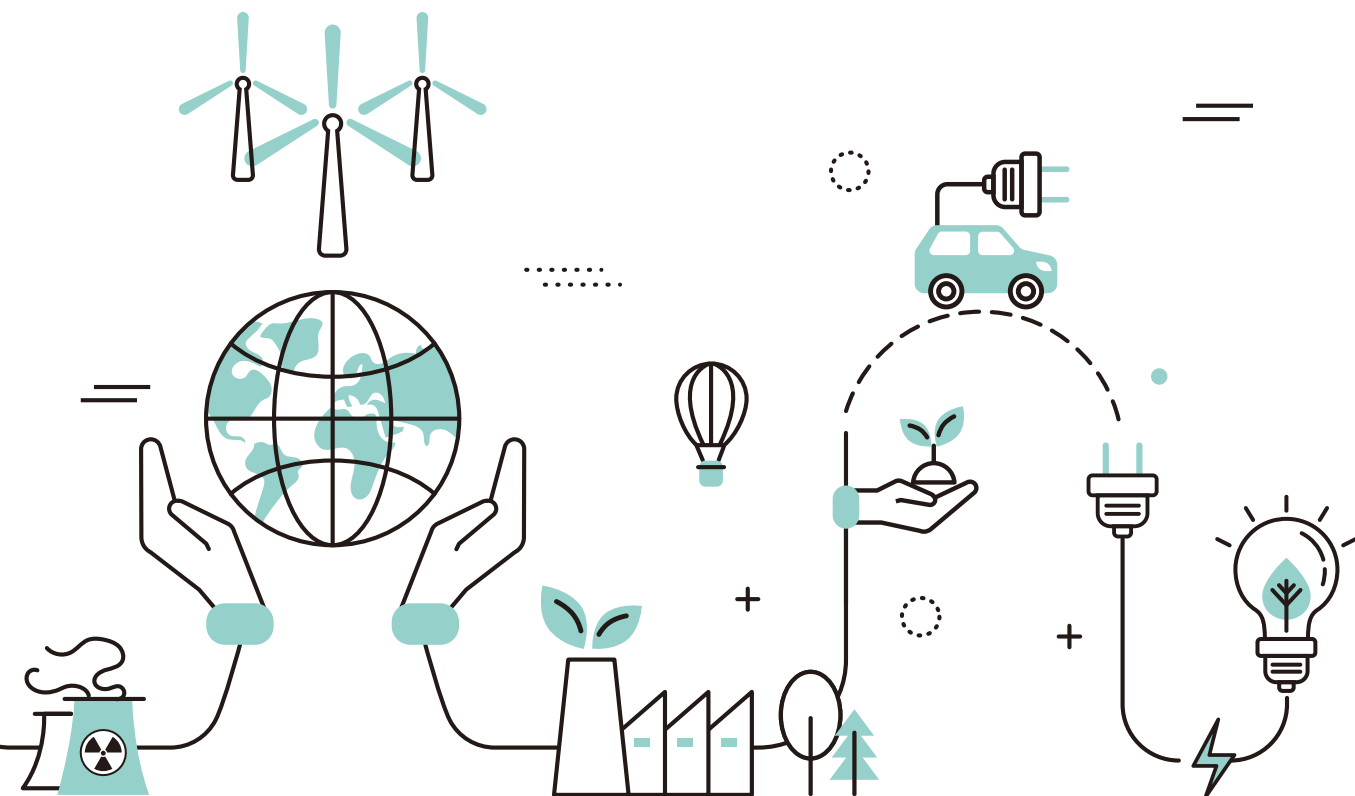


2025/04

# 에너지통계월보

MONTHLY ENERGY STATISTICS

2025년 1월 자료





## 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)

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## 열량환산계수 적용안내

에너지법 시행규칙 제5조제1항에 의거

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

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홈페이지: <http://www.keei.re.kr>

국가에너지통계종합정보시스템: <http://www.kesis.net>



# 1. 일러두기 Explanatory Notes

## 1. 에너지밸런스 개정에 따른 에너지통계월보 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 balance)와 에너지상품의 수급 흐름을 신속히 파악하는 것을 목적으로 한 달을 집계 기간으로 작성되는 간이밸런스(Simple balance)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. 간이에너지밸런스 용어'를 참고

## 2. 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)

## 라. 작성 방법

- “에너지통계의 작성 등에 관한 규정”(산업통상자원부 고시 제2020-40호) 제4조의 에너지수급통계 작성기관에서 매월 생산 및 판매실적을 보고 받아 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
  - 수송부문: 철도, 도로, 국내해운, 국내항공
  - 가정부문
  - 상업·공공 부문

## 바. 결과 공표

- 작성주기
  - 에너지통계월보 발간: 매월 15일경
  - 에너지통계연보 발간: 매년 12월경
  - 지역에너지통계연보 발간: 매년 12월경
- 공표주기
  - 월간통계: 작성기준 월 3개월 후
  - 연간통계: 작성기준 익년 12월
- 웹사이트: 국가에너지통계종합정보시스템(KESIS: Korea Energy Statistical Information System)
  - www.kesis.net

# 1. 일러두기 Explanatory Notes

## 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>	0.62892×10 <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	1×10 <sup>-4</sup>	1

출처: IEA

### 라. 비중과 톤당 용적(60°F 기준)

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

### 마. 단위의 배수

명 칭	기 호	크 기
Tera	T	$10^{12}$
Giga	G	$10^9$
Mega	M	$10^6$
Kilo	k	$10^3$
Hecta	h	$10^2$
Deca	da	$10^1$
Deci	d	$10^{-1}$
Centi	c	$10^{-2}$
Milli	m	$10^{-3}$
Micro	$\mu$	$10^{-6}$
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
	옹제	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 10<sup>7</sup>kcal를 말한다.  
 4) 석탄의 발열량은 인수식을 기준으로 한다.  
 5) 최종에너지사용자가 사용하는 전기에너지를 열에너지로 환산할 경우에는 1kWh=860kcal를 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(kcal)								'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)						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)	Nm³	7,000	7,000	7,000	10,500	10,550	10,430	10,290	10,190	↓ 100
	도시가스(LPG)	Nm³	-	-	-	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	↑ 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	-

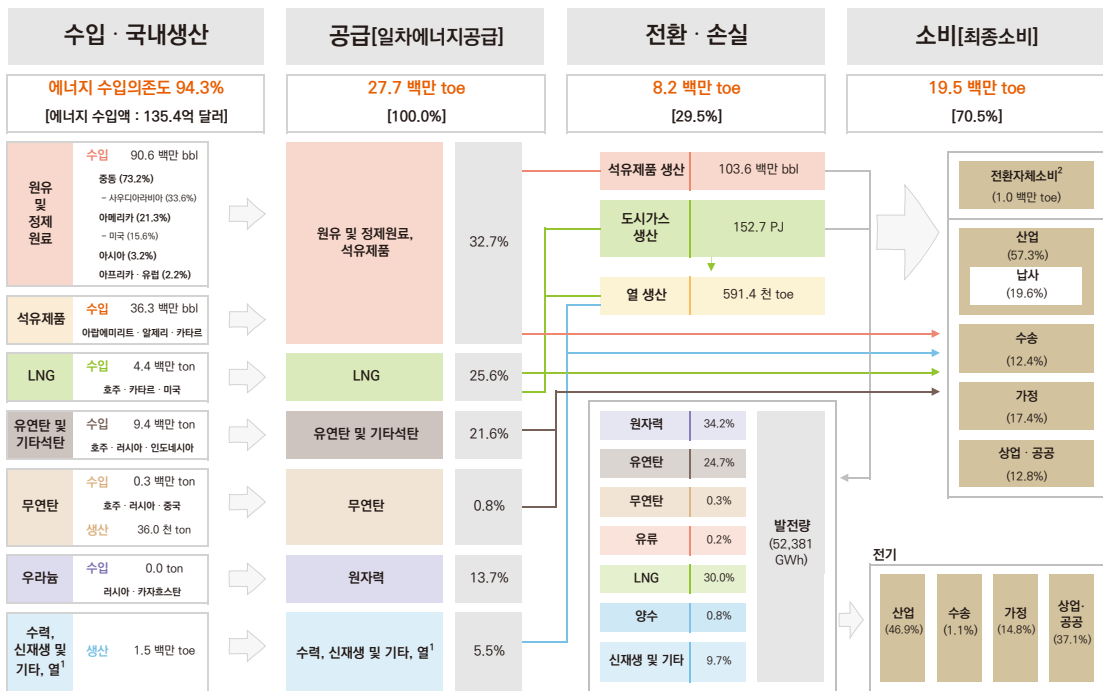


## 목차

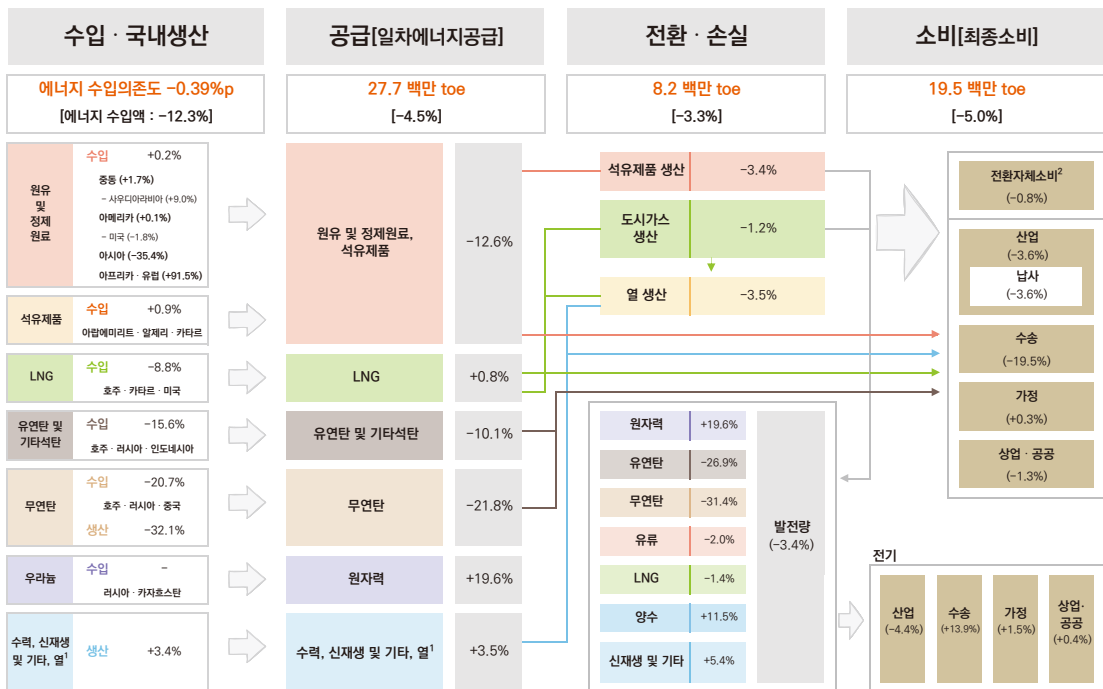
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## 2025년 1월 에너지 플로우

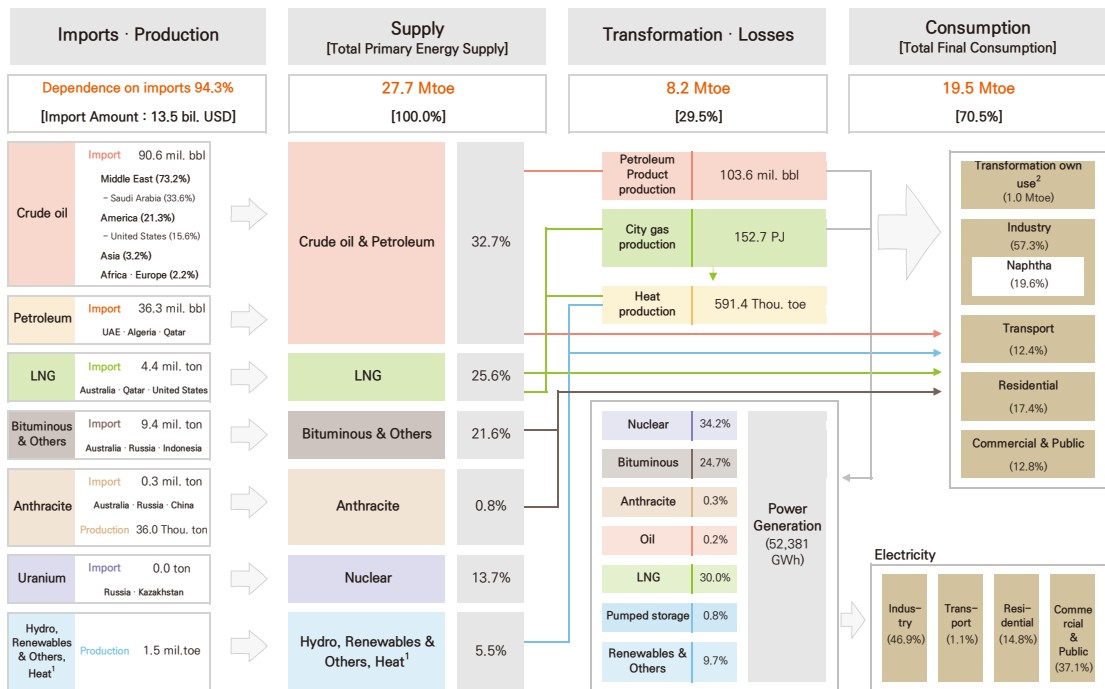


## 2025년 1월 에너지 플로우 (전년 동월 대비)

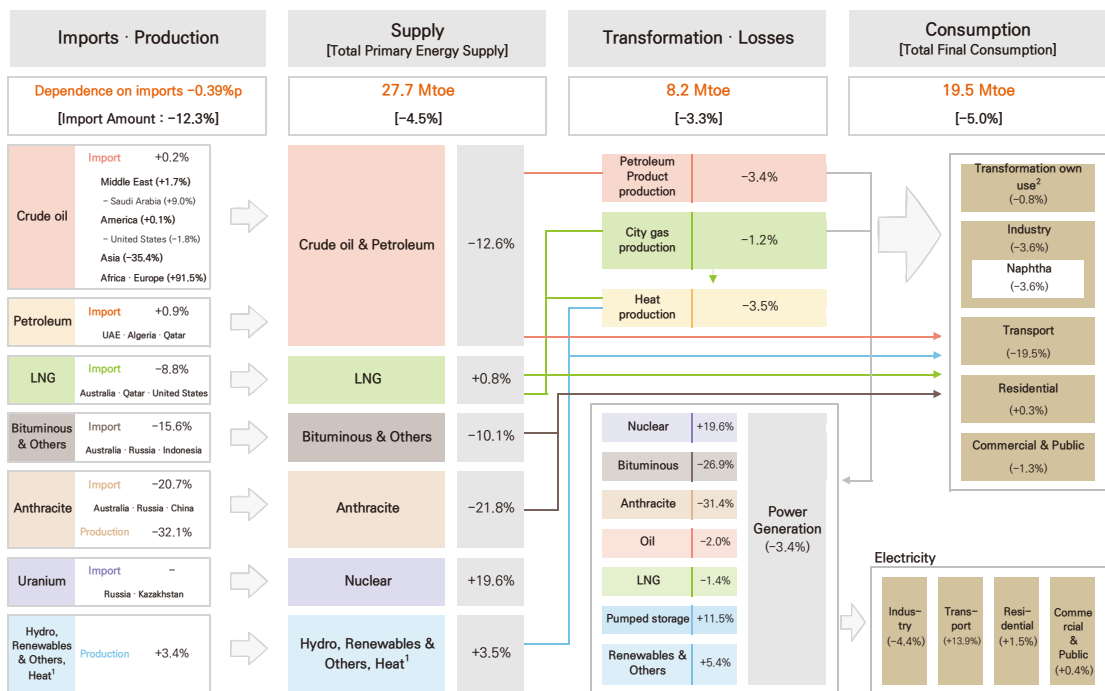


1. 신재생 및 기타에너지는 1) 바이오 및 폐기물, 2) 지열, 태양 및 기타로 구성됨.
2. 전환자체소비는 에너지생산 플랜트의 활동을 유지하는데 사용되는 에너지 상품을 의미함. 다른 에너지 상품으로 전환되지 않기 때문에 전환공정과 구별되며, 산업활동을 위한 에너지소비인 최종소비 산업부문에도 포함되지 않음

## January 2025 Energy Flow



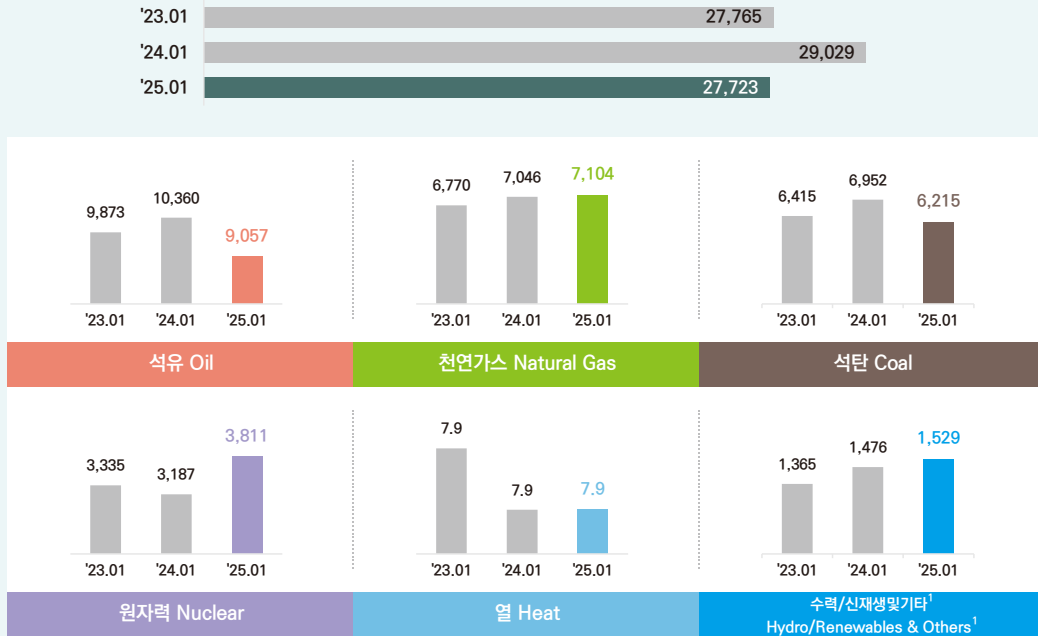
## January 2025 Energy Flow (Year-on-Year)



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.

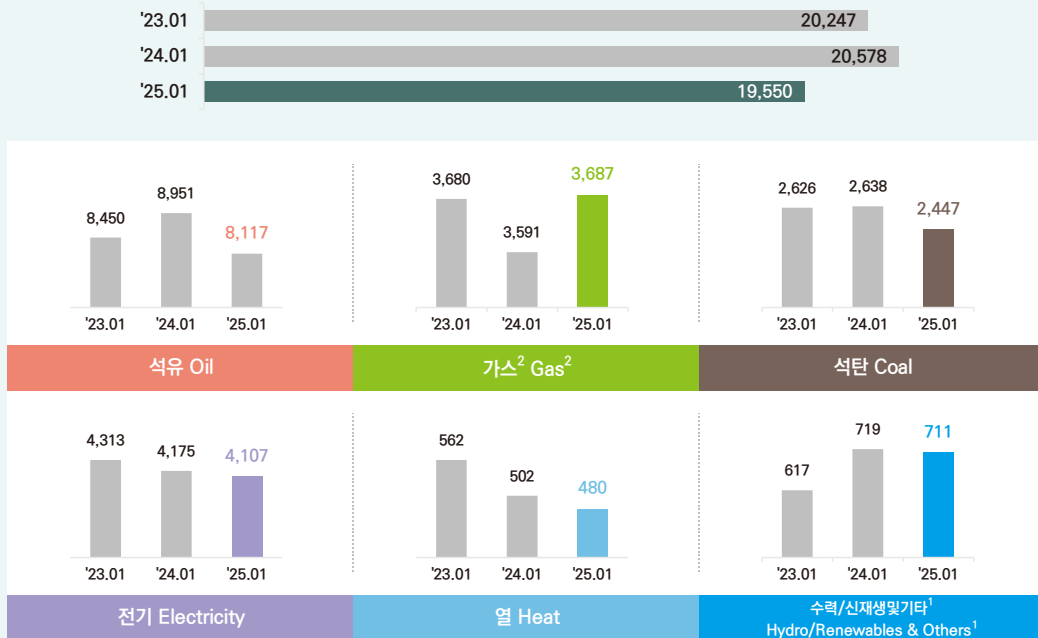
## 일차에너지공급 Total Primary Energy Supply

(단위: 1,000 toe)



## 최종소비 Total Final Consumption

(단위: 1,000 toe)



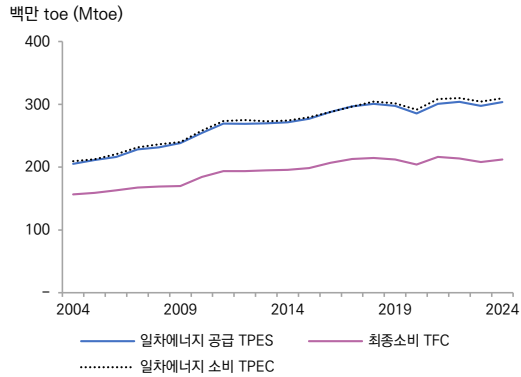
1. 신재생 및 기타에너지는 1) 바이오및폐기물, 2) 지열, 태양및기타로 구성  
 2. 가스는 1) 천연가스, 2) 도시가스로 구성

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

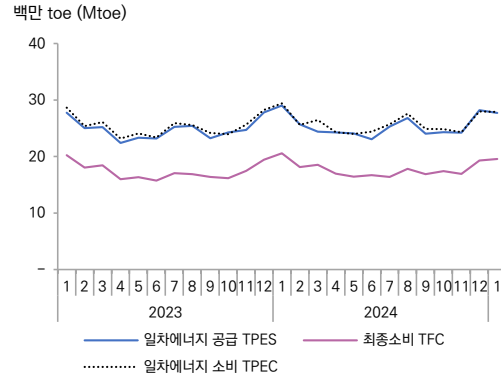


## ● 일차에너지공급, 최종소비 Total Primary Energy Supply, Total Final Consumption

〈2004~2024〉

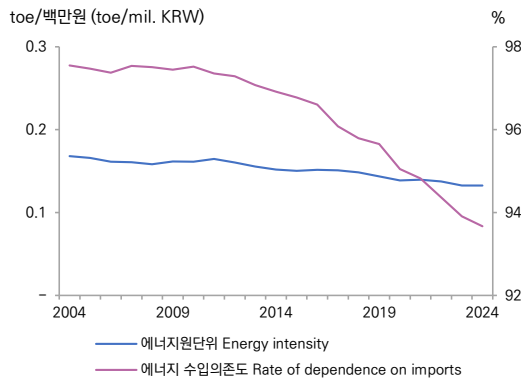


〈2023.1~2025.1〉

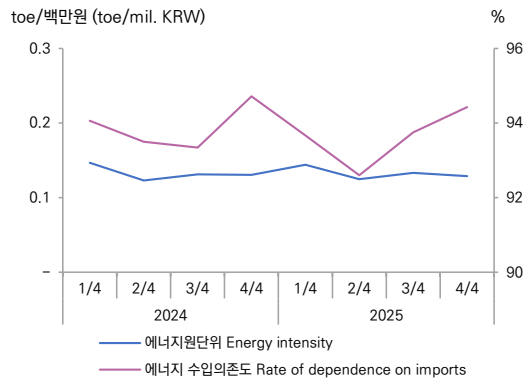


## ● 에너지원단위, 에너지 수입의존도 Energy Intensity, Energy dependence on imports

〈2004~2024〉

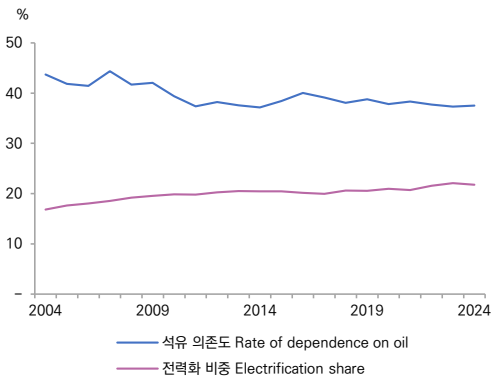


〈2024 1Q~2025 4Q〉

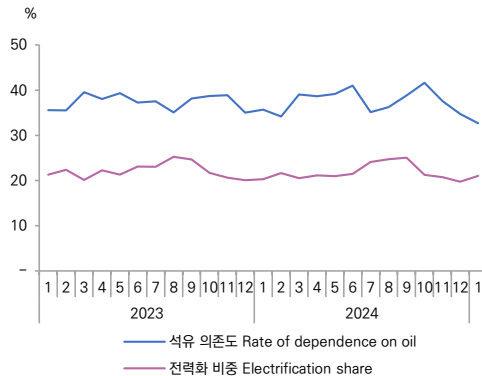


## ● 석유 의존도, 전력화 비중 Rate of Dependence on Oil, Electrification Share

〈2004~2024〉



〈2023.1~2025.1〉



## 1.1 주요 에너지지표

## Principal Energy Indicators

		일차에너지 공급 TPES	일차에너지 소비 TPEC	최종소비 TFC	에너지원단위 <sup>1</sup> TPES/GDP <sup>1</sup>	에너지수입액 Energy imports value	에너지 수입의존도 <sup>2</sup> Rate of dependence on imports <sup>2</sup>	석유 의존도 Rate of dependence on oil	전력화 비중 Electrification share
		1,000 toe			toe/mil. KRW	mil USD	%		
1990		89,680	89,775	71,149	0.181	8,209	88.7	52.8	11.2
1995		145,618	144,202	116,507	0.194	18,643	97.7	60.3	11.9
2000		183,079	183,965	140,956	0.183	37,622	97.8	49.6	14.4
2002		196,453	198,607	150,380	0.174	31,997	97.9	47.1	15.7
2003		201,738	205,092	154,107	0.174	37,982	97.6	46.0	16.1
2004		205,220	209,408	156,559	0.168	49,039	97.5	43.7	16.8
2005		211,345	212,573	158,920	0.166	66,238	97.5	41.8	17.7
2006		216,261	220,646	162,883	0.161	84,905	97.4	41.4	18.1
2007		228,129	231,504	167,623	0.161	94,306	97.5	44.4	18.6
2008		231,299	236,284	169,049	0.158	139,298	97.5	41.7	19.2
2009		238,482	240,029	170,068	0.162	90,259	97.4	42.1	19.5
2010		254,436	257,952	184,372	0.161	120,478	97.5	39.4	19.8
2011		269,200	273,215	193,576	0.165	170,497	97.4	37.4	19.8
2012		268,994	274,822	193,602	0.160	182,287	97.3	38.2	20.3
2013		269,532	273,047	194,844	0.156	176,561	97.1	37.6	20.5
2014		271,253	274,299	195,827	0.152	170,140	96.9	37.2	20.5
2015		276,803	279,260	198,618	0.150	100,433	96.8	38.4	20.5
2016		287,933	287,814	206,742	0.152	79,953	96.6	40.1	20.2
2017		296,623	296,194	213,147	0.151	107,921	96.1	39.1	20.0
2018		300,754	304,474	214,407	0.148	143,285	95.8	38.1	20.6
2019		297,629	301,516	212,132	0.144	124,844	95.7	38.8	20.6
2020		285,553	291,347	203,956	0.139	85,455	95.0	37.8	21.0
2021		300,550	308,313	216,245	0.140	135,935	94.8	38.3	20.7
2022		303,980	309,897	213,572	0.137	216,387	94.4	37.7	21.6
2023 <sup>P</sup>		297,598	304,300	208,172	0.133	171,376	93.9	37.3	22.1
2024 <sup>P</sup>		303,423	309,428	212,126	0.133	161,340	93.7	37.5	21.8
2023 <sup>P</sup>	1	27,765	28,639	20,247	-	17,921	94.9	35.6	21.3
	2	25,040	25,374	18,060	-	17,696	94.8	35.5	22.4
	3	25,212	26,098	18,429	0.147	16,222	94.1	39.6	20.1
	4	22,405	23,187	15,979	-	12,707	92.9	38.0	22.3
	5	23,318	24,084	16,335	-	13,102	93.6	39.3	21.3
	6	23,186	23,390	15,740	0.123	11,616	93.5	37.2	23.1
	7	25,270	25,929	17,066	-	11,825	93.6	37.5	23.0
	8	25,415	25,564	16,864	-	12,810	93.3	35.1	25.2
	9	23,216	24,166	16,405	0.131	13,872	93.3	38.1	24.7
	10	24,286	23,951	16,152	-	14,092	94.0	38.7	21.7
	11	24,705	25,672	17,483	-	14,145	93.9	38.9	20.7
	12	27,780	28,244	19,412	0.131	15,367	94.7	35.0	20.1
2024 <sup>P</sup>	1	29,029	29,403	20,578	-	15,438	94.7	35.7	20.3
	2	25,711	25,608	18,157	-	13,794	95.0	34.2	21.6
	3	24,422	26,449	18,526	0.144	13,336	93.7	39.0	20.5
	4	24,269	24,293	16,963	-	14,267	92.7	38.7	21.1
	5	24,076	23,981	16,416	-	14,077	92.9	39.2	21.0
	6	23,054	24,394	16,693	0.125	12,231	92.6	41.0	21.5
	7	25,285	25,685	16,389	-	12,899	92.9	35.1	24.1
	8	26,836	27,570	17,840	-	14,834	92.9	36.2	24.7
	9	24,030	24,890	16,900	0.133	12,120	93.7	38.8	25.1
	10	24,299	24,866	17,411	-	13,138	94.3	41.6	21.2
	11	24,228	24,310	16,935	-	12,506	93.9	37.6	20.8
	12	28,183	27,981	19,318	0.129	12,700	94.4	34.7	19.7
2025 <sup>P</sup>	1	27,723	27,901	19,550	-	13,541	94.3	32.7	21.0
2024 <sup>P</sup>	1-1	29,029	29,403	20,578	-	15,438	94.7	35.7	20.3
2025 <sup>P</sup>	1-1	27,723	27,901	19,550	-	13,541	94.3	32.7	21.0

1. 월별 수치는 분기 자료임

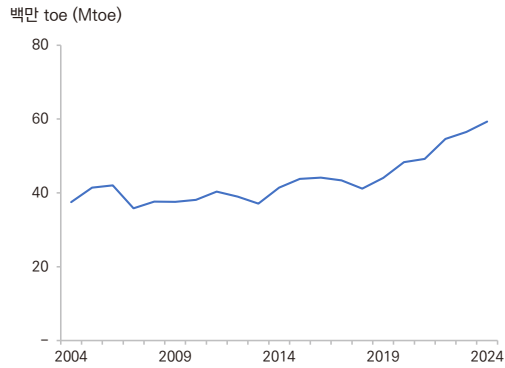
2. 원자력 발전 포함

1. Monthly figures are on quarterly basis.

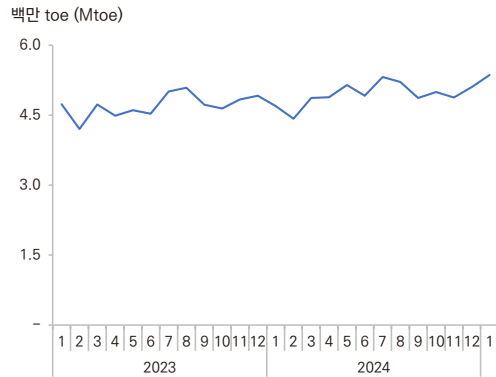
2. Includes nuclear power.

