,630	1,703	1,729	1,783	1,806	1.9%	Qatar
사우디아라비아	10,270	7,106	9,121	9,865	11,039	12,140	11,261	10,856	11.2%	Saudi Arabia
아랍에미리트	1,735	1,985	2,599	2,915	3,702	4,120	4,017	4,006	4.1%	United Arab Emirates
<b>아프리카</b>	<b>6,219</b>	<b>6,667</b>	<b>7,783</b>	<b>10,161</b>	<b>7,009</b>	<b>7,039</b>	<b>7,258</b>	<b>7,294</b>	<b>7.5%</b>	<b>Africa</b>
알제리	1,134	1,367	1,549	1,689	1,332	1,443	1,466	1,380	1.4%	Algeria
앙골라	150	475	746	1,812	1,325	1,191	1,150	1,181	1.2%	Angola
이집트	580	897	779	725	632	616	610	637	0.7%	Egypt
리비아	1,862	1,424	1,475	1,737	423	1,109	1,237	1,188	1.2%	Libya
나이지리아	2,058	1,787	2,174	2,531	1,894	1,445	1,540	1,641	1.7%	Nigeria
<b>아시아-태평양</b>	<b>4,946</b>	<b>6,712</b>	<b>7,880</b>	<b>8,456</b>	<b>7,449</b>	<b>7,252</b>	<b>7,261</b>	<b>7,285</b>	<b>7.5%</b>	<b>Asia Pacific</b>
호주	460	647	806	550	454	412	381	365	0.4%	Australia
중국	2,122	2,778	3,257	4,077	3,901	4,111	4,198	4,264	4.4%	China
인도	193	715	726	901	795	740	729	735	0.8%	India
인도네시아	1,577	1,539	1,456	1,003	742	647	638	613	0.6%	Indonesia
말레이시아	276	622	724	733	615	561	557	535	0.6%	Malaysia
태국	-	60	186	393	421	328	324	353	0.4%	Thailand

주: 원유, 셰일유, 오일샌드, NGL 포함. 바이오매스와 석탄 파생물 등의 다른 에너지원의 액체연료는 제외

자료: Energy Institute, 2025 Statistical Review of World Energy

Note: Includes crude oil, shale oil, oil sands and NGLs(the liquid content of natural gas where this is recovered separately), excludes liquid fuels from other sources such as biomass and coal derivatives

Source: Energy Institute, 2025 Statistical Review of World Energy

## 1-5-2. 국가별 원유 생산(백만 톤)

## 1-5-2. Crude Oil Production by Country (Million tonnes)

	1980	1990	2000	2010	2020	2022	2023	2024	점유율 Share	
<b>세계</b>	<b>3,091.1</b>	<b>3,157.9</b>	<b>3,593.8</b>	<b>3,975.6</b>	<b>4,188.4</b>	<b>4,426.7</b>	<b>4,514.4</b>	<b>4,542.7</b>	<b>100.0%</b>	<b>World</b>
OECD	827.0	917.1	1,037.9	899.7	1,282.7	1,339.8	1,413.1	1,436.0	31.6%	OECD
비OECD	2,264.1	2,240.8	2,555.9	3,075.9	2,905.8	3,087.0	3,101.2	3,106.6	68.4%	Non-OECD
OPEC	1,256.6	1,103.1	1,426.5	1,519.2	1,403.7	1,552.8	1,540.3	1,543.4	34.0%	OPEC
비OPEC	1,834.5	2,054.8	2,167.3	2,456.5	2,784.7	2,873.9	2,974.0	2,999.2	66.0%	Non-OPEC
<b>북미</b>	<b>670.7</b>	<b>654.5</b>	<b>643.0</b>	<b>639.4</b>	<b>1,060.6</b>	<b>1,137.7</b>	<b>1,209.8</b>	<b>1,244.2</b>	<b>27.4%</b>	<b>North America</b>
캐나다	83.3	92.8	125.1	160.6	252.0	273.9	277.7	289.9	6.4%	Canada
멕시코	107.2	145.2	170.3	145.6	95.1	97.6	102.5	96.4	2.1%	Mexico
미국	480.2	416.6	347.6	333.1	713.5	766.2	829.5	857.9	18.9%	US
<b>중남미</b>	<b>194.7</b>	<b>234.0</b>	<b>344.8</b>	<b>379.0</b>	<b>312.9</b>	<b>339.4</b>	<b>377.8</b>	<b>400.9</b>	<b>8.8%</b>	<b>S. &amp; Cent. America</b>
아르헨티나	25.3	25.4	41.3	33.3	33.7	45.4	51.2	58.6	1.3%	Argentina
브라질	9.9	34.1	67.1	111.6	159.3	163.2	183.6	182.1	4.0%	Brazil
콜롬비아	6.8	23.4	36.3	41.4	41.3	39.7	41.0	40.8	0.9%	Colombia
에콰도르	11.0	15.5	21.6	26.1	25.8	25.8	25.5	25.5	0.6%	Ecuador
가이아나	-	-	-	-	3.7	13.8	19.5	30.8	0.7%	Guyana
베네수엘라	117.3	117.8	160.3	145.8	34.4	37.1	43.3	49.5	1.1%	Venezuela
<b>유럽</b>	<b>143.4</b>	<b>223.1</b>	<b>331.4</b>	<b>200.9</b>	<b>168.4</b>	<b>151.3</b>	<b>152.2</b>	<b>141.5</b>	<b>3.1%</b>	<b>Europe</b>
노르웨이	25.0	82.1	156.0	99.5	92.6	89.2	94.8	85.9	1.9%	Norway
영국	80.5	91.6	126.2	63.0	49.0	37.8	33.4	30.4	0.7%	United Kingdom
<b>CIS</b>	<b>603.2</b>	<b>565.0</b>	<b>392.8</b>	<b>659.9</b>	<b>659.1</b>	<b>679.2</b>	<b>675.1</b>	<b>656.3</b>	<b>14.4%</b>	<b>CIS</b>
아제르바이잔	-	12.5	14.1	50.9	34.6	32.7	30.3	29.2	0.6%	Azerbaijan
카자흐스탄	-	25.8	35.3	79.7	85.7	84.2	90.0	87.6	1.9%	Kazakhstan
러시아	-	515.9	326.7	512.3	524.4	548.5	541.6	526.4	11.6%	Russian Federation
<b>중동</b>	<b>934.0</b>	<b>837.4</b>	<b>1,128.9</b>	<b>1,209.2</b>	<b>1,300.4</b>	<b>1,442.4</b>	<b>1,411.7</b>	<b>1,407.4</b>	<b>31.0%</b>	<b>Middle East</b>
이란	74.2	162.8	191.7	212.0	147.4	178.3	211.1	234.5	5.2%	Iran
이라크	131.1	105.3	128.8	120.8	202.0	221.3	213.0	215.6	4.7%	Iraq
쿠웨이트	86.8	46.8	109.9	123.4	131.2	145.5	139.5	130.8	2.9%	Kuwait
오만	14.1	34.2	47.0	42.2	46.1	51.4	50.6	47.9	1.1%	Oman
카타르	23.7	21.1	40.2	70.9	71.6	72.0	74.3	75.5	1.7%	Qatar
사우디아라비아	509.8	342.6	438.5	463.3	519.6	573.1	528.9	510.2	11.2%	Saudi Arabia
아랍에미리트	83.8	93.2	121.5	134.2	166.9	185.5	180.2	179.7	4.0%	United Arab Emirates
<b>아프리카</b>	<b>300.3</b>	<b>317.8</b>	<b>371.4</b>	<b>484.0</b>	<b>334.0</b>	<b>332.4</b>	<b>342.7</b>	<b>345.5</b>	<b>7.6%</b>	<b>Africa</b>
알제리	51.5	58.4	66.8	73.8	57.6	62.1	63.0	59.3	1.3%	Algeria
앙골라	7.4	23.4	36.9	88.9	64.6	57.8	55.8	57.4	1.3%	Angola
이집트	29.8	45.5	38.9	35.0	31.1	30.0	29.7	31.1	0.7%	Egypt
리비아	88.3	67.2	69.5	81.6	19.6	51.9	57.9	55.7	1.2%	Libya
나이지리아	101.7	87.5	106.5	122.0	91.4	69.3	73.9	78.9	1.7%	Nigeria
<b>아시아-태평양</b>	<b>244.9</b>	<b>326.0</b>	<b>381.5</b>	<b>403.3</b>	<b>353.1</b>	<b>344.4</b>	<b>345.0</b>	<b>346.9</b>	<b>7.6%</b>	<b>Asia Pacific</b>
호주	21.8	30.3	37.1	24.6	19.1	17.1	15.6	14.9	0.3%	Australia
중국	106.0	138.3	162.6	203.0	194.8	204.7	209.0	212.9	4.7%	China
인도	9.4	34.2	34.2	41.2	35.1	33.0	32.6	32.9	0.7%	India
인도네시아	79.0	74.4	71.8	48.6	36.3	31.5	31.1	29.9	0.7%	Indonesia
말레이시아	13.2	29.5	33.6	33.1	28.0	25.3	25.0	24.1	0.5%	Malaysia
태국	-	2.4	7.1	15.2	15.1	11.5	11.2	12.4	0.3%	Thailand

주: 원유, 셰일유, 오일샌드, NGL 포함. 바이오매스와 석탄 파생물 등의 다른 에너지원의 액체연료는 제외

자료: Energy Institute, 2025 Statistical Review of World Energy

Note: Includes crude oil, shale oil, oil sands and NGLs(the liquid content of natural gas where this is recovered separately), excludes liquid fuels from other sources such as biomass and coal derivatives

Source: Energy Institute, 2025 Statistical Review of World Energy

## 1-6-1. 국가별 석유제품 소비(천 배럴/일)

## 1-6-1. Petroleum Products Consumption by Country (Thousand Barrels per Day)

	1980	1990	2000	2010	2020	2022	2023	2024	점유율 Share	
<b>세계</b>	<b>61,434</b>	<b>66,644</b>	<b>76,702</b>	<b>87,062</b>	<b>90,118</b>	<b>98,297</b>	<b>100,694</b>	<b>101,418</b>	<b>100.0%</b>	<b>World</b>
OECD	41,490	42,548	48,674	46,131	41,110	44,890	44,708	44,760	44.1%	OECD
비OECD	19,944	24,096	28,028	40,930	49,008	53,407	55,986	56,658	55.9%	Non-OECD
<b>북미</b>	<b>20,071</b>	<b>20,378</b>	<b>23,702</b>	<b>22,894</b>	<b>20,957</b>	<b>23,088</b>	<b>23,170</b>	<b>23,182</b>	<b>22.9%</b>	<b>North America</b>
캐나다	1,943	1,755	2,063	2,396	2,171	2,294	2,313	2,333	2.3%	Canada
멕시코	1,072	1,684	2,046	2,176	1,602	1,931	1,843	1,853	1.8%	Mexico
미국	17,056	16,940	19,594	18,322	17,183	18,862	19,014	18,995	18.7%	US
<b>중남미</b>	<b>3,412</b>	<b>3,518</b>	<b>4,912</b>	<b>5,968</b>	<b>5,262</b>	<b>6,220</b>	<b>6,353</b>	<b>6,336</b>	<b>6.2%</b>	<b>S. &amp; Cent. America</b>
아르헨티나	508	409	484	577	507	683	664	604	0.6%	Argentina
브라질	1,159	1,278	1,966	2,357	2,268	2,513	2,577	2,575	2.5%	Brazil
<b>유럽</b>	<b>15,769</b>	<b>16,939</b>	<b>16,196</b>	<b>15,382</b>	<b>13,084</b>	<b>14,165</b>	<b>14,011</b>	<b>14,128</b>	<b>13.9%</b>	<b>Europe</b>
벨기에	506	473	616	644	541	583	568	577	0.6%	Belgium
프랑스	2,220	1,864	1,992	1,705	1,288	1,381	1,364	1,360	1.3%	France
독일	3,014	2,685	2,741	2,373	2,132	2,169	2,034	2,051	2.0%	Germany
이탈리아	1,929	2,406	1,931	1,546	1,059	1,295	1,267	1,262	1.2%	Italy
네덜란드	780	751	845	1,007	846	826	834	785	0.8%	Netherlands
폴란드	347	325	426	564	644	698	695	705	0.7%	Poland
스페인	1,043	983	1,416	1,355	1,016	1,247	1,199	1,270	1.3%	Spain
튀르키예	306	475	664	680	970	1,072	1,143	1,162	1.1%	Turkey
영국	1,649	1,751	1,708	1,598	1,200	1,299	1,315	1,325	1.3%	United Kingdom
<b>CIS</b>	<b>8,338</b>	<b>6,770</b>	<b>3,250</b>	<b>3,578</b>	<b>4,240</b>	<b>4,642</b>	<b>4,792</b>	<b>4,884</b>	<b>4.8%</b>	<b>CIS</b>
러시아	-	5,042	2,540	2,879	3,304	3,614	3,765	3,846	3.8%	Russian Federation
<b>중동</b>	<b>1,919</b>	<b>3,447</b>	<b>5,036</b>	<b>7,914</b>	<b>8,472</b>	<b>9,533</b>	<b>9,734</b>	<b>9,893</b>	<b>9.8%</b>	<b>Middle East</b>
이란	565	949	1,347	1,754	1,788	1,906	1,931	1,953	1.9%	Iran
이라크	153	330	495	548	693	852	906	925	0.9%	Iraq
쿠웨이트	78	87	238	502	465	482	496	519	0.5%	Kuwait
사우디아라비아	592	1,136	1,627	3,169	3,437	3,854	3,900	3,959	3.9%	Saudi Arabia
아랍에미리트	99	297	376	654	877	1,100	1,138	1,183	1.2%	United Arab Emirates
<b>아프리카</b>	<b>1,394</b>	<b>1,968</b>	<b>2,445</b>	<b>3,461</b>	<b>3,855</b>	<b>4,430</b>	<b>4,450</b>	<b>4,559</b>	<b>4.5%</b>	<b>Africa</b>
이집트	256	457	553	736	607	756	741	782	0.8%	Egypt
남아공	248	349	456	528	475	501	505	467	0.5%	South Africa
<b>아시아-태평양</b>	<b>10,530</b>	<b>13,625</b>	<b>21,161</b>	<b>27,864</b>	<b>34,248</b>	<b>36,218</b>	<b>38,185</b>	<b>38,436</b>	<b>37.9%</b>	<b>Asia Pacific</b>
호주	642	711	827	935	915	999	1,058	1,087	1.1%	Australia
중국	1,643	2,204	4,655	9,307	14,404	14,970	16,579	16,374	16.1%	China
인도	643	1,212	2,279	3,337	4,738	5,209	5,452	5,621	5.5%	India
인도네시아	394	631	1,112	1,425	1,406	1,597	1,598	1,633	1.6%	Indonesia
일본	5,001	5,191	5,691	4,553	3,412	3,502	3,422	3,238	3.2%	Japan
말레이시아	162	236	496	692	729	845	919	934	0.9%	Malaysia
싱가포르	179	444	696	1,145	1,267	1,228	1,408	1,492	1.5%	Singapore
한국	476	1,041	2,209	2,361	2,630	2,856	2,796	2,891	2.9%	South Korea
대만	364	561	869	1,016	909	883	835	824	0.8%	Taiwan
태국	230	405	753	1,022	1,154	1,221	1,217	1,253	1.2%	Thailand
베트남	40	60	174	355	556	614	658	707	0.7%	Vietnam