## 에너지 생산 Energy Production

〈2004~2024〉

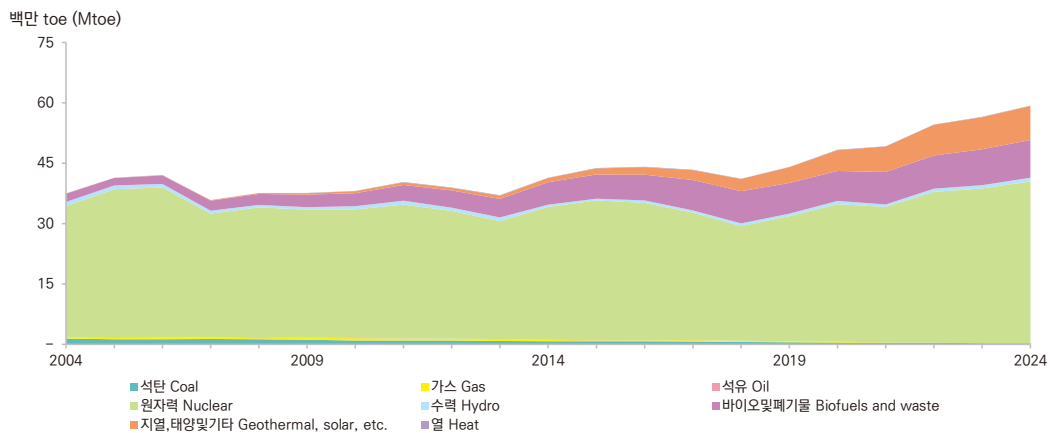


〈2023.1~2025.1〉

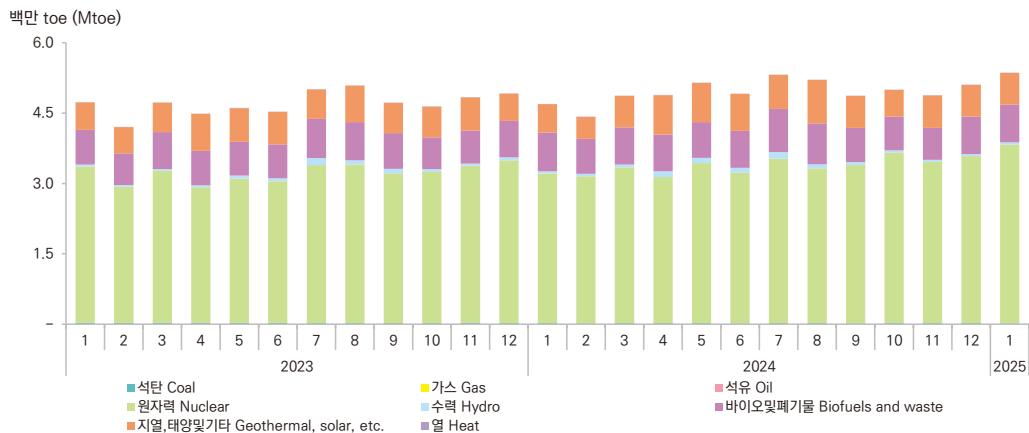


## 에너지원별 생산 Energy Production by Source

〈2004~2024〉



〈2023.1~2025.1〉



## 1.2 에너지 생산

## Energy Production

		합계 Total	석탄 <sup>1</sup> Coal <sup>1</sup>	가스 <sup>2</sup> Gas <sup>2</sup>	석유 <sup>3</sup> Oil <sup>3</sup>	원자력 Nuclear	수력 Hydro	바이오및폐기물 Biofuels and waste	지열, 태양및기타 Geothermal, solar, etc.	열 Heat
		1,000 toe								
1990		22,560	7,748	-	-	13,222	1,571	6	10	3
1995		20,362	2,574	-	-	16,757	690	315	23	3
2000		31,255	1,868	-	-	27,241	1,002	1,088	47	10
2002		33,647	1,493	-	-	29,776	808	1,516	40	14
2003		36,943	1,484	-	-	32,418	1,226	1,754	41	20
2004		37,480	1,436	212	-	32,679	1,082	1,999	52	19
2005		41,419	1,274	518	55	36,695	919	1,873	73	12
2006		42,065	1,271	461	45	37,187	867	2,110	107	17
2007		35,823	1,342	353	35	30,731	781	2,431	137	14
2008		37,619	1,289	236	23	32,456	660	2,719	199	38
2009		37,603	1,171	498	47	31,771	616	3,109	343	49
2010		38,097	969	539	56	31,948	797	3,274	499	16
2011		40,336	969	451	42	33,265	989	3,882	602	135
2012		38,966	942	436	39	31,719	838	4,247	622	124
2013		37,065	817	463	42	29,283	906	4,629	811	113
2014		41,424	787	322	29	33,002	581	5,585	1,051	68
2015		43,798	794	188	17	34,765	454	6,011	1,444	125
2016		44,106	777	154	15	34,181	603	6,444	1,814	117
2017		43,378	702	341	32	31,615	601	7,534	2,426	127
2018		41,133	569	305	28	28,437	719	7,984	3,024	68
2019		44,078	513	259	23	31,079	594	7,604	3,940	66
2020		48,325	482	185	15	34,119	826	7,478	5,146	73
2021		49,234	425	55	5	33,657	651	8,053	6,320	68
2022		54,621	386	-	2	37,500	755	8,251	7,657	69
2023 <sup>P</sup>		56,517	304	-	-	38,445	792	8,942	7,960	73
2024 <sup>P</sup>		59,322	256	-	-	40,205	917	9,400	8,473	71
2023 <sup>P</sup>	1	4,735	26	-	-	3,335	44	737	586	8
	2	4,204	30	-	-	2,898	36	676	559	5
	3	4,730	31	-	-	3,237	39	788	628	6
	4	4,487	26	-	-	2,890	41	737	786	6
	5	4,608	26	-	-	3,080	63	717	717	6
	6	4,531	26	-	-	3,018	68	720	693	6
	7	5,008	24	-	-	3,370	145	836	627	6
	8	5,091	21	-	-	3,381	90	814	778	7
	9	4,723	22	-	-	3,193	97	760	645	6
	10	4,643	22	-	-	3,224	61	676	656	5
	11	4,840	29	-	-	3,348	49	703	707	5
	12	4,918	23	-	-	3,472	59	779	578	6
2024 <sup>P</sup>	1	4,695	25	-	-	3,187	47	823	606	8
	2	4,423	19	-	-	3,135	53	745	467	5
	3	4,870	23	-	-	3,320	61	792	668	6
	4	4,888	23	-	-	3,113	123	779	844	6
	5	5,148	21	-	-	3,413	111	761	836	6
	6	4,915	20	-	-	3,212	101	788	789	6
	7	5,317	21	-	-	3,511	136	921	722	6
	8	5,212	20	-	-	3,303	84	873	925	7
	9	4,869	18	-	-	3,375	64	726	680	6
	10	4,998	21	-	-	3,637	50	716	570	5
	11	4,881	24	-	-	3,439	43	679	693	5
	12	5,105	22	-	-	3,560	45	797	674	6
2025 <sup>P</sup>	1	5,362	17	-	-	3,811	47	804	675	8
2024 <sup>P</sup>	1-1	4,695	25	-	-	3,187	47	823	606	8
2025 <sup>P</sup>	1-1	5,362	17	-	-	3,811	47	804	675	8

1. 무연탄

2. 동해-1 가스전 생산량(2021년 12월 31일 생산 종료)

3. 원유 및 정제원료

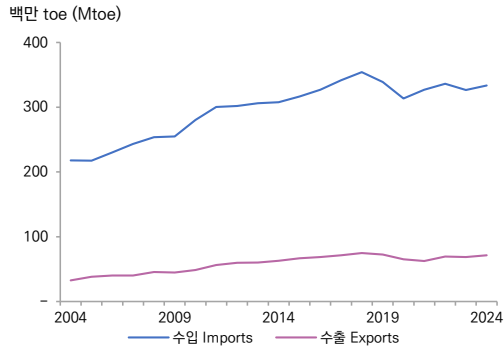
1. Anthracite

2. Production at Donghae-1 gas field  
(End of production on December 31, 2021)

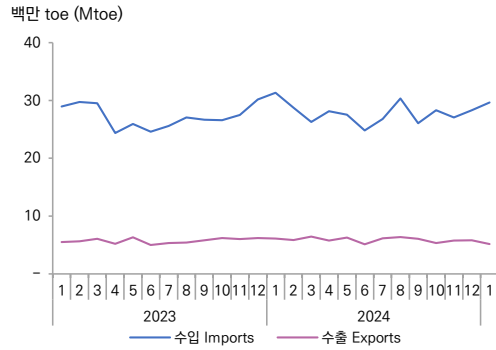
3. Crude oil and refinery feedstocks

## ● 에너지 수출입 Energy Imports and Exports

〈2004~2024〉

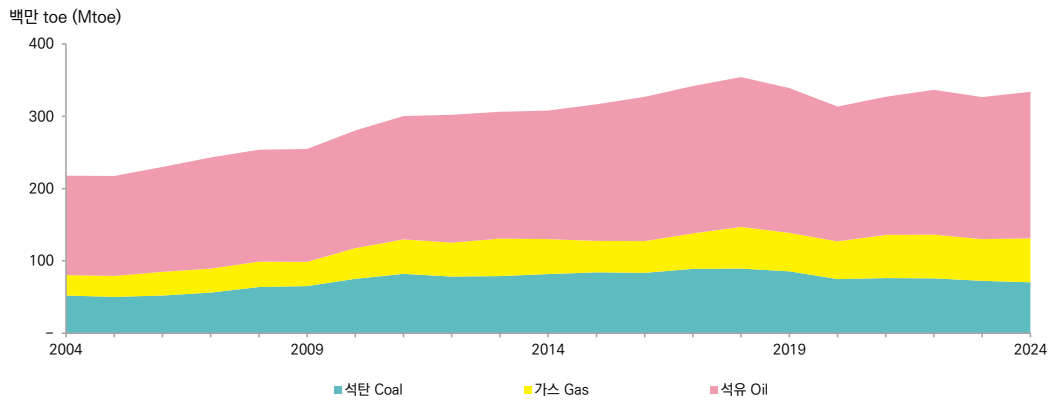


〈2023.1~2025.1〉

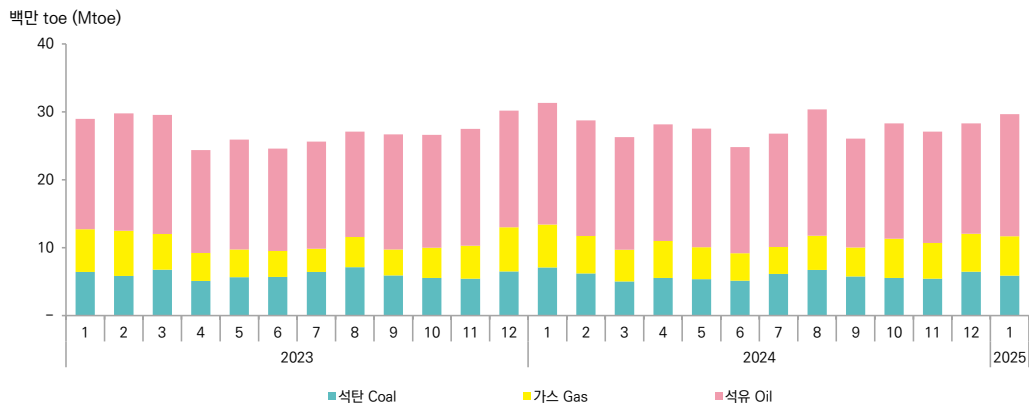


## ● 에너지원별 수입 Energy Imports by Source

〈2004~2024〉



〈2023.1~2025.1〉



## 1.3 에너지 수출입

## Energy Imports and Exports

		수입 Imports				수출 Exports			순수입 (A-B) Net imports
		합계 (A) Total	석탄 Coal	가스 <sup>1</sup> Gas <sup>1</sup>	석유 <sup>2</sup> Oil <sup>2</sup>	합계 (B) Total	석탄 <sup>3</sup> Coal <sup>3</sup>	석유 <sup>2</sup> Oil <sup>2</sup>	
		1,000 toe							
1990		74,609	15,832	2,909	55,869	4,002	5	3,997	70,607
1995		152,793	28,942	8,782	115,069	17,783	4	17,780	135,010
2000		210,191	41,943	19,811	148,437	43,507	3	43,504	166,684
2002		207,798	46,058	23,390	138,350	33,546	1	33,545	174,252
2003		210,798	47,109	25,101	138,588	29,226	1	29,225	181,572
2004		217,781	51,995	28,316	137,470	32,640	7	32,633	185,140
2005		217,485	50,266	29,013	138,206	38,088	12	38,076	179,396
2006		230,063	52,053	32,832	145,177	40,262	9	40,253	189,801
2007		243,214	56,340	33,240	153,635	40,063	9	40,055	203,151
2008		253,725	63,723	35,436	154,566	45,589	26	45,562	208,136
2009		254,840	65,216	33,568	156,055	44,630	4	44,626	210,210
2010		280,301	75,340	42,384	162,577	48,575	8	48,566	231,726
2011		300,431	82,125	47,690	170,616	56,548	41	56,507	243,883
2012		302,067	78,261	47,184	176,622	59,862	20	59,842	242,205
2013		306,375	78,923	51,998	175,454	60,318	40	60,278	246,057
2014		307,855	81,782	48,388	177,685	62,804	28	62,776	245,051
2015		316,749	84,123	43,509	189,117	66,736	12	66,725	250,013
2016		327,086	83,621	43,623	199,841	68,509	1	68,508	258,577
2017		341,836	89,227	49,023	203,585	71,507	86	71,421	270,329
2018		354,195	89,484	57,484	207,227	74,876	47	74,829	279,318
2019		338,899	85,586	53,217	200,096	72,524	12	72,512	266,375
2020		313,504	74,875	52,217	186,412	65,398	110	65,287	248,106
2021		326,860	76,172	59,987	190,702	62,374	217	62,158	264,486
2022		336,443	75,794	60,683	199,966	69,338	19	69,318	267,105
2023 <sup>P</sup>		326,760	72,434	57,705	196,621	68,758	0	68,757	258,002
2024 <sup>P</sup>		333,735	70,452	60,584	202,699	71,209	1	71,208	262,526
2023 <sup>P</sup>	1	28,952	6,434	6,265	16,252	5,488	0	5,488	23,464
	2	29,759	5,851	6,655	17,253	5,653	0	5,653	24,106
	3	29,543	6,758	5,276	17,508	6,049	0	6,049	23,493
	4	24,372	5,089	4,121	15,162	5,223	0	5,223	19,149
	5	25,921	5,669	4,061	16,191	6,338	0	6,338	19,583
	6	24,580	5,693	3,832	15,056	5,000	0	5,000	19,579
	7	25,604	6,436	3,419	15,749	5,316	0	5,316	20,288
	8	27,076	7,126	4,457	15,494	5,416	0	5,416	21,660
	9	26,691	5,905	3,817	16,969	5,823	0	5,823	20,867
	10	26,599	5,545	4,439	16,614	6,216	0	6,216	20,383
	11	27,488	5,417	4,863	17,208	6,047	0	6,047	21,442
	12	30,176	6,511	6,500	17,165	6,188	0	6,188	23,988
2024 <sup>P</sup>	1	31,334	7,076	6,347	17,911	6,131	0	6,131	25,204
	2	28,760	6,219	5,496	17,046	5,843	0	5,843	22,917
	3	26,292	5,025	4,678	16,589	6,454	0	6,454	19,838
	4	28,149	5,540	5,439	17,170	5,765	0	5,765	22,384
	5	27,517	5,375	4,689	17,453	6,302	0	6,302	21,215
	6	24,812	5,156	4,021	15,634	5,137	0	5,137	19,674
	7	26,794	6,128	3,978	16,688	6,164	0	6,164	20,629
	8	30,351	6,730	5,041	18,580	6,387	0	6,387	23,963
	9	26,050	5,752	4,289	16,010	6,086	0	6,086	19,963
	10	28,306	5,545	5,770	16,991	5,348	0	5,348	22,958
	11	27,078	5,442	5,235	16,401	5,777	0	5,777	21,300
	12	28,293	6,464	5,602	16,227	5,826	0	5,826	22,467
2025 <sup>P</sup>	1	29,649	5,884	5,786	17,979	5,157	0	5,157	24,492
2024 <sup>P</sup>	1-1	31,334	7,076	6,347	17,911	6,131	0	6,131	25,204
2025 <sup>P</sup>	1-1	29,649	5,884	5,786	17,979	5,157	0	5,157	24,492

1. 천연가스

2. 원유 및 정제원료, 석유제품

3. 코크스 등 석탄 및 석탄제품

1. Natural gas

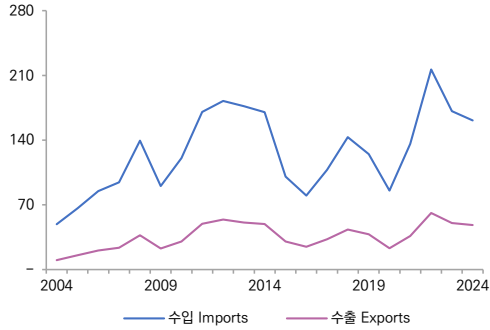
2. Crude oil, refinery feedstocks and petroleum products

3. Coal and coal products including coke oven coke

## ● 에너지 수출입액 Energy Import and Export Values

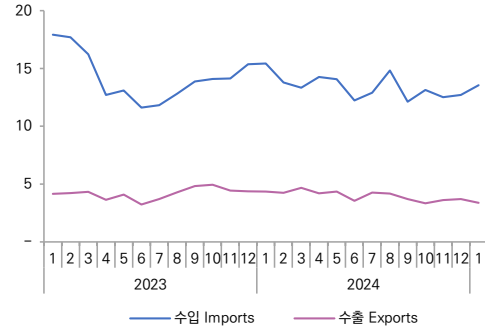
〈2004~2024〉

십억 달러 (bil. USD)



〈2023.1~2025.1〉

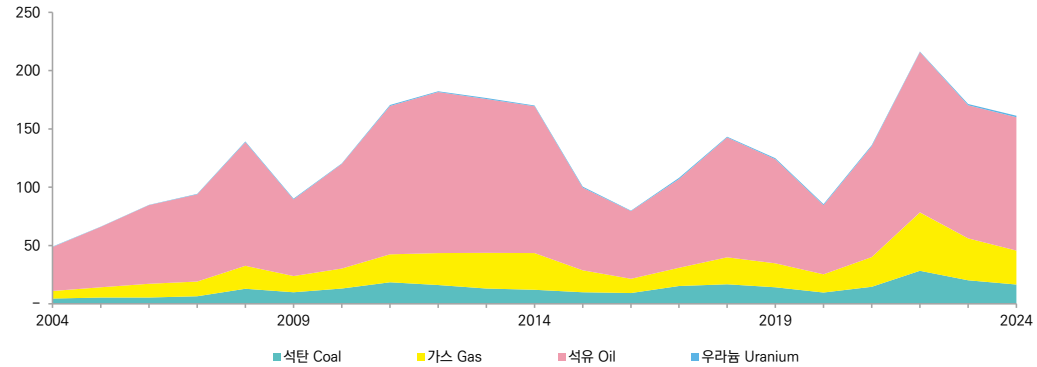
십억 달러 (bil. USD)



## ● 에너지원별 수입액 Import Values by Energy Source

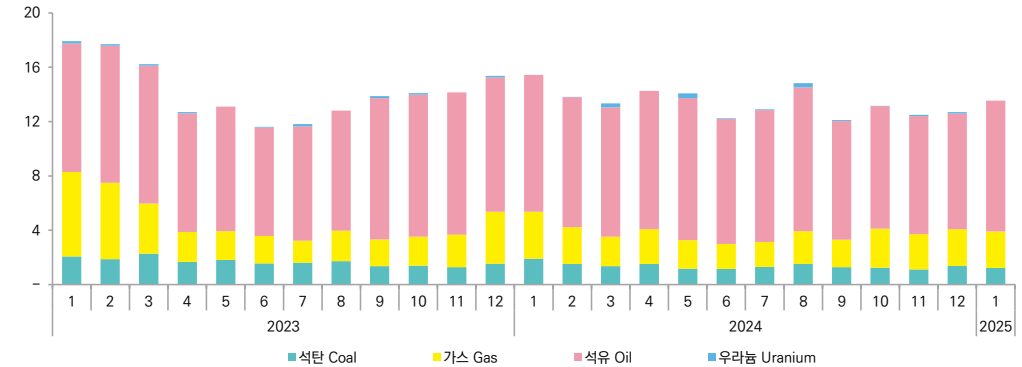
〈2004~2024〉

십억 달러 (bil. USD)



〈2023.1~2025.1〉

십억 달러 (bil. USD)



## 1.4 에너지 수출입액

## Energy Trade Value

		에너지 수입 Energy imports					에너지 수출 Energy exports			에너지 수입액 비중 Energy Import Share of Total Imports
		합계 Total	석탄 <sup>1</sup> Coal <sup>1</sup>	가스 <sup>2</sup> Gas <sup>2</sup>	석유 <sup>3</sup> Oil <sup>3</sup>	우라늄 Uranium	합계 Total	석탄 <sup>1</sup> Coal <sup>1</sup>	석유 <sup>3</sup> Oil <sup>3</sup>	
		mil. USD								
		%								
1990		8,209	1,288	460	6,462	-	1	1	-	11.8
1995		18,643	2,081	1,275	15,265	22	2,314	1	2,313	13.8
2000		37,622	2,186	3,882	31,416	138	9,381	0	9,381	23.4
2002		31,997	2,475	4,120	25,140	262	6,455	0	6,454	21.0
2003		37,982	2,552	5,082	30,104	243	6,654	0	6,653	21.2
2004		49,039	4,438	6,552	37,734	315	10,175	2	10,173	21.8
2005		66,238	5,443	8,646	51,883	265	15,366	2	15,364	25.4
2006		84,905	5,318	11,925	67,352	311	20,603	1	20,602	27.4
2007		94,306	6,445	12,653	74,762	446	23,482	1	23,481	26.4
2008		139,298	12,810	19,806	106,015	667	37,184	8	37,177	32.0
2009		90,259	9,995	13,875	65,706	684	22,721	1	22,720	27.9
2010		120,478	13,131	17,006	89,777	564	30,196	2	30,194	28.3
2011		170,497	18,477	23,859	127,413	748	49,608	24	49,584	32.5
2012		182,287	16,069	27,364	138,218	635	54,045	6	54,039	35.1
2013		176,561	13,074	30,645	131,866	976	50,758	16	50,742	34.2
2014		170,140	12,114	31,403	125,934	688	49,103	10	49,093	32.4
2015		100,433	9,961	18,779	70,875	817	30,207	4	30,203	23.0
2016		79,953	9,310	12,170	57,937	536	24,624	1	24,623	19.7
2017		107,921	15,179	15,616	76,185	941	32,676	23	32,654	22.6
2018		143,285	16,703	23,189	102,856	538	43,367	21	43,346	26.8
2019		124,844	14,209	20,567	89,362	707	38,195	4	38,191	24.8
2020		85,455	9,596	15,716	59,417	725	22,958	35	22,922	18.3
2021		135,935	14,699	25,453	95,039	744	36,212	124	36,088	22.1
2022		216,387	28,310	50,022	137,603	451	61,172	15	61,158	29.6
2023 <sup>P</sup>		171,376	20,178	36,049	114,109	1,040	50,238	0	50,238	26.7
2024 <sup>P</sup>		161,340	16,487	29,271	114,243	1,338	48,201	1	48,201	25.5
2023 <sup>P</sup>	1	17,921	2,078	6,206	9,478	159	4,151	0	4,151	30.4
	2	17,696	1,877	5,611	10,100	108	4,228	0	4,228	32.0
	3	16,222	2,271	3,706	10,151	94	4,324	0	4,324	27.2
	4	12,707	1,678	2,202	8,736	92	3,637	0	3,637	24.5
	5	13,102	1,812	2,110	9,180	-	4,092	0	4,092	24.2
	6	11,616	1,562	2,014	7,986	53	3,235	0	3,235	21.9
	7	11,825	1,613	1,623	8,424	166	3,700	0	3,700	24.3
	8	12,810	1,724	2,249	8,837	-	4,285	0	4,285	25.1
	9	13,872	1,352	1,979	10,395	145	4,828	0	4,828	27.2
	10	14,092	1,387	2,133	10,461	110	4,945	0	4,945	26.4
	11	14,145	1,285	2,395	10,465	-	4,440	0	4,440	27.2
	12	15,367	1,538	3,821	9,895	113	4,373	0	4,373	28.9
2024 <sup>P</sup>	1	15,438	1,912	3,456	10,071	-	4,351	0	4,351	28.3
	2	13,794	1,516	2,707	9,572	0	4,250	0	4,250	28.6
	3	13,336	1,352	2,184	9,520	280	4,681	0	4,681	25.6
	4	14,267	1,520	2,549	10,198	-	4,206	0	4,206	26.0
	5	14,077	1,177	2,086	10,457	356	4,353	0	4,353	26.5
	6	12,231	1,160	1,842	9,177	53	3,551	0	3,551	24.9
	7	12,899	1,303	1,843	9,697	56	4,260	0	4,260	24.0
	8	14,834	1,525	2,414	10,583	313	4,186	0	4,185	27.4
	9	12,120	1,281	2,029	8,734	76	3,700	0	3,700	23.3
	10	13,138	1,255	2,851	9,031	0	3,344	0	3,344	24.2
	11	12,506	1,117	2,596	8,694	99	3,619	0	3,619	24.7
	12	12,700	1,370	2,715	8,511	104	3,700	0	3,700	23.1
2025 <sup>P</sup>	1	13,541	1,227	2,683	9,631	0	3,387	0	3,387	26.6
2024 <sup>P</sup>	1-1	15,438	1,912	3,456	10,071	-	4,351	0	4,351	28.3
2025 <sup>P</sup>	1-1	13,541	1,227	2,683	9,631	0	3,387	0	3,387	26.6

1. 코크스 등 석탄 및 석탄제품

2. 천연가스

3. 원유 및 정제원료, 석유제품

자료: 한국무역협회, 한국석유공사-PEDSIS

1. Coal and coal products including coke oven coke

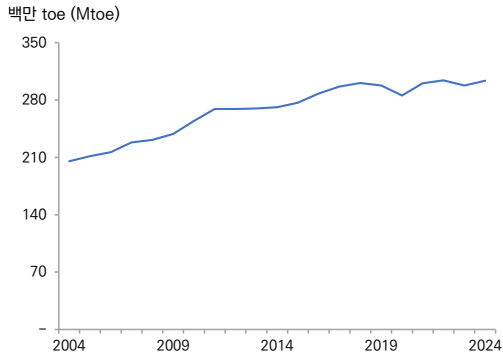
2. Natural gas

3. Crude oil, refinery feedstocks and petroleum products

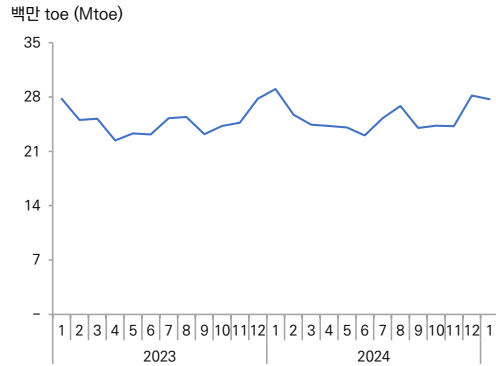
Source: Korea International Trade Association, Korea National Oil Corporation-PEDSIS

## ● 일차에너지공급 Total Primary Energy Supply

〈2004~2024〉

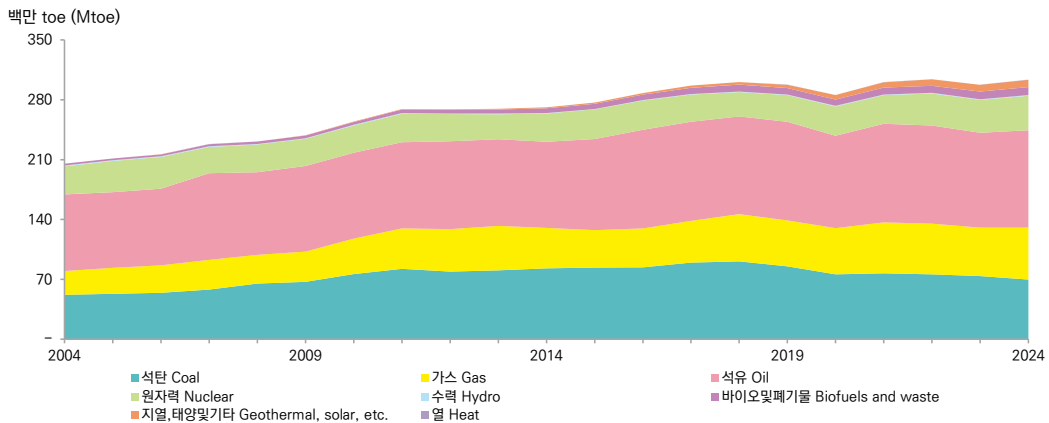


〈2023.1~2025.1〉

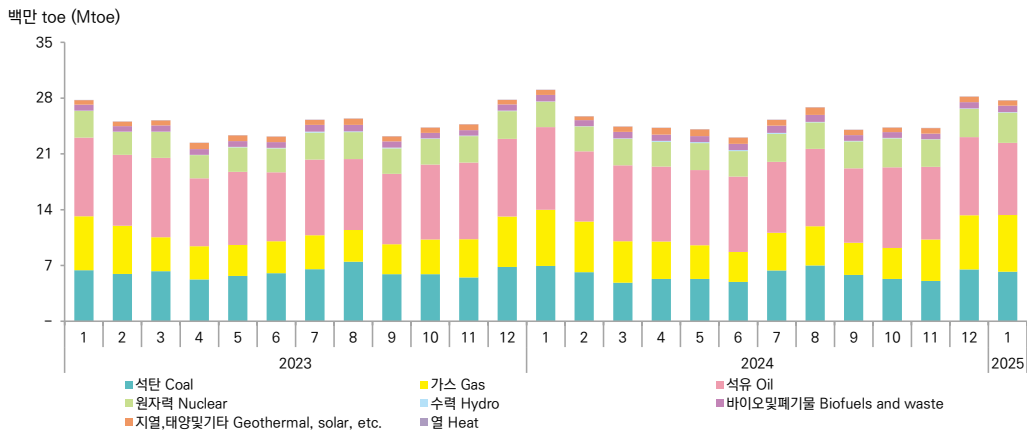


## ● 에너지원별 일차에너지공급 Total Primary Energy Supply by Source

〈2004~2024〉



〈2023.1~2025.1〉



## 1.5 일차에너지공급

## Total Primary Energy Supply

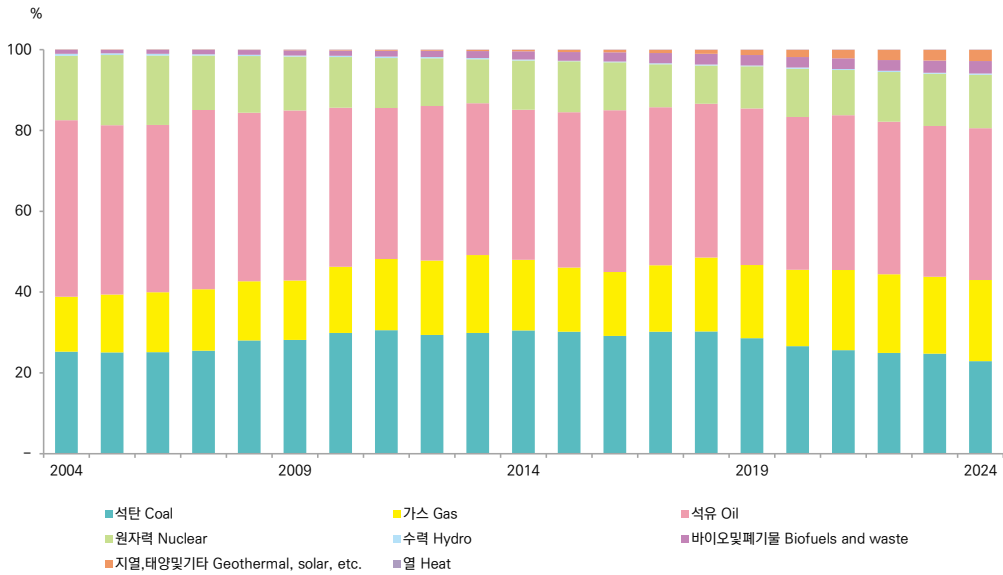
		합계 Total	석탄 Coal	가스 Gas	석유 Oil	원자력 Nuclear	수력 Hydro	바이오및폐기물 Biofuels and waste	지열, 태양및기타 Geothermal, solar, etc.	열 <sup>1</sup> Heat <sup>1</sup>
		1,000 toe								
1990		89,680	24,523	2,958	47,387	13,222	1,571	6	10	3.3
1995		145,618	31,173	8,852	87,805	16,757	690	315	23	3.3
2000		183,079	43,143	19,743	90,805	27,241	1,002	1,088	47	9.8
2002		196,453	47,987	23,797	92,515	29,776	808	1,516	40	13.5
2003		201,738	49,135	24,272	92,872	32,418	1,226	1,754	41	20.2
2004		205,220	51,886	27,827	89,677	32,679	1,082	1,999	52	19.3
2005		211,345	52,975	30,367	88,432	36,695	919	1,873	73	11.6
2006		216,261	54,361	32,023	89,591	37,187	867	2,108	107	16.7
2007		228,129	58,149	34,665	101,220	30,731	781	2,433	137	13.9
2008		231,299	64,925	33,792	96,512	32,456	660	2,718	199	37.8
2009		238,482	67,094	35,203	100,304	31,771	616	3,104	343	48.5
2010		254,436	76,008	41,718	100,177	31,948	797	3,274	499	15.8
2011		269,200	82,386	47,318	100,623	33,265	989	3,881	602	135.3
2012		268,994	79,059	49,554	102,834	31,719	838	4,245	622	123.7
2013		269,532	80,538	51,943	101,307	29,283	906	4,631	811	113.2
2014		271,253	82,764	47,409	100,793	33,002	581	5,585	1,051	68.0
2015		276,803	83,650	43,967	106,387	34,765	454	6,011	1,444	125.2
2016		287,933	83,874	45,552	115,344	34,181	603	6,447	1,814	117.3
2017		296,623	89,670	48,583	116,068	31,615	601	7,532	2,426	127.2
2018		300,754	90,965	55,105	114,451	28,437	719	7,985	3,024	68.3
2019		297,629	85,048	53,891	115,409	31,079	594	7,601	3,940	66.3
2020		285,553	75,983	53,956	107,971	34,119	826	7,479	5,146	73.1
2021		300,550	76,968	59,628	115,205	33,657	651	8,052	6,320	67.6
2022		303,980	75,869	59,203	114,676	37,500	755	8,252	7,657	69.3
2023 <sup>P</sup>		297,598	73,700	56,648	111,036	38,445	792	8,943	7,960	72.7
2024 <sup>P</sup>		303,423	69,571	60,900	113,888	40,205	917	9,397	8,473	70.7
2023 <sup>P</sup>	1	27,765	6,415	6,770	9,873	3,335	44	736	586	7.9
	2	25,040	5,928	6,051	8,888	2,898	36	675	559	5.2
	3	25,212	6,279	4,262	9,972	3,237	39	788	628	6.2
	4	22,405	5,241	4,184	8,519	2,890	41	737	786	5.9
	5	23,318	5,670	3,898	9,169	3,080	63	715	717	5.7
	6	23,186	6,034	4,011	8,634	3,018	68	722	693	6.3
	7	25,270	6,536	4,261	9,489	3,370	145	837	627	6.4
	8	25,415	7,469	3,970	8,911	3,381	90	809	778	6.7
	9	23,216	5,912	3,747	8,855	3,193	97	761	645	6.1
	10	24,286	5,917	4,347	9,396	3,224	61	681	656	5.0
	11	24,705	5,502	4,789	9,604	3,348	49	702	707	4.8
	12	27,780	6,797	6,360	9,728	3,472	59	780	578	6.5
2024 <sup>P</sup>	1	29,029	6,952	7,046	10,360	3,187	47	823	606	7.9
	2	25,711	6,169	6,354	8,785	3,135	53	744	467	5.2
	3	24,422	4,850	5,192	9,535	3,320	61	790	668	6.1
	4	24,269	5,320	4,700	9,386	3,113	123	778	844	5.5
	5	24,076	5,300	4,226	9,427	3,413	111	757	836	5.6
	6	23,054	4,925	3,771	9,456	3,212	101	794	789	6.1
	7	25,285	6,370	4,746	8,877	3,511	136	918	722	6.4
	8	26,836	6,996	4,923	9,721	3,303	84	876	925	6.5
	9	24,030	5,812	4,043	9,326	3,375	64	724	680	6.0
	10	24,299	5,304	3,902	10,114	3,637	50	717	570	4.8
	11	24,228	5,069	5,190	9,112	3,439	43	679	693	4.5
	12	28,183	6,504	6,805	9,789	3,560	45	798	674	6.0
2025 <sup>P</sup>	1	27,723	6,215	7,104	9,057	3,811	47	806	675	7.9
2024 <sup>P</sup>	1-1	29,029	6,952	7,046	10,360	3,187	47	823	606	7.9
2025 <sup>P</sup>	1-1	27,723	6,215	7,104	9,057	3,811	47	806	675	7.9