주: 1. 국내 수요에 국제 항공, 해상 병커, 정제 원료와 손실량 합산

2. 연료용 에탄올과 바이오디젤 소비량 포함

3. 세계 소비와 생산간의 차이는 재고 변화, 비석유 첨가물 및 대체 연료의 소비, 공급과

수요의 전환이나 측정의 정의 차이 등으로 발생함

자료: Energy Institute, 2025 Statistical Review of World Energy

Note: 1. Inland demand plus international aviation and marine bunkers and refinery fuel and loss

2. Consumption of fuel ethanol and biodiesel is also included

3. Differences between these world consumption figures and world production statistics

are accounted for by stock changes, consumption of non-petroleum additives

and substitute fuels, and unavoidable disparities in the definition, measurement

or conversion of oil supply and demand data

Source: Energy Institute, 2025 Statistical Review of World Energy

## 1-6-2. 국가별 석유제품 소비(백만 톤)

## 1-6-2. Petroleum Products Consumption by Country (Million tonnes)

	1980	1990	2000	2010	2020	2022	2023	2024	점유율 Share	
<b>세계</b>	<b>2,982.2</b>	<b>3,167.2</b>	<b>3,579.9</b>	<b>4,006.9</b>	<b>4,081.0</b>	<b>4,450.2</b>	<b>4,554.2</b>	<b>4,588.8</b>	<b>100.0%</b>	<b>World</b>
OECD	1,985.2	1,987.8	2,243.5	2,102.3	1,835.5	2,009.6	1,994.2	1,996.4	43.5%	OECD
비OECD	997.1	1,179.4	1,336.5	1,904.7	2,245.5	2,440.6	2,560.0	2,592.3	56.5%	Non-OECD
<b>북미</b>	<b>928.2</b>	<b>926.4</b>	<b>1,063.9</b>	<b>1,017.5</b>	<b>901.8</b>	<b>999.7</b>	<b>997.9</b>	<b>997.9</b>	<b>21.7%</b>	<b>North America</b>
캐나다	92.1	80.6	92.3	106.6	92.5	98.7	99.1	100.6	2.2%	Canada
멕시코	50.2	75.9	93.2	97.4	69.7	87.7	82.8	83.5	1.8%	Mexico
미국	786.0	770.0	878.3	813.5	739.6	813.4	816.0	813.7	17.7%	US
<b>중남미</b>	<b>168.0</b>	<b>167.6</b>	<b>232.1</b>	<b>281.9</b>	<b>245.9</b>	<b>289.3</b>	<b>295.5</b>	<b>295.6</b>	<b>6.4%</b>	<b>S. &amp; Cent. America</b>
아르헨티나	25.1	19.4	22.7	27.5	23.8	32.1	31.0	28.3	0.6%	Argentina
브라질	56.2	59.3	91.7	110.0	105.2	115.8	118.8	119.1	2.6%	Brazil
<b>유럽</b>	<b>785.9</b>	<b>822.7</b>	<b>776.5</b>	<b>730.8</b>	<b>617.7</b>	<b>669.1</b>	<b>660.0</b>	<b>665.9</b>	<b>14.5%</b>	<b>Europe</b>
벨기에	25.6	23.5	30.2	31.3	25.4	27.5	26.6	27.1	0.6%	Belgium
프랑스	109.9	87.8	94.9	81.5	60.8	65.3	64.2	64.0	1.4%	France
독일	147.3	127.3	129.5	112.0	101.1	102.6	96.2	96.9	2.1%	Germany
이탈리아	97.9	122.0	94.8	74.1	49.7	61.0	59.6	59.5	1.3%	Italy
네덜란드	38.8	35.9	40.8	46.7	38.4	37.7	38.0	35.4	0.8%	Netherlands
폴란드	17.1	15.8	20.0	26.0	29.7	32.1	32.1	32.5	0.7%	Poland
스페인	52.2	46.7	69.8	67.6	49.9	60.9	58.5	62.2	1.4%	Spain
튀르키예	15.4	22.9	30.9	31.2	47.0	51.7	54.8	56.1	1.2%	Turkey
영국	80.9	83.0	78.6	73.8	55.0	60.3	61.2	61.4	1.3%	United Kingdom
<b>CIS</b>	<b>421.5</b>	<b>338.9</b>	<b>158.1</b>	<b>166.1</b>	<b>192.2</b>	<b>209.7</b>	<b>217.6</b>	<b>222.3</b>	<b>4.8%</b>	<b>CIS</b>
러시아	-	251.7	123.2	133.4	149.7	163.4	171.4	175.6	3.8%	Russian Federation
<b>중동</b>	<b>93.0</b>	<b>163.9</b>	<b>236.4</b>	<b>352.3</b>	<b>369.3</b>	<b>417.4</b>	<b>428.2</b>	<b>436.8</b>	<b>9.5%</b>	<b>Middle East</b>
이란	27.6	46.3	64.6	80.4	77.8	83.3	84.5	85.5	1.9%	Iran
이라크	7.3	15.5	23.8	26.1	33.6	41.1	43.9	45.0	1.0%	Iraq
쿠웨이트	3.9	4.4	10.8	22.1	19.9	20.7	21.5	23.0	0.5%	Kuwait
사우디아라비아	27.7	51.2	72.1	134.1	146.6	165.3	168.6	171.5	3.7%	Saudi Arabia
아랍에미리트	5.1	15.2	19.4	31.1	38.5	48.8	50.5	52.6	1.1%	United Arab Emirates
<b>아프리카</b>	<b>68.5</b>	<b>95.0</b>	<b>117.3</b>	<b>162.6</b>	<b>177.1</b>	<b>203.8</b>	<b>204.2</b>	<b>210.0</b>	<b>4.6%</b>	<b>Africa</b>
이집트	13.1	23.3	27.2	34.6	27.4	35.3	34.3	36.5	0.8%	Egypt
남아공	12.0	16.6	22.0	25.0	22.6	23.7	23.9	22.1	0.5%	South Africa
<b>아시아-태평양</b>	<b>517.1</b>	<b>652.7</b>	<b>995.6</b>	<b>1,295.8</b>	<b>1,576.9</b>	<b>1,661.2</b>	<b>1,750.8</b>	<b>1,760.3</b>	<b>38.4%</b>	<b>Asia Pacific</b>
호주	30.6	32.4	37.6	42.7	43.0	46.9	49.6	51.1	1.1%	Australia
중국	83.1	107.8	221.1	440.8	675.7	695.1	768.4	755.4	16.5%	China
인도	31.6	57.9	106.4	155.2	215.5	238.0	249.5	257.4	5.6%	India
인도네시아	18.9	30.5	52.9	65.4	61.6	70.2	70.1	71.9	1.6%	Indonesia
일본	241.7	245.1	264.1	208.4	155.1	159.3	155.7	147.2	3.2%	Japan
말레이시아	8.1	11.2	22.5	29.4	31.2	36.8	39.9	40.8	0.9%	Malaysia
싱가포르	9.6	23.3	36.2	60.3	66.3	64.3	73.0	77.7	1.7%	Singapore
한국	24.1	49.5	101.4	104.3	114.6	123.7	121.4	125.4	2.7%	South Korea
대만	18.4	27.4	42.1	45.9	40.1	39.2	37.0	36.7	0.8%	Taiwan
태국	11.5	19.4	34.7	43.6	48.7	52.4	52.0	53.6	1.2%	Thailand
베트남	1.9	2.9	8.4	16.7	25.5	27.9	30.0	32.1	0.7%	Vietnam

주: 1. 국내 수요에 국제 항공, 해상 병커, 정제 원료와 손실량 합산

Note: 1. Inland demand plus international aviation and marine bunkers and refinery fuel and loss

2. 연료용 에탄올과 바이오디젤 소비량 포함

2. Consumption of fuel ethanol and biodiesel is also included

3. 세계 소비와 생산간의 차이는 재고 변화, 비석유 첨가물 및 대체 연료의 소비, 공급과 수요의 전환이나 측정의 정의 차이 등으로 발생함

3. Differences between these world consumption figures and world production statistics are accounted for by stock changes, consumption of non-petroleum additives and substitute fuels, and unavoidable disparities in the definition, measurement

자료: Energy Institute, 2025 Statistical Review of World Energy

are accounted for by stock changes, consumption of non-petroleum additives and substitute fuels, and unavoidable disparities in the definition, measurement

or conversion of oil supply and demand data

Source: Energy Institute, 2025 Statistical Review of World Energy



## 1-7. 국제 유가

## 1-7. International Oil Market Prices

단위: 달러/배럴

Unit: \$/bbl

	Dubai	Brent	WTI
1980	35.85	37.89	-
1981	34.29	36.68	-
1982	31.76	33.42	32.77
1983	28.73	29.83	30.41
1984	27.49	28.80	29.38
1985	26.46	27.33	27.76
1986	13.20	14.77	15.08
1987	16.94	18.34	19.16
1988	13.22	14.97	15.97
1989	15.70	18.22	19.60
1990	20.46	23.68	24.49
1991	16.56	20.07	21.48
1992	17.19	19.31	20.56
1993	14.94	17.02	18.56
1994	14.67	15.83	17.16
1995	16.12	17.07	18.37
1996	18.54	20.65	22.07
1997	18.10	19.09	20.33
1998	12.13	12.72	14.35
1999	17.17	17.81	19.24
2000	26.08	28.27	30.33
2001	22.71	24.42	25.92
2002	23.72	24.97	26.09
2003	26.74	28.85	31.11
2004	33.46	38.30	41.44
2005	49.29	54.43	56.44
2006	61.43	65.39	66.04
2007	68.37	72.70	72.28
2008	93.78	97.64	99.56
2009	61.75	61.86	61.65
2010	78.06	79.64	79.43
2011	106.03	110.94	95.05
2012	108.90	111.97	94.16
2013	105.43	108.86	97.94
2014	96.66	98.94	93.11
2015	51.18	52.37	48.71
2016	41.20	44.05	43.19
2017	53.12	54.39	50.91
2018	69.15	71.07	64.82
2019	63.18	64.03	57.01
2020	42.17	42.30	39.31
2021	68.81	70.44	67.96
2022	97.05	99.82	94.43
2023	81.98	82.62	77.67
2024	79.66	80.70	75.84

자료: 세계은행

Source: World Bank

## 1-8. 국가별 석유 정제 능력

## 1-8. Refinery Capacity by Country

단위: 천 배럴/일

Unit: Thousand Barrels per Day

	1980	1990	2000	2010	2020	2022	2023	2024	점유율 Share	
<b>세계</b>	<b>79,421</b>	<b>75,077</b>	<b>82,864</b>	<b>94,257</b>	<b>101,825</b>	<b>101,322</b>	<b>103,370</b>	<b>104,523</b>	<b>100.0%</b>	<b>World</b>
OECD	50,040	41,088	45,012	45,727	44,561	43,471	43,654	43,536	41.7%	OECD
비OECD	29,381	33,989	37,852	48,530	57,264	57,851	59,715	60,987	58.3%	Non-OECD
<b>북미</b>	<b>22,001</b>	<b>19,223</b>	<b>19,910</b>	<b>21,112</b>	<b>21,766</b>	<b>21,573</b>	<b>21,941</b>	<b>21,928</b>	<b>21.0%</b>	<b>North America</b>
캐나다	2,155	1,920	1,861	1,913	2,065	1,954	1,954	1,954	1.9%	Canada
멕시코	1,226	1,627	1,481	1,463	1,558	1,558	1,558	1,558	1.5%	Mexico
미국	18,620	15,676	16,568	17,736	18,143	18,061	18,429	18,416	17.6%	US
<b>중남미</b>	<b>7,203</b>	<b>6,061</b>	<b>6,314</b>	<b>6,612</b>	<b>6,598</b>	<b>6,278</b>	<b>6,274</b>	<b>6,294</b>	<b>6.0%</b>	<b>S. &amp; Cent. America</b>
아르헨티나	684	681	625	625	580	580	580	600	0.6%	Argentina
브라질	1,393	1,440	1,849	1,992	2,290	2,304	2,290	2,290	2.2%	Brazil
콜롬비아	191	245	323	350	421	501	501	501	0.5%	Colombia
베네수엘라	1,283	1,243	1,274	1,303	1,303	1,303	1,303	1,303	1.2%	Venezuela
<b>유럽</b>	<b>23,180</b>	<b>18,323</b>	<b>17,997</b>	<b>17,483</b>	<b>15,787</b>	<b>15,213</b>	<b>15,046</b>	<b>15,015</b>	<b>14.4%</b>	<b>Europe</b>
벨기에	1,060	684	739	787	776	645	645	645	0.6%	Belgium
프랑스	3,326	1,699	1,984	1,702	1,245	1,145	1,145	1,145	1.1%	France
독일	3,422	2,024	2,262	2,091	2,062	2,121	2,076	2,076	2.0%	Germany
그리스	443	403	412	490	528	528	528	528	0.5%	Greece
이탈리아	3,101	2,528	2,485	2,396	1,900	1,794	1,794	1,803	1.7%	Italy
네덜란드	1,852	1,207	1,277	1,274	1,244	1,241	1,241	1,241	1.2%	Netherlands
폴란드	361	361	384	560	581	581	583	583	0.6%	Poland
스페인	1,392	1,267	1,330	1,421	1,586	1,591	1,591	1,591	1.5%	Spain
스웨덴	471	436	454	454	454	454	454	454	0.4%	Sweden
튀르키예	366	703	713	613	822	822	822	822	0.8%	Turkey
영국	2,614	1,850	1,778	1,757	1,251	1,219	1,219	1,219	1.2%	United Kingdom
<b>CIS</b>	<b>8,707</b>	<b>9,344</b>	<b>7,249</b>	<b>7,140</b>	<b>8,351</b>	<b>8,397</b>	<b>8,391</b>	<b>8,391</b>	<b>8.0%</b>	<b>CIS</b>
벨라루스	780	780	500	460	520	520	520	520	0.5%	Belarus
카자흐스탄	220	360	330	330	400	400	400	400	0.4%	Kazakhstan
러시아	6,802	7,138	5,521	5,527	6,746	6,781	6,781	6,781	6.5%	Russian Federation
<b>중동</b>	<b>3,520</b>	<b>5,647</b>	<b>6,744</b>	<b>8,152</b>	<b>10,262</b>	<b>10,675</b>	<b>11,412</b>	<b>11,719</b>	<b>11.2%</b>	<b>Middle East</b>
이란	975	1,190	1,647	1,950	2,475	2,430	2,454	2,460	2.4%	Iran
이라크	319	670	718	914	919	1,150	1,219	1,219	1.2%	Iraq
쿠웨이트	579	570	745	936	800	835	1,309	1,430	1.4%	Kuwait
오만	-	80	80	222	304	304	396	564	0.5%	Oman
사우디아라비아	700	1,860	1,798	2,109	2,947	3,224	3,289	3,289	3.1%	Saudi Arabia
아랍에미리트	15	185	668	702	1,331	1,246	1,259	1,271	1.2%	United Arab Emirates
<b>아프리카</b>	<b>2,287</b>	<b>2,868</b>	<b>2,940</b>	<b>3,309</b>	<b>3,143</b>	<b>2,911</b>	<b>2,908</b>	<b>3,486</b>	<b>3.3%</b>	<b>Africa</b>
알제리	440	434	434	554	657	657	657	657	0.6%	Algeria
이집트	324	583	654	810	795	795	795	825	0.8%	Egypt
나이지리아	210	445	320	321	460	475	529	1,030	1.0%	Nigeria
<b>아시아-태평양</b>	<b>12,523</b>	<b>13,612</b>	<b>21,710</b>	<b>30,450</b>	<b>35,917</b>	<b>36,274</b>	<b>37,397</b>	<b>37,690</b>	<b>36.1%</b>	<b>Asia Pacific</b>
중국	1,972	3,160	5,908	12,323	16,691	17,259	18,428	18,514	17.7%	China
인도	557	1,122	2,219	3,703	5,018	5,045	5,085	5,172	4.9%	India
인도네시아	427	823	1,071	1,099	1,094	1,180	1,242	1,259	1.2%	Indonesia
일본	5,643	4,324	5,010	4,291	3,285	3,164	3,069	2,955	2.8%	Japan
말레이시아	172	230	572	582	625	955	955	1,155	1.1%	Malaysia
파키스탄	113	129	134	279	430	430	430	450	0.4%	Pakistan
싱가포르	1,063	933	1,340	1,427	1,514	1,302	1,302	1,302	1.2%	Singapore
한국	608	798	2,316	2,774	3,334	3,363	3,363	3,363	3.2%	South Korea
대만	542	570	732	1,197	1,131	1,083	1,083	1,083	1.0%	Taiwan
태국	177	222	899	1,230	1,245	1,245	1,244	1,242	1.2%	Thailand

자료: Energy Institute, 2025 Statistical Review of World Energy

Source: Energy Institute, 2025 Statistical Review of World Energy

## 1-9. 국가별 천연가스 매장량

## 1-9. Proved Reserves of Natural Gas by Country

 단위: 조 m<sup>3</sup>

 Unit: Trillion m<sup>3</sup>

	2000	2010	2015	2018	2019	2020	점유율 Share	가채년수 <sup>1</sup> Reserves-to- production ratio <sup>1</sup>	
<b>세계</b>	<b>138.0</b>	<b>179.9</b>	<b>181.2</b>	<b>189.1</b>	<b>190.3</b>	<b>188.1</b>	<b>100.0%</b>	<b>48.6</b>	<b>World</b>
OECD	13.6	17.6	16.5	20.2	20.0	20.3	10.8%	13.6	OECD
비OECD	124.4	162.4	164.7	168.9	170.3	167.8	89.2%	70.8	Non-OECD
<b>북미</b>	<b>7.3</b>	<b>10.5</b>	<b>10.7</b>	<b>15.0</b>	<b>14.8</b>	<b>15.2</b>	<b>8.1%</b>	<b>13.4</b>	<b>North America</b>
캐나다	1.6	1.9	2.1	1.9	2.0	2.4	1.3%	14.2	Canada
멕시코	0.8	0.4	0.2	0.2	0.2	0.2	0.1%	4.9	Mexico
미국	4.8	8.3	8.3	12.9	12.6	12.6	6.7%	13.6	US
<b>중남미</b>	<b>6.8</b>	<b>8.1</b>	<b>8.3</b>	<b>8.0</b>	<b>7.9</b>	<b>7.9</b>	<b>4.2%</b>	<b>50.4</b>	<b>S. &amp; Cent. America</b>
아르헨티나	0.8	0.3	0.3	0.4	0.4	0.4	0.2%	10.1	Argentina
브라질	0.2	0.4	0.4	0.4	0.4	0.3	0.2%	14.4	Brazil
페루	0.2	0.3	0.4	0.3	0.3	0.3	0.1%	19.8	Peru
트리니다드토바고	0.5	0.4	0.3	0.3	0.3	0.3	0.2%	9.8	Trinidad & Tobago
베네수엘라	4.6	6.1	6.3	6.3	6.3	6.3	3.3%	290.3	Venezuela
<b>유럽</b>	<b>5.4</b>	<b>4.7</b>	<b>4.2</b>	<b>3.4</b>	<b>3.3</b>	<b>3.2</b>	<b>1.7%</b>	<b>14.6</b>	<b>Europe</b>
노르웨이	1.2	2.0	1.8	1.6	1.5	1.4	0.8%	13.0	Norway
우크라이나	0.8	0.7	1.1	1.1	1.1	1.1	0.6%	57.1	Ukraine
영국	0.7	0.3	0.2	0.2	0.2	0.2	0.1%	4.7	United Kingdom
<b>CIS</b>	<b>38.6</b>	<b>51.3</b>	<b>52.4</b>	<b>56.4</b>	<b>56.8</b>	<b>56.6</b>	<b>30.1%</b>	<b>70.0</b>	<b>CIS</b>
아제르바이잔	1.0	1.0	1.3	2.1	2.5	2.5	1.3%	96.8	Azerbaijan
카자흐스탄	1.7	1.7	1.7	2.3	2.3	2.3	1.2%	73.7	Kazakhstan
러시아	33.2	34.1	35.0	37.6	37.6	37.4	19.9%	58.6	Russian Federation
투르크메니스탄	1.8	13.6	13.6	13.6	13.6	13.6	7.2%	206.0	Turkmenistan
우즈베키스탄	0.9	0.9	0.8	0.8	0.8	0.8	0.4%	17.9	Uzbekistan
<b>중동</b>	<b>58.3</b>	<b>77.8</b>	<b>77.0</b>	<b>75.6</b>	<b>75.8</b>	<b>75.8</b>	<b>40.3%</b>	<b>113.5</b>	<b>Middle East</b>
이란	25.4	32.3	31.6	32.0	32.1	32.1	17.1%	136.2	Iran
이라크	3.0	3.0	3.0	3.5	3.5	3.5	1.9%	503.7	Iraq
이스라엘	0.0	0.2	0.2	0.4	0.6	0.6	0.3%	40.1	Israel
쿠웨이트	1.5	1.7	1.7	1.7	1.7	1.7	0.9%	138.5	Kuwait
오만	0.8	0.5	0.7	0.7	0.7	0.7	0.4%	18.0	Oman
카타르	14.9	25.9	25.1	24.7	24.7	24.7	13.1%	141.0	Qatar
사우디아라비아	6.0	7.5	8.0	5.9	6.0	6.0	3.2%	53.2	Saudi Arabia
아랍에미리트	5.8	5.9	5.9	5.9	5.9	5.9	3.2%	110.6	United Arab Emirates
<b>아프리카</b>	<b>11.9</b>	<b>14.0</b>	<b>14.0</b>	<b>14.6</b>	<b>14.9</b>	<b>12.9</b>	<b>6.9%</b>	<b>55.6</b>	<b>Africa</b>
알제리	4.4	4.3	4.3	4.3	4.3	2.3	1.2%	28.0	Algeria
이집트	1.4	2.1	2.0	2.1	2.1	2.1	1.1%	36.6	Egypt
리비아	1.2	1.4	1.4	1.4	1.4	1.4	0.8%	112.6	Libya
나이지리아	3.9	4.9	5.0	5.4	5.5	5.5	2.9%	110.7	Nigeria
<b>아시아-태평양</b>	<b>9.8</b>	<b>13.5</b>	<b>14.7</b>	<b>16.1</b>	<b>16.8</b>	<b>16.6</b>	<b>8.8%</b>	<b>25.2</b>	<b>Asia Pacific</b>
호주	1.7	2.9	2.4	2.4	2.4	2.4	1.3%	16.4	Australia
중국	1.4	2.7	4.7	6.4	8.4	8.4	4.5%	43.3	China
인도	0.7	1.1	1.2	1.3	1.3	1.3	0.7%	55.6	India
인도네시아	2.7	3.0	2.8	2.8	1.4	1.3	0.7%	18.8	Indonesia
말레이시아	1.1	1.0	1.0	0.9	0.9	0.9	0.5%	12.4	Malaysia
미얀마	0.3	0.2	0.5	0.5	0.4	0.4	0.2%	24.7	Myanmar
파키스탄	0.5	0.6	0.4	0.4	0.4	0.4	0.2%	12.6	Pakistan
베트남	0.2	0.6	0.6	0.6	0.6	0.6	0.3%	73.1	Vietnam

1. 같은 생산 수준이 지속된다고 가정할 때, 기말 기준 매장량을 해당 연도의 생산량으로 나눈 값.

자료: Energy Institute, 2025 Statistical Review of World Energy

Note: Calculated by dividing end-of-year reserves by annual production, assuming the same level of production continues.

Source: Energy Institute, 2025 Statistical Review of World Energy

## 1-10. 국가별 천연가스 생산

## 1-10. Natural Gas Production by Country

단위: 엑사줄

Unit: Exajoules

	1980	1990	2000	2010	2020	2022	2023	2024	점유율 Share	
<b>세계</b>	<b>51.4</b>	<b>70.9</b>	<b>86.4</b>	<b>113.2</b>	<b>139.2</b>	<b>145.8</b>	<b>146.3</b>	<b>148.5</b>	<b>100.0%</b>	<b>World</b>
OECD	30.0	30.0	38.0	40.7	53.9	57.6	58.6	58.4	39.3%	OECD
비OECD	21.4	40.9	48.4	72.6	85.3	88.2	87.7	90.1	60.7%	Non-OECD
<b>북미</b>	<b>22.4</b>	<b>22.1</b>	<b>26.2</b>	<b>27.9</b>	<b>40.6</b>	<b>43.6</b>	<b>45.4</b>	<b>45.5</b>	<b>30.6%</b>	<b>North America</b>
캐나다	2.6	3.7	6.3	5.4	6.0	6.7	6.8	7.0	4.7%	Canada
멕시코	0.9	0.9	1.2	1.8	1.3	1.3	1.4	1.3	0.9%	Mexico
미국	18.9	17.4	18.7	20.7	33.3	35.7	37.2	37.2	25.0%	US
<b>중남미</b>	<b>1.3</b>	<b>2.2</b>	<b>3.7</b>	<b>5.8</b>	<b>5.6</b>	<b>5.9</b>	<b>5.8</b>	<b>5.9</b>	<b>4.0%</b>	<b>S. &amp; Cent. America</b>
아르헨티나	0.3	0.6	1.3	1.4	1.4	1.5	1.5	1.6	1.1%	Argentina
브라질	0.0	0.1	0.3	0.5	0.9	0.8	0.8	0.8	0.6%	Brazil
콜롬비아	0.1	0.1	0.2	0.4	0.4	0.4	0.4	0.4	0.3%	Colombia
페루	0.0	0.0	0.0	0.3	0.5	0.5	0.6	0.6	0.4%	Peru
트리니다드토바고	0.1	0.2	0.5	1.5	1.1	0.9	0.9	0.9	0.6%	Trinidad & Tobago
베네수엘라	0.6	0.9	1.1	1.1	0.8	1.0	1.1	1.1	0.8%	Venezuela
<b>유럽</b>	<b>8.2</b>	<b>8.8</b>	<b>11.2</b>	<b>11.1</b>	<b>7.8</b>	<b>7.9</b>	<b>7.3</b>	<b>7.1</b>	<b>4.8%</b>	<b>Europe</b>
노르웨이	0.9	0.9	1.8	3.8	4.0	4.4	4.2	4.1	2.7%	Norway
우크라이나	-	1.0	0.6	0.7	0.7	0.6	0.6	0.7	0.4%	Ukraine
영국	1.3	1.7	4.1	2.1	1.4	1.4	1.2	1.1	0.7%	United Kingdom
<b>CIS</b>	<b>14.8</b>	<b>26.3</b>	<b>23.2</b>	<b>26.6</b>	<b>29.1</b>	<b>29.1</b>	<b>27.8</b>	<b>29.3</b>	<b>19.7%</b>	<b>CIS</b>
아제르바이잔	-	0.3	0.2	0.6	0.9	1.2	1.3	1.4	0.9%	Azerbaijan
카자흐스탄	-	0.2	0.3	1.0	1.1	1.0	1.1	1.1	0.7%	Kazakhstan
러시아	-	21.6	19.3	21.5	23.0	22.3	21.1	22.7	15.3%	Russian Federation
투르크메니스탄	-	2.9	1.5	1.4	2.4	2.8	2.7	2.6	1.8%	Turkmenistan
우즈베키스탄	-	1.3	1.8	2.1	1.7	1.8	1.6	1.5	1.0%	Uzbekistan
<b>중동</b>	<b>1.2</b>	<b>3.6</b>	<b>7.3</b>	<b>17.1</b>	<b>24.0</b>	<b>25.2</b>	<b>25.9</b>	<b>26.6</b>	<b>17.9%</b>	<b>Middle East</b>
바레인	0.1	0.2	0.3	0.4	0.6	0.6	0.6	0.6	0.4%	Bahrain
이란	0.2	0.9	2.0	5.2	8.5	8.9	9.4	9.5	6.4%	Iran
이라크	0.0	0.1	0.1	0.3	0.3	0.3	0.4	0.4	0.3%	Iraq
이스라엘	0.0	0.0	0.0	0.1	0.5	0.8	0.7	0.8	0.5%	Israel
쿠웨이트	0.1	0.1	0.3	0.4	0.4	0.5	0.5	0.5	0.4%	Kuwait
오만	0.0	0.1	0.4	0.9	1.3	1.5	1.6	1.6	1.1%	Oman
카타르	0.2	0.2	0.9	4.4	6.3	6.4	6.5	6.5	4.4%	Qatar
사우디아라비아	0.3	1.1	1.7	3.0	4.1	4.2	4.2	4.4	2.9%	Saudi Arabia
아랍에미리트	0.3	0.7	1.3	1.8	1.9	2.0	2.0	2.2	1.5%	United Arab Emirates
<b>아프리카</b>	<b>0.9</b>	<b>2.6</b>	<b>4.9</b>	<b>7.3</b>	<b>8.3</b>	<b>9.2</b>	<b>9.1</b>	<b>8.6</b>	<b>5.8%</b>	<b>Africa</b>
알제리	0.6	1.9	3.3	2.8	2.9	3.5	3.7	3.4	2.3%	Algeria
이집트	0.1	0.3	0.7	2.1	2.1	2.3	2.1	1.7	1.2%	Egypt
리비아	0.2	0.2	0.2	0.6	0.5	0.5	0.5	0.5	0.3%	Libya
나이지리아	0.1	0.1	0.4	1.1	1.8	1.7	1.6	1.7	1.1%	Nigeria
<b>아시아-태평양</b>	<b>2.6</b>	<b>5.4</b>	<b>10.0</b>	<b>17.4</b>	<b>23.7</b>	<b>24.8</b>	<b>24.9</b>	<b>25.5</b>	<b>17.2%</b>	<b>Asia Pacific</b>
호주	0.4	0.7	1.1	1.9	5.2	5.6	5.4	5.4	3.6%	Australia
방글라데시	0.0	0.2	0.3	0.7	0.9	0.8	0.8	0.7	0.5%	Bangladesh
중국	0.5	0.6	1.0	3.5	7.0	8.0	8.4	8.9	6.0%	China
인도	0.0	0.4	0.9	1.7	0.9	1.1	1.1	1.2	0.8%	India
인도네시아	0.7	1.6	2.5	3.0	2.4	2.4	2.5	2.6	1.7%	Indonesia
말레이시아	0.1	0.6	1.8	2.3	2.6	3.0	2.8	2.9	1.9%	Malaysia
미얀마	0.0	0.0	0.1	0.4	0.6	0.6	0.5	0.5	0.4%	Myanmar
파키스탄	0.2	0.4	0.6	1.3	1.1	1.0	1.0	0.9	0.6%	Pakistan
태국	-	0.2	0.8	1.2	1.2	0.9	0.9	1.0	0.7%	Thailand