1. 지역난방이 아닌 상용자가업체 열생산량을 의미

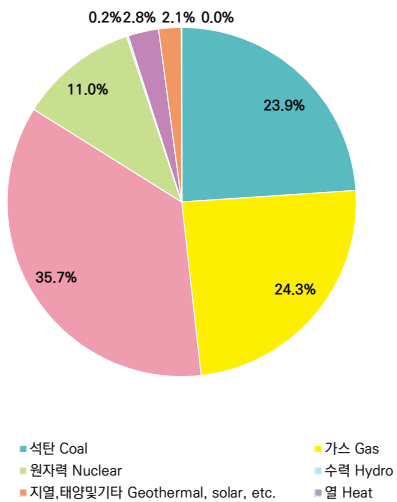
1. Heat production by autoproducer plants

## 일차에너지공급 원별 구성비 Share of Energy Sources in TPES

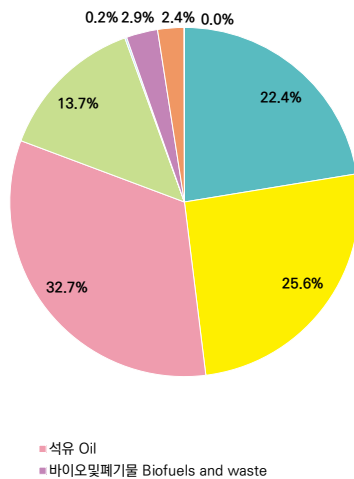
〈2004~2024〉



## 2024년 1월 January 2024



## 2025년 1월 January 2025



## 1.6 일차에너지공급 원별 구성비

## Share of Energy Sources in TPES

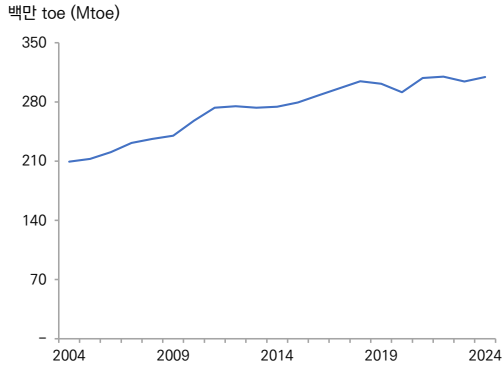
		합계 Total	석탄 Coal	가스 Gas	석유 Oil	원자력 Nuclear	수력 Hydro	바이오및폐기물 Biofuels and waste	지열, 태양및기타 Geothermal, solar, etc.	열 <sup>1</sup> Heat <sup>1</sup>
		%								
1990		100.0	27.3	3.3	52.8	14.7	1.8	0.0	0.0	0.0
1995		100.0	21.4	6.1	60.3	11.5	0.5	0.2	0.0	0.0
2000		100.0	23.6	10.8	49.6	14.9	0.5	0.6	0.0	0.0
2002		100.0	24.4	12.1	47.1	15.2	0.4	0.8	0.0	0.0
2003		100.0	24.4	12.0	46.0	16.1	0.6	0.9	0.0	0.0
2004		100.0	25.3	13.6	43.7	15.9	0.5	1.0	0.0	0.0
2005		100.0	25.1	14.4	41.8	17.4	0.4	0.9	0.0	0.0
2006		100.0	25.1	14.8	41.4	17.2	0.4	1.0	0.0	0.0
2007		100.0	25.5	15.2	44.4	13.5	0.3	1.1	0.1	0.0
2008		100.0	28.1	14.6	41.7	14.0	0.3	1.2	0.1	0.0
2009		100.0	28.1	14.8	42.1	13.3	0.3	1.3	0.1	0.0
2010		100.0	29.9	16.4	39.4	12.6	0.3	1.3	0.2	0.0
2011		100.0	30.6	17.6	37.4	12.4	0.4	1.4	0.2	0.1
2012		100.0	29.4	18.4	38.2	11.8	0.3	1.6	0.2	0.0
2013		100.0	29.9	19.3	37.6	10.9	0.3	1.7	0.3	0.0
2014		100.0	30.5	17.5	37.2	12.2	0.2	2.1	0.4	0.0
2015		100.0	30.2	15.9	38.4	12.6	0.2	2.2	0.5	0.0
2016		100.0	29.1	15.8	40.1	11.9	0.2	2.2	0.6	0.0
2017		100.0	30.2	16.4	39.1	10.7	0.2	2.5	0.8	0.0
2018		100.0	30.2	18.3	38.1	9.5	0.2	2.7	1.0	0.0
2019		100.0	28.6	18.1	38.8	10.4	0.2	2.6	1.3	0.0
2020		100.0	26.6	18.9	37.8	11.9	0.3	2.6	1.8	0.0
2021		100.0	25.6	19.8	38.3	11.2	0.2	2.7	2.1	0.0
2022		100.0	25.0	19.5	37.7	12.3	0.2	2.7	2.5	0.0
2023 <sup>p</sup>		100.0	24.8	19.0	37.3	12.9	0.3	3.0	2.7	0.0
2024 <sup>p</sup>		100.0	22.9	20.1	37.5	13.3	0.3	3.1	2.8	0.0
2023 <sup>p</sup>	1	100.0	23.1	24.4	35.6	12.0	0.2	2.6	2.1	0.0
	2	100.0	23.7	24.2	35.5	11.6	0.1	2.7	2.2	0.0
	3	100.0	24.9	16.9	39.6	12.8	0.2	3.1	2.5	0.0
	4	100.0	23.4	18.7	38.0	12.9	0.2	3.3	3.5	0.0
	5	100.0	24.3	16.7	39.3	13.2	0.3	3.1	3.1	0.0
	6	100.0	26.0	17.3	37.2	13.0	0.3	3.1	3.0	0.0
	7	100.0	25.9	16.9	37.5	13.3	0.6	3.3	2.5	0.0
	8	100.0	29.4	15.6	35.1	13.3	0.4	3.2	3.1	0.0
	9	100.0	25.5	16.1	38.1	13.8	0.4	3.3	2.8	0.0
	10	100.0	24.4	17.9	38.7	13.3	0.3	2.8	2.7	0.0
	11	100.0	22.3	19.4	38.9	13.6	0.2	2.8	2.9	0.0
	12	100.0	24.5	22.9	35.0	12.5	0.2	2.8	2.1	0.0
2024 <sup>p</sup>	1	100.0	23.9	24.3	35.7	11.0	0.2	2.8	2.1	0.0
	2	100.0	24.0	24.7	34.2	12.2	0.2	2.9	1.8	0.0
	3	100.0	19.9	21.3	39.0	13.6	0.2	3.2	2.7	0.0
	4	100.0	21.9	19.4	38.7	12.8	0.5	3.2	3.5	0.0
	5	100.0	22.0	17.6	39.2	14.2	0.5	3.1	3.5	0.0
	6	100.0	21.4	16.4	41.0	13.9	0.4	3.4	3.4	0.0
	7	100.0	25.2	18.8	35.1	13.9	0.5	3.6	2.9	0.0
	8	100.0	26.1	18.3	36.2	12.3	0.3	3.3	3.4	0.0
	9	100.0	24.2	16.8	38.8	14.0	0.3	3.0	2.8	0.0
	10	100.0	21.8	16.1	41.6	15.0	0.2	3.0	2.3	0.0
	11	100.0	20.9	21.4	37.6	14.2	0.2	2.8	2.9	0.0
	12	100.0	23.1	24.1	34.7	12.6	0.2	2.8	2.4	0.0
2025 <sup>p</sup>	1	100.0	22.4	25.6	32.7	13.7	0.2	2.9	2.4	0.0
2024 <sup>p</sup>	1-1	100.0	23.9	24.3	35.7	11.0	0.2	2.8	2.1	0.0
2025 <sup>p</sup>	1-1	100.0	22.4	25.6	32.7	13.7	0.2	2.9	2.4	0.0

1. 지역난방이 아닌 상용자가업체 열생산량을 의미

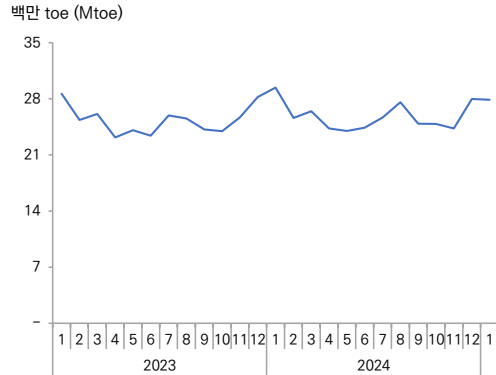
1. Heat production by autoproducer plants

## ● 일차에너지소비 Total Primary Energy Consumption

〈2004~2024〉

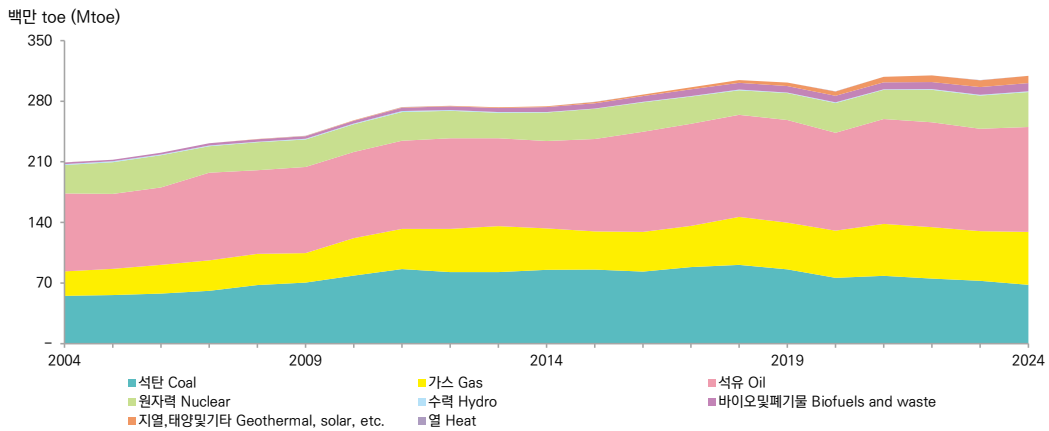


〈2023.1~2025.1〉

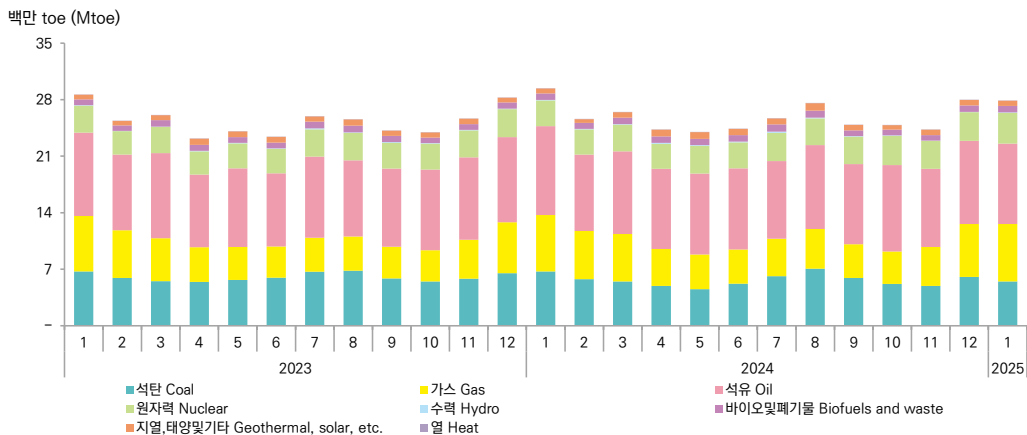


## ● 에너지원별 일차에너지소비 Total Primary Energy Consumption by Source

〈2004~2024〉



〈2023.1~2025.1〉



## 1.7 일차에너지소비

## Total Primary Energy Consumption

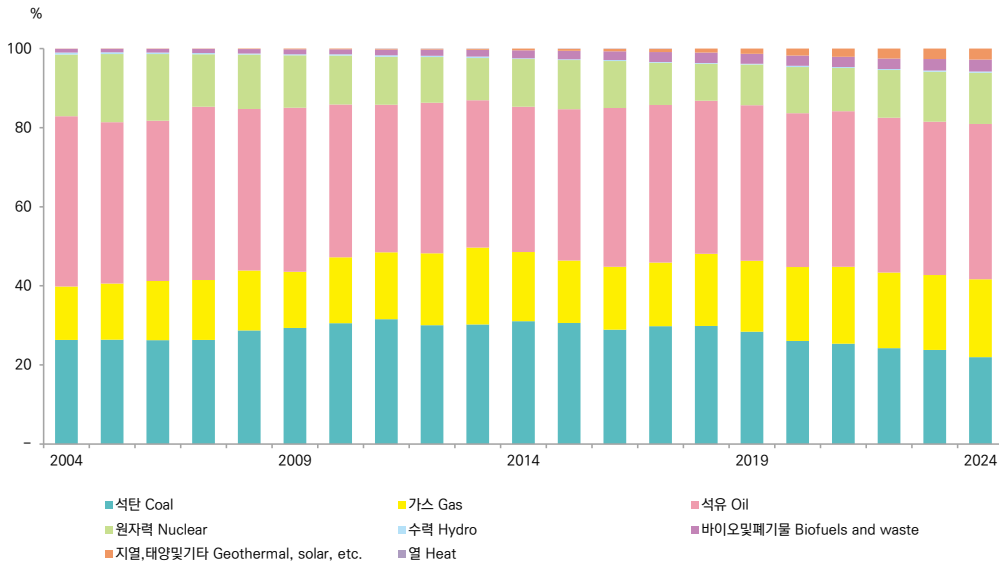
		합계 Total	석탄 Coal	가스 Gas	석유 Oil	원자력 Nuclear	수력 Hydro	바이오및폐기물 Biofuels and waste	지열, 태양및기타 Geothermal, solar, etc.	열 <sup>1</sup> Heat <sup>1</sup>
		1,000 toe								
1990		89,775	25,217	3,280	46,466	13,222	1,571	6	10	3.3
1995		144,202	29,513	10,236	86,664	16,757	690	315	23	3.3
2000		183,965	44,204	19,322	91,050	27,241	1,002	1,088	47	9.8
2002		198,607	50,388	22,947	93,118	29,776	808	1,516	40	13.5
2003		205,092	52,325	24,055	93,253	32,418	1,226	1,754	41	20.2
2004		209,408	55,201	28,224	90,152	32,679	1,082	1,999	52	19.3
2005		212,573	56,113	30,194	86,696	36,695	919	1,873	73	11.6
2006		220,646	57,992	33,026	89,343	37,187	867	2,108	107	16.7
2007		231,504	60,957	35,142	101,312	30,731	781	2,430	137	13.9
2008		236,284	67,813	35,944	96,456	32,456	660	2,718	199	37.8
2009		240,029	70,422	34,140	99,586	31,771	616	3,103	343	48.5
2010		257,952	78,777	43,019	99,623	31,948	797	3,274	499	15.8
2011		273,215	86,200	46,261	101,881	33,265	989	3,881	602	135.3
2012		274,822	82,677	49,819	104,779	31,719	838	4,245	622	123.7
2013		273,047	82,627	53,059	101,615	29,283	906	4,631	811	113.2
2014		274,299	85,158	48,009	100,846	33,002	581	5,585	1,051	68.0
2015		279,260	85,526	44,147	106,787	34,765	454	6,011	1,444	125.2
2016		287,814	83,283	45,822	115,546	34,181	603	6,447	1,814	117.3
2017		296,194	88,328	47,715	117,864	31,615	601	7,518	2,426	127.2
2018		304,474	90,962	55,450	117,829	28,437	719	7,985	3,024	68.3
2019		301,516	85,737	54,023	118,473	31,079	594	7,603	3,940	66.3
2020		291,347	75,912	54,537	113,254	34,119	826	7,479	5,146	73.1
2021		308,313	78,233	60,072	121,261	33,657	651	8,052	6,320	67.6
2022		309,897	75,134	59,381	121,149	37,500	755	8,252	7,657	69.3
2023 <sup>P</sup>		304,300	72,484	57,628	117,975	38,445	792	8,942	7,960	72.7
2024 <sup>P</sup>		309,428	67,974	61,056	121,333	40,205	917	9,400	8,473	70.7
2023 <sup>P</sup>	1	28,639	6,725	6,869	10,337	3,335	44	737	586	7.9
	2	25,374	5,933	5,889	9,377	2,898	36	676	559	5.2
	3	26,098	5,529	5,323	10,548	3,237	39	788	628	6.2
	4	23,187	5,439	4,302	8,985	2,890	41	737	786	5.9
	5	24,084	5,688	4,071	9,743	3,080	63	717	717	5.7
	6	23,390	5,967	3,840	9,078	3,018	68	720	693	6.3
	7	25,929	6,693	4,201	10,050	3,370	145	836	627	6.4
	8	25,564	6,823	4,219	9,452	3,381	90	814	778	6.7
	9	24,166	5,859	3,919	9,687	3,193	97	760	645	6.1
	10	23,951	5,501	3,849	9,980	3,224	61	676	656	5.0
	11	25,672	5,832	4,822	10,208	3,348	49	703	707	4.8
	12	28,244	6,496	6,324	10,529	3,472	59	779	578	6.5
2024 <sup>P</sup>	1	29,403	6,717	6,992	11,024	3,187	47	823	606	7.9
	2	25,608	5,775	5,975	9,454	3,135	53	745	467	5.2
	3	26,449	5,504	5,851	10,246	3,320	61	792	668	6.1
	4	24,293	4,939	4,582	9,907	3,113	123	779	844	5.5
	5	23,981	4,537	4,307	10,011	3,413	111	761	836	5.6
	6	24,394	5,204	4,247	10,048	3,212	101	788	789	6.1
	7	25,685	6,142	4,645	9,601	3,511	136	921	722	6.4
	8	27,570	7,078	4,903	10,397	3,303	84	873	925	6.5
	9	24,890	5,934	4,153	9,951	3,375	64	726	680	6.0
	10	24,866	5,173	4,022	10,694	3,637	50	716	570	4.8
	11	24,310	4,937	4,815	9,700	3,439	43	679	693	4.5
	12	27,981	6,034	6,564	10,299	3,560	45	797	674	6.0
2025 <sup>P</sup>	1	27,901	5,489	7,108	9,958	3,811	47	804	675	7.9
2024 <sup>P</sup>	1-1	29,403	6,717	6,992	11,024	3,187	47	823	606	7.9
2025 <sup>P</sup>	1-1	27,901	5,489	7,108	9,958	3,811	47	804	675	7.9

1. 지역난방이 아닌 상용자가업체 열생산량을 의미

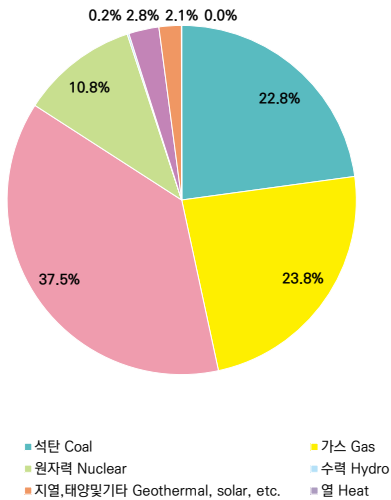
1. Heat production by autoproducer plants

## 일차에너지소비 원별 구성비 Share of Energy Sources in TPEC

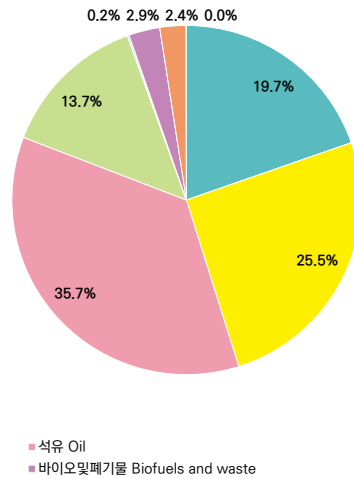
〈2004~2024〉



## 2024년 1월 January 2024



## 2025년 1월 January 2025



## 1.8 일차에너지소비 원별 구성비

## Share of Energy Sources in TPEC

		합계 Total	석탄 Coal	가스 Gas	석유 Oil	원자력 Nuclear	수력 Hydro	바이오및폐기물 Biofuels and waste	지열, 태양및기타 Geothermal, solar, etc.	열 <sup>1</sup> Heat <sup>1</sup>
		%								
1990		100.0	28.1	3.7	51.8	14.7	1.7	0.0	0.0	0.0
1995		100.0	20.5	7.1	60.1	11.6	0.5	0.2	0.0	0.0
2000		100.0	24.0	10.5	49.5	14.8	0.5	0.6	0.0	0.0
2002		100.0	25.4	11.6	46.9	15.0	0.4	0.8	0.0	0.0
2003		100.0	25.5	11.7	45.5	15.8	0.6	0.9	0.0	0.0
2004		100.0	26.4	13.5	43.1	15.6	0.5	1.0	0.0	0.0
2005		100.0	26.4	14.2	40.8	17.3	0.4	0.9	0.0	0.0
2006		100.0	26.3	15.0	40.5	16.9	0.4	1.0	0.0	0.0
2007		100.0	26.3	15.2	43.8	13.3	0.3	1.0	0.1	0.0
2008		100.0	28.7	15.2	40.8	13.7	0.3	1.2	0.1	0.0
2009		100.0	29.3	14.2	41.5	13.2	0.3	1.3	0.1	0.0
2010		100.0	30.5	16.7	38.6	12.4	0.3	1.3	0.2	0.0
2011		100.0	31.6	16.9	37.3	12.2	0.4	1.4	0.2	0.0
2012		100.0	30.1	18.1	38.1	11.5	0.3	1.5	0.2	0.0
2013		100.0	30.3	19.4	37.2	10.7	0.3	1.7	0.3	0.0
2014		100.0	31.0	17.5	36.8	12.0	0.2	2.0	0.4	0.0
2015		100.0	30.6	15.8	38.2	12.4	0.2	2.2	0.5	0.0
2016		100.0	28.9	15.9	40.1	11.9	0.2	2.2	0.6	0.0
2017		100.0	29.8	16.1	39.8	10.7	0.2	2.5	0.8	0.0
2018		100.0	29.9	18.2	38.7	9.3	0.2	2.6	1.0	0.0
2019		100.0	28.4	17.9	39.3	10.3	0.2	2.5	1.3	0.0
2020		100.0	26.1	18.7	38.9	11.7	0.3	2.6	1.8	0.0
2021		100.0	25.4	19.5	39.3	10.9	0.2	2.6	2.0	0.0
2022		100.0	24.2	19.2	39.1	12.1	0.2	2.7	2.5	0.0
2023 <sup>p</sup>		100.0	23.8	18.9	38.8	12.6	0.3	2.9	2.6	0.0
2024 <sup>p</sup>		100.0	22.0	19.7	39.2	13.0	0.3	3.0	2.7	0.0
2023 <sup>p</sup>	1	100.0	23.5	24.0	36.1	11.6	0.2	2.6	2.0	0.0
	2	100.0	23.4	23.2	37.0	11.4	0.1	2.7	2.2	0.0
	3	100.0	21.2	20.4	40.4	12.4	0.1	3.0	2.4	0.0
	4	100.0	23.5	18.6	38.7	12.5	0.2	3.2	3.4	0.0
	5	100.0	23.6	16.9	40.5	12.8	0.3	3.0	3.0	0.0
	6	100.0	25.5	16.4	38.8	12.9	0.3	3.1	3.0	0.0
	7	100.0	25.8	16.2	38.8	13.0	0.6	3.2	2.4	0.0
	8	100.0	26.7	16.5	37.0	13.2	0.4	3.2	3.0	0.0
	9	100.0	24.2	16.2	40.1	13.2	0.4	3.1	2.7	0.0
	10	100.0	23.0	16.1	41.7	13.5	0.3	2.8	2.7	0.0
	11	100.0	22.7	18.8	39.8	13.0	0.2	2.7	2.8	0.0
	12	100.0	23.0	22.4	37.3	12.3	0.2	2.8	2.0	0.0
2024 <sup>p</sup>	1	100.0	22.8	23.8	37.5	10.8	0.2	2.8	2.1	0.0
	2	100.0	22.5	23.3	36.9	12.2	0.2	2.9	1.8	0.0
	3	100.0	20.8	22.1	38.7	12.6	0.2	3.0	2.5	0.0
	4	100.0	20.3	18.9	40.8	12.8	0.5	3.2	3.5	0.0
	5	100.0	18.9	18.0	41.7	14.2	0.5	3.2	3.5	0.0
	6	100.0	21.3	17.4	41.2	13.2	0.4	3.2	3.2	0.0
	7	100.0	23.9	18.1	37.4	13.7	0.5	3.6	2.8	0.0
	8	100.0	25.7	17.8	37.7	12.0	0.3	3.2	3.4	0.0
	9	100.0	23.8	16.7	40.0	13.6	0.3	2.9	2.7	0.0
	10	100.0	20.8	16.2	43.0	14.6	0.2	2.9	2.3	0.0
	11	100.0	20.3	19.8	39.9	14.1	0.2	2.8	2.8	0.0
	12	100.0	21.6	23.5	36.8	12.7	0.2	2.9	2.4	0.0
2025 <sup>p</sup>	1	100.0	19.7	25.5	35.7	13.7	0.2	2.9	2.4	0.0
2024 <sup>p</sup>	1-1	100.0	22.8	23.8	37.5	10.8	0.2	2.8	2.1	0.0
2025 <sup>p</sup>	1-1	100.0	19.7	25.5	35.7	13.7	0.2	2.9	2.4	0.0

1. 지역난방이 아닌 상용자가업체 열생산량을 의미

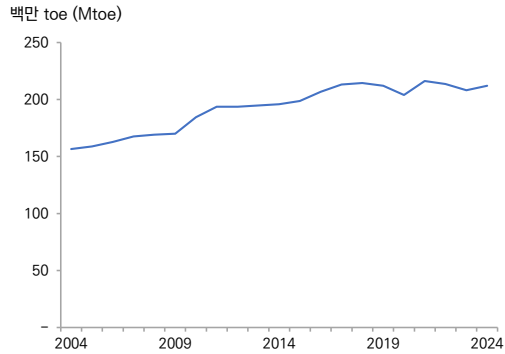
1. Heat production by autoproducer plants