자료: Energy Institute, 2025 Statistical Review of World Energy

Source: Energy Institute, 2025 Statistical Review of World Energy

## 1-11. 국가별 천연가스 소비

## 1-11. Natural Gas Consumption by Country

단위: 엑사줄

Unit: Exajoules

	1980	1990	2000	2010	2020	2022	2023	2024	점유율 Share	
<b>세계</b>	<b>51.3</b>	<b>70.1</b>	<b>86.4</b>	<b>113.7</b>	<b>139.3</b>	<b>144.2</b>	<b>144.5</b>	<b>148.6</b>	<b>100.0%</b>	<b>World</b>
OECD	31.9	36.0	48.5	55.9	63.9	64.6	63.3	64.2	43.2%	OECD
비OECD	19.3	34.2	37.9	57.8	75.4	79.6	81.2	84.4	56.8%	Non-OECD
<b>북미</b>	<b>21.8</b>	<b>21.9</b>	<b>27.1</b>	<b>29.0</b>	<b>37.6</b>	<b>39.5</b>	<b>40.1</b>	<b>40.7</b>	<b>27.4%</b>	<b>North America</b>
캐나다	1.8	2.3	3.2	3.3	4.2	4.5	4.5	4.6	3.1%	Canada
멕시코	0.8	1.0	1.3	2.4	3.4	3.4	3.6	3.6	2.4%	Mexico
미국	19.2	18.6	22.6	23.3	30.1	31.7	32.0	32.5	21.9%	US
<b>중남미</b>	<b>1.3</b>	<b>2.1</b>	<b>3.5</b>	<b>5.3</b>	<b>5.3</b>	<b>5.8</b>	<b>5.8</b>	<b>6.1</b>	<b>4.1%</b>	<b>S. &amp; Cent. America</b>
아르헨티나	0.4	0.7	1.2	1.5	1.6	1.7	1.6	1.6	1.1%	Argentina
브라질	0.0	0.1	0.3	1.0	1.1	1.2	1.1	1.1	0.8%	Brazil
베네수엘라	0.6	0.9	1.1	1.1	0.8	1.0	1.1	1.1	0.8%	Venezuela
<b>유럽</b>	<b>10.1</b>	<b>17.4</b>	<b>20.1</b>	<b>22.4</b>	<b>19.5</b>	<b>17.9</b>	<b>16.6</b>	<b>16.9</b>	<b>11.4%</b>	<b>Europe</b>
프랑스	0.9	1.1	1.5	1.8	1.5	1.4	1.2	1.2	0.8%	France
독일	2.2	2.3	3.0	3.2	3.1	2.7	2.6	2.8	1.9%	Germany
이탈리아	0.9	1.6	2.4	2.8	2.4	2.3	2.1	2.1	1.4%	Italy
네덜란드	1.3	1.3	1.5	1.7	1.3	1.0	0.9	0.9	0.6%	Netherlands
폴란드	0.4	0.4	0.4	0.6	0.8	0.7	0.7	0.8	0.5%	Poland
스페인	0.1	0.2	0.6	1.3	1.2	1.2	1.1	1.0	0.7%	Spain
튀르키예	-	0.1	0.5	1.3	1.7	1.8	1.7	1.8	1.2%	Turkey
영국	1.7	2.0	3.6	3.5	2.6	2.5	2.3	2.2	1.5%	United Kingdom
<b>CIS</b>	<b>13.6</b>	<b>18.4</b>	<b>16.3</b>	<b>19.0</b>	<b>20.0</b>	<b>21.4</b>	<b>21.3</b>	<b>22.2</b>	<b>14.9%</b>	<b>CIS</b>
카자흐스탄	-	0.5	0.2	0.3	0.6	0.8	0.7	0.7	0.5%	Kazakhstan
러시아	-	14.9	13.2	15.3	15.2	16.1	16.3	17.2	11.6%	Russian Federation
투르크메니스탄	-	0.3	0.3	0.7	1.2	1.4	1.3	1.0	0.7%	Turkmenistan
우즈베키스탄	-	1.3	1.8	1.6	1.6	1.7	1.7	2.0	1.3%	Uzbekistan
<b>중동</b>	<b>1.1</b>	<b>3.4</b>	<b>6.6</b>	<b>13.7</b>	<b>19.9</b>	<b>20.4</b>	<b>20.9</b>	<b>21.3</b>	<b>14.4%</b>	<b>Middle East</b>
이란	0.2	0.8	2.1	5.2	8.5	8.6	8.9	8.8	5.9%	Iran
쿠웨이트	0.1	0.1	0.3	0.5	0.6	0.8	0.9	0.9	0.6%	Kuwait
오만	0.0	0.1	0.3	0.6	0.9	1.0	1.1	1.1	0.8%	Oman
카타르	0.2	0.2	0.4	0.9	1.4	1.4	1.6	1.7	1.1%	Qatar
사우디아라비아	0.3	1.1	1.7	3.0	4.1	4.2	4.2	4.4	2.9%	Saudi Arabia
아랍에미리트	0.2	0.6	1.1	2.1	2.4	2.4	2.4	2.6	1.7%	United Arab Emirates
<b>아프리카</b>	<b>0.7</b>	<b>1.4</b>	<b>2.0</b>	<b>3.5</b>	<b>5.6</b>	<b>6.3</b>	<b>6.4</b>	<b>6.4</b>	<b>4.3%</b>	<b>Africa</b>
알제리	0.4	0.7	0.7	0.9	1.6	1.8	2.0	1.8	1.2%	Algeria
이집트	0.1	0.3	0.7	1.6	2.1	2.2	2.2	2.2	1.4%	Egypt
<b>아시아-태평양</b>	<b>2.6</b>	<b>5.5</b>	<b>10.7</b>	<b>20.7</b>	<b>31.4</b>	<b>33.0</b>	<b>33.4</b>	<b>35.0</b>	<b>23.6%</b>	<b>Asia Pacific</b>
호주	0.4	0.6	0.7	1.1	1.5	1.6	1.4	1.3	0.9%	Australia
방글라데시	0.0	0.2	0.3	0.7	1.1	1.0	1.0	1.0	0.7%	Bangladesh
중국	0.5	0.6	0.9	3.9	12.1	13.6	14.6	15.6	10.5%	China
인도	0.0	0.4	0.9	2.1	2.2	2.1	2.2	2.5	1.7%	India
인도네시아	0.3	0.6	1.2	1.6	1.4	1.4	1.6	1.7	1.1%	Indonesia
일본	0.9	1.8	2.7	3.6	3.7	3.6	3.3	3.3	2.2%	Japan
말레이시아	0.1	0.3	1.0	1.4	1.6	1.9	1.6	1.7	1.1%	Malaysia
파키스탄	0.2	0.4	0.6	1.3	1.5	1.4	1.4	1.3	0.9%	Pakistan
한국	-	0.1	0.7	1.6	2.1	2.2	2.2	2.3	1.5%	South Korea
대만	0.1	0.1	0.2	0.6	0.9	1.0	1.0	1.1	0.7%	Taiwan
태국	-	0.2	0.8	1.6	1.7	1.6	1.7	1.7	1.2%	Thailand

자료: Energy Institute, 2025 Statistical Review of World Energy

Source: Energy Institute, 2025 Statistical Review of World Energy

## 1-12. 국가별 석탄 매장량(2020년) 1-12. Proved Reserves of Coal by Country (2020)

단위: 백만 톤

Unit: Million tonnes

	무연탄/역청탄 Anthracite & bituminous	아역청탄/갈탄 Sub-bituminous & lignite	합계 Total	점유율 Share	가채년수 <sup>1</sup> Reserves-to- production ratio <sup>1</sup>	
<b>세계</b>	<b>753,639</b>	<b>320,469</b>	<b>1,074,108</b>	<b>100.0%</b>	<b>139.2</b>	<b>World</b>
OECD	331,303	177,130	508,433	47.3%	362.6	OECD
비OECD	422,336	143,339	565,675	52.7%	89.6	Non-OECD
<b>북미</b>	<b>224,444</b>	<b>32,290</b>	<b>256,734</b>	<b>23.9%</b>	<b>483.7</b>	<b>North America</b>
캐나다	4,346	2,236	6,582	0.6%	166.4	Canada
멕시코	1,160	51	1,211	0.1%	185.0	Mexico
미국	218,938	30,003	248,941	23.2%	513.6	US
<b>중남미</b>	<b>8,616</b>	<b>5,073</b>	<b>13,689</b>	<b>1.3%</b>	<b>239.9</b>	<b>S. &amp; Cent. America</b>
콜롬비아	1,547	5,049	6,596	0.6%	1,396.5	Colombia
브라질	4,554	-	4,554	0.4%	90.0	Brazil
베네수엘라	731	-	731	0.1%	1,049.3	Venezuela
<b>유럽</b>	<b>59,084</b>	<b>78,156</b>	<b>137,240</b>	<b>12.8%</b>	<b>299.1</b>	<b>Europe</b>
불가리아	192	2,174	2,366	0.2%	192.4	Bulgaria
체코	1,081	2,514	3,595	0.3%	113.3	Czech Republic
독일	-	35,900	35,900	3.3%	334.3	Germany
그리스	-	2,876	2,876	0.3%	205.5	Greece
헝가리	276	2,633	2,909	0.3%	474.9	Hungary
폴란드	22,530	5,865	28,395	2.6%	282.0	Poland
루마니아	11	280	291	0.0%	19.4	Romania
세르비아	402	7,112	7,514	0.7%	188.9	Serbia
스페인	868	319	1,187	0.1%	282.5	Spain
튀르키예	550	10,975	11,525	1.1%	168.0	Turkey
우크라이나	32,039	2,336	34,375	3.2%	1,428.7	Ukraine
영국	26	-	26	0.0%	15.5	United Kingdom
<b>CIS</b>	<b>100,208</b>	<b>90,447</b>	<b>190,655</b>	<b>17.8%</b>	<b>366.6</b>	<b>CIS</b>
카자흐스탄	25,605	-	25,605	2.4%	226.2	Kazakhstan
러시아	71,719	90,447	162,166	15.1%	407.1	Russian Federation
우즈베키스탄	1,375	-	1,375	0.1%	332.7	Uzbekistan
<b>중동·아프리카</b>	<b>15,974</b>	<b>66</b>	<b>16,040</b>	<b>1.5%</b>	<b>59.6</b>	<b>Middle East &amp; Africa</b>
남아공	9,893	-	9,893	0.9%	39.8	South Africa
짐바브웨	502	-	502	0.0%	153.0	Zimbabwe
중동	1,203	-	1,203	0.1%	703.2	Middle East
<b>아시아·태평양</b>	<b>345,313</b>	<b>114,437</b>	<b>459,750</b>	<b>42.8%</b>	<b>78.2</b>	<b>Asia Pacific</b>
호주	73,719	76,508	150,227	14.0%	315.1	Australia
중국	135,069	8,128	143,197	13.3%	36.7	China
인도	105,979	5,073	111,052	10.3%	146.8	India
인도네시아	23,141	11,728	34,869	3.2%	62.0	Indonesia
일본	340	10	350	0.0%	453.4	Japan
몽골	1,170	1,350	2,520	0.2%	58.5	Mongolia
뉴질랜드	825	6,750	7,575	0.7%	2,687.4	New Zealand
파키스탄	207	2,857	3,064	0.3%	395.8	Pakistan
한국	326	-	326	0.0%	319.9	South Korea
태국	-	1,063	1,063	0.1%	80.2	Thailand
베트남	3,116	244	3,360	0.3%	69.1	Vietnam

1. 같은 생산 수준이 지속된다고 가정할 때, 기말 기준 매장량을 해당 연도의 생산량으로 나눈 값.

자료: Energy Institute, 2025 Statistical Review of World Energy

Note: Calculated by dividing end-of-year reserves by annual production, assuming the same level of production continues.