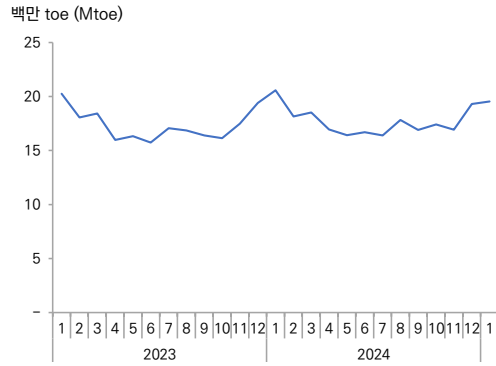


## ● 최종소비 Total Final Consumption

〈2004~2024〉

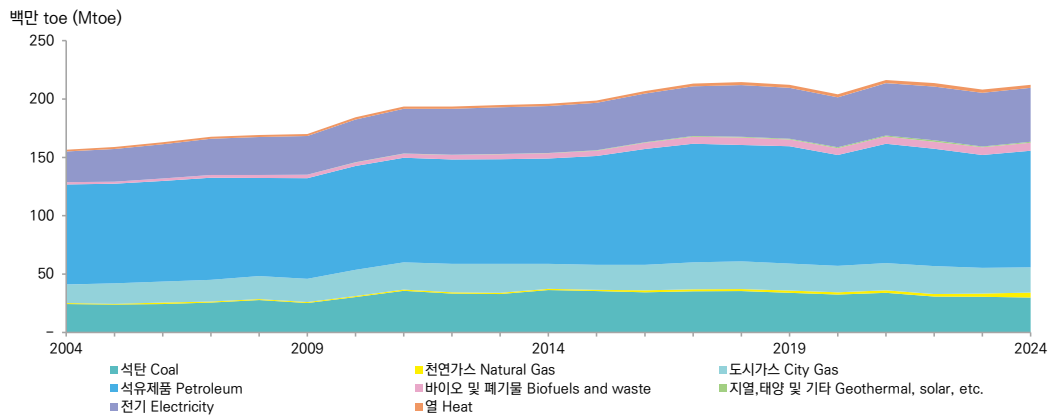


〈2023.1~2025.1〉

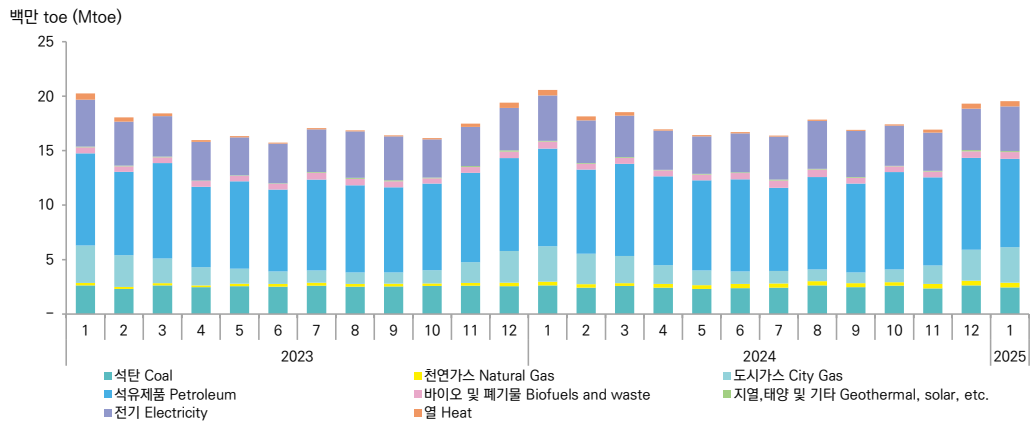


## ● 에너지원별 최종소비 Total Final Consumption by Source

〈2004~2024〉



〈2023.1~2025.1〉



## 2.1 최종소비

## Total Final Consumption

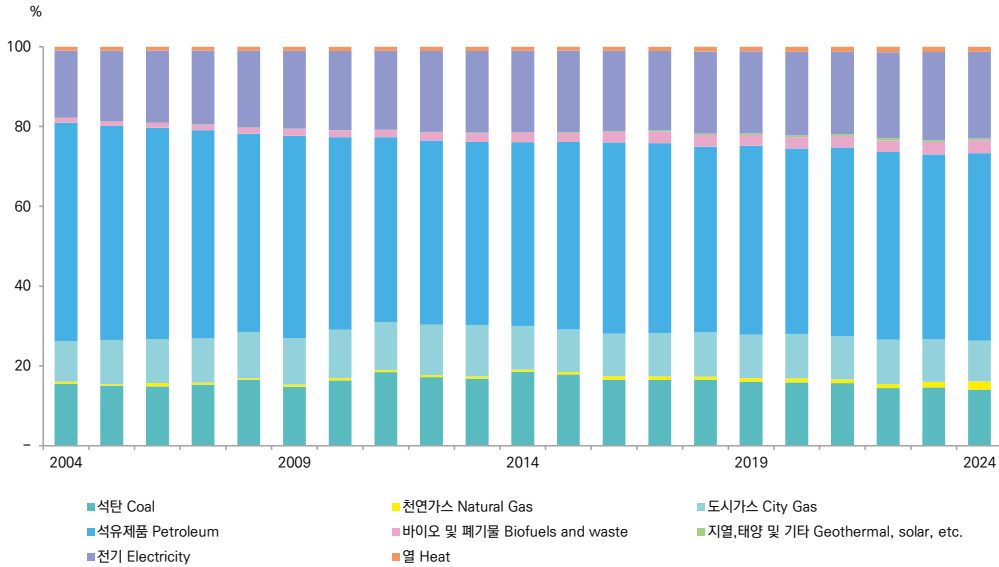
		합계 <sup>1</sup> Total <sup>1</sup>	석탄 Coal	천연가스 Natural Gas	도시가스 City Gas	석유제품 Petroleum	바이오 및 폐기물 Biofuels and waste	지열, 태양 및 기타 Geothermal, solar, etc.	전기 Electricity	열 Heat
		1,000 toe								
1990		71,149	20,528	5	1,012	41,591	6	10	7,997	-
1995		116,507	19,422	12	5,452	76,814	315	23	13,832	637
2000		140,956	21,217	207	12,510	84,409	1,088	45	20,273	1,208
2002		150,380	22,827	623	14,305	86,294	1,487	37	23,584	1,224
2003		154,107	23,744	595	15,212	86,604	1,720	36	24,796	1,395
2004		156,559	24,394	765	15,912	85,685	1,954	42	26,353	1,449
2005		158,920	23,826	632	17,672	85,207	1,818	42	28,072	1,652
2006		162,883	24,264	1,318	17,963	86,255	2,059	48	29,427	1,549
2007		167,623	25,694	838	18,599	87,399	2,354	53	31,108	1,576
2008		169,049	27,864	714	19,632	84,044	2,596	63	32,467	1,669
2009		170,068	25,145	910	19,810	86,249	2,919	75	33,235	1,715
2010		184,372	30,256	960	22,361	88,981	3,168	93	36,595	1,953
2011		193,576	35,732	999	23,288	89,678	3,483	117	38,325	1,954
2012		193,602	33,267	1,060	24,464	89,321	3,994	146	39,264	2,085
2013		194,844	32,819	1,041	24,972	89,530	4,299	190	39,943	2,049
2014		195,827	36,317	1,018	21,488	90,177	4,529	256	40,103	1,938
2015		198,618	35,479	1,132	21,305	93,333	4,510	322	40,630	1,905
2016		206,742	34,307	1,783	21,928	99,092	5,457	406	41,692	2,075
2017		213,147	35,171	1,829	23,122	101,576	6,031	534	42,582	2,300
2018		214,407	35,377	1,785	23,793	99,734	6,397	643	44,139	2,535
2019		212,132	34,046	1,927	23,094	100,457	5,751	757	43,628	2,471
2020		203,956	32,387	2,078	22,632	94,865	5,826	842	42,733	2,592
2021		216,245	33,915	2,097	23,382	102,260	6,241	900	44,748	2,701
2022		213,572	30,842	2,120	23,837	100,520	6,159	1,106	46,041	2,946
2023 <sup>P</sup>		208,172	30,507	2,827	22,105	96,585	6,542	813	45,982	2,809
2024 <sup>P</sup>		212,126	29,871	4,312	21,665	99,733	6,900	859	46,146	2,640
2023 <sup>P</sup>	1	20,247	2,626	222	3,458	8,450	552	65	4,313	562
	2	18,060	2,299	192	2,918	7,647	503	61	4,037	404
	3	18,429	2,624	222	2,256	8,760	532	56	3,708	272
	4	15,979	2,474	160	1,667	7,390	511	54	3,560	163
	5	16,335	2,554	236	1,378	8,020	498	52	3,479	118
	6	15,740	2,515	245	1,143	7,524	524	60	3,632	96
	7	17,066	2,605	271	1,120	8,350	612	68	3,932	108
	8	16,864	2,516	245	1,056	7,993	617	78	4,257	101
	9	16,405	2,536	250	1,045	7,808	556	72	4,050	87
	10	16,152	2,572	234	1,226	7,938	496	59	3,506	121
	11	17,483	2,615	234	1,923	8,192	540	75	3,611	293
	12	19,412	2,571	317	2,915	8,513	603	112	3,896	486
2024 <sup>P</sup>	1	20,578	2,638	346	3,246	8,951	641	78	4,175	502
	2	18,157	2,426	323	2,798	7,705	547	60	3,925	373
	3	18,526	2,583	253	2,505	8,442	556	66	3,807	314
	4	16,963	2,429	347	1,708	8,155	545	56	3,588	135
	5	16,416	2,301	359	1,351	8,272	523	58	3,447	106
	6	16,693	2,372	388	1,148	8,457	577	63	3,589	99
	7	16,389	2,434	380	1,146	7,640	665	73	3,950	102
	8	17,840	2,632	384	1,080	8,487	673	79	4,406	98
	9	16,900	2,472	356	994	8,153	533	74	4,234	84
	10	17,411	2,596	331	1,159	8,940	524	59	3,695	106
	11	16,935	2,355	405	1,698	8,102	512	77	3,516	269
	12	19,318	2,631	440	2,832	8,429	603	116	3,814	452
2025 <sup>P</sup>	1	19,550	2,447	429	3,257	8,117	625	86	4,107	480
2024 <sup>P</sup>	1-1	20,578	2,638	346	3,246	8,951	641	78	4,175	502
2025 <sup>P</sup>	1-1	19,550	2,447	429	3,257	8,117	625	86	4,107	480

1. 수력 포함

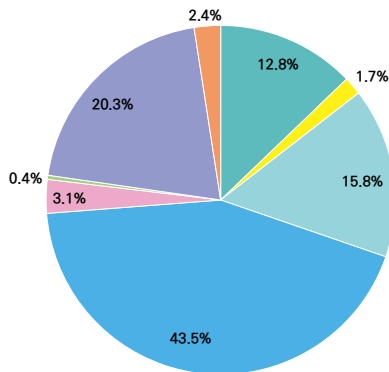
1. Includes Hydro.

## ● 최종소비 원별 구성비 Share of Energy Sources in TFC

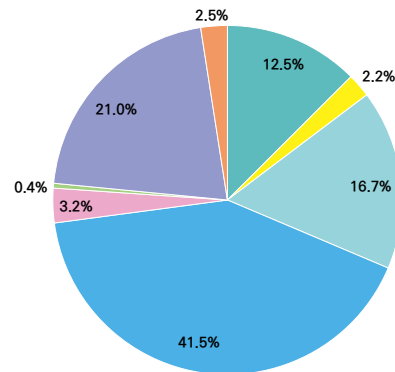
〈2004~2024〉



## ● 2024년 1월 January 2024



## ● 2025년 1월 January 2025



## 2.2 최종소비 원별 구성비

## Share of Energy Sources in TFC

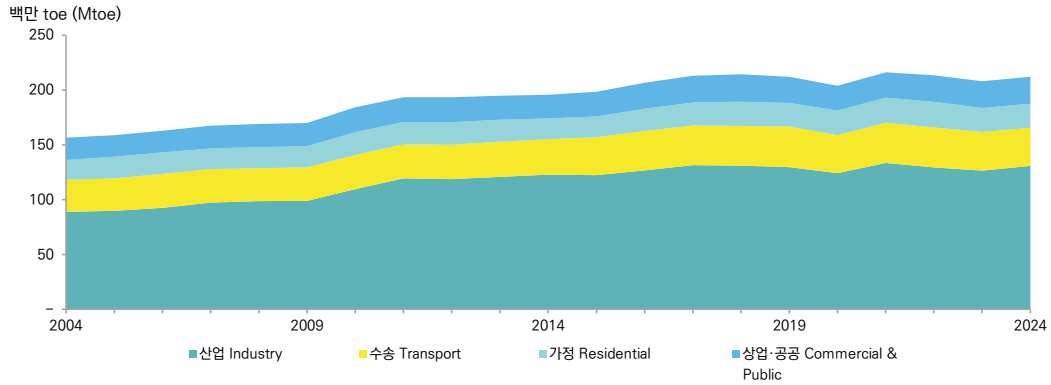
		합계 <sup>1</sup> Total <sup>1</sup>	석탄 Coal	천연가스 Natural Gas	도시가스 City Gas	석유제품 Petroleum	바이오 및 폐기물 Biofuels and waste	지열, 태양 및 기타 Geothermal, solar, etc.	전기 Electricity	열 Heat
		%								
1990		100.0	28.9	0.0	1.4	58.5	0.0	0.0	11.2	-
1995		100.0	16.7	0.0	4.7	65.9	0.3	0.0	11.9	0.5
2000		100.0	15.1	0.1	8.9	59.9	0.8	0.0	14.4	0.9
2002		100.0	15.2	0.4	9.5	57.4	1.0	0.0	15.7	0.8
2003		100.0	15.4	0.4	9.9	56.2	1.1	0.0	16.1	0.9
2004		100.0	15.6	0.5	10.2	54.7	1.2	0.0	16.8	0.9
2005		100.0	15.0	0.4	11.1	53.6	1.1	0.0	17.7	1.0
2006		100.0	14.9	0.8	11.0	53.0	1.3	0.0	18.1	1.0
2007		100.0	15.3	0.5	11.1	52.1	1.4	0.0	18.6	0.9
2008		100.0	16.5	0.4	11.6	49.7	1.5	0.0	19.2	1.0
2009		100.0	14.8	0.5	11.6	50.7	1.7	0.0	19.5	1.0
2010		100.0	16.4	0.5	12.1	48.3	1.7	0.1	19.8	1.1
2011		100.0	18.5	0.5	12.0	46.3	1.8	0.1	19.8	1.0
2012		100.0	17.2	0.5	12.6	46.1	2.1	0.1	20.3	1.1
2013		100.0	16.8	0.5	12.8	45.9	2.2	0.1	20.5	1.1
2014		100.0	18.5	0.5	11.0	46.0	2.3	0.1	20.5	1.0
2015		100.0	17.9	0.6	10.7	47.0	2.3	0.2	20.5	1.0
2016		100.0	16.6	0.9	10.6	47.9	2.6	0.2	20.2	1.0
2017		100.0	16.5	0.9	10.8	47.7	2.8	0.3	20.0	1.1
2018		100.0	16.5	0.8	11.1	46.5	3.0	0.3	20.6	1.2
2019		100.0	16.0	0.9	10.9	47.4	2.7	0.4	20.6	1.2
2020		100.0	15.9	1.0	11.1	46.5	2.9	0.4	21.0	1.3
2021		100.0	15.7	1.0	10.8	47.3	2.9	0.4	20.7	1.2
2022		100.0	14.4	1.0	11.2	47.1	2.9	0.5	21.6	1.4
2023 <sup>P</sup>		100.0	14.7	1.4	10.6	46.4	3.1	0.4	22.1	1.3
2024 <sup>P</sup>		100.0	14.1	2.0	10.2	47.0	3.3	0.4	21.8	1.2
2023 <sup>P</sup>	1	100.0	13.0	1.1	17.1	41.7	2.7	0.3	21.3	2.8
	2	100.0	12.7	1.1	16.2	42.3	2.8	0.3	22.4	2.2
	3	100.0	14.2	1.2	12.2	47.5	2.9	0.3	20.1	1.5
	4	100.0	15.5	1.0	10.4	46.3	3.2	0.3	22.3	1.0
	5	100.0	15.6	1.4	8.4	49.1	3.1	0.3	21.3	0.7
	6	100.0	16.0	1.6	7.3	47.8	3.3	0.4	23.1	0.6
	7	100.0	15.3	1.6	6.6	48.9	3.6	0.4	23.0	0.6
	8	100.0	14.9	1.5	6.3	47.4	3.7	0.5	25.2	0.6
	9	100.0	15.5	1.5	6.4	47.6	3.4	0.4	24.7	0.5
	10	100.0	15.9	1.4	7.6	49.1	3.1	0.4	21.7	0.8
	11	100.0	15.0	1.3	11.0	46.9	3.1	0.4	20.7	1.7
	12	100.0	13.2	1.6	15.0	43.9	3.1	0.6	20.1	2.5
2024 <sup>P</sup>	1	100.0	12.8	1.7	15.8	43.5	3.1	0.4	20.3	2.4
	2	100.0	13.4	1.8	15.4	42.4	3.0	0.3	21.6	2.1
	3	100.0	13.9	1.4	13.5	45.6	3.0	0.4	20.5	1.7
	4	100.0	14.3	2.0	10.1	48.1	3.2	0.3	21.1	0.8
	5	100.0	14.0	2.2	8.2	50.4	3.2	0.4	21.0	0.6
	6	100.0	14.2	2.3	6.9	50.7	3.5	0.4	21.5	0.6
	7	100.0	14.9	2.3	7.0	46.6	4.1	0.4	24.1	0.6
	8	100.0	14.8	2.2	6.1	47.6	3.8	0.4	24.7	0.6
	9	100.0	14.6	2.1	5.9	48.2	3.2	0.4	25.1	0.5
	10	100.0	14.9	1.9	6.7	51.3	3.0	0.3	21.2	0.6
	11	100.0	13.9	2.4	10.0	47.8	3.0	0.5	20.8	1.6
	12	100.0	13.6	2.3	14.7	43.6	3.1	0.6	19.7	2.3
2025 <sup>P</sup>	1	100.0	12.5	2.2	16.7	41.5	3.2	0.4	21.0	2.5
2024 <sup>P</sup>	1-1	100.0	12.8	1.7	15.8	43.5	3.1	0.4	20.3	2.4
2025 <sup>P</sup>	1-1	100.0	12.5	2.2	16.7	41.5	3.2	0.4	21.0	2.5

1. 수력 포함

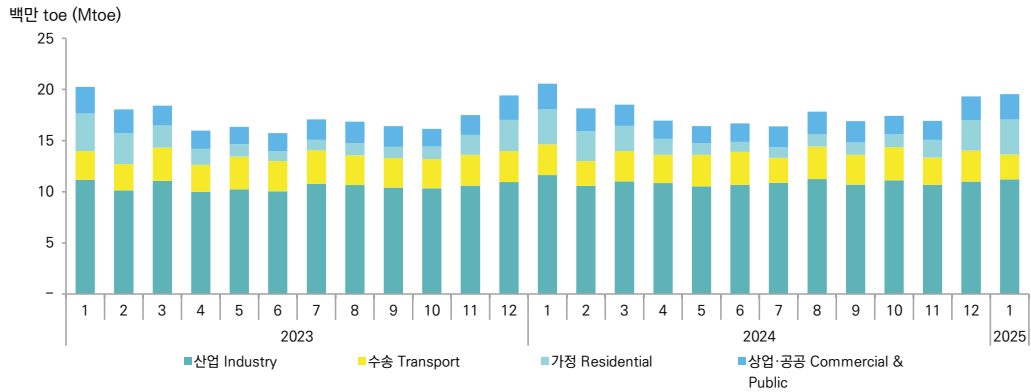
1. Includes Hydro.

## ● 부문별 최종소비 Total Final Consumption by Sector

〈2004~2024〉

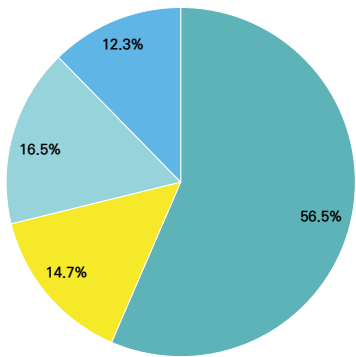


〈2023.1~2025.1〉

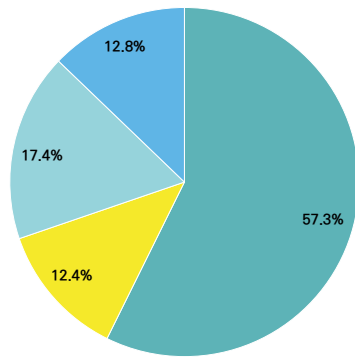


● 2024년 1월 January 2024

● 2025년 1월 January 2025



■ 산업 Industry ■ 수송 Transport ■ 가정 Residential ■ 상업·공공 Commercial & Public



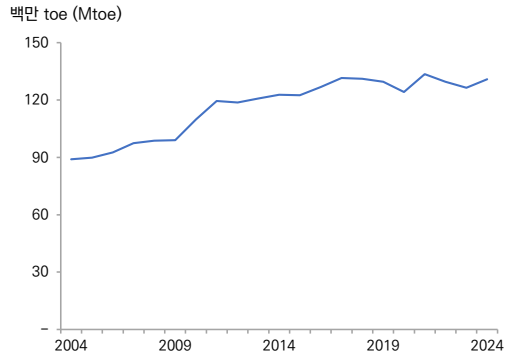
## 2.3 부문별 최종소비

## Total Final Consumption by Sector

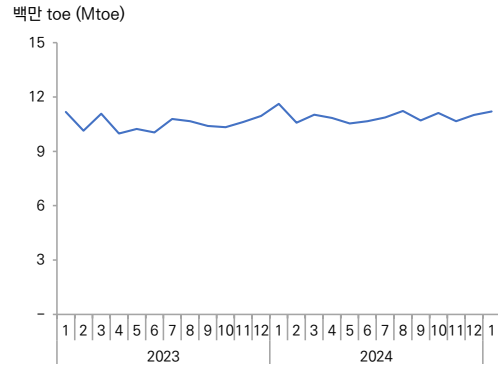
		전환자체소비	합계	산업	수송	가정	상업·공공
		Transformation own use	Total	Industry	Transport	Residential	Commercial & Public
		1,000 toe					
1990		1,529	71,149	36,798	12,140	11,262	10,948
1995		2,389	116,507	62,275	22,920	10,712	20,600
2000		6,260	140,956	80,962	25,007	16,284	18,703
2002		5,715	150,380	85,166	28,007	17,791	19,416
2003		5,883	154,107	86,781	29,001	17,877	20,448
2004		6,412	156,559	89,006	29,178	18,063	20,312
2005		6,345	158,920	89,812	29,729	19,754	19,625
2006		6,296	162,883	92,597	30,928	19,612	19,745
2007		6,423	167,623	97,376	30,496	18,872	20,879
2008		6,942	169,049	98,690	30,007	19,347	21,004
2009		6,773	170,068	99,033	30,389	19,349	21,297
2010		6,597	184,372	109,779	31,009	20,733	22,851
2011		7,291	193,576	119,520	31,016	20,490	22,550
2012		7,411	193,602	118,736	31,502	20,401	22,963
2013		7,057	194,844	120,846	32,017	20,166	21,816
2014		8,507	195,827	122,824	32,406	18,876	21,722
2015		8,084	198,618	122,434	34,509	18,939	22,735
2016		8,347	206,742	126,809	36,029	20,150	23,754
2017		8,051	213,147	131,574	36,260	20,927	24,386
2018		9,710	214,407	131,130	36,227	22,122	24,929
2019		9,939	212,132	129,609	37,193	21,560	23,770
2020		9,876	203,956	124,223	34,745	22,356	22,632
2021		10,009	216,245	133,541	36,636	22,940	23,128
2022		9,801	213,572	129,553	36,293	23,560	24,165
2023 <sup>P</sup>		10,087	208,172	126,412	35,316	22,058	24,385
2024 <sup>P</sup>		10,650	212,126	130,892	34,907	21,820	24,506
2023 <sup>P</sup>	1	870	20,247	11,174	2,809	3,645	2,619
	2	792	18,060	10,140	2,570	2,995	2,356
	3	795	18,429	11,078	3,238	2,138	1,975
	4	781	15,979	9,985	2,654	1,564	1,776
	5	850	16,335	10,232	3,199	1,206	1,699
	6	717	15,740	10,042	2,962	962	1,774
	7	847	17,066	10,784	3,264	1,028	1,990
	8	820	16,864	10,665	2,895	1,162	2,142
	9	843	16,405	10,406	2,879	1,112	2,008
	10	874	16,152	10,331	2,851	1,231	1,739
	11	894	17,483	10,617	2,984	1,954	1,929
	12	1,003	19,412	10,957	3,011	3,063	2,381
2024 <sup>P</sup>	1	989	20,578	11,623	3,020	3,397	2,538
	2	922	18,157	10,581	2,422	2,891	2,263
	3	891	18,526	11,024	2,959	2,460	2,083
	4	849	16,963	10,840	2,762	1,558	1,803
	5	874	16,416	10,541	3,060	1,133	1,682
	6	826	16,693	10,671	3,242	971	1,809
	7	892	16,389	10,878	2,446	1,033	2,032
	8	910	17,840	11,233	3,170	1,230	2,207
	9	863	16,900	10,703	2,908	1,200	2,089
	10	827	17,411	11,123	3,242	1,243	1,803
	11	841	16,935	10,669	2,666	1,745	1,855
	12	966	19,318	11,008	3,011	2,959	2,341
2025 <sup>P</sup>	1	980	19,550	11,204	2,431	3,409	2,505
2024 <sup>P</sup>	1-1	989	20,578	11,623	3,020	3,397	2,538
2025 <sup>P</sup>	1-1	980	19,550	11,204	2,431	3,409	2,505

## ● 산업 부문 에너지 소비 Energy Consumption in the Industry Sector

〈2004~2024〉

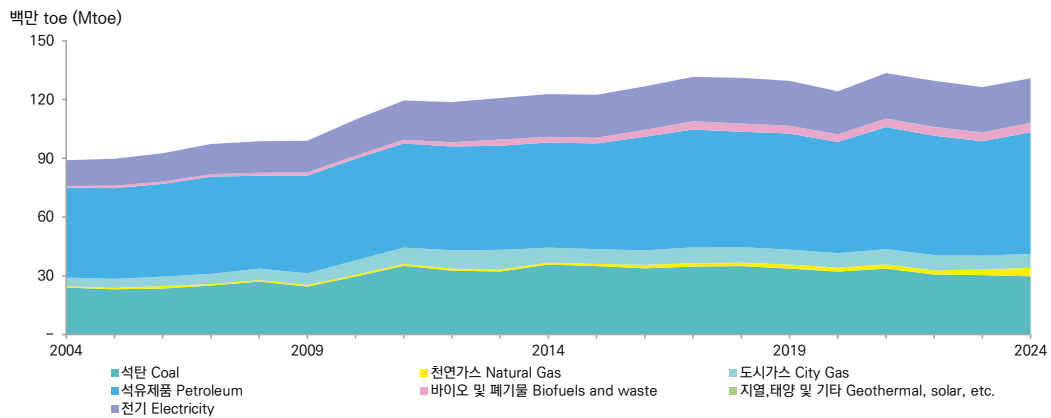


〈2023.1~2025.1〉

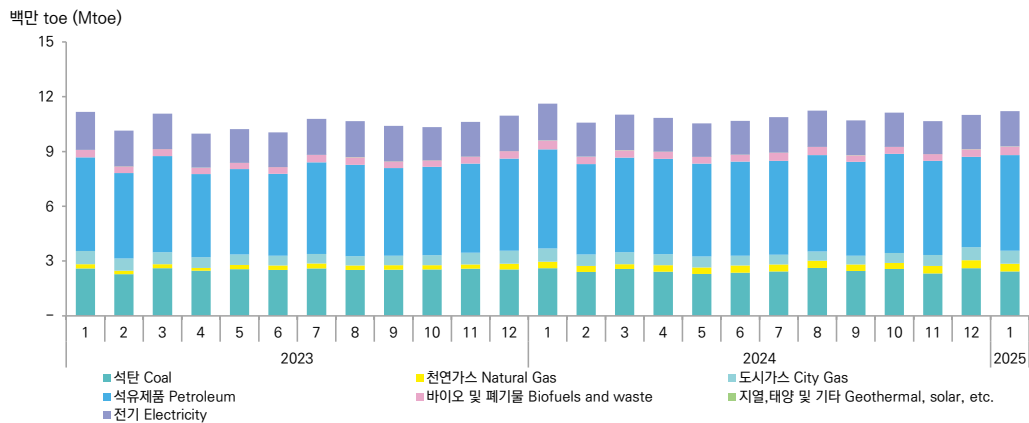


## ● 에너지원별 소비 Energy Consumption in the Industry Sector by Source

〈2004~2024〉



〈2023.1~2025.1〉



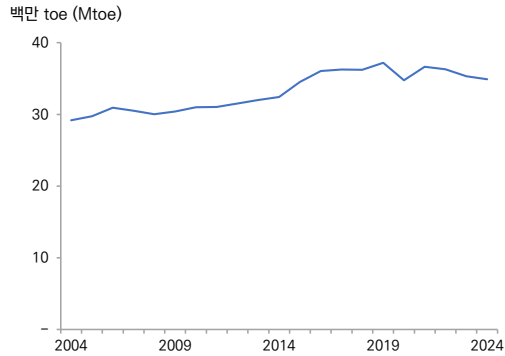
## 2.3.1 산업 부문 소비

## Energy Consumption in the Industry Sector

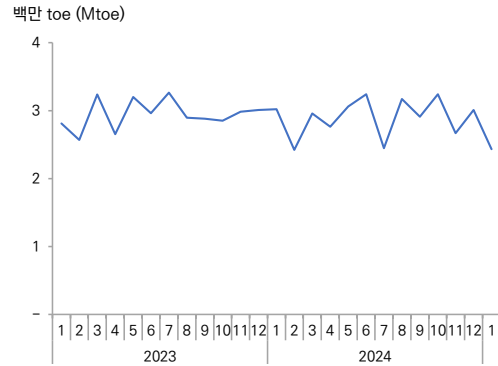
		합계 <sup>1</sup> Total <sup>1</sup>	석탄 Coal	천연가스 Natural Gas	도시가스 City Gas	석유제품 Petroleum	바이오 및 폐기물 Biofuels and waste	지열,태양 및 기타 Geothermal, solar, etc.	전기 Electricity
		1,000 toe							
1990		36,798	11,942	5	235	19,641	-	-	4,975
1995		62,275	18,091	12	863	35,192	33	-	8,085
2000		80,962	20,746	207	3,308	45,030	624	0	11,047
2002		85,166	22,507	623	3,984	45,449	542	0	12,060
2003		86,781	23,430	595	4,177	45,465	633	0	12,480
2004		89,006	23,929	765	4,382	46,042	757	1	13,130
2005		89,812	23,151	632	4,655	46,354	1,189	1	13,830
2006		92,597	23,484	1,318	4,847	47,288	1,201	1	14,458
2007		97,376	24,951	838	5,225	49,601	1,334	2	15,426
2008		98,690	27,045	714	5,933	47,434	1,474	1	16,089
2009		99,033	24,437	910	5,891	49,849	1,628	2	16,316
2010		109,779	29,570	960	7,329	51,920	1,545	5	18,449
2011		119,520	35,042	999	8,383	53,194	1,874	9	20,018
2012		118,736	32,607	1,060	9,443	52,988	2,061	15	20,562
2013		120,846	32,125	1,041	10,060	53,151	3,254	21	21,194
2014		122,824	35,723	1,018	7,684	53,631	2,959	21	21,788
2015		122,434	34,940	1,132	7,539	53,966	2,947	31	21,880
2016		126,809	33,780	1,783	7,456	57,970	3,622	32	22,165
2017		131,574	34,710	1,829	7,953	60,217	4,121	34	22,710
2018		131,130	34,989	1,785	7,842	58,942	4,252	29	23,289
2019		129,609	33,740	1,927	7,692	59,336	3,945	44	22,925
2020		124,223	32,147	2,078	7,345	56,714	3,981	48	21,908
2021		133,541	33,704	2,097	7,855	62,312	4,337	55	23,182
2022		129,553	30,643	2,120	7,784	60,966	4,405	65	23,570
2023 <sup>p</sup>		126,412	30,324	2,827	7,199	58,334	4,575	64	23,088
2024 <sup>p</sup>		130,892	29,709	4,312	7,160	62,111	4,827	69	22,704
2023 <sup>p</sup> 1		11,174	2,603	222	731	5,127	405	6	2,080
2		10,140	2,280	192	677	4,667	373	6	1,946
3		11,078	2,611	222	655	5,260	385	5	1,939
4		9,985	2,468	160	581	4,552	348	5	1,872
5		10,232	2,550	236	572	4,674	345	5	1,851
6		10,042	2,513	245	534	4,487	363	5	1,895
7		10,784	2,603	271	522	5,007	415	5	1,961
8		10,665	2,513	245	504	5,002	422	6	1,973
9		10,406	2,528	250	511	4,801	366	5	1,945
10		10,331	2,536	234	553	4,837	358	5	1,808
11		10,617	2,576	234	643	4,880	387	6	1,889
12		10,957	2,542	317	715	5,040	409	6	1,929
2024 <sup>p</sup> 1		11,623	2,616	346	731	5,432	476	7	2,015
2		10,581	2,411	323	630	4,951	398	7	1,862
3		11,024	2,571	253	659	5,187	397	6	1,950
4		10,840	2,423	347	611	5,217	391	5	1,846
5		10,541	2,297	359	598	5,087	368	5	1,827
6		10,671	2,369	388	541	5,144	385	6	1,838
7		10,878	2,433	380	538	5,139	447	6	1,936
8		11,233	2,630	384	516	5,274	449	6	1,974
9		10,703	2,464	356	481	5,139	357	5	1,901
10		11,123	2,566	331	544	5,429	378	5	1,868
11		10,669	2,324	405	605	5,151	372	5	1,807
12		11,008	2,605	440	707	4,961	409	6	1,880
2025 <sup>p</sup> 1		11,204	2,430	429	702	5,240	469	8	1,927
2024 <sup>p</sup> 1-1		11,623	2,616	346	731	5,432	476	7	2,015
2025 <sup>p</sup> 1-1		11,204	2,430	429	702	5,240	469	8	1,927

## ● 수송 부문 에너지 소비 Energy Consumption in the Transport Sector

〈2004~2024〉

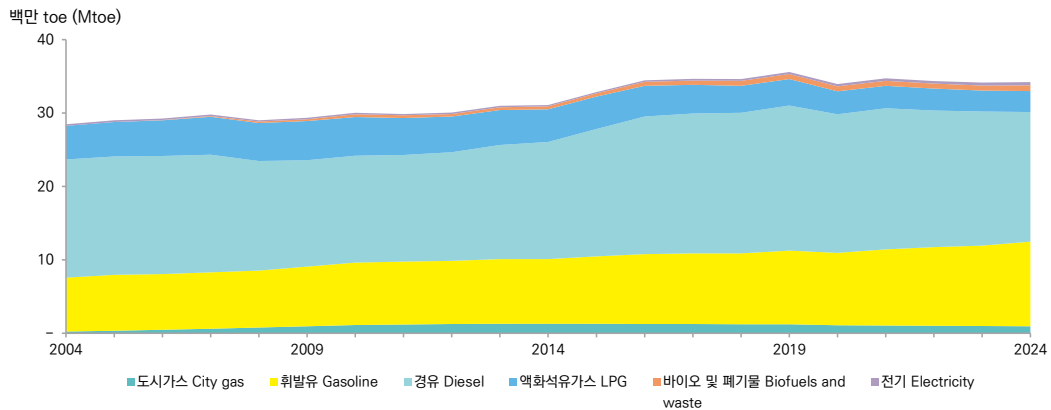


〈2023.1~2025.1〉

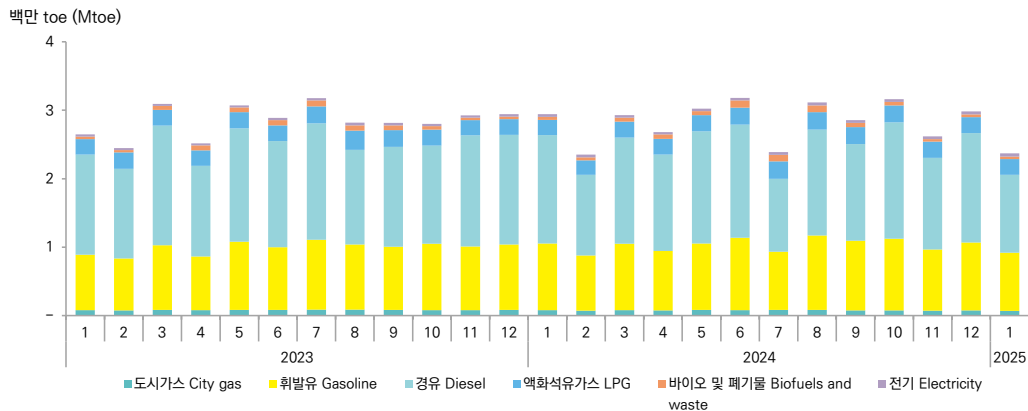


## ● 에너지원별 소비 Energy Consumption in the Transport Sector by Source

〈2004~2024〉



〈2023.1~2025.1〉



## 2.3.2 수송 부문 소비

## Energy Consumption in the Transport Sector

		합계	도시가스	석유제품	휘발유	경유	액화석유가스	바이오 및 폐기물 <sup>1</sup>	전기		
		Total	City gas	Petroleum			Gasoline	Diesel	LPG	Biofuels and waste <sup>1</sup>	Electricity
		1,000 toe									
1990		12,140	-	12,053	2,934	7,641	1,221	-	87		
1995		22,920	-	22,765	7,527	12,409	1,765	-	155		
2000		25,007	-	24,831	7,884	12,909	3,453	-	175		
2002		28,007	80	27,733	7,961	14,793	4,228	-	195		
2003		29,001	146	28,655	7,633	15,842	4,415	-	200		
2004		29,178	237	28,728	7,335	16,116	4,566	-	213		
2005		29,729	339	29,166	7,618	16,141	4,677	-	224		
2006		30,928	475	30,192	7,574	16,114	4,844	43	218		
2007		30,496	615	29,577	7,686	16,029	5,174	95	209		
2008		30,007	777	28,857	7,745	14,941	5,191	177	196		
2009		30,389	960	28,981	8,106	14,507	5,332	261	187		
2010		31,009	1,112	29,352	8,498	14,570	5,294	357	188		
2011		31,016	1,174	29,302	8,579	14,546	5,036	347	193		
2012		31,502	1,246	29,705	8,612	14,789	4,863	357	194		
2013		32,017	1,302	30,154	8,802	15,558	4,755	375	186		
2014		32,406	1,306	30,534	8,805	15,956	4,455	394	172		
2015		34,509	1,281	32,596	9,186	17,364	4,405	441	191		
2016		36,029	1,270	34,005	9,511	18,729	4,209	523	231		
2017		36,260	1,253	34,196	9,625	19,054	3,930	564	246		
2018		36,227	1,238	34,038	9,649	19,143	3,664	686	265		
2019		37,193	1,216	35,021	10,050	19,760	3,608	685	271		
2020		34,745	1,099	32,666	9,857	18,864	3,140	695	285		
2021		36,636	1,060	34,554	10,354	19,246	3,033	704	318		
2022		36,293	1,025	34,238	10,714	18,586	2,999	682	349		
2023 <sup>P</sup>		35,316	988	33,226	10,961	18,244	2,854	696	406		
2024 <sup>P</sup>		34,907	938	32,736	11,532	17,667	2,861	764	470		
2023 <sup>P</sup>	1	2,809	81	2,659	810	1,460	229	36	34		
	2	2,570	75	2,431	759	1,309	242	32	32		
	3	3,238	83	3,069	946	1,748	230	57	30		
	4	2,654	80	2,469	785	1,321	226	74	30		
	5	3,199	84	3,014	997	1,653	238	69	32		
	6	2,962	84	2,770	915	1,550	231	75	33		
	7	3,264	87	3,057	1,020	1,701	249	84	36		
	8	2,895	88	2,691	952	1,381	281	78	38		
	9	2,879	82	2,692	924	1,460	245	68	37		
	10	2,851	80	2,687	969	1,434	234	51	34		
	11	2,984	81	2,832	928	1,625	221	36	35		
	12	3,011	82	2,855	955	1,602	229	37	37		
2024 <sup>P</sup>	1	3,020	81	2,857	973	1,582	224	42	40		
	2	2,422	73	2,268	806	1,178	213	42	39		
	3	2,959	78	2,786	971	1,552	232	60	35		
	4	2,762	77	2,585	866	1,411	228	66	35		
	5	3,060	84	2,880	969	1,639	236	61	35		
	6	3,242	79	3,022	1,057	1,653	249	105	37		
	7	2,446	83	2,226	849	1,066	254	97	41		
	8	3,170	83	2,941	1,088	1,547	252	102	44		
	9	2,908	76	2,729	1,018	1,410	251	61	42		
	10	3,242	75	3,076	1,048	1,698	248	53	38		
	11	2,666	74	2,518	894	1,336	239	35	40		
	12	3,011	76	2,850	993	1,596	235	41	44		
2025 <sup>P</sup>	1	2,431	70	2,276	849	1,136	230	39	46		
2024 <sup>P</sup>	1-1	3,020	81	2,857	973	1,582	224	42	40		
2025 <sup>P</sup>	1-1	2,431	70	2,276	849	1,136	230	39	46		

주: 합계에는 항공유, 중유 및 기타 석유제품 포함

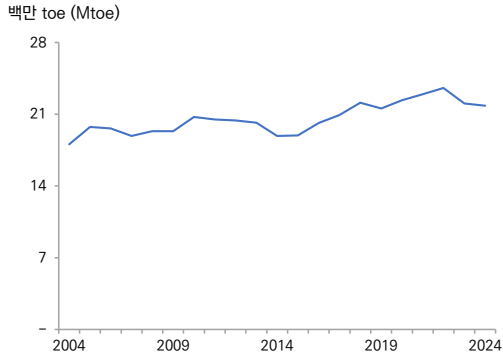
Note: Total includes jet oil, fuel oil and other petroleum products.