Source: Energy Institute, 2025 Statistical Review of World Energy

## 1-13. 국가별 석탄 생산

## 1-13. Coal Production by Country

단위: 엑사줄

Unit: Exajoules

	1981	1990	2000	2010	2020	2022	2023	2024	점유율 Share	
<b>세계</b>	<b>77.2</b>	<b>94.8</b>	<b>96.5</b>	<b>150.6</b>	<b>156.6</b>	<b>174.8</b>	<b>180.3</b>	<b>182.2</b>	<b>100.0%</b>	<b>World</b>
OECD	41.0	46.1	42.4	44.0	30.0	31.7	30.7	28.8	15.8%	OECD
비OECD	36.2	48.7	54.1	106.6	126.6	143.1	149.6	153.4	84.2%	Non-OECD
<b>북미</b>	<b>19.5</b>	<b>24.4</b>	<b>24.7</b>	<b>23.9</b>	<b>12.1</b>	<b>13.4</b>	<b>13.2</b>	<b>11.9</b>	<b>6.5%</b>	<b>North America</b>
캐나다	1.0	1.7	1.6	1.5	1.1	1.2	1.3	1.1	0.6%	Canada
멕시코	0.1	0.1	0.2	0.3	0.2	0.1	0.1	0.1	0.1%	Mexico
미국	18.4	22.5	22.8	22.1	10.7	12.1	11.8	10.6	5.8%	US
<b>중남미</b>	<b>0.3</b>	<b>0.8</b>	<b>1.5</b>	<b>2.3</b>	<b>1.8</b>	<b>2.0</b>	<b>2.1</b>	<b>1.6</b>	<b>0.9%</b>	<b>S. &amp; Cent. America</b>
브라질	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1%	Brazil
콜롬비아	0.1	0.6	1.1	2.1	1.6	1.9	2.0	1.5	0.8%	Colombia
베네수엘라	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0%	Venezuela
<b>유럽</b>	<b>18.9</b>	<b>20.6</b>	<b>11.7</b>	<b>9.7</b>	<b>5.5</b>	<b>5.8</b>	<b>4.9</b>	<b>4.5</b>	<b>2.5%</b>	<b>Europe</b>
불가리아	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1%	Bulgaria
체코	1.8	1.5	1.0	0.9	0.4	0.5	0.4	0.3	0.2%	Czech Republic
독일	6.2	5.2	2.5	1.9	1.0	1.2	0.9	0.8	0.5%	Germany
그리스	0.1	0.3	0.3	0.3	0.1	0.1	0.1	0.0	0.0%	Greece
헝가리	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0%	Hungary
폴란드	4.3	4.2	3.0	2.3	1.7	1.7	1.5	1.4	0.8%	Poland
루마니아	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.0%	Romania
스페인	0.5	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0%	Spain
튀르키예	0.3	0.5	0.5	0.7	0.7	0.8	0.6	0.7	0.4%	Turkey
우크라이나	-	3.6	1.5	1.3	0.5	0.4	0.4	0.4	0.2%	Ukraine
영국	3.3	2.4	0.8	0.5	0.0	0.0	0.0	0.0	0.0%	United Kingdom
기타유럽	1.4	1.6	1.0	0.7	0.5	0.5	0.4	0.4	0.2%	Other Europe
<b>CIS</b>	<b>14.5</b>	<b>10.3</b>	<b>6.5</b>	<b>8.4</b>	<b>10.4</b>	<b>11.5</b>	<b>11.4</b>	<b>11.3</b>	<b>6.2%</b>	<b>CIS</b>
카자흐스탄	-	2.4	1.4	2.0	1.9	1.9	2.0	1.9	1.1%	Kazakhstan
러시아	-	7.8	5.1	6.3	8.4	9.3	9.2	9.1	5.0%	Russian Federation
우즈베키스탄	-	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0%	Uzbekistan
기타CIS	-	0.1	0.0	0.0	0.1	0.1	0.1	0.2	0.1%	Other CIS
<b>중동</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.0%</b>	<b>Middle East</b>
<b>아프리카</b>	<b>3.3</b>	<b>4.4</b>	<b>5.5</b>	<b>6.1</b>	<b>6.3</b>	<b>6.2</b>	<b>6.3</b>	<b>6.4</b>	<b>3.5%</b>	<b>Africa</b>
남아공	3.1	4.2	5.3	6.0	5.9	5.4	5.5	5.6	3.1%	South Africa
짐바브웨	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1%	Zimbabwe
<b>아시아-태평양</b>	<b>20.8</b>	<b>34.3</b>	<b>46.7</b>	<b>100.2</b>	<b>120.5</b>	<b>135.8</b>	<b>142.3</b>	<b>146.4</b>	<b>80.3%</b>	<b>Asia Pacific</b>
호주	2.8	4.8	7.2	10.5	12.0	11.7	11.7	11.8	6.5%	Australia
중국	13.0	22.6	29.6	69.7	80.5	91.3	93.4	94.5	51.8%	China
인도	2.7	4.5	6.4	10.6	12.6	15.0	16.8	18.1	9.9%	India
인도네시아	0.0	0.3	1.9	6.3	11.8	14.0	15.7	17.0	9.3%	Indonesia
일본	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0%	Japan
몽골	0.1	0.1	0.1	0.5	0.8	0.7	1.6	2.0	1.1%	Mongolia
뉴질랜드	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0%	New Zealand
파키스탄	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.2%	Pakistan
한국	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0%	South Korea
태국	0.0	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1%	Thailand
베트남	0.1	0.1	0.3	1.1	1.0	1.2	1.1	1.0	0.6%	Vietnam
기타아시아태평양	1.2	1.2	0.8	1.0	1.3	1.4	1.4	1.4	0.8%	Other Asia Pacific

주: 상업용 연료

Note: Commercial solid fuels only

자료: Energy Institute, 2025 Statistical Review of World Energy

Source: Energy Institute, 2025 Statistical Review of World Energy

## 1-14. 국가별 석탄 소비

## 1-14. Coal Consumption by Country

단위: 엑사줄

Unit: Exajoules

	1980	1990	2000	2010	2020	2022	2023	2024	점유율 Share	
<b>세계</b>	<b>75.2</b>	<b>93.3</b>	<b>98.8</b>	<b>151.3</b>	<b>152.3</b>	<b>161.7</b>	<b>163.1</b>	<b>165.1</b>	<b>100.0%</b>	<b>World</b>
OECD	40.7	45.7	46.5	46.1	27.7	29.2	25.4	24.4	14.8%	OECD
비OECD	34.5	47.7	52.3	105.2	124.6	132.5	137.8	140.7	85.2%	Non-OECD
<b>북미</b>	<b>16.5</b>	<b>20.5</b>	<b>24.2</b>	<b>22.4</b>	<b>10.0</b>	<b>10.5</b>	<b>8.8</b>	<b>8.5</b>	<b>5.1%</b>	<b>North America</b>
캐나다	0.9	1.1	1.3	1.0	0.5	0.4	0.4	0.3	0.2%	Canada
멕시코	0.1	0.1	0.3	0.5	0.2	0.2	0.3	0.3	0.2%	Mexico
미국	15.5	19.2	22.6	20.9	9.2	9.9	8.2	7.9	4.8%	US
<b>중남미</b>	<b>0.5</b>	<b>0.7</b>	<b>0.9</b>	<b>1.2</b>	<b>1.3</b>	<b>1.3</b>	<b>1.2</b>	<b>1.1</b>	<b>0.7%</b>	<b>S. &amp; Cent. America</b>
브라질	0.2	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.3%	Brazil
칠레	0.0	0.1	0.1	0.2	0.3	0.2	0.1	0.1	0.1%	Chile
콜롬비아	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1%	Colombia
<b>유럽</b>	<b>21.3</b>	<b>24.0</b>	<b>16.6</b>	<b>15.3</b>	<b>9.6</b>	<b>9.9</b>	<b>8.2</b>	<b>7.6</b>	<b>4.6%</b>	<b>Europe</b>
불가리아	0.4	0.3	0.3	0.3	0.2	0.3	0.2	0.1	0.1%	Bulgaria
체코	1.6	1.2	0.9	0.8	0.5	0.6	0.5	0.4	0.2%	Czech Republic
프랑스	1.4	0.8	0.6	0.5	0.2	0.2	0.2	0.2	0.1%	France
독일	5.9	5.5	3.6	3.2	1.9	2.3	1.8	1.6	1.0%	Germany
네덜란드	0.2	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.1%	Netherlands
폴란드	4.3	3.3	2.4	2.3	1.7	1.8	1.5	1.3	0.8%	Poland
튀르키예	0.3	0.7	0.9	1.3	1.7	1.8	1.7	1.8	1.1%	Turkey
우크라이나	-	3.5	1.6	1.6	1.0	0.4	0.4	0.4	0.2%	Ukraine
영국	3.0	2.7	1.5	1.3	0.2	0.2	0.2	0.2	0.1%	United Kingdom
<b>CIS</b>	<b>14.1</b>	<b>9.6</b>	<b>5.3</b>	<b>5.3</b>	<b>4.9</b>	<b>5.5</b>	<b>5.6</b>	<b>5.6</b>	<b>3.4%</b>	<b>CIS</b>
카자흐스탄	-	1.6	0.7	1.4	1.4	1.4	1.5	1.5	0.9%	Kazakhstan
러시아	-	7.6	4.4	3.8	3.3	3.8	3.8	3.7	2.3%	Russian Federation
우즈베키스탄	-	0.1	0.0	0.0	0.1	0.1	0.2	0.2	0.1%	Uzbekistan
<b>중동</b>	<b>0.1</b>	<b>0.1</b>	<b>0.3</b>	<b>0.4</b>	<b>0.4</b>	<b>0.4</b>	<b>0.3</b>	<b>0.4</b>	<b>0.2%</b>	<b>Middle East</b>
이스라엘	0.0	0.1	0.3	0.3	0.2	0.2	0.1	0.1	0.1%	Israel
<b>아프리카</b>	<b>2.0</b>	<b>3.2</b>	<b>3.5</b>	<b>4.2</b>	<b>4.3</b>	<b>4.1</b>	<b>4.2</b>	<b>4.3</b>	<b>2.6%</b>	<b>Africa</b>
모로코	0.0	0.0	0.1	0.1	0.3	0.3	0.3	0.3	0.2%	Morocco
남아공	1.8	2.8	3.1	3.9	3.7	3.4	3.4	3.5	2.1%	South Africa
<b>아시아-태평양</b>	<b>20.8</b>	<b>35.2</b>	<b>48.1</b>	<b>102.4</b>	<b>122.0</b>	<b>130.0</b>	<b>134.7</b>	<b>137.6</b>	<b>83.4%</b>	<b>Asia Pacific</b>
호주	1.2	1.6	2.1	2.2	1.7	1.5	1.5	1.5	0.9%	Australia
방글라데시	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.3	0.2%	Bangladesh
중국	12.7	22.1	29.6	73.2	84.2	87.8	90.7	92.2	55.8%	China
홍콩	0.0	0.2	0.2	0.3	0.1	0.2	0.1	0.1	0.1%	China Hong Kong SAR
인도	2.4	4.6	6.9	12.1	17.0	20.0	22.1	23.0	13.9%	India
인도네시아	0.0	0.1	0.6	1.5	2.8	4.4	4.3	4.7	2.9%	Indonesia
일본	2.4	3.3	4.0	4.9	4.6	4.9	4.5	4.5	2.7%	Japan
말레이시아	0.0	0.1	0.1	0.6	1.0	1.0	1.0	1.1	0.7%	Malaysia
파키스탄	0.0	0.1	0.1	0.2	0.6	0.5	0.5	0.4	0.3%	Pakistan
필리핀	0.0	0.1	0.2	0.3	0.7	0.8	0.9	1.0	0.6%	Philippines
한국	0.6	1.1	1.9	3.3	3.2	3.1	3.0	2.9	1.7%	South Korea
대만	0.2	0.5	1.2	1.6	1.6	1.6	1.5	1.4	0.9%	Taiwan
태국	0.0	0.2	0.3	0.6	0.8	0.7	0.6	0.6	0.4%	Thailand
베트남	0.1	0.1	0.2	0.6	2.2	1.9	2.3	2.5	1.5%	Vietnam

주: 상업용 연료

Note: Commercial solid fuels only

자료: Energy Institute, 2025 Statistical Review of World Energy

Source: Energy Institute, 2025 Statistical Review of World Energy



## 1-15. 국가별 원자력 소비

## 1-15. Nuclear Energy Consumption by Country

단위: 엑사줄

Unit: Exajoules

	1980	1990	2000	2010	2020	2022	2023	2024	점유율 Share	
<b>세계</b>	<b>7.8</b>	<b>21.8</b>	<b>28.2</b>	<b>30.2</b>	<b>29.3</b>	<b>29.2</b>	<b>29.9</b>	<b>30.7</b>	<b>100.0%</b>	<b>World</b>
OECD	6.8	18.9	24.5	25.1	20.4	19.5	20.0	20.5	66.8%	OECD
비OECD	1.0	2.9	3.6	5.1	8.9	9.7	9.9	10.2	33.2%	Non-OECD
<b>북미</b>	<b>3.3</b>	<b>7.4</b>	<b>9.5</b>	<b>10.3</b>	<b>10.3</b>	<b>9.9</b>	<b>10.0</b>	<b>10.0</b>	<b>32.7%</b>	<b>North America</b>
캐나다	0.4	0.8	0.8	1.0	1.1	0.9	1.0	0.9	3.0%	Canada
멕시코	-	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.4%	Mexico
미국	2.9	6.6	8.7	9.3	9.1	8.9	8.9	9.0	29.2%	US
<b>중남미</b>	<b>0.0</b>	<b>0.1</b>	<b>0.1</b>	<b>0.2</b>	<b>0.3</b>	<b>0.2</b>	<b>0.3</b>	<b>0.3</b>	<b>0.9%</b>	<b>S. &amp; Cent. America</b>
아르헨티나	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4%	Argentina
브라질	-	0.0	0.1	0.2	0.2	0.2	0.2	0.2	0.6%	Brazil
<b>유럽</b>	<b>2.6</b>	<b>9.8</b>	<b>11.4</b>	<b>11.3</b>	<b>9.1</b>	<b>8.1</b>	<b>8.0</b>	<b>8.4</b>	<b>27.2%</b>	<b>Europe</b>
벨기에	0.1	0.5	0.5	0.5	0.4	0.5	0.4	0.3	1.1%	Belgium
불가리아	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6%	Bulgaria
체코	-	0.1	0.1	0.3	0.3	0.3	0.3	0.3	1.1%	Czech Republic
핀란드	0.1	0.2	0.2	0.2	0.3	0.3	0.4	0.4	1.2%	Finland
프랑스	0.7	3.4	4.5	4.7	3.9	3.2	3.7	4.2	13.5%	France
독일	0.6	1.7	1.9	1.5	0.7	0.4	0.1	-	0.0%	Germany
헝가리	-	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.6%	Hungary
이탈리아	0.0	-	-	-	-	-	-	-	0.0%	Italy
리투아니아	-	0.2	0.1	-	-	-	-	-	0.0%	Lithuania
네덜란드	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1%	Netherlands
루마니아	-	-	0.1	0.1	0.1	0.1	0.1	0.1	0.4%	Romania
슬로바키아	0.0	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.6%	Slovakia
슬로베니아	-	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2%	Slovenia
스페인	0.1	0.6	0.7	0.7	0.6	0.6	0.6	0.6	1.9%	Spain
스웨덴	0.3	0.7	0.6	0.6	0.5	0.6	0.5	0.6	1.8%	Sweden
스위스	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8%	Switzerland
우크라이나	-	0.8	0.8	1.0	0.8	0.7	0.6	0.6	1.9%	Ukraine
영국	0.4	0.7	0.9	0.7	0.5	0.5	0.4	0.4	1.4%	United Kingdom
<b>CIS</b>	<b>0.8</b>	<b>1.3</b>	<b>1.4</b>	<b>1.9</b>	<b>2.4</b>	<b>2.5</b>	<b>2.5</b>	<b>2.6</b>	<b>8.3%</b>	<b>CIS</b>
벨라루스	-	-	-	-	0.0	0.1	0.1	0.2	0.6%	Belarus
러시아	-	1.3	1.4	1.9	2.4	2.4	2.4	2.4	7.7%	Russian Federation
<b>중동</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.1</b>	<b>0.3</b>	<b>0.4</b>	<b>0.5</b>	<b>1.7%</b>	<b>Middle East</b>
이란	-	-	-	-	0.1	0.1	0.1	0.1	0.3%	Iran
아랍에미리트	-	-	-	-	0.0	0.2	0.4	0.4	1.4%	United Arab Emirates
<b>아프리카</b>	<b>-</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.3%</b>	<b>Africa</b>
남아공	-	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3%	South Africa
<b>아시아·태평양</b>	<b>1.1</b>	<b>3.1</b>	<b>5.5</b>	<b>6.4</b>	<b>7.1</b>	<b>8.0</b>	<b>8.5</b>	<b>8.9</b>	<b>28.9%</b>	<b>Asia Pacific</b>
중국	-	-	0.2	0.8	4.0	4.6	4.7	4.9	16.0%	China
인도	0.0	0.1	0.2	0.3	0.5	0.5	0.5	0.6	1.9%	India
일본	0.9	2.1	3.5	3.2	0.5	0.6	0.8	0.9	3.0%	Japan
파키스탄	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.8%	Pakistan
한국	0.0	0.6	1.2	1.6	1.7	1.9	2.0	2.1	6.7%	South Korea
대만	0.1	0.4	0.4	0.5	0.3	0.3	0.2	0.1	0.4%	Taiwan