1. 바이오디젤

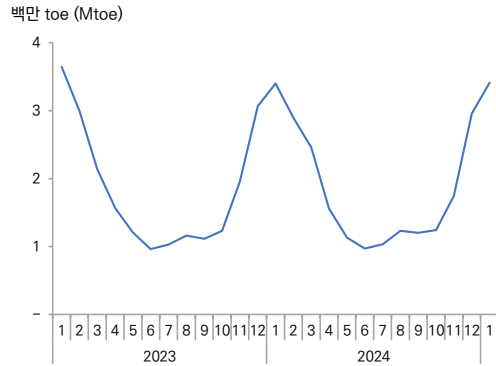
1. Biodiesel

## ● 가정 부문 에너지 소비 Energy Consumption in the Residential Sector

〈2004~2024〉

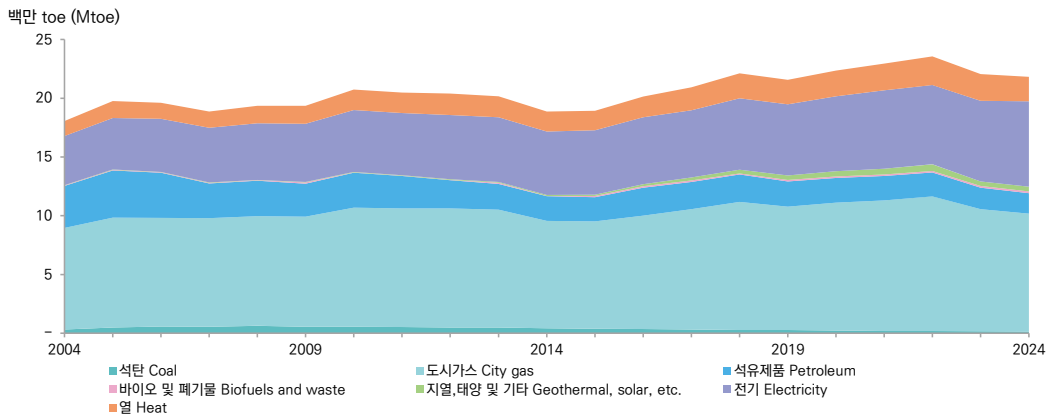


〈2023.1~2025.1〉

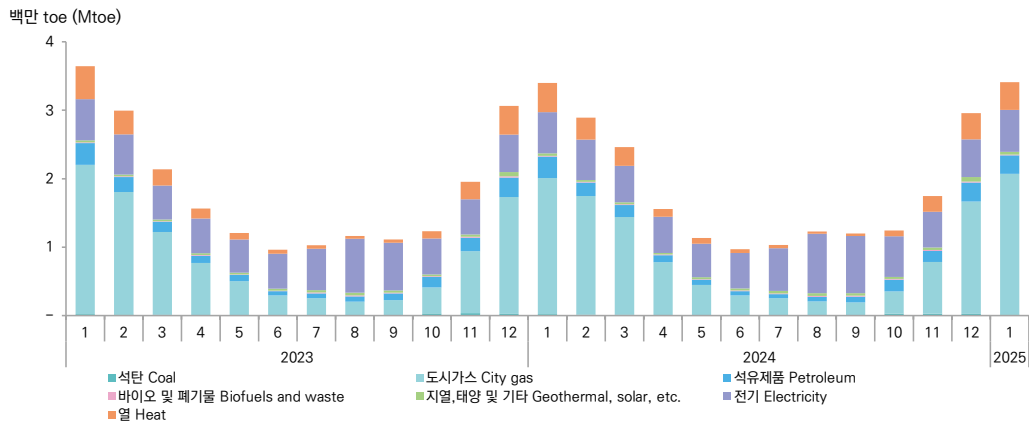


## ● 에너지원별 소비 Energy Consumption in the Residential Sector by Source

〈2004~2024〉



〈2023.1~2025.1〉



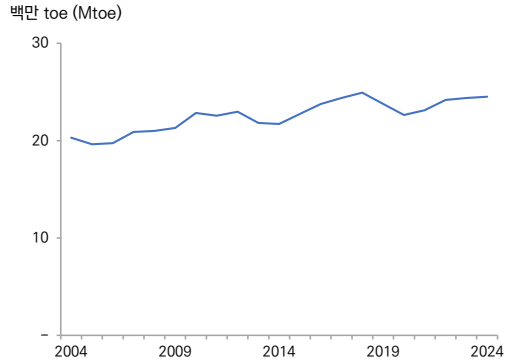
## 2.3.3 가정 부문 소비

## Energy Consumption in the Residential Sector

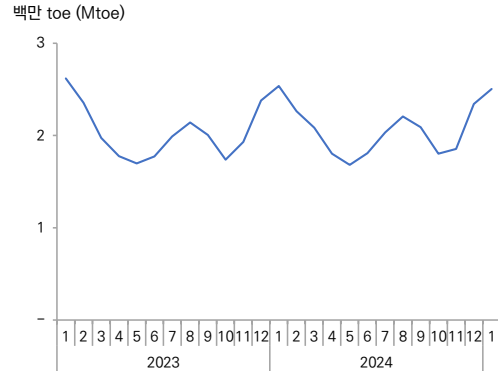
		합계 Total	석탄 Coal	도시가스 City gas	석유제품 Petroleum	바이오 및 폐기물 Biofuels and waste	지열, 태양 및 기타 Geothermal, solar, etc.	전기 Electricity	열 Heat
		1,000 toe							
1990		11,262	8,023	454	1,254	-	6	1,525	-
1995		10,712	1,327	3,655	2,656	20	17	2,434	603
2000		16,284	450	7,353	4,099	43	35	3,191	1,113
2002		17,791	285	8,109	4,566	48	29	3,636	1,118
2003		17,877	280	8,531	4,010	43	29	3,833	1,151
2004		18,063	325	8,636	3,574	34	31	4,181	1,283
2005		19,754	483	9,344	4,024	49	30	4,375	1,449
2006		19,612	572	9,232	3,845	50	29	4,517	1,367
2007		18,872	557	9,226	2,968	43	27	4,659	1,391
2008		19,347	626	9,330	3,019	41	24	4,836	1,472
2009		19,349	550	9,369	2,815	103	34	4,953	1,525
2010		20,733	542	10,135	2,974	40	37	5,263	1,742
2011		20,490	525	10,100	2,757	28	43	5,295	1,743
2012		20,401	483	10,147	2,384	38	53	5,464	1,832
2013		20,166	487	10,024	2,199	91	66	5,501	1,797
2014		18,876	417	9,141	2,097	23	89	5,390	1,720
2015		18,939	379	9,130	2,064	107	110	5,486	1,663
2016		20,150	361	9,647	2,382	121	178	5,691	1,771
2017		20,927	316	10,238	2,323	123	252	5,720	1,955
2018		22,122	265	10,901	2,335	106	311	6,079	2,125
2019		21,560	280	10,479	2,152	133	377	6,059	2,080
2020		22,356	219	10,900	2,097	127	443	6,370	2,200
2021		22,940	193	11,104	2,096	127	485	6,670	2,265
2022		23,560	182	11,469	2,026	127	567	6,756	2,432
2023 <sup>p</sup>		22,058	168	10,392	1,832	136	380	6,870	2,281
2024 <sup>p</sup>		21,820	148	10,022	1,750	142	409	7,261	2,089
2023 <sup>p</sup>	1	3,645	21	2,183	316	11	28	601	485
	2	2,995	18	1,786	220	11	27	584	349
	3	2,138	12	1,209	149	9	24	498	237
	4	1,564	6	764	107	9	24	511	144
	5	1,206	4	499	91	8	23	488	93
	6	962	2	291	63	9	26	512	58
	7	1,028	1	252	72	12	33	605	52
	8	1,162	2	200	79	15	40	785	41
	9	1,112	8	218	96	13	34	695	47
	10	1,231	33	379	154	9	27	525	104
	11	1,954	35	904	199	12	34	515	254
	12	3,063	27	1,706	285	17	60	550	418
2024 <sup>p</sup>	1	3,397	21	1,989	313	13	35	601	426
	2	2,891	14	1,732	196	12	26	591	320
	3	2,460	12	1,428	177	11	29	533	271
	4	1,558	6	773	104	9	25	527	115
	5	1,133	3	444	77	9	28	491	82
	6	971	3	292	63	9	29	520	56
	7	1,033	1	254	57	13	35	625	48
	8	1,230	2	204	66	16	40	867	36
	9	1,200	7	187	83	13	36	835	38
	10	1,243	27	324	175	10	28	596	83
	11	1,745	29	754	163	11	37	522	229
	12	2,959	24	1,641	277	17	63	552	385
2025 <sup>p</sup>	1	3,409	17	2,056	267	12	42	610	406
2024 <sup>p</sup>	1-1	3,397	21	1,989	313	13	35	601	426
2025 <sup>p</sup>	1-1	3,409	17	2,056	267	12	42	610	406

## ● 상업·공공 부문 에너지 소비 Energy Consumption in the Commercial & Public Sector

〈2004~2024〉

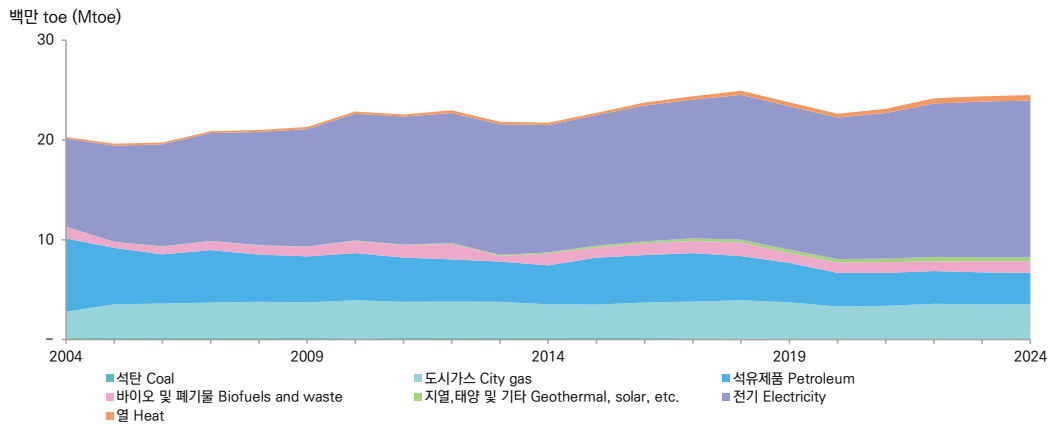


〈2023.1~2025.1〉

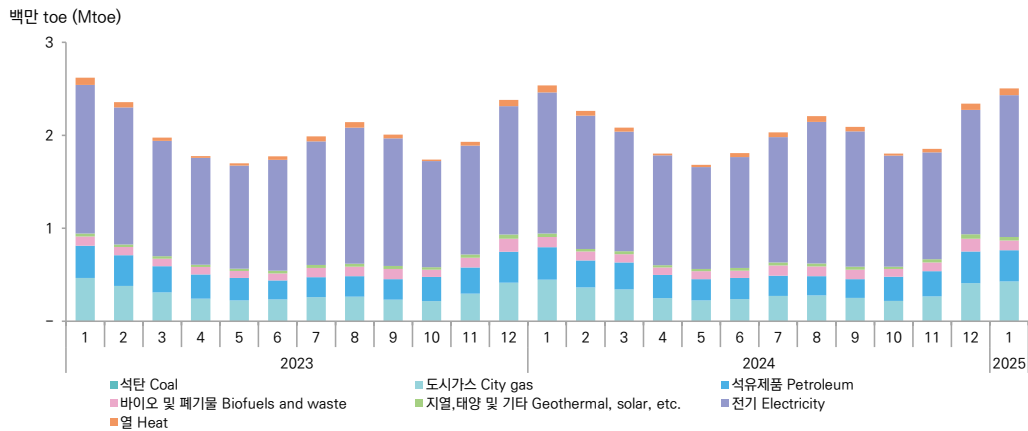


## ● 에너지원별 소비 Energy Consumption in the Commercial & Public Sector by Source

〈2004~2024〉



〈2023.1~2025.1〉



## 2.3.4 상업·공공 부문 소비

## Energy Consumption in the Commercial &amp; Public Sector

	합계 Total	석탄 Coal	도시가스 City gas	석유제품 Petroleum	바이오 및 폐기물 Biofuels and waste	지열, 태양 및 기타 Geothermal, solar, etc.	전기 Electricity	열 Heat
	1,000 toe							
1990	10,948	563	323	8,642	6	5	1,409	-
1995	20,600	5	935	16,201	261	6	3,159	34
2000	18,703	21	1,849	10,448	421	9	5,860	95
2002	19,416	35	2,132	8,547	897	7	7,693	106
2003	20,448	34	2,358	8,474	1,043	7	8,283	244
2004	20,312	140	2,656	7,341	1,163	11	8,829	166
2005	19,625	191	3,333	5,663	580	12	9,643	202
2006	19,745	208	3,409	4,930	765	18	10,234	182
2007	20,879	186	3,534	5,254	882	24	10,814	185
2008	21,004	194	3,592	4,734	903	37	11,346	198
2009	21,297	157	3,591	4,604	928	39	11,779	189
2010	22,851	143	3,785	4,735	1,226	51	12,694	211
2011	22,550	165	3,630	4,426	1,234	65	12,819	211
2012	22,963	177	3,628	4,245	1,539	78	13,044	252
2013	21,816	207	3,586	4,027	580	103	13,061	252
2014	21,722	177	3,357	3,916	1,154	146	12,754	218
2015	22,735	161	3,355	4,706	1,016	182	13,073	242
2016	23,754	166	3,555	4,734	1,191	196	13,605	304
2017	24,386	145	3,677	4,841	1,223	247	13,906	345
2018	24,929	122	3,812	4,419	1,354	302	14,506	410
2019	23,770	26	3,708	3,948	988	335	14,372	391
2020	22,632	21	3,289	3,387	1,023	351	14,169	393
2021	23,128	18	3,364	3,299	1,074	361	14,578	435
2022	24,165	17	3,558	3,290	945	473	15,367	514
2023 <sup>P</sup>	24,385	16	3,526	3,193	1,135	369	15,618	528
2024 <sup>P</sup>	24,506	14	3,545	3,135	1,168	380	15,712	551
2023 <sup>P</sup>	1	2,619	2	463	348	100	1,598	77
	2	2,356	2	379	329	87	1,475	55
	3	1,975	1	308	282	82	1,240	34
	4	1,776	1	241	262	79	1,148	19
	5	1,699	0	224	240	76	1,109	25
	6	1,774	0	234	204	77	1,192	38
	7	1,990	0	259	214	101	1,330	55
	8	2,142	0	265	220	102	1,461	60
	9	2,008	1	233	220	108	1,373	40
	10	1,739	3	214	260	78	1,139	17
	11	1,929	3	294	280	105	1,172	39
	12	2,381	3	412	332	140	1,380	68
2024 <sup>P</sup>	1	2,538	2	445	350	110	1,519	76
	2	2,263	1	363	290	95	1,434	53
	3	2,083	1	340	291	89	1,288	43
	4	1,803	1	247	250	79	1,180	20
	5	1,682	0	225	228	85	1,094	24
	6	1,809	0	237	228	78	1,194	43
	7	2,032	0	271	219	109	1,348	53
	8	2,207	0	277	206	106	1,522	62
	9	2,089	1	250	201	102	1,456	46
	10	1,803	3	216	261	82	1,193	23
	11	1,855	3	265	270	95	1,147	40
	12	2,341	2	408	341	137	1,337	68
2025 <sup>P</sup>	1	2,505	0	429	335	105	1,525	75
2024 <sup>P</sup>	1-1	2,538	2	445	350	110	1,519	76
2025 <sup>P</sup>	1-1	2,505	0	429	335	105	1,525	75

1. 수력 포함

1. Includes Hydro.

## 2.4 사용 용도별 최종소비

## Total Final Consumption by Energy Use

		합계 Total	전력(수송제외) Electricity(excludes transport)	수송(동력) Transport	원료 Petrochemical feedstock	열 <sup>1</sup> Thermal energy <sup>1</sup>
		1,000 toe				
1990		71,149	7,910	12,140	2,304	48,795
1995		116,507	13,677	22,920	15,581	64,329
2000		140,956	20,098	25,007	25,571	70,281
2002		150,380	23,389	28,007	26,994	71,989
2003		154,107	24,596	29,001	28,574	71,936
2004		156,559	26,140	29,178	28,525	72,716
2005		158,920	27,848	29,729	29,603	71,740
2006		162,883	29,209	30,928	30,864	71,882
2007		167,623	30,899	30,496	33,775	72,453
2008		169,049	32,271	30,007	33,273	73,498
2009		170,068	33,048	30,389	35,629	71,003
2010		184,372	36,406	31,009	38,022	78,935
2011		193,576	38,132	31,016	39,711	84,717
2012		193,602	39,070	31,502	41,128	81,902
2013		194,844	39,756	32,017	42,063	81,008
2014		195,827	39,931	32,406	43,165	80,324
2015		198,618	40,440	34,509	44,228	79,441
2016		206,742	41,461	36,029	47,769	81,483
2017		213,147	42,336	36,260	49,982	84,570
2018		214,407	43,874	36,227	49,287	85,019
2019		212,132	43,357	37,193	49,439	82,143
2020		203,956	42,447	34,745	45,742	81,022
2021		216,245	44,430	36,636	50,068	85,111
2022		213,572	45,693	36,293	49,250	82,336
2023 <sup>P</sup>		208,172	45,576	35,316	46,248	81,032
2024 <sup>P</sup>		212,126	45,676	34,907	50,393	81,150
2023 <sup>P</sup>	1	20,247	4,279	2,809	4,147	9,012
	2	18,060	4,006	2,570	3,723	7,761
	3	18,429	3,677	3,238	4,268	7,245
	4	15,979	3,530	2,654	3,660	6,135
	5	16,335	3,448	3,199	3,711	5,978
	6	15,740	3,599	2,962	3,485	5,694
	7	17,066	3,896	3,264	3,938	5,967
	8	16,864	4,219	2,895	3,929	5,820
	9	16,405	4,014	2,879	3,811	5,700
	10	16,152	3,473	2,851	3,830	5,998
	11	17,483	3,576	2,984	3,777	7,146
	12	19,412	3,859	3,011	3,969	8,573
2024 <sup>P</sup>	1	20,578	4,135	3,020	4,293	9,130
	2	18,157	3,886	2,422	4,031	7,818
	3	18,526	3,772	2,959	4,241	7,554
	4	16,963	3,553	2,762	4,210	6,438
	5	16,416	3,412	3,060	4,181	5,764
	6	16,693	3,552	3,242	4,222	5,678
	7	16,389	3,909	2,446	4,222	5,812
	8	17,840	4,362	3,170	4,423	5,885
	9	16,900	4,193	2,908	4,225	5,574
	10	17,411	3,657	3,242	4,289	6,223
	11	16,935	3,476	2,666	4,129	6,664
	12	19,318	3,770	3,011	3,927	8,611
2025 <sup>P</sup>	1	19,550	4,061	2,431	4,319	8,739
2024 <sup>P</sup>	1-1	20,578	4,135	3,020	4,293	9,130
2025 <sup>P</sup>	1-1	19,550	4,061	2,431	4,319	8,739

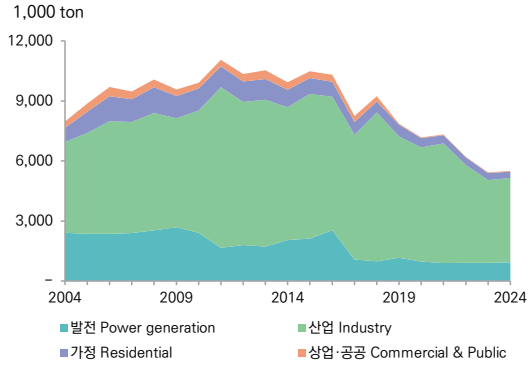
1. 최종적으로 열을 얻기 위해 사용된 에너지 상품들의 합계(열에너지(heat) 포함)

1. Thermal energy

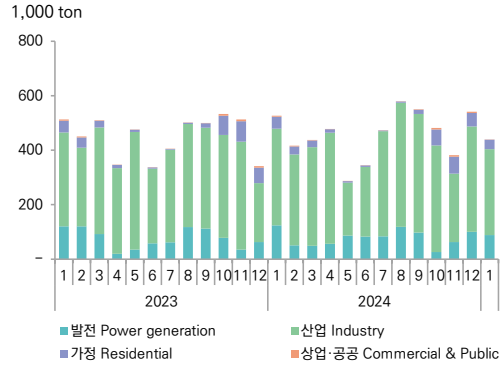


## ● 무연탄 소비 Anthracite Consumption

〈2004~2024〉

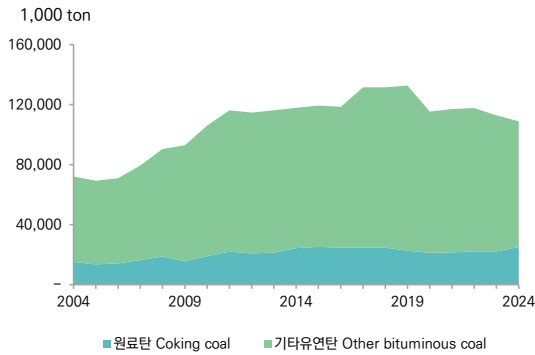


〈2023.1~2025.1〉

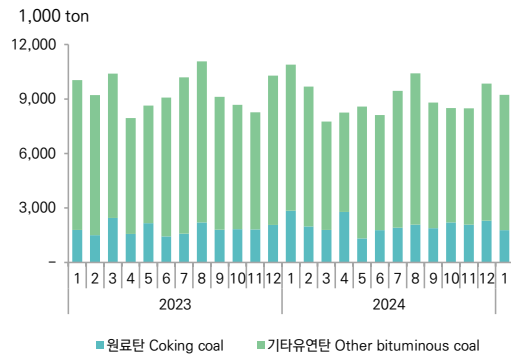


## ● 유연탄 수입 Bituminous Coal Imports

〈2004~2024〉

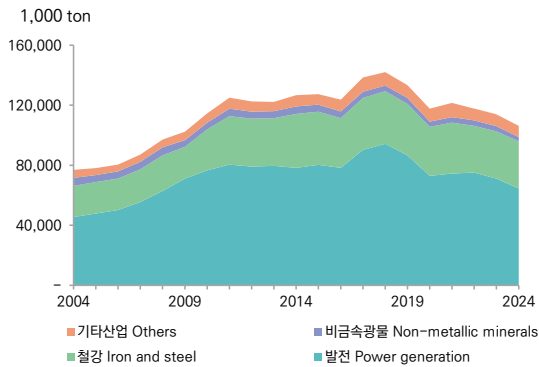


〈2023.1~2025.1〉



## ● 유연탄 소비 Bituminous Coal Consumption

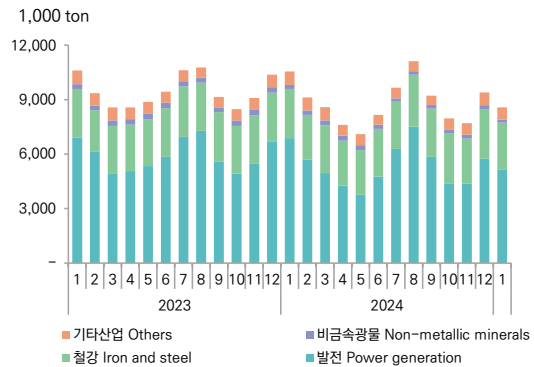
〈2004~2024〉



주: 발전은 아역청탄 소비 포함

Note: Power generation includes sub-bituminous coal consumption.

〈2023.1~2025.1〉



주: 발전은 아역청탄 소비 포함

Note: Power generation includes sub-bituminous coal consumption.

## 3.1 무연탄 수급

## Anthracite Overview

		생산	수입	재고변화	일차에너지공급				발전	최종소비	
		Production	Imports	Stock changes	국내무연탄	수입무연탄	TPES	국내무연탄	수입무연탄	Power generation	TFC
					Domestic	Imported		Domestic	Imported		
1,000 ton											
1990		17,217	1,072	2,035	1,818	217	20,324	19,035	1,289	2,013	19,314
1995		5,720	723	-723	-632	-91	5,720	5,088	632	2,429	3,603
2000		4,150	2,038	-37	-40	3	6,151	4,110	2,041	2,850	3,230
2002		3,318	3,879	475	427	48	7,672	3,745	3,927	2,751	4,862
2003		3,298	4,640	574	554	20	8,512	3,852	4,660	2,880	5,644
2004		3,191	4,251	633	506	127	8,069	3,697	4,372	2,415	5,563
2005		2,832	4,567	1,506	1,383	123	8,900	4,215	4,685	2,359	6,520
2006		2,824	5,113	1,837	1,777	60	9,773	4,601	5,172	2,356	7,337
2007		2,886	5,444	1,320	1,109	211	9,647	3,995	5,652	2,392	7,079
2008		2,773	5,955	1,434	1,276	158	10,140	4,049	6,091	2,534	7,544
2009		2,519	6,468	571	567	4	9,557	3,086	6,471	2,690	6,883
2010		2,084	7,406	373	331	42	9,858	2,415	7,443	2,404	7,510
2011		2,084	8,816	133	116	17	11,013	2,200	8,813	1,659	9,396
2012		2,094	8,055	92	109	-17	10,230	2,203	8,027	1,797	8,546
2013		1,815	8,482	171	212	-41	10,450	2,027	8,423	1,729	8,807
2014		1,748	8,294	-153	-142	-11	9,862	1,606	8,256	2,044	7,891
2015		1,764	8,938	-188	-247	59	10,493	1,517	8,976	2,125	8,354
2016		1,726	9,424	-353	-357	4	10,796	1,369	9,427	2,528	7,783
2017		1,485	7,003	-290	-303	13	8,198	1,182	7,016	1,079	7,168
2018		1,202	8,201	-148	-120	-28	9,248	1,082	8,166	992	8,239
2019		1,084	6,858	-61	-118	57	7,881	966	6,915	1,165	6,701
2020		1,019	6,286	-122	-139	17	7,183	880	6,303	971	6,206
2021		898	6,475	-38	-38	-	7,334	860	6,474	900	6,424
2022		820	5,384	3	3	-	6,207	823	5,384	912	5,297
2023 <sup>P</sup>		646	4,639	111	111	-	5,395	757	4,638	917	4,512
2024 <sup>P</sup>		544	4,794	206	206	-	5,544	750	4,794	941	4,559
2023 <sup>P</sup>	1	55	403	41	41	-	499	96	403	120	392
	2	63	345	17	17	-	425	80	345	121	330
	3	65	463	12	12	-	540	77	463	92	418
	4	56	306	-22	-22	-	340	34	306	20	327
	5	55	504	-67	-67	-	491	-12	504	35	441
	6	56	282	-18	-18	-	320	38	282	58	279
	7	50	363	-41	-41	-	372	9	363	62	343
	8	45	483	10	10	-	538	55	483	118	383
	9	47	418	28	28	-	493	75	418	113	388
	10	46	410	75	75	-	531	121	410	78	455
	11	61	435	31	31	-	527	92	435	36	477
	12	48	227	45	45	-	320	93	227	63	278
2024 <sup>P</sup>	1	53	413	59	59	-	525	112	413	125	402
	2	40	359	17	17	-	416	57	359	51	366
	3	49	393	-2	-2	-	440	47	393	49	389
	4	49	471	-	-	-	520	49	471	56	422
	5	44	198	-19	-19	-	223	25	198	87	200
	6	42	277	-9	-9	-	310	33	277	83	262
	7	45	457	-11	-11	-	491	34	457	84	389
	8	43	554	11	11	-	608	54	554	118	461
	9	39	526	22	22	-	587	61	526	98	452
	10	44	403	34	34	-	481	78	403	26	456
	11	50	263	50	50	-	363	100	263	63	319
	12	46	479	54	54	-	579	100	479	101	441
2025 <sup>P</sup>	1	36	328	46	46	-	410	82	328	88	351
2024 <sup>P</sup>	1-1	53	413	59	59	-	525	112	413	125	402
2025 <sup>P</sup>	1-1	36	328	46	46	-	410	82	328	88	351

## 3.2 무연탄 소비

## Anthracite Consumption

		합계 <sup>1</sup>	발전			최종소비			
		Total <sup>1</sup>	Power generation	국내무연탄	수입무연탄	TFC	산업	가정	상업·공공
				Domestic	Imported		Industry	Residential	Commercial & Public
		1,000 ton							
1990		21,327	2,013	1,983	30	19,314	754	17,343	1,218
1995		6,032	2,429	2,321	108	3,603	650	2,942	11
2000		6,080	2,850	2,850	—	3,230	2,183	1,000	47
2002		7,612	2,751	2,558	193	4,862	4,175	611	75
2003		8,524	2,880	2,710	170	5,644	4,949	619	76
2004		7,977	2,415	2,356	59	5,563	4,537	717	308
2005		8,880	2,359	2,354	5	6,520	5,040	1,060	420
2006		9,693	2,356	2,356	—	7,337	5,633	1,250	454
2007		9,471	2,392	2,156	236	7,079	5,556	1,143	379
2008		10,078	2,534	1,960	574	7,544	5,863	1,285	396
2009		9,573	2,690	1,360	1,330	6,883	5,445	1,119	319
2010		9,914	2,404	839	1,565	7,510	6,120	1,100	290
2011		11,055	1,659	543	1,116	9,396	8,021	1,047	328
2012		10,343	1,797	591	1,206	8,546	7,149	1,022	375
2013		10,536	1,729	323	1,406	8,807	7,332	1,037	439
2014		9,935	2,044	250	1,794	7,891	6,637	881	373
2015		10,479	2,125	245	1,880	8,354	7,220	797	337
2016		10,311	2,528	240	2,288	7,783	6,679	757	347
2017		8,247	1,079	235	844	7,168	6,219	651	298
2018		9,231	992	230	762	8,239	7,436	551	253
2019		7,866	1,165	400	765	6,701	6,060	586	55
2020		7,177	971	400	571	6,206	5,700	462	44
2021		7,324	900	400	500	6,424	5,977	409	39
2022		6,209	912	400	512	5,297	4,874	387	36
2023 <sup>P</sup>		5,430	917	400	517	4,512	4,123	356	34
2024 <sup>P</sup>		5,500	941	400	541	4,559	4,215	314	30
2023 <sup>P</sup>	1	513	120	60	60	392	345	44	4
	2	451	121	60	61	330	289	37	4
	3	511	92	38	54	418	391	25	2
	4	347	20	20	—	327	314	12	1
	5	477	35	—	35	441	432	8	1
	6	337	58	22	36	279	274	5	0
	7	405	62	30	32	343	340	3	0
	8	501	118	25	93	383	378	5	0
	9	500	113	70	43	388	370	16	2
	10	533	78	60	18	455	378	70	7
	11	513	36	15	21	477	396	75	7
	12	341	63	—	63	278	216	57	5
2024 <sup>P</sup>	1	527	125	66	59	402	355	44	4
	2	417	51	30	21	366	334	29	3
	3	438	49	25	24	389	362	25	2
	4	478	56	25	31	422	408	13	1
	5	287	87	35	52	200	194	5	1
	6	345	83	30	53	262	256	5	1
	7	473	84	30	54	389	386	3	0
	8	579	118	50	68	461	456	5	0
	9	550	98	40	58	452	436	15	1
	10	482	26	26	—	456	392	58	5
	11	382	63	24	39	319	251	62	6
	12	542	101	19	82	441	386	50	5
2025 <sup>P</sup>	1	439	88	63	25	351	315	36	0
2024 <sup>P</sup>	1-1	527	125	66	59	402	355	44	4
2025 <sup>P</sup>	1-1	439	88	63	25	351	315	36	0

1. 일차에너지소비

1. Total primary energy consumption

## 3.3 유연탄 및 기타석탄 수급

## Bituminous and Other Coal Overview

		수입	수출	재고변화	일차에너지공급			발전	최종소비
		Imports	Exports	Stock changes	TPES	원료탄	기타유연탄		
						Coking coal	Other bituminous coal		
1,000 ton									
1990		23,047	8	-	23,039	11,286	11,560	5,724	17,580
1995		43,351	6	-	43,345	17,152	25,205	13,752	26,845
2000		62,132	5	-982	61,145	19,718	38,896	33,305	29,498
2002		66,594	2	327	66,920	14,930	50,036	40,143	30,466
2003		67,513	2	428	67,939	13,750	51,994	41,631	31,137
2004		75,446	5	-2,791	72,650	14,351	54,957	45,512	32,251
2005		72,586	14	1,138	73,710	13,871	56,596	47,852	30,653
2006		74,954	12	318	75,260	14,797	56,409	50,199	30,631
2007		83,455	10	-225	83,220	15,801	63,328	55,487	32,229
2008		94,443	17	-1,206	93,220	18,703	70,560	62,791	35,114
2009		96,842	4	697	97,534	15,628	78,021	71,091	31,686
2010		111,898	7	-690	111,201	18,369	87,037	76,674	38,536
2011		120,895	40	-1,149	119,706	21,724	93,241	80,393	45,158
2012		117,981	23	-264	117,694	20,861	93,503	79,136	43,963
2013		118,514	44	1,090	119,560	22,485	94,827	79,692	43,000
2014		123,269	21	508	123,756	24,123	94,259	78,227	48,933
2015		126,671	1	-1,811	124,859	24,518	92,992	80,354	47,557
2016		125,507	1	-712	124,794	25,541	92,216	78,256	45,993
2017		141,674	135	-52	141,488	24,666	106,677	90,220	48,660
2018		140,969	63	1,574	142,480	25,657	107,437	94,290	48,162
2019		134,933	17	-1,570	133,347	21,837	109,260	86,597	47,165
2020		117,600	159	1,381	118,822	21,005	95,749	72,964	45,074
2021		119,625	313	1,056	120,368	21,333	96,829	74,392	47,376
2022		120,179	28	-487	119,664	22,198	95,067	75,104	43,024
2023 <sup>P</sup>		115,122	0	1,389	116,511	23,056	91,265	71,129	43,073
2024 <sup>P</sup>		111,072	1	-1,982	109,089	24,348	82,473	64,511	41,958
2023 <sup>P</sup>	1	10,279	0	-178	10,101	2,137	7,725	6,924	3,713
	2	9,383	0	52	9,435	1,580	7,684	6,119	3,269
	3	10,646	0	-859	9,787	2,343	7,199	4,911	3,687
	4	8,105	0	231	8,336	1,580	6,598	5,065	3,528
	5	8,793	0	31	8,824	2,062	6,602	5,336	3,554
	6	9,175	0	498	9,673	1,709	7,863	5,850	3,624
	7	10,347	0	154	10,501	1,633	8,714	6,944	3,699
	8	11,301	0	503	11,804	2,394	9,177	7,275	3,527
	9	9,357	0	-44	9,313	1,788	7,293	5,608	3,555
	10	8,711	0	537	9,248	1,833	7,388	4,932	3,573
	11	8,507	0	75	8,582	1,800	6,545	5,492	3,623
	12	10,518	0	388	10,906	2,197	8,476	6,672	3,721
2024 <sup>P</sup>	1	11,148	0	-305	10,842	2,864	7,729	6,885	3,714
	2	9,911	0	-114	9,797	1,907	7,665	5,704	3,425
	3	7,864	0	-317	7,547	1,693	5,754	4,955	3,648
	4	8,492	0	-340	8,153	2,406	5,512	4,267	3,377
	5	8,748	0	-176	8,571	1,459	6,952	3,762	3,365
	6	8,201	0	-412	7,789	1,722	5,978	4,770	3,406
	7	9,682	0	351	10,032	2,086	7,716	6,286	3,394
	8	10,573	0	376	10,949	2,259	8,522	7,507	3,623
	9	8,968	0	81	9,048	1,754	7,134	5,844	3,392
	10	8,668	0	-422	8,246	1,948	6,134	4,399	3,592
	11	8,653	0	-699	7,953	1,987	5,795	4,374	3,355
	12	10,165	0	-4	10,161	2,261	7,584	5,760	3,667
2025 <sup>P</sup>	1	9,403	0	419	9,822	2,181	7,468	5,140	3,458
2024 <sup>P</sup>	1-1	11,148	0	-305	10,842	2,864	7,729	6,885	3,714
2025 <sup>P</sup>	1-1	9,403	0	419	9,822	2,181	7,468	5,140	3,458

주: 유연탄 및 기타석탄은 원료탄, 기타유연탄, 아역청탄, 갈탄, 토탄, 고품연료, 코크스임

Note: Bituminous and other coal includes coking coal, other bituminous coal, sub-bituminous coal, lignite/brown coal, peat, patent fuel and coke oven coke.

## 3.4 유연탄 및 기타석탄 수입

## Bituminous and Other Coal Imports

		합계	원료탄	기타유연탄	아역청탄	갈탄	토탄	고형연료	코크스
		Total	Coking coal	Other bituminous coal	Sub-Bituminous coal	Lignite/Brown coal	Peat	Patent fuel	Coke oven coke
		1,000 ton							
1990		23,047	11,286	11,560	0	35	21	-	145
1995		43,351	17,152	25,207	755	5	12	-	221
2000		62,132	19,568	40,032	2,207	2	18	0	305
2002		66,594	14,759	49,881	1,595	1	25	40	293
2003		67,513	13,794	51,525	1,741	1	28	-	425
2004		75,446	15,122	56,981	2,610	0	38	6	689
2005		72,586	13,452	55,878	2,862	0	44	9	341
2006		74,954	14,130	56,758	3,706	1	40	5	314
2007		83,455	16,281	63,074	3,486	0	51	12	551
2008		94,443	18,831	71,638	3,160	5	52	56	700
2009		96,842	15,481	77,471	3,562	0	39	32	256
2010		111,898	18,943	87,153	5,090	0	50	34	629
2011		120,895	21,965	94,154	4,215	3	61	92	406
2012		117,981	20,895	93,750	2,834	2	58	74	368
2013		118,514	21,404	94,818	1,803	1	61	62	364
2014		123,269	24,361	93,512	4,865	2	66	56	406
2015		126,671	25,210	94,111	6,824	3	72	61	390
2016		125,507	24,652	93,816	6,569	2	65	59	343
2017		141,674	24,719	106,745	9,769	1	69	25	347
2018		140,969	24,716	106,803	8,999	0	62	15	374
2019		134,933	22,622	110,045	1,870	0	63	5	328
2020		117,600	21,234	94,139	1,833	0	101	1	291
2021		119,625	21,511	95,595	2,036	0	145	0	338
2022		120,179	22,266	95,485	2,016	0	110	0	301
2023 <sup>P</sup>		115,122	22,231	90,701	1,891	0	72	0	226
2024 <sup>P</sup>		111,072	24,962	83,841	1,986	0	78	1	204
2023 <sup>P</sup>									
	1	10,279	1,794	8,245	214	-	7	-	18
	2	9,383	1,505	7,708	143	-	6	-	22
	3	10,646	2,446	7,955	216	0	8	-	21
	4	8,105	1,575	6,372	134	-	7	-	18
	5	8,793	2,157	6,477	137	-	5	0	16
	6	9,175	1,438	7,636	70	0	8	-	23
	7	10,347	1,585	8,609	135	0	5	0	14
	8	11,301	2,200	8,868	207	0	5	-	20
	9	9,357	1,811	7,314	212	0	5	0	15
	10	8,711	1,835	6,848	0	0	5	-	23
	11	8,507	1,818	6,453	212	-	5	-	19
	12	10,518	2,068	8,217	212	-	4	-	17
2024 <sup>P</sup>									
	1	11,148	2,845	8,053	208	-	3	-	38
	2	9,911	1,991	7,695	211	0	3	-	11
	3	7,864	1,791	5,974	77	-	9	-	14
	4	8,492	2,787	5,471	207	0	10	-	17
	5	8,748	1,320	7,268	138	0	7	1	15
	6	8,201	1,771	6,341	72	0	8	-	9
	7	9,682	1,909	7,543	210	-	6	0	15
	8	10,573	2,087	8,318	154	0	5	-	10
	9	8,968	1,885	6,922	138	0	6	-	16
	10	8,668	2,205	6,299	143	0	7	-	14
	11	8,653	2,077	6,405	147	-	10	-	15
	12	10,165	2,295	7,554	280	-	5	-	30
2025 <sup>P</sup>									
	1	9,403	1,781	7,450	146	0	9	-	17
2024 <sup>P</sup> 1-1									
	1-1	11,148	2,845	8,053	208	-	3	-	38
2025 <sup>P</sup> 1-1									
	1-1	9,403	1,781	7,450	146	0	9	-	17

## 3.5 유연탄 소비

## Bituminous Coal Consumption

		합계 <sup>1</sup>	발전	산업	철강	비금속광물	기타
		Total <sup>1</sup>	Power generation	Industry	Iron and steel	Non-metallic minerals	Others
		1,000 ton					
1990		23,111	5,724	17,387	12,457	4,030	900
1995		40,362	13,752	26,610	17,890	6,831	1,889
2000		62,478	33,305	29,173	19,631	5,308	4,234
2002		70,250	40,143	30,107	20,205	5,669	4,232
2003		72,315	41,631	30,683	20,648	6,060	3,975
2004		77,032	45,512	31,520	20,779	5,309	5,432
2005		78,124	47,852	30,272	20,890	4,807	4,575
2006		80,482	50,199	30,282	20,965	4,738	4,579
2007		87,111	55,487	31,623	21,736	5,051	4,836
2008		97,108	62,791	34,316	23,835	5,236	5,244
2009		102,454	71,091	31,362	21,182	4,463	5,717
2010		114,505	76,674	37,830	27,210	4,564	6,055
2011		125,025	80,393	44,632	32,368	5,046	7,218
2012		122,603	79,136	43,466	31,948	4,625	6,893
2013		122,247	79,692	42,555	31,747	4,647	6,161
2014		126,650	78,227	48,423	36,070	4,916	7,437
2015		127,386	80,354	47,032	35,310	4,650	7,072
2016		123,781	78,256	45,524	33,079	4,591	7,854
2017		138,503	90,220	48,282	34,601	4,175	9,506
2018		142,064	94,290	47,774	35,107	3,709	8,958
2019		133,383	86,597	46,786	34,316	3,989	8,481
2020		117,804	72,964	44,840	32,690	3,404	8,746
2021		121,598	74,392	47,206	34,096	3,649	9,461
2022		117,744	75,104	42,640	31,151	3,657	7,832
2023 <sup>P</sup>		113,904	71,129	42,775	31,531	3,479	7,765
2024 <sup>P</sup>		106,187	64,511	41,676	31,439	2,742	7,495
2023 <sup>P</sup>	1	10,611	6,924	3,687	2,667	253	767
	2	9,360	6,119	3,241	2,297	251	694
	3	8,569	4,911	3,658	2,639	306	713
	4	8,567	5,065	3,503	2,562	306	635
	5	8,869	5,336	3,532	2,572	333	627
	6	9,444	5,850	3,593	2,676	313	604
	7	10,623	6,944	3,680	2,786	292	602
	8	10,777	7,275	3,502	2,664	263	575
	9	9,143	5,608	3,535	2,704	254	576
	10	8,477	4,932	3,545	2,616	307	622
	11	9,091	5,492	3,599	2,635	302	661
	12	10,373	6,672	3,700	2,712	299	689
2024 <sup>P</sup>	1	10,558	6,885	3,673	2,703	223	747
	2	9,115	5,704	3,412	2,463	243	706
	3	8,579	4,955	3,625	2,634	274	716
	4	7,616	4,267	3,350	2,473	275	601
	5	7,105	3,762	3,343	2,463	265	615
	6	8,159	4,770	3,389	2,622	228	540
	7	9,659	6,286	3,373	2,598	186	590
	8	11,116	7,507	3,609	2,872	182	555
	9	9,213	5,844	3,369	2,658	209	502
	10	7,969	4,399	3,570	2,761	203	606
	11	7,705	4,374	3,331	2,473	233	625
	12	9,391	5,760	3,631	2,719	221	692
2025 <sup>P</sup>	1	8,573	5,140	3,432	2,592	165	675
2024 <sup>P</sup>	1~1	10,558	6,885	3,673	2,703	223	747
2025 <sup>P</sup>	1~1	8,573	5,140	3,432	2,592	165	675

주: 아역청탄 포함  
1. 일차에너지소비

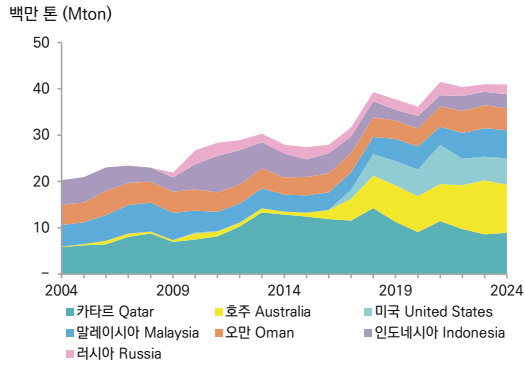
Note: Includes sub-bituminous coal.  
1. Total primary energy consumption



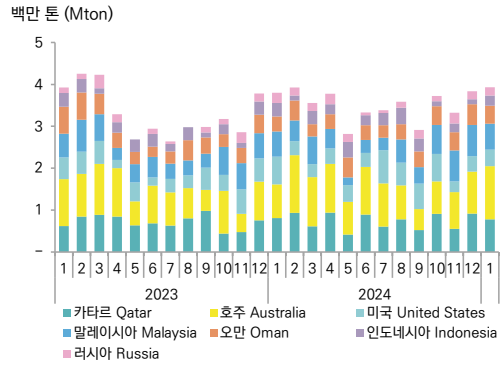


## ● 천연가스 수입 Natural Gas Imports

〈2004~2024〉

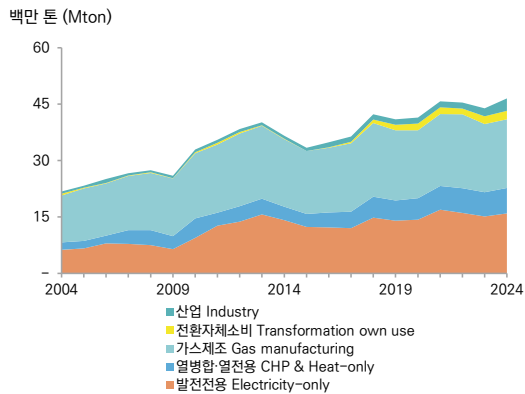


〈2023.1~2025.1〉

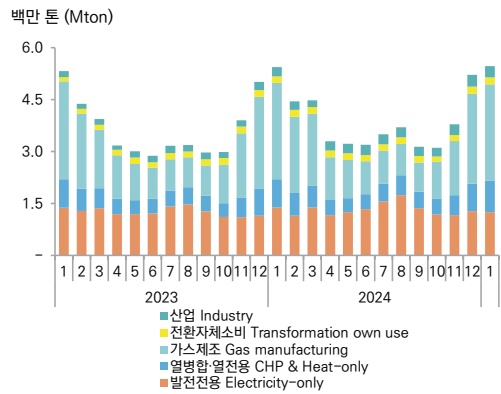


## ● 천연가스 소비 Natural Gas Consumption

〈2004~2024〉

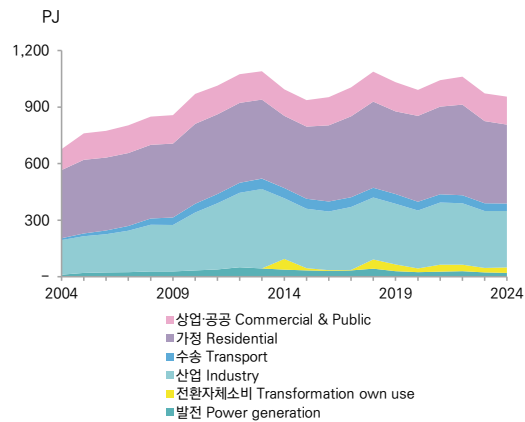


〈2023.1~2025.1〉

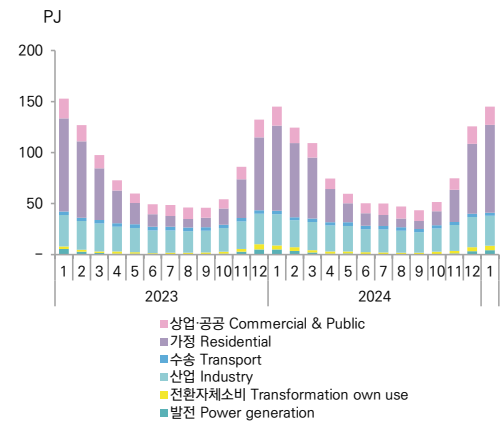


## ● 도시가스 소비 City Gas consumption

〈2004~2024〉



〈2023.1~2025.1〉



## 4.1 천연가스 수급

## Natural Gas Overview

		생산	수입	재고변화	일차에너지공급	전환과정 <sup>1</sup>	최종소비
		Production	Imports	Stock changes	TPES	Transformation processes <sup>1</sup>	TFC
		1,000 ton					
1990		-	2,237	38	2,275	2,313	4
1995		-	6,756	54	6,810	6,970	9
2000		-	15,239	-52	15,187	14,057	160
2002		-	17,993	312	18,305	17,224	479
2003		-	19,308	-638	18,671	17,988	458
2004		163	21,781	-539	21,405	20,710	589
2005		398	22,317	643	23,359	22,601	486
2006		355	25,256	-977	24,633	23,893	1,014
2007		271	25,569	825	26,665	25,878	645
2008		181	27,259	-1,447	25,994	26,718	549
2009		383	25,822	874	27,079	25,228	700
2010		415	32,603	-928	32,090	31,943	739
2011		347	36,685	-634	36,398	34,261	769
2012		334	36,184	1,483	38,001	37,222	813
2013		355	39,876	-397	39,834	39,264	798
2014		247	37,107	-997	36,357	35,689	781
2015		144	33,366	207	33,717	32,513	868
2016		118	33,453	1,361	34,933	33,404	1,367
2017		261	37,537	-598	37,200	34,620	1,401
2018		234	44,015	-2,056	42,193	39,988	1,367
2019		198	40,748	317	41,264	38,038	1,475
2020		142	39,982	1,214	41,314	38,024	1,591
2021		42	45,932	-295	45,657	42,367	1,605
2022		-	46,394	-1,124	45,262	42,318	1,621
2023 <sup> P</sup>		-	44,117	-799	43,309	39,747	2,162
2024 <sup> P</sup>		-	46,318	260	46,560	40,987	3,297
2023 <sup> P</sup>	1	-	4,790	386	5,176	5,030	170
	2	-	5,088	-462	4,626	4,096	147
	3	-	4,034	-775	3,259	3,629	170
	4	-	3,150	48	3,198	2,891	122
	5	-	3,105	-124	2,980	2,637	180
	6	-	2,929	138	3,067	2,532	188
	7	-	2,614	643	3,257	2,780	207
	8	-	3,407	-373	3,035	2,831	187
	9	-	2,918	-53	2,864	2,599	191
	10	-	3,394	-71	3,323	2,617	179
	11	-	3,718	-55	3,661	3,524	179
	12	-	4,969	-102	4,862	4,582	242
2024 <sup> P</sup>	1	-	4,852	535	5,387	4,987	264
	2	-	4,202	657	4,858	4,003	247
	3	-	3,576	396	3,969	4,089	194
	4	-	4,159	-565	3,593	2,838	265
	5	-	3,585	-351	3,231	2,755	274
	6	-	3,074	-191	2,883	2,721	297
	7	-	3,041	591	3,629	3,026	291
	8	-	3,854	-87	3,764	3,218	294
	9	-	3,279	-188	3,091	2,680	272
	10	-	4,411	-1,426	2,983	2,703	253
	11	-	4,002	-31	3,968	3,304	310
	12	-	4,283	920	5,203	4,664	337
2025 <sup> P</sup>	1	-	4,423	1,010	5,431	4,940	328
2024 <sup> P</sup>	1-1	-	4,852	535	5,387	4,987	264
2025 <sup> P</sup>	1-1	-	4,423	1,010	5,431	4,940	328

1. 발전전용, 열병합, 열전용, 가스제조

1. Includes gas manufacturing, electricity-only, CHP and heat-only plant.

## 4.2 천연가스 수입

## Natural Gas Imports

		수입량 Import volume							수입액 Imports value
		합계 <sup>1</sup> Total <sup>1</sup>	호주 Australia	카타르 Qatar	미국 United States	말레이시아 Malaysia	오만 Oman	인도네시아 Indonesia	러시아 Russia
		1,000 ton							mil. USD
1990		2,237	-	-	0	-	-	2,237	-
1995		6,756	114	-	-	1,040	-	4,892	-
2000		15,239	54	3,251	0	2,529	1,619	6,633	-
2002		17,993	176	5,123	0	2,400	3,970	5,256	-
2003		19,308	123	5,694	-	2,798	4,714	5,200	-
2004		21,781	285	5,818	0	4,638	4,411	5,290	-
2005		22,317	748	6,211	-	4,688	4,244	5,502	-
2006		25,256	701	6,458	-	5,546	5,221	5,060	-
2007		25,569	422	8,031	0	6,161	4,792	3,755	-
2008		27,259	398	8,744	-	6,247	4,544	3,053	-
2009		25,822	1,314	6,973	-	5,874	4,551	3,084	1,017
2010		32,603	1,030	7,449	232	4,745	4,557	5,451	2,933
2011		36,685	787	8,153	113	4,144	4,195	7,894	2,850
2012		36,184	832	10,278	57	4,082	4,127	7,445	2,163
2013		39,876	620	13,354	-	4,314	4,331	5,627	1,841
2014		37,107	836	12,853	-	3,673	3,726	5,176	1,913
2015		33,366	1,952	12,442	-	3,698	3,990	3,776	2,679
2016		33,453	4,695	11,880	28	3,813	4,081	4,362	1,851
2017		37,537	6,997	11,554	1,959	3,749	4,231	3,542	1,923
2018		44,015	7,871	14,245	4,658	3,702	4,282	3,447	1,930
2019		40,748	7,775	11,311	5,226	4,802	3,946	2,336	2,247
2020		39,982	7,972	9,087	5,762	4,918	3,900	2,699	2,019
2021		45,932	9,465	11,464	8,478	3,906	4,415	2,387	2,867
2022		46,394	11,651	9,727	5,759	5,516	4,757	3,226	1,962
2023 <sup>P</sup>		44,117	10,422	8,605	5,113	6,115	4,966	2,909	1,654
2024 <sup>P</sup>		46,327	11,402	8,893	5,641	6,127	4,726	3,039	2,116
2023 <sup>P</sup>	1	4,790	1,216	622	517	565	642	331	127
	2	5,088	1,154	843	532	762	647	322	127
	3	4,034	574	888	546	638	490	131	318
	4	3,150	900	845	196	288	362	252	191
	5	3,105	791	635	453	438	288	299	-
	6	2,929	725	683	197	486	249	302	127
	7	2,614	504	632	324	358	296	176	62
	8	3,407	1,017	803	302	355	485	307	-
	9	2,918	438	980	527	334	391	119	128
	10	3,394	923	440	387	662	308	234	126
	11	3,718	804	475	582	624	365	118	256
	12	4,969	1,377	758	550	604	442	317	190
2024 <sup>P</sup>	1	4,852	1,175	808	665	601	360	316	249
	2	4,202	1,166	933	336	491	481	114	190
	3	3,576	783	613	312	656	293	317	191
	4	4,159	1,140	938	368	465	349	241	253
	5	3,585	1,027	415	397	186	474	371	190
	6	3,074	812	895	334	306	355	238	65
	7	3,041	503	610	794	299	298	287	69
	8	3,854	773	779	542	555	363	394	140
	9	3,285	877	522	609	393	371	315	197
	10	4,411	998	912	655	693	448	117	126
	11	4,005	1,270	551	257	738	437	209	255
	12	4,283	880	917	374	743	496	118	190
2025 <sup>P</sup>	1	4,423	1,366	780	390	624	429	245	192
2024 <sup>P</sup>	1-1	4,852	1,175	808	665	601	360	316	249
2025 <sup>P</sup>	1-1	4,423	1,366	780	390	624	429	245	192

1. 기타국가가 포함  
자료: 한국무역협회

1. Includes imports from other countries.  
Source: Korea International Trade Association

### 4.3 천연가스 소비

### Natural Gas Consumption

		합계 <sup>1</sup>	발전 및 열생산 투입		가스제조		전환자체소비 <sup>2</sup>	산업
		Total <sup>1</sup>	Power and heat production input	발전전용	열병합·열전용	Gas manufacturing	Transformation own use <sup>2</sup>	Industry
				Electricity-only	CHP & Heat-only			
		1,000 ton						
1990		2,317	1,741	1,741	—	572	—	4
1995		6,979	3,562	1,680	1,882	3,408	—	9
2000		14,554	4,529	2,575	1,954	9,528	337	160
2002		17,757	6,055	4,086	1,968	11,169	54	479
2003		18,610	6,049	4,116	1,933	11,939	164	458
2004		21,786	8,254	6,281	1,973	12,456	487	589
2005		23,298	8,623	6,664	1,959	13,978	211	486
2006		25,091	10,014	7,981	2,033	13,879	185	1,014
2007		26,659	11,529	7,823	3,706	14,350	136	645
2008		27,439	11,516	7,495	4,021	15,201	173	549
2009		25,981	9,900	6,421	3,479	15,328	52	700
2010		32,956	14,588	9,462	5,127	17,354	274	739
2011		35,500	16,171	12,707	3,465	18,090	470	769
2012		38,398	17,842	13,747	4,095	19,381	363	813
2013		40,205	19,864	15,663	4,201	19,400	144	798
2014		36,582	17,723	14,132	3,591	17,967	111	781
2015		33,440	15,782	12,336	3,445	16,732	57	868
2016		34,897	16,220	12,227	3,994	17,184	123	1,367
2017		36,376	16,421	12,010	4,411	18,199	363	1,401
2018		42,269	20,364	14,802	5,562	19,624	919	1,367
2019		40,990	19,406	14,016	5,390	18,633	1,479	1,475
2020		41,458	19,979	14,258	5,721	18,045	1,848	1,591
2021		45,781	23,249	16,943	6,306	19,118	1,817	1,605
2022		45,449	22,675	16,096	6,579	19,643	1,514	1,621
2023 <sup>P</sup>		43,921	21,618	15,134	6,485	18,129	2,020	2,162
2024 <sup>P</sup>		46,534	22,719	15,944	6,775	18,268	2,249	3,297
2023 <sup>P</sup>	1	5,319	2,198	1,379	820	2,832	121	170
	2	4,377	1,925	1,284	642	2,170	135	147
	3	3,940	1,942	1,362	579	1,687	142	170
	4	3,171	1,635	1,193	443	1,256	160	122
	5	3,009	1,593	1,189	404	1,043	193	180
	6	2,877	1,636	1,209	427	895	159	188
	7	3,167	1,876	1,414	462	903	180	207
	8	3,188	1,966	1,474	492	865	172	187
	9	2,969	1,725	1,272	454	874	179	191
	10	2,989	1,510	1,111	399	1,107	194	179
	11	3,898	1,675	1,101	574	1,849	196	179
	12	5,016	1,936	1,146	789	2,647	191	242
2024 <sup>P</sup>	1	5,438	2,200	1,383	817	2,786	188	264
	2	4,451	1,801	1,149	652	2,202	200	247
	3	4,479	2,019	1,385	634	2,070	196	194
	4	3,292	1,605	1,164	440	1,233	190	265
	5	3,224	1,649	1,248	402	1,106	196	274
	6	3,193	1,770	1,336	434	950	176	297
	7	3,499	2,077	1,558	519	950	182	291
	8	3,703	2,317	1,735	582	901	190	294
	9	3,141	1,837	1,365	471	844	188	272
	10	3,109	1,641	1,180	461	1,062	154	253
	11	3,789	1,735	1,164	570	1,569	175	310
	12	5,214	2,069	1,276	793	2,594	214	337
2025 <sup>P</sup>	1	5,468	2,160	1,244	916	2,780	200	328
2024 <sup>P</sup>	1-1	5,438	2,200	1,383	817	2,786	188	264
2025 <sup>P</sup>	1-1	5,468	2,160	1,244	916	2,780	200	328