자료: Energy Institute, 2025 Statistical Review of World Energy

Source: Energy Institute, 2025 Statistical Review of World Energy

## 1-16. 국가별 신재생에너지 소비

## 1-16. Renewable Energy Consumption by Country

단위: 엑사줄

Unit: Exajoules

	1980	1990	2000	2010	2020	2022	2023	2024	점유율 Share	
<b>세계</b>	<b>7.2</b>	<b>10.4</b>	<b>13.5</b>	<b>22.0</b>	<b>38.3</b>	<b>43.0</b>	<b>45.3</b>	<b>48.8</b>	<b>100.0%</b>	<b>World</b>
OECD	4.8	6.3	7.8	11.8	18.4	19.8	20.5	21.4	43.9%	OECD
비OECD	2.5	4.0	5.7	10.2	19.9	23.2	24.8	27.3	56.1%	Non-OECD
<b>북미</b>	<b>2.5</b>	<b>3.5</b>	<b>4.0</b>	<b>5.4</b>	<b>7.5</b>	<b>8.3</b>	<b>8.4</b>	<b>8.7</b>	<b>17.9%</b>	<b>North America</b>
캐나다	0.9	1.1	1.4	1.4	1.7	1.8	1.7	1.7	3.4%	Canada
멕시코	0.1	0.3	0.3	0.4	0.4	0.5	0.4	0.4	0.9%	Mexico
미국	1.4	2.2	2.2	3.6	5.3	6.0	6.2	6.7	13.6%	US
<b>중남미</b>	<b>0.9</b>	<b>1.7</b>	<b>2.5</b>	<b>3.8</b>	<b>5.0</b>	<b>5.3</b>	<b>5.6</b>	<b>5.8</b>	<b>11.8%</b>	<b>S. &amp; Cent. America</b>
아르헨티나	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.5%	Argentina
브라질	0.6	1.1	1.5	2.4	3.2	3.4	3.6	3.7	7.7%	Brazil
칠레	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.6%	Chile
콜롬비아	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.6%	Colombia
베네수엘라	0.1	0.1	0.2	0.3	0.2	0.2	0.3	0.3	0.5%	Venezuela
<b>유럽</b>	<b>1.9</b>	<b>2.1</b>	<b>2.9</b>	<b>5.3</b>	<b>8.8</b>	<b>9.0</b>	<b>9.5</b>	<b>10.0</b>	<b>20.4%</b>	<b>Europe</b>
오스트리아	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.6%	Austria
핀란드	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.5%	Finland
프랑스	0.3	0.2	0.3	0.4	0.6	0.6	0.7	0.7	1.5%	France
독일	0.1	0.1	0.2	0.7	1.4	1.4	1.5	1.5	3.1%	Germany
아이슬란드	0.0	0.0	0.1	0.2	0.3	0.3	0.3	0.3	0.5%	Iceland
이탈리아	0.3	0.2	0.3	0.6	0.8	0.7	0.8	0.8	1.7%	Italy
네덜란드	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.3	0.6%	Netherlands
노르웨이	0.3	0.4	0.5	0.4	0.6	0.5	0.6	0.6	1.2%	Norway
폴란드	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.3	0.6%	Poland
포르투갈	0.0	0.0	0.1	0.1	0.2	0.1	0.2	0.2	0.4%	Portugal
스페인	0.1	0.1	0.1	0.5	0.6	0.6	0.7	0.7	1.5%	Spain
스웨덴	0.2	0.3	0.3	0.4	0.5	0.6	0.6	0.5	1.1%	Sweden
스위스	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.4%	Switzerland
튀르키예	0.0	0.1	0.1	0.2	0.8	0.9	0.9	1.0	2.1%	Turkey
영국	0.0	0.0	0.1	0.2	0.8	0.8	0.8	0.9	1.9%	United Kingdom
<b>CIS</b>	<b>0.7</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<b>1.1</b>	<b>2.2%</b>	<b>CIS</b>
러시아	-	0.6	0.6	0.6	0.8	0.8	0.8	0.8	1.7%	Russian Federation
<b>중동</b>	<b>0.0</b>	<b>0.1</b>	<b>0.0</b>	<b>0.1</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.3</b>	<b>0.6%</b>	<b>Middle East</b>
이란	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2%	Iran
<b>아프리카</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.5</b>	<b>0.9</b>	<b>1.0</b>	<b>1.1</b>	<b>1.1</b>	<b>2.2%</b>	<b>Africa</b>
이집트	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2%	Egypt
남아공	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2%	South Africa
<b>아시아-태평양</b>	<b>1.2</b>	<b>1.9</b>	<b>3.0</b>	<b>6.2</b>	<b>15.0</b>	<b>18.3</b>	<b>19.4</b>	<b>21.9</b>	<b>44.8%</b>	<b>Asia Pacific</b>
호주	0.1	0.1	0.1	0.1	0.3	0.3	0.4	0.4	0.8%	Australia
중국	0.2	0.5	0.8	3.1	9.0	11.1	12.0	13.9	28.5%	China
인도	0.2	0.2	0.3	0.6	1.3	1.6	1.6	1.8	3.6%	India
인도네시아	0.0	0.1	0.2	0.4	1.1	1.3	1.4	1.5	3.0%	Indonesia
일본	0.4	0.5	0.6	0.7	1.0	1.1	1.2	1.3	2.6%	Japan
말레이시아	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4%	Malaysia
뉴질랜드	0.1	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.9%	New Zealand
필리핀	0.1	0.2	0.4	0.4	0.5	0.5	0.5	0.5	1.0%	Philippines
한국	0.0	0.0	0.0	0.0	0.3	0.4	0.4	0.4	0.8%	South Korea
태국	0.0	0.0	0.0	0.1	0.3	0.3	0.3	0.3	0.6%	Thailand
베트남	0.0	0.0	0.1	0.1	0.3	0.5	0.4	0.5	1.0%	Vietnam

자료: Energy Institute, 2025 Statistical Review of World Energy

Source: Energy Institute, 2025 Statistical Review of World Energy

## 1-17. 국가별 수력 소비

## 1-17. Hydro Energy Consumption by Country

단위: 엑사줄

Unit: Exajoules

	1980	1990	2000	2010	2020	2022	2023	2024	점유율 Share	
<b>세계</b>	<b>6.2</b>	<b>7.8</b>	<b>9.5</b>	<b>12.3</b>	<b>15.7</b>	<b>15.6</b>	<b>15.3</b>	<b>16.0</b>	<b>100.0%</b>	<b>World</b>
OECD	4.0	4.4	5.0	5.1	5.4	5.0	5.0	5.2	32.3%	OECD
비OECD	2.2	3.3	4.5	7.3	10.3	10.6	10.3	10.8	67.7%	Non-OECD
<b>북미</b>	<b>2.0</b>	<b>2.2</b>	<b>2.4</b>	<b>2.3</b>	<b>2.5</b>	<b>2.5</b>	<b>2.2</b>	<b>2.2</b>	<b>13.6%</b>	<b>North America</b>
캐나다	0.9	1.1	1.3	1.3	1.4	1.4	1.3	1.2	7.7%	Canada
멕시코	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5%	Mexico
미국	1.0	1.1	1.0	0.9	1.0	0.9	0.9	0.9	5.4%	US
<b>중남미</b>	<b>0.7</b>	<b>1.3</b>	<b>2.0</b>	<b>2.5</b>	<b>2.5</b>	<b>2.7</b>	<b>2.7</b>	<b>2.6</b>	<b>16.5%</b>	<b>S. &amp; Cent. America</b>
아르헨티나	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.7%	Argentina
브라질	0.5	0.7	1.1	1.5	1.4	1.5	1.5	1.5	9.3%	Brazil
칠레	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.6%	Chile
콜롬비아	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	1.2%	Colombia
에콰도르	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.5%	Ecuador
페루	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.7%	Peru
베네수엘라	0.1	0.1	0.2	0.3	0.2	0.2	0.3	0.3	1.6%	Venezuela
<b>유럽</b>	<b>1.6</b>	<b>1.8</b>	<b>2.2</b>	<b>2.3</b>	<b>2.4</b>	<b>2.0</b>	<b>2.3</b>	<b>2.5</b>	<b>15.7%</b>	<b>Europe</b>
오스트리아	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	1.0%	Austria
프랑스	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	1.6%	France
독일	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5%	Germany
이탈리아	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.2	1.2%	Italy
노르웨이	0.3	0.4	0.5	0.4	0.5	0.5	0.5	0.5	3.1%	Norway
포르투갈	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.3%	Portugal
스페인	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.8%	Spain
스웨덴	0.2	0.3	0.3	0.2	0.3	0.3	0.2	0.2	1.5%	Sweden
스위스	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	1.0%	Switzerland
튀르키예	0.0	0.1	0.1	0.2	0.3	0.2	0.2	0.3	1.7%	Turkey
<b>CIS</b>	<b>0.7</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.9</b>	<b>0.9</b>	<b>0.9</b>	<b>1.0</b>	<b>6.0%</b>	<b>CIS</b>
러시아	-	0.6	0.6	0.6	0.8	0.7	0.7	0.8	4.7%	Russian Federation
기타CIS	-	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.8%	Other CIS
<b>중동</b>	<b>0.0</b>	<b>0.1</b>	<b>0.0</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.5%</b>	<b>Middle East</b>
이란	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4%	Iran
<b>아프리카</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.4</b>	<b>0.5</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>3.8%</b>	<b>Africa</b>
이집트	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.3%	Egypt
<b>아시아-태평양</b>	<b>1.0</b>	<b>1.4</b>	<b>1.9</b>	<b>4.0</b>	<b>6.7</b>	<b>6.9</b>	<b>6.5</b>	<b>7.0</b>	<b>43.8%</b>	<b>Asia Pacific</b>
중국	0.2	0.5	0.8	2.6	4.8	4.7	4.4	4.9	30.4%	China
인도	0.2	0.2	0.3	0.4	0.6	0.6	0.5	0.6	3.5%	India
인도네시아	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.6%	Indonesia
일본	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.8%	Japan
말레이시아	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.8%	Malaysia
뉴질랜드	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5%	New Zealand
파키스탄	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.9%	Pakistan
한국	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1%	South Korea
베트남	0.0	0.0	0.1	0.1	0.3	0.3	0.3	0.3	2.0%	Vietnam

자료: Energy Institute, 2025 Statistical Review of World Energy

Source: Energy Institute, 2025 Statistical Review of World Energy







[illegible]









## A. 에너지 단위

- **리터(l, Liter)** : 부피의 단위로 1리터는 1,000세제곱센티미터( $\text{cm}^3$ )와 동일함.
- **배럴(bbl, Barrel)** : 석유용량의 단위지만 본래는 '중간이 부푼 나무 용기'를 의미. 미국 펜실베이니아주의 에드윈 드레이크(Edwin L. Drake)가 1859년 처음으로 석유의 기계 채유에 성공해 배럴이라는 나무통에 채워 판매한데서 유래하여 현재 국제 원유거래에서 이용되고 있음. 현재 1배럴=42갤런이며, 환산율은 1배럴=42갤런=5.6146 $\text{ft}^3$ = 159 l
- **석유환산톤(toe, Ton of Oil Equivalent)** : 에너지 원별로 상이하게 표기되는 에너지 단위를 통합하여 표기할 수 있도록 원유 1톤이 연소할 때 발열량을 기준으로 정의함. 1toe는 10<sup>7</sup>kcal임.
- **와트(W, Watt)** : 단위 시간동안 공급되는 전기 에너지를 나타내는 단위.
- **와트아워(Wh, Watt-hour)** : 전력량의 단위로, 일정시간 동안에 공급 혹은 소비한 전력의 양을 나타냄.
- **줄(J, Joule)** : 에너지, 일, 열량의 정도를 나타내는 기본 단위로 1J=0.239cal
- **톤(t, Tonne)** : 1톤(t)은 1메트릭톤(Metric Ton), 1,000kg과 같은 개념이며, 에너지통계의 고유단위로 사용함.

## B. 간이밸런스 용어

### 1. 에너지밸런스 종류

#### ■ 확장밸런스 (Extended balance)

확장밸런스 국가 에너지 상품의 수급 흐름을 나타내는 기준 밸런스로, 일 년을 대상 기간으로 추가적인 조사 자료를 이용하여 우리나라 에너지 상품의 수급 흐름을 상세하고 정확하게 표현함. 따라서 우리나라의 공식적인 연간 에너지 상품 수급 수치는 확장밸런스를 통해 확정됨.

#### ■ 간이밸런스 (Simple balance)

간이밸런스는 한 달을 집계 대상 기간으로 에너지 상품의 수급 추이를 신속히 파악하여 통계를 제공하기 위해 작성됨. 에너지통계연보와 에너지통계월보는 간이밸런스를 기준으로 작성됨.

### 2. 간이밸런스의 행 구조

에너지 상품의 흐름은 에너지 상품의 초기 출현에서 최종소비로 사라지는 과정을 표현하며, 에너지 밸런스의 종축에 표시함. 에너지 상품의 흐름은 공급, 전환 공정, 에너지 산업 자체소비, 최종소비로 구분할 수 있음.

## ■ 국내생산 (Production)

국내생산은 국내 및 배타적 경제수역 내에 있는 지하 또는 지상 매장지에서 일차 화석 연료를 채굴하거나, 물, 바람, 태양 등으로부터 재생에너지를 포획하는 것, 바이오 연료를 추출하는 것을 포함함. 단, 국내생산 또는 수입한 에너지 상품을 국내에서 전환하여 제조·생산한 연료는 국내생산이 아니라 에너지 전환에 포함됨.