1. 일차에너지소비

2. 석유정제, LNG 생산기지 내의 설비 운용 등

1. Total primary energy consumption

2. LNG consumption in oil refinery and LNG terminals

## 4.4 도시가스 수급

## City Gas Overview

		공급 Supply			소비 Consumption						
		프로판 투입(A)	LNG 투입(B)	도시가스 생산(A+B)	발전 및 열생산 투입	전환자체소비 <sup>1</sup>	최종소비				
		Propane	LNG	Production	Power and heat production input	Transformation own use <sup>1</sup>	TFC	산업	수송	가정	상업·공공
		TJ									
1990		-	31,117	31,117	-	-	42,350	9,821	-	19,024	13,506
1995		-	185,492	185,492	5,921	-	228,283	36,126	-	153,016	39,141
2000		-	518,610	518,610	11,701	-	523,759	138,504	-	307,858	77,399
2002		6,264	607,929	614,193	9,557	-	598,917	166,811	3,333	339,514	89,259
2003		3,306	649,823	653,128	10,462	-	636,885	174,898	6,098	357,160	98,729
2004		3,371	677,981	681,352	11,062	-	666,193	183,470	9,916	361,589	111,218
2005		3,408	760,799	764,207	20,406	-	739,893	194,914	14,204	391,212	139,563
2006		1,955	755,390	757,345	22,291	-	752,087	202,937	19,893	386,542	142,714
2007		2,114	781,030	783,144	24,768	-	778,716	218,749	25,742	386,274	147,951
2008		10,934	827,384	838,319	27,817	-	821,937	248,404	32,523	390,608	150,401
2009		7,608	834,297	841,905	27,758	-	829,412	246,634	40,186	392,262	150,330
2010		17,774	944,574	962,348	33,514	-	936,200	306,857	46,544	424,334	158,465
2011		24,512	984,605	1,009,117	38,744	-	975,004	350,994	49,164	422,849	151,997
2012		26,945	1,058,096	1,085,042	50,204	-	1,024,273	395,377	52,182	424,828	151,886
2013		4,441	1,059,148	1,063,588	44,504	-	1,045,539	421,206	54,519	419,678	150,136
2014		577	980,905	981,482	37,472	57,182	899,656	321,715	54,696	382,703	140,543
2015		650	913,480	914,130	33,176	11,659	891,995	315,629	53,646	382,271	140,449
2016		741	938,171	938,911	30,707	3,367	918,072	312,177	53,152	403,906	148,837
2017		893	995,123	996,016	33,220	3,411	968,052	332,989	52,477	428,647	153,939
2018		4,493	1,073,038	1,077,531	42,067	49,625	996,177	328,349	51,840	456,391	159,597
2019		988	1,018,825	1,019,813	29,645	35,525	966,918	322,031	50,893	438,740	155,254
2020		1,033	986,708	987,742	24,364	19,591	947,573	307,517	45,994	456,373	137,689
2021		6,808	1,045,368	1,052,176	26,533	37,892	978,944	328,869	44,363	464,885	140,826
2022		13,998	1,075,739	1,089,737	28,846	34,698	998,003	325,914	42,934	480,197	148,957
2023 <sup>P</sup>		10,854	992,784	1,003,638	22,748	24,352	925,489	301,410	41,359	435,096	147,624
2024 <sup>P</sup>		4,393	1,000,435	1,004,828	19,927	28,937	907,074	299,794	39,263	419,597	148,420
2023 <sup>P</sup>	1	3,999	155,091	159,089	5,476	2,654	144,774	30,626	3,390	91,389	19,369
	2	3,466	118,843	122,309	2,797	1,919	122,162	28,349	3,152	74,779	15,882
	3	668	92,390	93,058	1,616	1,535	94,441	27,439	3,459	50,630	12,914
	4	-	68,761	68,761	1,013	2,021	69,791	24,335	3,363	31,984	10,108
	5	-	57,133	57,133	827	1,438	57,702	23,950	3,507	20,876	9,370
	6	-	49,039	49,039	474	924	47,864	22,355	3,512	12,193	9,805
	7	-	49,460	49,460	489	1,334	46,885	21,838	3,662	10,562	10,824
	8	-	47,380	47,380	665	1,202	44,231	21,096	3,682	8,369	11,084
	9	-	47,865	47,865	568	1,515	43,742	21,411	3,449	9,140	9,742
	10	377	60,637	61,014	997	1,885	51,350	23,160	3,355	15,873	8,961
	11	649	101,252	101,901	2,791	2,767	80,492	26,935	3,387	37,854	12,316
	12	1,696	144,932	146,628	5,036	5,159	122,054	29,917	3,442	71,448	17,248
2024 <sup>P</sup>	1	1,986	152,589	154,575	4,978	4,109	135,896	30,590	3,395	83,279	18,632
	2	1,576	120,605	122,182	3,615	3,641	117,153	26,375	3,041	72,526	15,211
	3	830	113,376	114,206	2,234	2,188	104,897	27,609	3,262	59,777	14,248
	4	-	67,529	67,529	876	2,164	71,505	25,570	3,205	32,372	10,358
	5	-	60,554	60,554	1,143	1,982	56,547	25,050	3,511	18,575	9,412
	6	-	52,049	52,049	615	1,757	48,062	22,637	3,292	12,213	9,921
	7	-	52,010	52,010	457	1,646	47,983	22,513	3,474	10,639	11,357
	8	-	49,360	49,360	566	1,293	45,229	21,619	3,475	8,528	11,607
	9	-	46,193	46,193	419	1,430	41,620	20,118	3,200	7,836	10,466
	10	-	58,148	58,148	462	2,475	48,537	22,794	3,148	13,565	9,031
	11	-	85,947	85,947	1,194	2,445	71,089	25,322	3,092	31,574	11,102
	12	-	142,075	142,075	3,368	3,807	118,554	29,597	3,169	68,714	17,074
2025 <sup>P</sup>	1	516	152,231	152,747	4,224	4,453	136,384	29,400	2,949	86,084	17,950
2024 <sup>P</sup>	1-1	1,986	152,589	154,575	4,978	4,109	135,896	30,590	3,395	83,279	18,632
2025 <sup>P</sup>	1-1	516	152,231	152,747	4,224	4,453	136,384	29,400	2,949	86,084	17,950

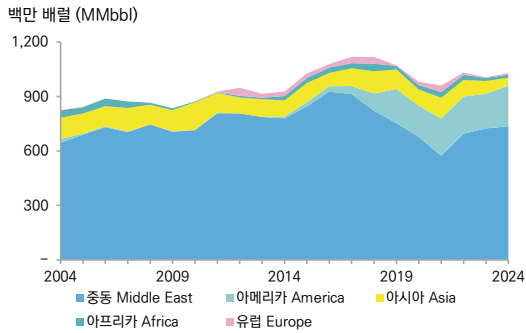
1. 코크스, 연탄 및 석유정제품 제조

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

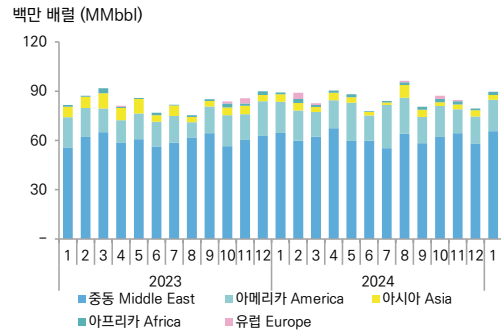


## ● 원유 수입 Crude Oil Imports

〈2004~2024〉

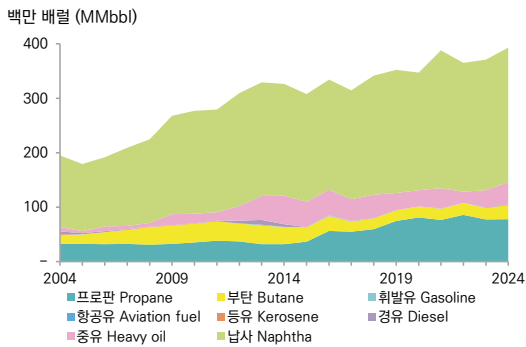


〈2023.1~2025.1〉

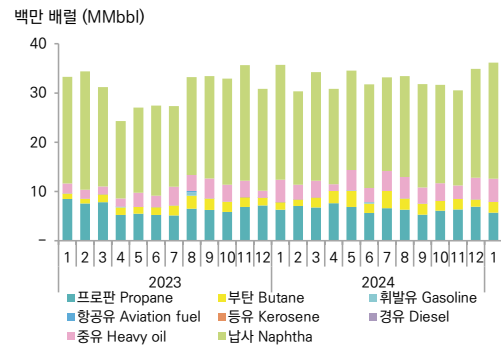


## ● 석유제품 수입 Petroleum Products Imports

〈2004~2024〉

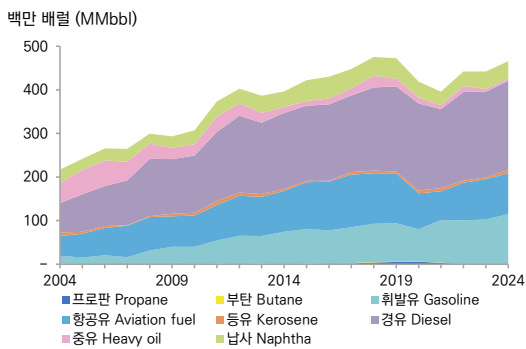


〈2023.1~2025.1〉

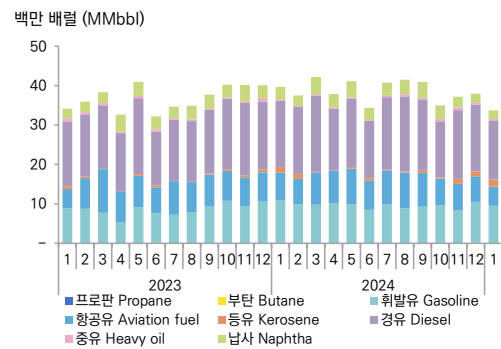


## ● 석유제품 수출 Petroleum Products Exports

〈2004~2024〉

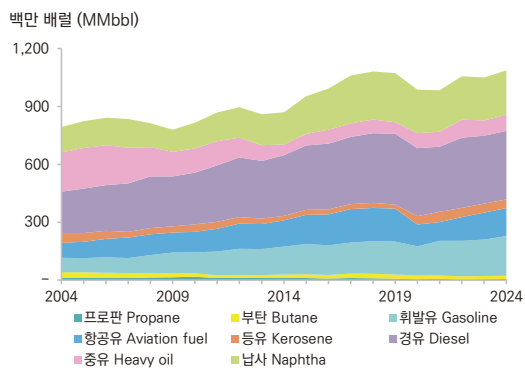


〈2023.1~2025.1〉

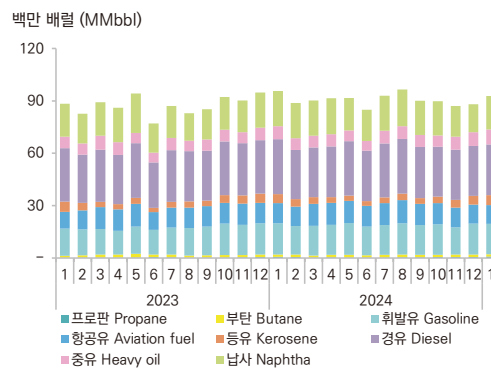


## ● 석유제품 생산 Petroleum Products Production

〈2004~2024〉

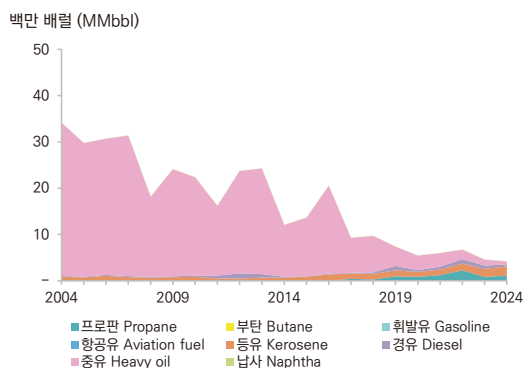


〈2023.1~2025.1〉

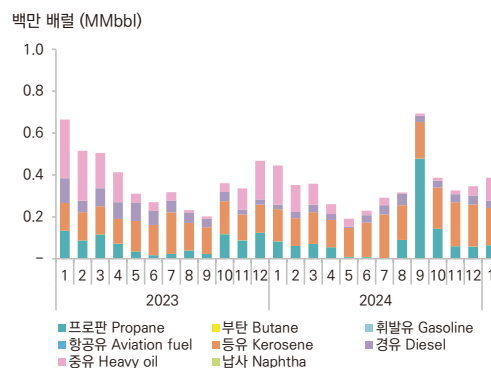


## ● 발전 및 열생산 투입 Power and Heat Production Input

〈2004~2024〉

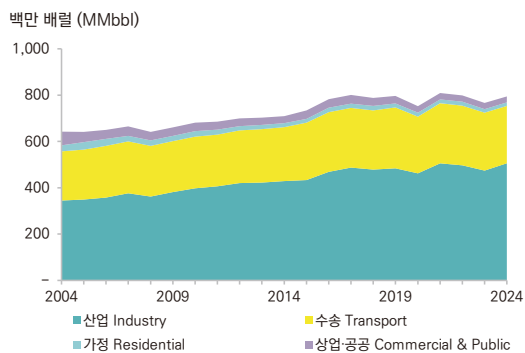


〈2023.1~2025.1〉

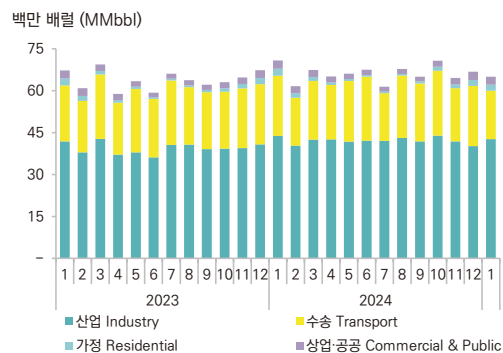


## ● 석유제품 부문별 최종소비 Final Consumption of Petroleum Products by Sector

〈2004~2024〉



〈2023.1~2025.1〉



## 5.1 원유 및 정제원료 수급

		생산	수입	수출	재고변화	일차에너지공급
		Production	Imports	Exports	Stock changes	TPES
1,000 bbl						
1990		-	310,494	-	3,469	313,963
1995		-	644,020	167	5,252	649,105
2000		-	899,809	743	-442	898,624
2002		-	800,488	932	-2,585	796,972
2003		-	812,494	326	-21,284	790,885
2004		-	830,674	96	2,073	832,651
2005		407	851,327	29	10,229	861,934
2006		333	892,296	21	-7,865	884,743
2007		236	873,674	489	10,919	884,340
2008		155	866,659	1,686	1,447	866,575
2009		321	837,008	2,233	4,441	839,537
2010		380	874,666	3,330	-1,896	869,820
2011		285	928,736	4,039	-3,928	921,053
2012		263	949,058	2,473	-2,057	944,792
2013		290	918,634	1,988	-6,060	910,875
2014		198	933,736	992	-8,093	924,848
2015		115	1,030,315	2,400	-10,774	1,017,256
2016		104	1,084,066	3,597	-4,172	1,076,400
2017		217	1,124,938	2,447	-1,633	1,121,075
2018		189	1,126,403	4,124	-8,626	1,113,842
2019		155	1,075,973	769	5,758	1,081,117
2020		103	987,422	448	1,876	988,952
2021		36	973,734	1,782	1,928	973,916
2022		17	1,047,685	1,848	-3,290	1,042,564
2023 <sup>P</sup>		-	1,018,299	2,515	4,688	1,020,472
2024 <sup>P</sup>		-	1,039,849	2,605	1,213	1,038,457
2023 <sup>P</sup>	1	-	82,517	212	4,673	86,977
	2	-	88,198	51	-6,591	81,556
	3	-	92,676	268	-4,940	87,468
	4	-	82,105	135	4,019	85,989
	5	-	86,626	256	6,453	92,823
	6	-	78,448	185	-3,424	74,839
	7	-	82,989	265	1,173	83,897
	8	-	76,766	355	3,398	79,809
	9	-	86,338	244	-4,503	81,592
	10	-	84,496	145	3,201	87,552
	11	-	86,447	153	343	86,638
	12	-	90,691	247	886	91,330
2024 <sup>P</sup>	1	-	90,430	211	-96	90,123
	2	-	89,808	339	-6,077	83,392
	3	-	83,417	286	4,564	87,696
	4	-	90,854	124	-3,361	87,369
	5	-	88,994	229	1,053	89,817
	6	-	78,932	1	3,041	81,972
	7	-	84,997	192	1,518	86,323
	8	-	97,224	247	-5,084	91,893
	9	-	81,389	304	3,294	84,379
	10	-	88,170	197	-2,615	85,358
	11	-	85,406	202	-1,104	84,100
	12	-	80,228	274	6,081	86,036
2025 <sup>P</sup>	1	-	90,632	220	-4,501	85,912
2024 <sup>P</sup>	1-1	-	90,430	211	-96	90,123
2025 <sup>P</sup>	1-1	-	90,632	220	-4,501	85,912

1. 석유제품 생산(석유 정제) 공정에 투입된 물량을 의미(에너지밸런스 상에서는 음수로 표현됨)

2. 첨가물과 기타탄화수소

자료: 통계청

## Crude Oil &amp; Refinery Feedstocks Overview

전환공정 <sup>1</sup>	원유	정제원료	기타 <sup>2</sup>	석유 정제품 생산능력지수	
Transformation processes <sup>1</sup>	Crude oil	Refinery feedstocks	Others <sup>2</sup>	Refined petroleum products capacity index	
1,000 bbl				2020=100	
313,973	312,045	1,928	-	27.8	1990
649,293	631,266	18,027	-	53.1	1995
897,543	892,224	6,031	-712	76.4	2000
809,469	787,290	22,901	-722	76.5	2002
794,658	783,518	11,343	-202	76.5	2003
832,238	826,967	4,904	367	76.6	2004
860,864	852,544	7,603	717	76.6	2005
881,453	878,417	2,230	806	78.5	2006
882,291	882,409	-925	807	78.6	2007
863,787	865,680	-3,270	1,377	77.4	2008
835,024	838,419	-4,406	1,012	77.7	2009
869,469	872,263	-4,157	1,363	79.3	2010
926,980	924,447	1,399	1,134	82.0	2011
955,613	946,046	8,668	899	82.3	2012
922,923	909,539	12,673	711	83.0	2013
939,156	918,377	21,601	-822	90.5	2014
1,030,109	1,014,957	14,606	546	90.6	2015
1,085,610	1,072,234	12,643	733	95.6	2016
1,153,915	1,116,614	36,670	631	96.7	2017
1,175,276	1,106,317	68,740	219	97.7	2018
1,159,008	1,064,217	94,852	-62	97.7	2019
1,089,285	980,379	108,939	-33	100.2	2020
1,089,068	961,384	128,356	-672	101.9	2021
1,155,425	1,026,102	130,311	-988	101.9	2022
1,149,566	1,006,626	142,894	46	102.0	2023 <sup>p</sup>
1,178,690	1,027,499	151,761	-570	102.0	2024 <sup>p</sup>
97,024	86,234	10,891	-101	102.0	1 2023 <sup>p</sup>
90,398	80,581	9,934	-117	102.0	2
97,319	86,234	11,022	63	102.0	3
94,098	85,692	8,350	56	102.0	4
102,390	91,597	10,823	-30	102.0	5
84,275	72,417	11,824	34	102.0	6
94,895	82,668	12,148	79	102.0	7
90,314	79,158	11,100	56	102.0	8
94,360	80,532	13,850	-22	102.0	9
101,466	86,154	15,200	112	102.0	10
99,640	84,942	14,703	-5	102.0	11
103,386	90,417	13,048	-79	102.0	12
103,984	88,693	15,413	-122	102.0	1 2024 <sup>p</sup>
95,713	83,015	12,771	-73	102.0	2
97,948	87,133	10,879	-63	102.0	3
98,635	87,124	11,619	-108	102.0	4
99,758	88,445	11,388	-75	102.0	5
92,116	81,298	10,752	66	102.0	6
100,795	85,042	15,797	-44	102.0	7
104,105	90,395	13,682	29	102.0	8
96,939	83,310	13,668	-38	102.0	9
97,056	84,820	12,224	11	102.0	10
94,623	83,332	11,378	-87	102.0	11
97,017	84,892	12,190	-65	102.0	12
99,899	85,633	14,337	-71	102.0	1 2025 <sup>p</sup>
103,984	88,693	15,413	-122	102.0	1~1 2024 <sup>p</sup>
99,899	85,633	14,337	-71	102.0	1~1 2025 <sup>p</sup>

1. Oil refining inputs. Negative means that the energy commodity was produced through this process.

2. Additives and other hydrocarbons

Source: Statistics Korea

## 5.2 국별 원유 수입

		합계	중동							
			Middle East							
		소계 <sup>1</sup>	사우디아라비아	아랍에미레이트	이라크	쿠웨이트	카타르	오만	이란	
		Total	Subtotal <sup>1</sup>	Saudi Arabia	UAE	Iraq	Kuwait	Qatar	Oman	Iran
1,000 bbl										
1990		308,368	229,017	39,616	49,877	10,534	17,069	6,610	63,686	34,287
1995		624,945	486,528	226,863	70,536	-	25,233	10,871	55,131	68,314
2000		893,943	686,916	264,925	128,064	17,819	66,627	45,722	46,632	81,251
2002		790,992	579,865	240,765	105,905	3,759	56,996	35,330	42,053	51,512
2003		804,809	639,453	250,473	138,869	1,931	65,885	46,780	40,927	63,682
2004		824,794	645,183	253,849	145,598	11,358	64,659	45,581	32,832	64,974
2005		843,203	689,356	249,337	150,608	14,972	79,679	53,122	38,799	70,767
2006		888,794	730,843	261,563	158,865	15,401	92,620	49,871	36,273	75,058
2007		872,541	704,020	249,887	141,887	46,590	94,031	46,088	14,760	85,793
2008		864,872	746,458	262,637	158,109	41,227	104,593	64,402	16,670	73,016
2009		835,085	705,363	254,799	114,592	62,494	100,090	53,673	17,507	81,437
2010		872,415	713,647	276,787	105,656	59,956	103,079	64,362	12,152	72,605
2011		927,044	807,908	291,348	87,234	89,242	117,370	93,146	16,715	87,184
2012		947,292	805,971	303,049	86,536	93,122	137,647	103,825	8,761	56,146
2013		915,075	786,813	286,588	110,809	90,739	139,853	86,090	3,543	48,214
2014		927,524	778,923	292,592	108,472	71,151	136,546	100,127	6,516	44,923
2015		1,026,107	844,637	305,779	99,835	126,635	141,856	123,228	2,897	42,400
2016		1,078,119	926,201	324,448	87,743	138,328	159,273	88,150	16,317	111,942
2017		1,118,167	913,446	319,221	90,971	126,203	160,368	64,934	3,876	147,873
2018		1,116,281	820,994	323,174	72,030	138,131	162,005	65,980	1,471	58,202
2019		1,071,923	752,564	296,871	88,811	118,412	150,587	64,293	360	33,230
2020		980,259	676,409	325,808	77,563	77,196	129,699	59,735	3,907	-
2021		960,147	574,430	281,774	56,809	59,993	101,721	50,610	6,574	-
2022		1,031,283	695,122	339,567	85,235	87,050	103,656	48,212	3,529	-
2023 <sup>p</sup>		1,005,770	723,134	327,603	109,866	90,514	96,195	67,782	4,911	-
2024 <sup>p</sup>		1,029,398	736,192	331,025	140,641	96,705	79,824	57,055	6,422	-
2023 <sup>p</sup>	1	81,634	55,819	27,833	5,754	7,276	8,363	4,820	-	-
	2	87,163	62,128	25,576	10,954	7,429	7,214	6,181	-	-
	3	91,780	65,085	30,381	8,340	7,770	9,158	6,192	-	-
	4	81,137	58,541	29,525	6,717	5,735	7,393	6,696	-	-
	5	85,788	60,844	24,294	10,691	7,277	7,914	8,938	-	-
	6	76,849	56,348	24,105	8,189	8,894	6,876	5,665	950	-
	7	81,760	58,631	27,926	5,790	6,860	9,182	6,143	1,002	-
	8	75,322	61,810	26,688	9,533	6,896	9,507	7,098	-	-
	9	85,115	64,413	29,628	12,201	6,791	8,131	6,016	-	-
	10	83,669	56,508	23,881	10,784	8,888	8,122	3,708	-	-
	11	85,666	60,291	27,593	10,306	8,815	6,827	2,993	2,008	-
	12	89,888	62,717	30,175	10,606	7,884	7,508	3,332	951	-
2024 <sup>p</sup>	1	89,135	64,519	27,588	11,460	7,851	8,254	5,093	1,412	-
	2	89,022	59,929	24,023	11,110	8,419	9,506	4,136	-	-
	3	82,586	62,351	25,838	13,981	8,000	5,224	4,861	-	-
	4	90,406	67,414	28,277	16,095	7,749	4,821	6,653	2,000	-
	5	88,164	59,689	29,978	8,711	8,317	5,696	5,262	-	-
	6	77,774	59,810	24,915	13,359	8,849	5,616	4,518	-	-
	7	84,095	55,272	28,419	7,340	6,946	5,530	5,831	-	-
	8	96,294	64,131	26,036	12,101	8,886	8,417	5,420	1,351	-
	9	80,583	58,361	27,693	11,630	6,885	6,296	4,453	501	-
	10	87,263	62,132	27,878	13,871	7,678	6,735	3,417	208	-
	11	84,669	64,420	29,318	11,964	7,805	8,539	5,042	951	-
	12	79,407	58,164	31,061	9,018	9,319	5,191	2,369	-	-
2025 <sup>p</sup>	1	89,629	65,620	30,073	11,629	7,808	7,655	6,340	2,069	-
2024 <sup>p</sup>	1-1	89,135	64,519	27,588	11,460	7,851	8,254	5,093	1,412	-
2025 <sup>p</sup>	1-1	89,629	65,620	30,073	11,629	7,808	7,655	6,340	2,069	-

1. 기타 국가 물량 포함

자료 : 한국석유공사-PEDSIS

## Crude Oil Imports by Country

아메리카			아시아				아프리카	유럽	
America			Asia						
소계 <sup>1</sup>	미국	멕시코	소계 <sup>1</sup>	호주	카자흐스탄	러시아			
Subtotal <sup>1</sup>	US	Mexico	Subtotal <sup>1</sup>	Australia	Kazakhstan	Russia	Africa	Europe	
1,000 bbl									
7,132	-	3,091	62,530	689	-	214	9,689	-	1990
18,456	-	-	82,050	4,939	-	2,464	37,911	-	1995
21,365	6,341	-	112,669	34,990	-	9,946	67,749	5,245	2000
30,282	-	-	136,756	39,552	4,121	15,049	35,877	8,212	2002
28,543	-	-	100,721	25,396	4,247	7,025	34,156	1,936	2003
21,447	-	-	116,287	32,068	-	8,517	41,878	-	2004
5,363	-	-	111,937	31,879	-	8,305	34,424	2,124	2005
4,831	-	-	110,306	34,652	-	13,973	42,814	-	2006
1,690	-	-	131,273	39,101	-	38,129	35,557	-	2007
-	-	-	108,482	34,499	-	23,463	9,932	-	2008
1,734	-	-	116,379	34,423	-	28,037	11,608	-	2009
1,823	-	-	152,354	31,735	-	50,160	4,592	-	2010
2,796	-	-	108,402	15,101	-	32,971	2,772	5,166	2011
314	-	-	88,190	7,723	-	30,551	9,233	43,585	2012
329	-	-	97,047	15,992	-	40,107	8,096	22,790	2013
10,053	1,663	-	88,623	20,861	7,690	34,480	25,301	24,625	2014
23,255	2,909	14,886	106,263	17,694	13,310	51,096	26,691	25,261	2015
30,080	2,445	27,635	72,756	12,049	4,299	39,360	30,496	18,587	2016
44,453	13,429	31,024	97,233	11,679	26,501	38,570	28,189	34,847	2017
95,094	60,942	31,966	122,832	11,092	55,434	39,323	40,901	36,461	2018
187,735	137,894	45,902	107,943	7,886	57,933	30,740	19,928	3,753	2019
173,044	104,409	50,162	88,493	14,564	18,928	46,929	24,549	17,765	2020
204,188	118,668	54,400	113,932	22,009	32,662	53,748	32,000	35,597	2021
204,604	136,414	40,764	91,418	20,668	47,599	20,983	27,703	12,436	2022
192,408	142,379	30,483	69,224	24,581	38,758	-	16,048	4,956	2023 <sup>p</sup>
222,043	168,411	26,477	44,840	26,525	11,529	-	17,973	8,350	2024 <sup>p</sup>
18,365	14,467	1,971	6,384	2,988	3,170	-	1,067	-	1 2023 <sup>p</sup>
17,609	11,164	3,991	6,800	1,972	4,178	-	626	-	2
14,350	10,427	1,994	9,328	2,365	5,727	-	3,017	-	3
13,814	10,872	1,967	7,454	2,620	4,834	-	601	727	4
15,627	10,763	1,997	8,717	2,177	6,248	-	600	-	5
15,020	11,277	2,000	4,041	1,959	2,082	-	1,440	-	6
16,286	12,400	1,994	6,402	691	4,212	-	440	-	7
9,241	8,276	-	3,202	1,130	2,072	-	1,069	-	8
16,273	8,076	5,970	3,388	2,039	1,022	-	1,042	-	9
18,919	14,816	1,974	4,688	2,017	2,112	-	2,454	1,100	10
15,748	13,106	2,642	5,038	2,646	2,077	-	1,460	3,130	11
21,157	16,734	3,984	3,782	1,978	1,025	-	2,232	-	12
19,111	14,219	3,945	4,460	1,300	3,160	-	1,045	-	1 2024 <sup>p</sup>
18,327	13,624	772	4,556	3,252	-	-	2,452	3,760	2
14,951	12,254	1,224	3,062	682	2,139	-	1,267	956	3
17,118	12,367	1,972	4,583	2,636	1,093	-	1,290	-	4
23,214	18,521	1,990	3,413	1,331	2,082	-	1,848	-	5
15,378	13,934	1,443	2,149	1,849	-	-	437	-	6
26,348	20,065	3,537	1,429	1,101	-	-	1,047	-	7
21,870	15,883	3,430	7,722	5,174	2,549	-	1,769	801	8
15,912	10,630	2,494	4,452	3,264	507	-	1,859	-	9
18,853	13,393	1,974	2,274	1,361	-	-	1,941	2,062	10
14,588	11,386	1,667	2,871	1,980	-	-	2,019	771	11
16,375	12,134	2,027	3,869	2,596	-	-	999	-	12
19,125	13,958	3,262	2,882	2,034	-	-	2,001	-	1 2025 <sup>p</sup>
19,111	14,219	3,945	4,460	1,300	3,160	-	1,045	-	1-1 2024 <sup>p</sup>
19,125	13,958	3,262	2,882	2,034	-	-	2,001	-	1-1 2025 <sup>p</sup>

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

Source: Korea National Oil Corporation-PEDSIS

## 5.3 석유정제 및 전환공정 투입

		석유정제 Oil refining						
		석유정제 투입	석유제품 생산	프로판	부탄	휘발유	항공유	등유
		Oil refining input	Oil refining output	Propane	Butane	Gasoline	Aviation fuel	Kerosene
		1,000 bbl						
1990		313,973	300,671	3,345	8,812	23,985	16,405	13,600
1995		649,293	630,447	4,506	11,510	60,445	34,981	40,852
2000		897,543	898,150	10,905	25,044	76,336	59,568	87,824
2002		809,469	818,580	9,626	30,835	76,744	67,734	62,721
2003		794,658	797,438	10,526	29,794	71,385	55,020	64,500
2004		832,238	841,987	11,033	30,194	74,969	76,644	50,535
2005		860,864	886,181	11,182	28,887	73,877	84,904	45,271
2006		881,453	894,250	11,209	26,973	80,616	95,490	41,220
2007		882,291	890,883	10,227	26,000	78,375	105,699	30,021
2008		863,787	875,161	12,968	23,218	93,710	107,675	31,846
2009		835,024	846,060	15,274	21,128	106,615	102,664	33,348
2010		869,469	900,247	17,149	18,282	108,921	105,458	39,176
2011		926,980	944,587	10,992	14,207	122,473	118,137	35,813
2012		955,613	978,095	12,544	13,798	136,490	130,697	32,625
2013		922,923	967,180	11,373	14,405	134,758	129,990	28,204
2014		939,156	988,461	11,467	17,560	145,127	135,208	23,097
2015		1,030,109	1,073,059	11,135	18,935	156,999	151,720	24,958
2016		1,085,610	1,118,794	8,127	18,142	154,036	160,738	25,688
2017		1,153,915	1,185,996	10,509	23,422	160,624	174,006	25,606
2018		1,175,276	1,207,900	9,127	24,200	169,511	170,998	26,829
2019		1,159,008	1,196,345	6,833	22,216	170,280	170,766	21,485
2020		1,089,285	1,112,863	4,713	19,105	151,393	112,582	44,372
2021		1,089,068	1,113,422	6,706	17,735	178,751	97,182	53,657
2022		1,155,425	1,189,404	2,224	17,488	183,838	122,855	47,659
2023 <sup>P</sup>		1,149,566	1,183,019	3,887	17,936	188,916	139,254	46,318
2024 <sup>P</sup>		1,178,690	1,216,593	5,328	16,821	205,453	145,120	45,463
2023 <sup>P</sup>	1	97,024	99,923	162	1,175	15,540	9,504	5,896
	2	90,398	93,098	330	1,271	14,840	10,829	4,382
	3	97,319	100,005	220	1,837	14,510	12,598	3,029
	4	94,098	96,804	277	1,674	13,606	12,295	2,985
	5	102,390	106,182	330	2,099	15,627	12,999	3,444
	6	84,275	86,884	500	1,562	14,032	10,262	2,308
	7	94,895	97,901	467	1,528	15,391	11,547	3,175
	8	90,314	93,862	130	1,313	15,768	11,697	3,491
	9	94,360	96,420	246	1,302	16,472	11,649	3,209
	10	101,466	103,819	289	1,380	17,993	11,981	4,438
	11	99,640	101,796	348	1,329	17,345	12,139	4,680
	12	103,386	106,325	587	1,465	17,793	11,753	5,280
2024 <sup>P</sup>	1	103,984	107,233	712	1,270	17,858	11,618	5,088
	2	95,713	99,503	595	1,400	16,274	11,203	4,253
	3	97,948	100,773	224	1,256	17,007	12,526	3,894
	4	98,635	101,827	365	1,496	17,095	12,582	3,273
	5	99,758	102,984	290	1,604	18,051	12,805	3,042
	6	92,116	95,387	227	1,356	16,426	11,806	2,831
	7	100,795	103,740	345	1,461	17,047	12,644	3,219
	8	104,105	107,314	384	1,540	17,888	13,415	3,669
	9	96,939	100,456	452	1,450	17,016	12,059	3,268
	10	97,056	100,457	508	1,361	17,425	12,203	3,613
	11	94,623	97,931	603	1,320	15,612	11,291	4,424
	12	97,017	98,989	623	1,308	17,755	10,967	4,889
2025 <sup>P</sup>	1	99,899	103,552	859	1,269	17,458	10,778	5,678
2024 <sup>P</sup>	1-1	103,984	107,233	712	1,270	17,858	11,618	5,088
2025 <sup>P</sup>	1-1	99,899	103,552	859	1,269	17,458	10,778	5,678