## ■ 수입 (Imports)

수입은 해외에서 채굴·채취한 에너지 상품 또는 해외에서 전환·제조된 에너지 상품이면서 국내에 수송되어 공급된 에너지 상품을 의미함. 수입된 공업 제품에 포함되어 있는 에너지 상품은 해당 제품을 에너지원으로 다시 전환하여 이용할 목적으로 수입한 경우만 에너지 수입에 포함함. 따라서 원자력 발전의 경우 생산된 일차 열을 국내생산으로 취급하며, 핵 연료의 수입을 기입하지 않음.

## ■ 수출 (Exports)

수출은 국내에서 전환되거나 생산된 에너지 상품이면서 해외에 수송된 에너지 상품을 의미. 에너지 상품의 해외 수송을 위한 수송 수단에서 사용된 연료는 국제 병커링에 포함함. 에너지 상품의 국내 총공급을 구하기 위해서는 에너지 상품의 수출량을 삭감해야 함. 이를 위해 에너지 상품의 수출은 음의 부호로 표시되며, 공급에서 차감됨.

## ■ 국제해운병커링 (International marine bunkers)

국가 사이를 운항 중인 선박에서 소비하는 석유는 화물의 일부가 아니라 연료로 사용되는 것으로, 국적에 상관없이 국제해운병커링에 포함됨. 국제 항해를 하는 해군 선박에 공급되는 석유도 국제해운병커링에 해당됨. 하지만 원양 어선의 연료로 사용되는 석유는 국제해운병커링이 아니라 최종소비의 어업에 포함됨.

## ■ 국제항공병커링 (International aviation bunkers)

국가 사이를 운항 중인 항공기에서 소비하는 석유는 항공기의 국적과 상관없이 국제항공병커링에 포함됨.

## ■ 재고변화 (Stocks changes)

재고변화는 기초 및 기말재고 수준의 차이임. 재고 감소는 공급의 증가 요인이므로 양의 부호로 표현하고, 재고 증가는 반대로 음의 부호로 표현함. 즉, 재고 변동은 기초재고에서 기말재고를 뺀 수치임.

## 일차에너지공급 (Total primary energy supply)

일차에너지공급은 국내 자연자원에서의 생산을 비롯하여 경제 외부로부터 공급된 에너지 상품 흐름의 합계를 말함. 여기서 일차는 '초기' 공급의 개념으로 일차에너지 상품과 이차에너지 상품을 모두 포함함. 에너지 상품은 국내생산, 수입, 수출, 국제해운병커링, 국제항공병커링, 재고증감 등의 '공급원(Source of supply)'을 통해 한 국가에 공급되며 이들의 합계가 바로 일차에너지공급이 됨.

## ■ 제품이동 (Transfers between commodities)

제품이동은 주로 에너지 상품의 재분류에서 발생하는데, 이는 상품의 특성이 맞지 않아 낮은 등급의 다른 상품으로 재분류되는 경우를 의미함.

## 통계오차 (Statistical difference)

에너지 상품의 총공급과 총수요의 차이, 또는 제품 이동을 고려한 일차에너지공급과 일차에너지소비의 차이.

### 일차에너지소비 (Total primary energy consumption)

일차에너지소비는 경제 내부에서 발생하는 에너지 상품 흐름의 합계. 즉, 에너지 전환을 위한 에너지 상품의 투입 또는 산출, 에너지 산업을 포함한 모든 부문의 에너지 상품 소비, 공급과 소비 사이에 발생하는 손실을 합산한 소비량임.

### 전환공정 (Transformation processes)

전환공정이란 일차에너지 상품 또는 이차에너지 상품을 물리적 또는 화학적 방법으로 다른 이차에너지 상품으로 바꾸는 과정을 말함. 간이밸런스의 경우 발전전용, 열병합, 열전용은 사업자(전기·열 판매를 주 사업 목적으로 하는 사업체)만 해당함.

#### ■ 발전전용 (Electricity-only plants)

발전전용은 전기만 생산하는 곳으로, 만약 발전소 내의 한 개 또는 그 이상의 발전기가 열병합 발전기인 경우 그 발전소는 열병합 발전소로 간주됨.

#### ■ 열병합 (CHP plants)

열병합발전은 단일 플랜트에서 전기와 열을 동시에 생산하는 방식을 말함.

#### ■ 열전용 (Heat-only plants)

열전용은 열전용 보일러에서 연료를 투입하여 열을 생산, 판매하는 공정을 말함.

#### ■ 석유제품생산 (Petroleum products)

석유제품생산은 원유, 정제원료 등이 투입되어 휘발유, 경유 등의 석유제품이 생산되는 공정으로, 석유제품생산에는 정유사의 정제 산출량과 석유화학사의 부산물로서 정제에 사용한 연료량이 포함됨. 반면, 석유화학사에서 반제품 처리를 통해 석유제품을 제조하는 공정은 간이밸런스 상에서 석유화학산업 최종소비에 해당됨.

#### ■ 가스제조 (Gas manufacturing (transf.))

가스제조는 일반 수요자에게 배관망을 통해 도시가스를 공급하는 사업을 위해 천연가스를 기화하고 열량을 조절하는 것(도시가스 제조)을 말함. 도시가스 제조에는 제조 원료로 천연가스 및 열량조절용 LPG가 투입됨. 단, 간이 가스 사업의 경우 LPG 소매의 형태로 취급하여 가스제조에 포함하지 않음.

#### ■ 석탄합성가스제조 (Coal-to-gas plants (transf.))

석탄가스화 복합발전(Integrated Gasification Combined Cycle, IGCC)용 석탄합성가스가 투입되어 전기가 생산되는 공정.

#### ■ 기타전환 (Non-specified transformation (transf.))

연료전지용 수소가 투입되어 전기가 생산되는 공정.

### 전환자체소비(Transformation own use)

전환자체소비 또는 에너지산업자체소비는 연료의 추출 및 전환 또는 에너지 생산 플랜트에서 여러가지 활동을 유지하는데 사용되는 양으로, 다른 에너지 상품으로 전환되는 것이 아니라 에너지 계정에서 사라진다는 점에서 에너지 전환 공정과는 구별됨. 또한 최종소비 부문의 산업부문에서 산업 활동을 위한 에너지소비와도 구분됨.

## 손실 (Losses)

밸런스의 손실은 에너지 부문과 구별되며, 에너지 상품을 생산지에서 소비지로 유통하는 과정에서 발생한 손실을 의미함. 전기나 가스와 같이 유통망과 관련된 송배전 손실이 대표적인 사례이며, 고로가스 및 코크스로 가스를 배송하거나 파이프라인을 통해 석유제품을 유통시키는 경우에도 발생함. 우리나라의 경우 고로 가스 및 코크스로 가스는 일관제철소의 단일 사업장에서 사용하는 경우가 대부분이며, 석유제품의 파이프라인 수송 또는 도로 수송에서 발생하는 손실은 보고되지 않기 때문에 석탄 가스 및 석유제품의 유통 손실은 대부분 통계오차에 포함되는 것으로 추정됨.

## 최종소비 (Total final consumption)

최종소비 부분은 에너지 상품이 아닌 제품의 생산 또는 활동을 위해 에너지 상품이 연료 또는 비에너지의 목적으로 최종소비되는 부분임. 에너지 상품은 최종소비 부분에서 모두 소비되는 것으로 간주되기 때문에 에너지 계정에서 사라짐.

### ■ 산업 (Industry)

산업부문은 기업의 생산활동을 목적으로 한 연료 소비를 표현함. 여기서 생산활동은 생산 공정뿐만 아니라 생산을 위한 지원 설비, 즉 조명, 공조, 난방 등의 연료 소비를 포함함. 반면, 건설 및 산업용 이동 장비가 공도(public road)에서 사용한 연료 소비는 구별 가능한 경우 수송부문에 포함해야 함.

산업부문의 하위 분류는 한국표준산업분류체계를 따름.

- 농림업 (Agriculture & Forestry)
- 어업 (Fishing): 원양어선을 포함한 모든 어선의 소비
- 광업 (Mining & Quarrying)
- 제조업 (Manufacturing): 식품 및 담배 (Food and tobacco), 섬유 및 가죽 (Textile and leather), 목재 및 나무제품 (Wood and wood products), 제지 및 인쇄(Paper, pulp and print), 화학 및 석유화학 (Chemical and petrochemical), 비금속광물 (Non-metallic minerals), 철강 (Iron and steel), 비철금속 (Non-ferrous metals), 기계류 (Machinery), 수송장비 (Transport equipment), 기타제조 (Other manufacturing), 기타에너지(Other energy)
- 건설업 (Construction)

### ■ 수송 (Transport)

수송부문은 수송을 목적으로 한 이동 수단의 연료 소비를 포함. 따라서 수송 업체의 수송 목적 이외의 연료 소비는 서비스 부문에 포함. 하지만 건설 및 산업용 이동 장비가 건설 현장 및 산업체 외부로 이동할 경우 수송부문에 포함.

- 철도 (Rail)
- 도로 (Road)
- 국내해운 (Domestic navigation): 국내 노선의 해운 연료 소비
- 국내항공 (Domestic aviation): 국내선 항공 연료 소비

### ■ 가정 (Residential)

가정부문은 가구 내에서 취사, 냉난방, 온수 등의 용도로 사용되는 연료의 소비를 포함.

### ■ 상업·공공 (Commercial & Public services)

상업 및 공공부문은 영업 및 업무 용도 또는 공공 서비스에서 사용되는 연료의 소비를 포함함. 농림업, 어업, 광업, 제조업, 건설업, 수송 및 가정 부문을 제외한 서비스 부문이 이에 속함.

### 3. 간이밸런스의 열 구조

#### 석탄 및 석탄제품 (Coal)

##### ■ 무연탄 (Anthracite)

- 국내무연탄 (Domestic-c): 우리나라에서 생산된 무연탄으로 수입 무연탄보다 발열량이 낮음.
- 수입무연탄 (Import-c): 해외에서 수입해온 무연탄으로 국내 무연탄보다 발열량이 높음.

##### ■ 유연탄 및 기타석탄 (Bituminous and other coal)

- 원료탄 (Cocking coal): 코크스 제조용 원료로 사용되는 석탄임. 코크스용 원료탄은 강점결성 및 미점결성을 가지고 있는 석탄을 주로 이용하여 거의 전량 코크스로에서 건류, 분해되어 사용됨.
- 기타유연탄 (Other bituminous coal): 발전, 증기, 생산, 가열 등의 목적으로 직접 연소시켜 사용되는 유연탄임. 휘발분 함량 22% 미만 유연탄 및 기타로 수입되는 것을 기타유연탄으로 분류함.
- 아역청탄 (Sub-bituminous coal): 무연탄 및 유연탄을 제외한 그 밖의 석탄으로 분류되며, 기타유연탄에 비해 단위 열량이 낮은 석탄으로 주로 발전용으로 사용됨.
- 갈탄 (Lignite & Brown Coal): 석탄 종류 중 수분 함량이 많아 열량이 낮은 석탄으로 보통 갈색이나 흑갈색을 띰.
- 토탄 (Peat): 토탄은 현재 연료로 사용하지 않고 주로 농업이나 가정에서 토질 개선 등을 위해 사용.
- 고형연료 (Patent fuel): 연탄, 마젤탄, 기타 고형연료 등
- 코크스 (Coke oven coke): 흑화색의 딱딱한 다공질 덩어리로 철광석을 환원시켜 선철을 만들 때 사용하는 중요 원료.

#### 천연가스 (Natural gas)

천연가스란 지하에서 산출되는 광물성 가연 가스이며 정제에 의해 콘덴세이트를 제거함. 천연가스의 주 성분은 메탄이며 주로 발전용 연료와 난방 연료로 사용됨.

#### 도시가스 (City gas)

도시가스는 도시가스 회사에서 가정이나 기업체에 가스 배관망을 통해 판매하는 천연가스나 공기로 희석한 액화석유가스를 의미함. 액화석유가스를 용기로 공급하는 사업이나 특정 건물에 대형 가스 용기와 간단한 배관 시설로 공급하는 간이 가스 사업은 제외함.

#### 원유 및 정제원료 (Crude oil & Refinery feedstocks)

##### ■ 원유 (Crude oil)

원유는 지하 유층에서 액체 상태로 얻어지며 상당한 휘발성을 가진 탄화수소의 혼합물임. 정제 공정을 거쳐 생산되는 각종 석유제품의 원료로 사용되며, 원유가스화, 원유연소 등 직접 공업 원료나 연료로 사용되기도 함.

##### ■ 정제원료 (Refinery feedstocks)

정제 과정이나 석유화학의 납사분해설비(Naphtha Cracking Center, NCC) 및 정유 부문, BTX(Benzene, Toluene, Xylene) 공정에서 발생하는 반제품(reformate)으로 옥탄가가 높아 주로 휘발유를 생산하는데 투입됨.

##### ■ 첨가물 (Additives & Blending components)

첨가물은 첨가제와 산소성분으로 주로 휘발유의 옥탄가를 높이는 등 휘발유 제조에 사용됨.

##### ■ 기타탄화수소 (Other hydrocarbons)

기타탄화수소는 역청광물(합성원유, 세일오일, 역청샌드)에서 추출한 광물 석유나 석탄액화오일 등을 말함.

## 석유제품 (Petroleum)

### ■ 정제가스 (Refinery gas)

정제가스는 원유의 증류 및 석유제품의 처리 과정에서 발생하는 비응축 가스이며, 메탄과 에탄 등이 주 성분으로 정유 부문과 석유화학 부문에서 공정용 연료로 사용됨. 정제가스는 생산된 곳에서 공정 연료로만 사용될 수밖에 없기 때문에 국내외 거래는 없음.

### ■ 프로판 (Propane)

원유를 정제처리 하는 과정에서 얻어지는 액화석유가스(LPG)의 주성분으로 부탄과 함께 산업 부문에서 MA(maleic anhydride) 생산에 소요되는 합성가스를 생산하기 위해 투입됨. 또한 가정, 업무용 연료로도 많이 사용됨.

### ■ 부탄 (Butane)

프로판과 같이 LPG의 주성분으로 공업용 원료와 연료 및 자동차용 연료로 사용됨. 휘발유에 비해 세금이 낮기 때문에 택시나 승합용 차량에 많이 사용됨.

### ■ 휘발유 (Motor gasoline)

휘발유는 촉매를 이용하여 납사를 개질한 후 첨가제, 산소성분, 옥탄향상제 등을 혼합한 제품으로 육상수송용 연료로 사용됨. 휘발유 통제는 무연 휘발유와 유연 휘발유를 포함하고 있음.

### ■ 항공휘발유 (Aviation gasoline)

항공휘발유는 본질적으로 휘발유와 마찬가지로 성상을 가지고 있지만 사용 환경 및 운전 조건이 다르기 때문에 좁은 끓는점 범위와 높은 옥탄가 등 항공기의 피스톤 엔진에 사용하기 위한 특별한 기준에 따라 제조됨.

### ■ 휘발유형항공유 (Gasoline type jet fuel)

등유와 납사로 구성되며 항공기의 터빈동력에 사용되는 경질유임.

### ■ 등유형항공유 (Kerosene type jet fuel)

등유형 항공유는 등유 유분에 여러 가지 첨가제를 넣은 것으로 항공기의 터빈 동력에 사용되는 중질유임.

### ■ 등유 (Kerosene)

우리나라에서 등유는 주로 가정용 난방이나 취사, 석유발동기용 연료 또는 기계 세척, 페인트, 농약 등의 용제로 사용됨. 또한 노말파라핀 생산에 투입되는 등 산업용 연료나 석유화학의 원료로도 사용됨. 에너지 통계에서는 등유형 부생유도 포함함.

### ■ 경유 (Gas Oil, Diesel oil)

일반적으로 경유는 중간 제품과 최종 제품이 있는데, 중간 제품으로서의 경유는 상압증류탑에서 얻어지는 끓는점 220~340 °C의 유분인 경질경유와 감압증류탑에서 얻어지는 탑정 유분인 중질경유가 있음. 최종 제품으로서의 경유는 필요에 따라 경질경유를 탈황하여 생산하며 압축점화 엔진용 연료로 사용됨. 중질경유는 휘발유를 만드는 원료로 사용되거나 수소화탈황 공정을 거쳐 중유 생산을 위한 혼합 재료로 사용됨. 압축점화 엔진용 경유는 자동차, 건설기계, 철도용 소형고속엔진 등의 내연기관 연료로 사용됨.

### ■ B-A

경질중유(B-A)는 경유 유분 70%, 중질중유(B-C) 유분 30%를 혼합한 연료유임



## ■ B-B

중유(B-B)는 반대로 경유 유분 30%, 중질중유(B-C) 70%를 혼합시킨 연료유임

## ■ B-C

석유탄제의 마지막 단계에서 생산되는 중질중유는 근래 경질유에 대한 수요가 증가함에 따라 고도화시설에서 경질유로 전환시키는데, 이 과정에서 중유 투입량의 5%가 석유화학 기초화학원료인 프로필렌, 황, 황산으로 전환됨. 에너지통계에서는 중유형 부생유도 포함함.

## ■ 납사 (Naphtha)

납사는 우리나라에서 방향족(BTX 공정)과 올레핀(NCC 공정)을 생산하기 위해 투입하는 석유화학의 중요 원료임. 정유사가 자체 BTX 공장에서 방향족 탄화수소를 생산하는 경우 에너지 통계는 이를 석유화학공정으로 취급함. 납사를 증기분해하면 평균적으로 62% 정도가 기초화학제품으로 생산되고 나머지는 연료로만 사용할 수 있는 부생연료가 됨. 석유화학 부문은 부생연료의 상당 부분을 정제 부문으로 되돌려 보내고(타산업 유입), 일부는 부생유, 액화석유가스 등으로 가공하여 시판하고 나머지는 공정 연료로 자체 소비함. 공정 연료의 일부는 석유화학 산업에서 전기 생산이나 열병합 발전에 투입됨.

## ■ 용제 (White spirit & SBP)

용제는 납사 및 등유와 같은 범위의 증류 온도를 가진 정제중간유분으로 정의되며, 화학 공업의 원료로 사용되거나 페인트를 희석시키는데 사용됨. 에너지 통계에서는 용제를 만드는 원료를 의미함.

## ■ 윤활유 (Lubricants)

윤활유는 상압증류 유분이나 잔사유를 감압증류 및 수소 첨가하여 생산한 파라핀이 풍부한 탄화수소물로, 기계 전반의 회전이나 마찰 부분을 보호하는데 사용됨. 에너지 통계에서는 윤활기유와 윤활유의 합계로 작성함.

## ■ 아스팔트 (Bitumen)

아스팔트는 역청이라고도 하며, 콜로이드 구조를 갖는 검정색의 고체 또는 반고체 물질. 주로 도로포장용이나 방수가공용 등으로 사용됨.

## ■ 파라핀왁스 (Paraffin waxes)

파라핀왁스는 윤활유 성분 중의 하나로, 용제를 이용하여 윤활유를 디악싱할 때 추출되는 잔여물임. 주로 양초, 파라핀지, 방수제, 약용, 크레용원료 등으로 사용됨.

## ■ 석유코크 (Petroleum coke)

석유코크는 검정색의 고체 부산물로, 주로 석유제품을 크래킹하고 남은 타르나 피치 등의 잔여물을 지연 코킹(delayed coking) 또는 유동 코킹(fluid coking) 같은 공정으로 건류시켜 얻음. 석유화학 산업의 원료로도 소량 사용되고 있지만 주로 철강, 시멘트, 전력 산업에서 가격 경쟁력에 힘입어 기존 화석 연료를 대체하고 있음.

## ■ 기타석유제품 (Other oil products)

위에서 정의되지 않은 모든 석유제품으로 주로 프로필렌과 황의 생산량임.

### 원자력 (Nuclear)

원자력은 핵 연료의 핵분열에서 발생하는 열을 이용하여 증기를 생산하고 생산된 증기로 증기터빈을 가동하여 발전함. 에너지 통계에서는 핵 발전소에서 생산하는 증기는 전량 전기 생산에 투입되고 다른 용도로는 이용하지 않는 것으로 취급함.

### 수력 (Hydro)

수력은 발전기가 연결된 특수하게 설계된 터빈에 흐르는 물을 통과시켜 전기를 생산하는 발전방식임. 규모가 큰 경우 특별히 건설된 저수지에서 물을 공급하기도 하며, 작은 규모의 경우는 자연적인 물의 흐름을 이용하기도 함.

수력은 위치에너지를 이용하여 직접 전기를 생산하기 때문에 일차 전기 에너지에 해당됨. 그러나 전기 사용이 적은 시간대에 전기를 이용하여 낮은 지역의 강이나 호수에서 물을 끌어올려 특별한 저수지에 담아두고 이를 전기 수요가 많은 시간대에 흘려 보내 전기를 생산하는 양수 발전량은 제외함.

### 바이오 및 폐기물 (Renewables & Other Source)

산업폐기물, 도시폐기물\_재생, 도시폐기물\_비재생, 고형바이오매스, 바이오가스, 매립지가스, 바이오휘발유, 바이오경유, 기타 바이오연료, 목탄의 합계.

### 지열, 태양 및 기타 (Geothermal, solar, etc.)

지열, 태양광, 태양열, 해양, 풍력의 합계.

### 기타에너지원 (Other Source)

기타에너지원의 대표적인 예로 연료전지가 있음. 연료전지는 연료(주로 수소)와 산화제(주로 산소)를 전기화학적으로 반응시켜 그 반응 에너지를 전기로 변환하는 직류발전장치임.

### 전기 (Electricity)

전기는 석탄, 천연가스, 석유, 폐자원 같은 가연성 연료의 연소를 통해 생산하거나 핵분열, 지열, 태양열 같은 열을 이용하여 생산하는 이차 전기 에너지와 수력, 풍력, 태양광 등과 같은 자연자원에서 얻는 일차 전기 에너지로 구분할 수 있음. 생산된 전기 에너지는 국내 또는 국제 송배전망을 통해 최종소비자에게 전달됨.

### 열 (Heat)

전기와 마찬가지로 에너지 캐리어의 한 형태인 열은 주로 난방 및 산업 공정 용도로 사용됨. 열 역시 이차에너지 상품인 동시에 일차에너지 상품이기도 한데, 지열이나 태양열 같이 자연에서 얻는 경우 '일차 열'이라 하고 핵연료의 핵분열, 석탄, 천연가스, 석유, 바이오매스 및 폐자원 같은 일차 가연성 연료를 연소시켜 생산하는 경우 '이차 열'이라고 함. 열은 산업용의 경우 비교적 높은 온도의 증기 상태로 공급되며 난방용의 경우 100℃ ~ 120℃의 중온수로 공급됨.

### 총에너지 (Total of all energy)

모든 에너지 상품의 합계.

### 메모: 신재생 (Memo: New and renewables)

2019년 10월 1일 개정 시행 이전의 「신에너지 및 재생에너지 개발·이용·보급 촉진법」에 따른 신재생에너지의 합계.

## C. 기타 에너지 용어

**냉난방도일(Heating and cooling degree days)** : 매일의 일평균기온과 기준 온도의 차이를 일별로 누적하여, 일평균기온이 24℃ 보다 높은 경우는 냉방도일로, 18℃보다 낮은 경우는 난방도일로 계산함.

**발열량(Calorific value)** : 단위량의 연료가 일정조건하에서 완전 연소한 경우에 내는 열량.

**브렌트유(Brent)** : 브렌트유(Brent crude oil)는 영국 북해 지역에서 생산되는 원유로 유럽과 아프리카 지역에서 거래되는 원유 가격을 결정하는 기준 원유임.

**석유 의존도(Rate of dependence on oil)** : 일차에너지공급량(TPES) 중에서 원유 및 정제원료, 프로판, 부탄, 휘발유, 항공유, 등유, 경유, 중유, 납사 등 석유제품 전체가 차지하는 비중.

**아랍 라이트(Arab light)** : 사우디아라비아산 원유 중 API도(미국 석유회사가 규정한 비중측정단위)가 약 34도인 원유를 말함. 중동 원유 중에서 생산량이 많으며, 표준적인 상태에서 원유가격을 설정할 시의 기준원유로서 채택되고 있었지만 1985년 1월의 OPEC 제73회 임시총회에서 기준원유 가격제도로 변경됨.

**압축 천연가스(CNG, Compressed Natural Gas)** : 천연가스를 냉동, 압축하여 액화한 LNG(액화 천연가스)와는 달리 고압으로 압축하여 압력 용기에 저장한 형태를 말함.

**액성 천연가스(NGL, Natural Gas Liquid)** : 가스전설비 또는 가스정제 공장의 분리기에서 액체상태로 회수되는 천연가스의 일부임. 액성 천연가스는 에탄, 프로판, 부탄, 펜탄, 천연가솔린 및 응축액을 포함하나 이에 국한하지는 않으며, 소량의 비탄화수소 성분을 포함하는 경우도 있음.

**액화석유가스(LPG, Liquefied Petroleum Gas)** : 석유생산, 석유정제 또는 석유화학공업의 과정에서 부생되는 탄화수소를 분리 추출해, 상온·상압에서 가스 상태의 프로판, 부탄 등의 혼합기체를 가압 또는 냉각해 액화한 것. 가정용, 공업용, 내연기관용 연료, 도시가스의 원료로서 사용되고 있음.

**양수 발전(Pumping-up power generation)** : 고지대에 저수지를 만들고 전력의 비수요기인 밤에 잉여전력을 이용하여 여기에 물을 모터펌프로 퍼올려 놓았다가 수요기에 저수지물을 낙하시켜 발전하는 방식으로 우리나라의 양수발전은 무주, 청평, 삼랑진, 산청, 양양 등에 있음.

**에너지원단위(Energy intensity)** : 국내총생산(GDP) 대비 일차에너지공급량(TPES)의 비율로 정의되며, 경제활동에 투입된 에너지소비의 효율성을 평가하는 지표로써 산업구조, 부가가치, 에너지절약 및 이용효율 수준 등에 영향을 받음.

**에너지 수입의존도(Rate of dependence on imports)** : 일차에너지공급량(TPES) 중 수입에너지가 차지하는 비중.

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

**전력화 비중(Electrification share)** : 최종소비 부문에서 전기 에너지 소비가 차지하는 비중.

**콘덴세이트(Condensate)** : 일부 천연가스에 섞여 나오는 경질의 휘발성 액체 탄화수소로 여러 가지 의미가 혼용되고 있으나 일반적으로 콘덴세이트라 함은 API 40~50도 이상의 초경질 원유를 말함. 주성분은 납사이고 소량의 중간유분(등유유분, 경유유분) 및 잔사유분을 함유하고 있음.

**현물가격(Spot price)** : 일반적으로는 상품을 현물거래하는 경우의 가격을 말함. 장기계약 등에 의하지 않기 때문에 수급의 상태에 따라 가격이 변함. 최근에는 원유 거래 시장에서 쓰이는 일이 많으며 원유의 현물시장에서 거래되는 원유가격임.

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

**BPSD(Barrel Per Stream Day)** : 석유정제설비의 능력을 표시하는 단위로서 연간 처리량을 가동일수로 나눈 값.

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

**FOB(Free On Board)** : 본선인도가격이라고도 불리며 CIF와 더불어 가장 많이 이용되는 무역조건임. 이 조건에서는 구매자의 본선에 화물을 적재할 때까지의 비용과 위험을 판매자가 부담함.

**IEA(International Energy Agency)** : 국제 에너지기구의 약칭. 제1차 석유위기 후의 국제에너지 정세에 대응하기 위하여 미국의 제창에 의해 1974년 11월에 설립된 석유소비국의 국제기구임. 사무국은 파리의 경제협력개발기구 본부 내에 있으며 현재 가맹국은 31개국임(2022년 8월 기준). 설립 당초는 OPEC의 원유공급 삭감과 가격인상에 대응하는 것이 큰 목적이었지만, 최근에는 비상시의 석유유통과 대체에너지 개발협력 등에 중점을 둬.

**OECD(Organization for Economic Cooperation and Development)** : 경제협력개발기구. 구주부흥계획(마셜플랜)을 담당했던 구주경제협력기구(OEEC)의 뒤를 이어 OEEC 18개국에 미국, 캐나다가 참가해 1961년 9월에 발족됨. 주요목적은 가맹국의 협력에 의한 경제성장, 무역확대, 개발도상국 원조를 추진하는 데 있으며 현재 38개국(2021년 5월 기준)이 가입해 있음.

**OPEC(Organization of Petroleum Exporting Countries)** : 석유수출기구의 약칭. 1960년 9월 이라크, 쿠웨이트, 사우디아라비아, 베네수엘라, 이란의 5개국에 의해 설립되었으며, 본부는 빈에 있음. OPEC설립의 직접적인 원인은 1959년과 1960년 2회에 걸친 원유공시가격의 대폭적인 인하가 메이저에 의해 일방적으로 행해진 데에 있으며, 산유국간의 석유정책협조와 이를 위한 정보수집, 의견교환 등에 목적을 두고 있음.

**OPEC 바스켓가격(OPEC Basket Price)** : OPEC 회원국들이 생산하는 원유 가격을 가중치에 따라 평균한 가격으로 OPEC이 국제유가의 지표로 삼는 수치임. 알제리의 사하란 블렌드(Saharan Blend), 나이지리아의 보니 라이트(Bonny Light), 사우디아라비아의 아랍 라이트(Arab Light) 등 10여개 유종으로 구성됨.

**WTI(West Texas Intermediate, 서부 텍사스유)** : 미국에서 생산되는 대표적인 원유임. 뉴욕상품거래소에서 이루어지는 선물거래의 주요상품의 하나로 북해 브렌트유와 함께 구미 석유시장의 지표가 됨.



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## 에너지통계연보

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