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

2. 용제, 윤활유, 아스팔트, 파라핀왁스, 석유코크, 기타석유제품 등

## Oil Refining and Energy Transformation Processes

				발전 및 열생산 투입 <sup>1</sup>				
				Power and Heat production input <sup>1</sup>				
				발전전용	열병합	열전용		
경유	중유	납사	기타 <sup>2</sup>					
Diesel	Heavy oil	Naphtha	Others <sup>2</sup>	Electricity-only	CHP	Heat-only		
1,000 bbl								
95,010	102,705	31,151	5,659	29,720	-	0	1990	
181,389	208,597	76,620	11,545	62,201	-	2,059	1995	
228,204	230,510	142,054	37,706	32,247	6,281	2,715	2000	
205,437	189,808	133,103	42,572	30,017	6,386	3,387	2002	
200,644	204,384	116,501	44,684	30,515	6,110	3,840	2003	
215,217	202,451	131,886	49,057	24,114	5,756	4,298	2004	
229,813	211,249	138,131	62,867	21,710	4,013	4,062	2005	
236,329	207,786	142,343	52,285	23,530	3,644	3,533	2006	
250,438	185,083	149,630	55,411	25,439	2,737	3,213	2007	
267,800	151,959	124,344	61,642	13,711	2,054	2,385	2008	
258,387	126,246	116,317	66,081	19,584	2,229	2,306	2009	
267,196	125,491	133,950	84,626	18,201	1,767	2,403	2010	
292,885	124,722	149,304	76,055	13,728	707	1,709	2011	
309,772	102,477	157,199	82,493	22,222	176	1,300	2012	
299,242	81,718	160,125	107,364	22,726	235	1,274	2013	
315,056	55,781	166,557	118,608	10,433	592	1,036	2014	
334,360	58,921	196,028	120,002	12,079	773	767	2015	
339,998	72,756	213,617	125,690	18,500	807	1,251	2016	
347,167	70,065	249,148	125,448	7,042	1,019	1,184	2017	
360,752	70,667	248,724	127,093	8,016	591	1,099	2018	
367,540	59,492	254,353	123,381	5,287	397	1,711	2019	
351,861	77,276	224,925	126,636	3,377	449	1,594	2020	
337,745	77,512	214,883	129,249	3,811	377	1,773	2021	
363,454	93,575	224,504	133,807	4,056	967	1,683	2022	
351,798	78,914	222,856	133,140	2,678	529	1,388	2023 <sup>p</sup>	
354,708	83,003	230,976	129,721	2,638	767	791	2024 <sup>p</sup>	
30,563	6,702	18,793	11,587	275	110	279	1	2023 <sup>p</sup>
27,497	6,416	17,083	10,450	212	71	233	2	
29,906	7,918	19,181	10,807	286	43	176	3	
28,189	7,262	19,797	10,720	251	51	111	4	
31,260	5,838	22,581	12,004	249	28	33	5	
26,137	5,457	16,779	9,845	213	45	11	6	
29,718	6,876	18,397	10,803	260	43	15	7	
28,720	6,032	15,745	10,966	185	21	26	8	
28,564	6,409	17,325	11,243	170	7	25	9	
30,658	6,681	18,780	11,619	239	52	71	10	
29,977	6,250	18,205	11,523	146	26	163	11	
30,609	7,073	20,192	11,572	191	32	245	12	
31,481	7,467	20,128	11,611	181	45	219	1	2024 <sup>p</sup>
28,199	6,701	20,090	10,789	178	34	140	2	
28,398	6,816	20,035	10,617	204	35	120	3	
29,072	7,033	20,603	10,308	175	16	69	4	
31,139	6,175	18,523	11,355	164	0	27	5	
28,786	5,655	17,814	10,483	208	7	14	6	
30,941	7,266	19,947	10,870	265	11	14	7	
31,361	7,178	21,052	10,827	258	51	8	8	
29,353	6,836	19,569	10,453	249	436	9	9	
28,641	6,460	19,636	10,609	241	101	45	10	
28,742	7,530	17,502	10,906	264	26	36	11	
28,593	7,885	16,076	10,894	252	4	90	12	
29,048	8,479	19,176	10,809	216	47	123	1	2025 <sup>p</sup>
31,481	7,467	20,128	11,611	181	45	219	1-1	2024 <sup>p</sup>
29,048	8,479	19,176	10,809	216	47	123	1-1	2025 <sup>p</sup>

1. Power generation and heat production inputs of petroleum products

2. Includes solvent, lubricant, asphalt, paraffin wax, petroleum coke, etc.

## 5.4 석유제품 수급

	공급 Supply						
	수입	수출	국제빙커링	재고변화	일차에너지공급	석유정제 산출	
	Imports	Exports	International Bunkers	Stock changes	TPES	Oil refining output	
	1,000 bbl						
1990	101,248	27,184	28,800	-5,166	40,098	300,671	
1995	205,428	122,630	65,812	-1,284	15,703	630,447	
2000	204,301	303,723	86,266	-6,861	-192,548	898,150	
2002	228,543	235,567	85,181	5,973	-86,232	818,580	
2003	219,897	203,343	90,960	1,160	-73,245	797,438	
2004	195,110	227,306	95,034	-8,213	-135,444	841,987	
2005	179,354	262,647	95,725	9,518	-169,499	886,181	
2006	191,560	278,632	90,973	-3,351	-181,396	894,250	
2007	209,130	279,659	94,500	2,378	-162,651	890,883	
2008	224,614	317,870	88,709	4,581	-177,384	875,161	
2009	267,832	312,654	81,534	3,020	-123,336	846,060	
2010	276,849	340,597	87,436	-2,767	-153,952	900,247	
2011	279,260	394,944	86,801	803	-201,682	944,587	
2012	309,599	425,574	85,120	-6,692	-207,786	978,095	
2013	329,205	429,291	85,548	-1,133	-186,766	967,180	
2014	326,623	448,822	86,802	-89	-209,090	988,461	
2015	307,875	477,425	93,774	-2,047	-265,370	1,073,059	
2016	334,608	487,716	105,124	2,603	-255,629	1,118,794	
2017	314,487	509,113	103,695	-1,663	-299,983	1,185,996	
2018	341,628	531,563	102,293	-10,905	-303,132	1,207,900	
2019	352,147	522,099	94,656	8,063	-256,545	1,196,345	
2020	347,302	468,529	90,868	1,152	-210,942	1,112,863	
2021	392,317	446,559	89,844	1,109	-142,976	1,113,422	
2022	367,072	497,020	102,335	48	-232,234	1,189,404	
2023 <sup>P</sup>	372,054	494,404	112,404	-6,174	-240,928	1,183,019	
2024 <sup>P</sup>	393,776	514,045	125,287	7,205	-238,352	1,216,593	
2023 <sup>P</sup>	1	33,359	39,244	9,126	-1,323	-16,334	99,923
	2	34,435	40,766	7,903	-4,185	-18,418	93,098
	3	31,283	43,206	9,124	4,305	-16,743	100,005
	4	24,379	37,423	8,966	-4,428	-26,438	96,804
	5	27,036	45,479	9,008	-2,476	-29,927	106,182
	6	27,597	36,010	8,990	2,337	-15,066	86,884
	7	27,444	38,094	10,134	3,494	-17,291	97,901
	8	33,337	38,825	9,130	-2,156	-16,773	93,862
	9	33,513	41,984	9,600	-1,204	-19,275	96,420
	10	33,051	44,980	9,943	-35	-21,906	103,819
	11	35,765	43,803	9,924	-1,451	-19,414	101,796
	12	30,855	44,589	10,556	947	-23,343	106,325
2024 <sup>P</sup>	1	35,947	44,347	10,545	1,776	-17,170	107,233
	2	30,423	41,965	9,712	-373	-21,627	99,503
	3	34,353	46,530	10,219	2,100	-20,296	100,773
	4	30,984	41,860	9,877	-547	-21,299	101,827
	5	34,572	45,541	10,336	-2,836	-24,141	102,984
	6	31,820	37,420	9,885	517	-14,968	95,387
	7	33,178	44,524	10,493	-2,394	-24,232	103,740
	8	33,452	45,906	11,399	-340	-24,193	107,314
	9	31,871	43,923	10,455	3,370	-19,138	100,456
	10	31,661	38,744	10,492	3,446	-14,129	100,457
	11	30,560	41,424	10,687	1,717	-19,834	97,931
	12	34,956	41,961	11,187	869	-17,323	98,989
2025 <sup>P</sup>	1	36,274	37,186	10,906	-10,540	-22,359	103,552
2024 <sup>P</sup>	1-1	35,947	44,347	10,545	1,776	-17,170	107,233
2025 <sup>P</sup>	1-1	36,274	37,186	10,906	-10,540	-22,359	103,555

1. 가정, 상업, 공공부문 합계

## Petroleum Products Overview

소비 Consumption						
발전 및 열생산 투입	전환자체소비	최종소비	산업	수송	건물 <sup>1</sup>	
Power and heat production input	Transformation Own Use	TFC	Industry	Transport	Building <sup>1</sup>	
1,000 bbl						
29,720	6,177	298,791	136,088	87,424	75,279	1990
64,260	13,730	558,685	253,191	164,992	140,503	1995
41,243	36,267	630,544	334,302	183,621	112,622	2000
39,790	32,289	646,205	338,473	205,299	102,433	2002
40,464	31,979	648,500	339,475	211,798	97,227	2003
34,169	32,274	642,486	345,018	212,454	85,014	2004
29,785	32,920	640,864	349,108	215,907	75,849	2005
30,707	32,838	650,245	357,382	223,716	69,147	2006
31,389	34,043	664,737	376,104	223,823	64,809	2007
18,150	38,291	641,487	361,752	218,940	60,795	2008
24,119	36,935	660,470	381,381	220,471	58,619	2009
22,370	33,486	681,595	397,694	223,353	60,548	2010
16,144	36,233	685,590	406,387	222,535	56,668	2011
23,699	38,174	699,879	419,861	227,457	52,561	2012
24,235	38,481	703,082	422,641	230,691	49,749	2013
12,062	39,214	709,141	428,460	232,807	47,873	2014
13,619	43,816	734,560	433,577	247,511	53,472	2015
20,557	46,129	782,758	469,195	257,307	56,256	2016
9,245	40,552	801,275	487,121	257,708	56,447	2017
9,706	41,677	788,210	478,445	256,066	53,700	2018
7,396	41,759	796,132	483,878	263,189	49,065	2019
5,420	41,306	752,269	462,169	245,380	44,720	2020
5,961	38,312	809,098	505,836	259,041	44,221	2021
6,706	38,981	798,903	496,939	258,008	43,955	2022
4,595	39,205	766,182	473,704	250,712	41,765	2023 <sup>p</sup>
4,197	41,127	794,661	505,934	247,929	40,798	2024 <sup>p</sup>
665	3,629	67,263	41,862	20,005	5,396	1 2023 <sup>p</sup>
515	3,326	60,935	37,954	18,371	4,609	2
504	3,360	69,369	42,773	23,013	3,583	3
414	3,076	58,806	37,082	18,641	3,083	4
311	3,347	63,426	37,916	22,709	2,801	5
270	2,632	59,282	36,139	20,883	2,260	6
318	3,148	66,069	40,627	23,044	2,397	7
232	2,974	63,793	40,726	20,484	2,583	8
202	3,291	62,101	39,091	20,375	2,635	9
361	3,446	63,060	39,292	20,368	3,400	10
336	3,332	64,720	39,464	21,303	3,953	11
468	3,646	67,358	40,777	21,516	5,064	12
446	3,784	70,835	43,859	21,534	5,442	1 2024 <sup>p</sup>
352	3,471	61,587	40,321	17,217	4,049	2
358	3,525	67,429	42,445	21,051	3,934	3
260	3,320	65,086	42,539	19,531	3,015	4
191	3,496	66,064	41,748	21,717	2,599	5
229	3,250	67,463	42,157	22,849	2,457	6
291	3,465	61,453	42,012	17,066	2,374	7
317	3,437	67,734	43,127	22,327	2,280	8
693	3,311	64,989	41,838	20,766	2,385	9
386	3,334	70,723	43,932	23,213	3,578	10
326	3,275	64,545	41,815	19,121	3,608	11
346	3,458	66,754	40,140	21,537	5,077	12
386	3,665	64,993	42,651	17,361	4,981	1 2025 <sup>p</sup>
446	3,784	70,835	43,859	21,534	5,442	1~1 2024 <sup>p</sup>
386	3,665	64,993	42,651	17,361	4,981	1~1 2025 <sup>p</sup>

1. Sum of residential, commercial and public sector

## 5.4.1 프로판 수급

## Propane Overview

	공급 Supply					소비 Consumption							
	수입  Imports	수출  Exports	재고변화  Stock changes	일차에너지 공급 TPES	석유정제 산출  Oil refining output	발전 및 열생산 투입  Power and heat production input	전환자체소비  Transformati on Own Use	최종소비					
								산업 Industry	석유화학원료 Petrochem feedstock	수송 Transport	건물 Building		
1,000 bbl													
1990	22,127	593	-1,038	20,495	3,345	-	2,704	21,168	1,326	-	153	19,690	
1995	43,360	1,766	298	41,891	4,506	-	12,773	33,457	6,001	2,083	145	27,311	
2000	40,209	5,287	354	35,276	10,905	-	3,254	42,830	12,918	7,102	76	29,835	
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	501	36,078	13,358	7,656	6	22,714	
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	36,916	1,563	237	35,589	12,544	1	1,152	33,644	16,490	9,033	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	-623	74,481	4,713	829	2,136	70,644	52,893	42,383	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 <sup>P</sup>	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	5,328	1,115	1,537	78,271	59,544	47,733	45	18,682	
2023 <sup>P</sup>	1	8,486	48	337	8,774	162	133	302	6,898	4,868	3,539	2	2,028
	2	7,593	41	550	8,102	330	87	224	6,592	4,424	3,174	2	2,166
	3	7,822	22	-807	6,994	220	116	225	6,114	4,518	3,428	1	1,594
	4	5,243	14	502	5,731	277	71	151	5,647	4,219	3,375	2	1,426
	5	5,487	35	153	5,605	330	35	160	5,755	4,372	3,714	2	1,380
	6	5,246	72	-624	4,550	500	17	136	4,705	3,586	2,978	1	1,119
	7	5,137	14	94	5,217	467	23	149	5,361	4,234	3,202	1	1,126
	8	6,479	8	215	6,686	130	39	154	6,477	5,065	4,041	1	1,411
	9	6,234	16	-283	5,935	246	23	170	5,832	4,623	3,684	1	1,208
	10	5,856	16	211	6,051	289	118	185	5,802	4,403	3,419	1	1,397
	11	6,857	25	-409	6,423	348	88	165	5,781	4,107	2,948	1	1,673
	12	7,176	41	-810	6,325	587	124	220	5,594	3,524	2,013	2	2,068
2024 <sup>P</sup>	1	6,286	57	414	6,643	712	82	209	5,942	3,740	2,116	2	2,200
	2	7,074	133	-72	6,869	595	61	181	6,251	4,428	3,179	2	1,822
	3	6,747	2	1,405	8,150	224	70	156	7,893	6,034	5,195	6	1,852
	4	7,624	19	-966	6,639	365	55	89	7,169	5,601	4,883	12	1,557
	5	6,867	5	134	6,997	290	8	101	7,467	6,112	5,454	2	1,353
	6	5,643	-	1,048	6,691	227	8	104	7,156	5,952	5,373	1	1,203
	7	6,595	-	-279	6,317	345	1	85	6,446	5,151	4,395	1	1,294
	8	6,315	-	-383	5,932	384	90	90	6,010	4,935	4,186	1	1,074
	9	5,305	6	524	5,822	452	478	84	5,576	4,443	3,564	14	1,119
	10	6,099	12	-244	5,844	508	143	107	5,975	4,489	3,414	1	1,484
	11	6,374	5	76	6,445	603	60	150	6,209	4,564	3,274	1	1,644
	12	6,918	87	-442	6,389	623	58	180	6,176	4,094	2,699	2	2,081
2025 <sup>P</sup>	1	5,684	66	228	5,846	859	65	204	6,559	4,432	3,449	2	2,125
2024 <sup>P</sup>	1-1	6,286	57	414	6,643	712	82	209	5,942	3,740	2,116	2	2,200
2025 <sup>P</sup>	1-1	5,684	66	228	5,846	859	65	204	6,559	4,432	3,449	2	2,125

## 5.4.2 부탄 수급

## Butane Overview

	공급 Supply					소비 Consumption							
	수입  Imports	수출  Exports	재고변화  Stock changes	일차에너지 공급 TPES	석유정제 산출 Oil refining output	발전 및 열생산 투입 Power and heat production input	전환자체소비 Transformation Own Use	최종소비					
								산업 Industry	석유화학원료 Petrochem feedstock	수송 Transport	건물 Building		
1,000 bbl													
1990	4,998	505	-301	4,192	8,812	-	975	12,103	929	-	11,121	53	
1995	9,742	1,145	-125	8,472	11,510	-	68	19,903	3,690	2,010	16,144	68	
2000	15,554	2,844	-344	12,366	25,044	-	55	37,340	5,117	2,920	31,770	453	
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	50,910	6,093	4,641	43,119	1,697	
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	13,798	3	10	52,615	6,441	5,030	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	19,105	5	72	38,456	8,630	6,407	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 <sup>P</sup>	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	16,821	4	79	42,300	15,085	13,873	26,365	850	
2023 <sup>P</sup>	1	1,118	-	220	1,338	1,175	0	0	2,619	401	313	2,109	109
	2	963	19	198	1,142	1,271	1	31	2,521	194	99	2,227	99
	3	1,594	29	-946	618	1,837	0	36	2,492	295	202	2,118	79
	4	1,488	29	108	1,567	1,674	1	27	2,913	768	689	2,083	62
	5	1,389	32	-506	851	2,099	0	3	2,814	559	476	2,194	61
	6	1,580	51	147	1,676	1,562	0	1	3,070	880	798	2,129	61
	7	2,023	44	317	2,296	1,528	0	5	3,713	1,351	1,281	2,297	65
	8	2,663	-	64	2,728	1,313	1	8	4,121	1,468	1,398	2,594	59
	9	2,356	21	38	2,373	1,302	0	8	3,465	1,150	1,072	2,257	57
	10	2,088	21	91	2,158	1,380	0	9	3,182	969	888	2,160	53
	11	1,968	-	-309	1,659	1,329	0	12	3,057	953	870	2,040	64
	12	1,555	11	-32	1,512	1,465	0	11	3,036	838	760	2,116	83
2024 <sup>P</sup>	1	1,519	15	358	1,862	1,270	0	1	3,220	1,048	933	2,066	106
	2	1,284	0	4	1,287	1,400	1	1	2,776	727	622	1,962	87
	3	2,057	-	-58	2,000	1,256	0	6	3,398	1,182	1,072	2,137	79
	4	2,498	-	-147	2,352	1,496	1	10	3,540	1,380	1,282	2,097	63
	5	3,250	-	-771	2,480	1,604	0	5	3,861	1,629	1,521	2,171	60
	6	1,893	-	1,035	2,928	1,356	0	3	4,148	1,783	1,688	2,300	66
	7	3,493	21	-547	2,925	1,461	0	3	4,221	1,812	1,720	2,343	66
	8	2,283	83	358	2,558	1,540	0	8	3,943	1,562	1,478	2,328	53
	9	2,230	41	182	2,371	1,450	0	8	3,562	1,201	1,102	2,303	59
	10	1,999	41	392	2,350	1,361	0	10	3,349	1,008	896	2,284	56
	11	2,099	42	-420	1,638	1,320	0	13	3,079	806	697	2,204	69
	12	1,450	41	412	1,821	1,308	0	12	3,202	946	860	2,171	85
2025 <sup>P</sup>	1	2,163	-	-276	1,887	1,269	0	1	3,428	1,198	1,098	2,121	109
2024 <sup>P</sup> 1-1	1,519	15	358	1,862	1,270	0	1	3,220	1,048	933	2,066	106	
2025 <sup>P</sup> 1-1	2,163	-	-276	1,887	1,269	0	1	3,428	1,198	1,098	2,121	109	

## 5.4.3 휘발유 수급

## Gasoline Overview

	공급 Supply					소비 Consumption						
	수입  Imports	수출  Exports	재고변화  Stock changes	일차에너지 공급 <sup>1</sup>  TPES <sup>1</sup>	석유정제 산출  Oil refining output	발전 및 열생산 투입  P&H production input	전환자체소비  Transformation Own Use	최종소비  TFC	최종소비			
									산업  Industry	수송  Transport	건물  Building	
1,000 bbl												
1990	-	30	-237	-284	23,985	1	9	23,672	522	22,233	917	
1995	-	442	-299	-740	60,445	0	7	59,382	1,416	57,043	923	
2000	740	14,869	-558	-14,687	76,336	-	3	62,382	2,184	59,744	454	
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	60,391	2,089	57,732	570	
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	151,393	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 <sup>P</sup>	804	101,997	-762	-101,956	188,916	0	2	90,361	1,110	88,959	292	
2024 <sup>P</sup>	383	114,768	395	-113,990	205,453	0	2	95,042	1,155	93,594	294	
2023 <sup>P</sup>	1	-	8,841	54	-8,788	15,540	0	0	6,679	84	6,573	22
	2	-	8,698	-152	-8,850	14,840	0	0	6,255	73	6,161	20
	3	-	7,662	755	-6,907	14,510	0	0	7,788	85	7,678	26
	4	157	5,344	-2,073	-7,259	13,606	0	0	6,495	101	6,372	23
	5	-	9,065	1,306	-7,759	15,627	0	0	8,204	89	8,090	25
	6	-	7,488	683	-6,805	14,032	0	0	7,561	107	7,429	25
	7	-	7,153	334	-6,819	15,391	0	0	8,384	81	8,277	26
	8	646	7,817	-975	-8,146	15,768	0	0	7,860	104	7,729	26
	9	-	9,284	-125	-9,409	16,472	0	0	7,631	109	7,497	25
	10	-	10,725	127	-10,598	17,993	0	0	7,989	95	7,868	25
	11	-	9,410	22	-9,388	17,345	0	0	7,654	95	7,533	25
	12	-	10,512	-718	-11,230	17,793	0	0	7,861	86	7,752	24
2024 <sup>P</sup>	1	-	10,793	756	-10,038	17,858	0	0	8,008	92	7,894	22
	2	-	9,775	-408	-10,183	16,274	0	0	6,640	76	6,542	22
	3	-	9,755	-136	-9,891	17,007	0	0	7,992	87	7,883	23
	4	-	10,197	843	-9,354	17,095	0	0	7,157	107	7,028	22
	5	86	9,881	-507	-10,302	18,051	0	0	7,975	89	7,862	24
	6	297	8,475	310	-7,869	16,426	0	0	8,700	95	8,579	27
	7	-	9,892	-219	-10,111	17,047	0	0	7,008	92	6,891	25
	8	-	8,777	-580	-9,357	17,888	0	0	8,946	85	8,834	28
	9	-	9,201	271	-8,930	17,016	0	0	8,392	108	8,258	25
	10	-	9,565	606	-8,959	17,425	0	0	8,664	129	8,509	26
	11	-	8,265	-918	-9,183	15,612	0	0	7,377	97	7,255	26
	12	-	10,291	479	-9,813	17,755	0	0	8,182	98	8,060	24
2025 <sup>P</sup>	1	-	9,433	-1,583	-11,017	17,458	0	0	6,982	73	6,888	21
2024 <sup>P</sup>	1-1	-	10,793	756	-10,038	17,858	0	0	8,008	92	7,894	22
2025 <sup>P</sup>	1-1	-	9,433	-1,583	-11,017	17,458	0	0	6,982	73	6,888	21

1. 국내생산(+), 국제병커링(-), 수입(+), 수출(-), 재고변화(±)로 구성

1. Consist of production (+), international bunkering (-), imports (+), exports (-), and stock changes (±).

## 5.4.4 항공유 수급

## Aviation fuel Overview

	공급 Supply						소비 Consumption						
	수입	수출	국제항공 병커링	재고변화	일차에너지 공급 <sup>1</sup>	석유정제 산출	발전 및 열생산 투입	전환자체소비	최종소비				
	Imports	Exports	Intl. Aviation Bunkers	Stock changes	TPES <sup>1</sup>	Oil refining output	P&H production input	Transformati on Own Use	TFC	산업	수송	건물	
	1,000 bbl												
1990	6	-	10,103	-344	-10,442	16,405	-	0	6,725	-	16	6,709	
1995	115	13,435	18,476	-16	-31,812	34,981	-	0	2,961	4	33	2,924	
2000	1,696	37,675	19,875	-902	-56,756	59,568	-	4	2,628	2	62	2,563	
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	27,171	1,682	-80,021	84,904	-	0	4,797	14	93	4,689	
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 <sup>P</sup>	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	49,569	633	-141,793	145,120	-	0	6,727	11	3,472	3,244	
2023 <sup>P</sup>	1	0	4,894	2,631	-944	-8,468	9,504	-	-	1,256	1	1,023	232
	2	0	7,790	2,423	-19	-10,232	10,829	-	-	957	0	707	250
	3	0	11,117	2,629	1,587	-12,158	12,598	-	-	1,137	1	872	265
	4	0	7,675	2,807	-892	-11,373	12,295	-	-	1,261	0	827	434
	5	0	7,995	3,077	-1,102	-12,174	12,999	-	-	1,030	1	772	258
	6	0	6,617	3,538	694	-9,461	10,262	-	0	573	0	361	212
	7	0	8,570	3,872	1,070	-11,372	11,547	-	0	655	1	447	207
	8	301	7,681	3,880	-402	-11,662	11,697	-	0	584	1	363	220
	9	0	8,141	3,784	-542	-12,467	11,649	-	0	498	1	289	207
	10	0	7,580	3,896	438	-11,038	11,981	-	0	613	1	211	401
	11	0	7,285	3,898	-699	-11,882	12,139	-	0	457	1	248	208
	12	0	7,461	3,831	-121	-11,413	11,753	-	0	498	1	319	177
2024 <sup>P</sup>	1	0	7,090	4,014	552	-10,552	11,618	-	-	622	1	361	260
	2	0	6,467	3,734	-187	-10,388	11,203	-	-	579	1	361	218
	3	0	8,268	4,023	-242	-12,533	12,526	-	-	355	1	83	272
	4	0	8,143	3,890	-339	-12,371	12,582	-	-	675	1	402	272
	5	0	9,045	4,093	357	-12,780	12,805	-	-	448	1	172	275
	6	0	7,373	4,038	-319	-11,730	11,806	-	-	674	1	375	298
	7	12	8,597	4,339	-123	-13,047	12,644	-	-	586	1	301	283
	8	0	9,090	4,413	-539	-14,042	13,415	-	-	588	1	307	280
	9	0	8,652	4,185	794	-12,043	12,059	-	-	507	1	272	234
	10	0	6,833	4,248	-707	-11,787	12,203	-	-	743	1	480	262
	11	0	6,748	4,125	414	-10,459	11,291	-	-	568	0	268	299
	12	0	6,566	4,466	972	-10,060	10,967	-	-	383	2	89	292
2025 <sup>P</sup>	1	0	4,918	4,241	-728	-9,887	10,778	-	-	619	1	332	285
2024 <sup>P</sup>	1-1	0	7,090	4,014	552	-10,552	11,618	-	-	622	1	361	260
2025 <sup>P</sup>	1-1	0	4,918	4,241	-728	-9,887	10,778	-	-	619	1	332	285

1. 국내생산(+), 국제병커링(-), 수입(+), 수출(-), 재고변화(±)로 구성

주: 항공휘발유, 휘발유형항공유, 등유형항공유의 합계

1. Consist of production (+), international bunkering (-), imports (+), exports (-), and stock changes (±).

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

## 5.4.5 등유 수급

## Kerosene Overview

	공급						소비					
	Supply						Consumption					
	수입	수출	재고변화	일차에너지 공급 <sup>1</sup>	석유정제 산출	발전 및 열생산 투입	전환자체소비	최종소비				
	Imports	Exports	Stock changes	TPES <sup>1</sup>	Oil refining output	P&H production input	Transformation Own Use	TFC	산업	수송	건물	
1,000 bbl												
1990	17,465	97	-4,916	12,452	13,600	3	54	23,684	4,724	156	18,804	
1995	23,361	564	-340	22,457	40,852	2	6	62,522	7,141	228	55,152	
2000	6,870	19,874	-2,832	-15,836	87,824	955	158	68,918	8,237	57	60,624	
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	748	36	36,529	6,062	83	30,384	
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	151	7,582	377	-7,054	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	44,372	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 <sup>P</sup>	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	2,026	1	12,245	1,617	5	10,623	
2023 <sup>P</sup>	1	-	653	-408	-1,061	5,896	132	0	2,645	353	1	2,292
	2	-	421	-339	-759	4,382	134	0	1,619	224	1	1,394
	3	6	74	379	311	3,029	134	0	1,049	137	0	912
	4	-	-	121	121	2,985	118	0	642	81	0	561
	5	-	444	-177	-622	3,444	145	0	515	65	0	450
	6	-	400	151	-249	2,308	145	0	327	49	0	277
	7	-	67	-23	-90	3,175	197	0	414	62	0	352
	8	-	71	-30	-101	3,491	132	0	390	59	0	330
	9	-	208	-68	-276	3,209	127	0	618	82	0	536
	10	-	430	-67	-498	4,438	157	0	1,104	144	0	960
	11	6	496	-20	-511	4,680	124	0	1,525	185	1	1,339
	12	9	728	-219	-938	5,280	134	0	2,275	294	1	1,979
2024 <sup>P</sup>	1	3	1,349	433	-914	5,088	154	0	2,559	337	1	2,221
	2	10	1,170	-190	-1,350	4,253	132	0	1,472	201	0	1,270
	3	5	108	283	179	3,894	152	0	1,272	161	0	1,110
	4	-	107	-17	-125	3,273	130	0	565	73	0	492
	5	-	411	99	-312	3,042	138	0	372	50	0	322
	6	-	613	168	-445	2,831	163	0	303	46	0	257
	7	-	183	-309	-492	3,219	210	-	186	32	0	154
	8	-	246	-356	-602	3,669	166	0	385	58	0	326
	9	-	708	62	-647	3,268	174	0	499	65	0	434
	10	-	306	48	-257	3,613	197	0	1,305	169	0	1,135
	11	-	1,323	-164	-1,488	4,424	209	-	1,139	142	0	997
	12	-	1,266	163	-1,103	4,889	201	0	2,189	282	1	1,906
2025 <sup>P</sup>	1	-	1,769	-172	-1,941	5,678	177	0	2,108	284	1	1,824
2024 <sup>P</sup>	1-1	3	1,349	433	-914	5,088	154	0	2,559	337	1	2,221
2025 <sup>P</sup>	1-1	-	1,769	-172	-1,941	5,678	177	0	2,108	284	1	1,824

1. 국내생산(+), 국제병커링(-), 수입(+), 수출(-), 재고변화(±)로 구성

1. Consist of production (+), international bunkering (-), imports (+), exports (-), and stock changes (±).

## 5.4.6 경유 수급

## Diesel Overview

	공급 Supply					소비 Consumption						
	수입  Imports	수출  Exports	재고변화  Stock changes	일차에너지 공급 <sup>1</sup>  TPES <sup>1</sup>	석유정제 산출  Oil refining output	발전 및 열생산 투입	전환자체소비  Transformation Own Use	최종소비  TFC	산업			
									수송	건물		
											Industry	Transport
	1,000 bbl											
1990	13,586	10,453	664	1,351	95,010	1,755	315	94,104	21,538	52,237	20,328	
1995	32,190	42,443	-2,547	-20,066	181,389	6,096	125	155,423	29,292	84,840	41,291	
2000	2,818	96,675	-611	-102,669	228,204	496	46	126,367	25,080	88,255	13,032	
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	-89,490	229,813	129	38	139,787	18,234	110,352	11,201	
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	4,783	176,464	-1,970	-177,336	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	351,861	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 <sup>P</sup>	-	196,509	-1,708	-212,378	351,798	728	9	150,423	16,255	127,216	6,952	
2024 <sup>P</sup>	-	204,718	1,800	-217,444	354,708	400	46	145,234	15,523	123,193	6,518	
2023 <sup>P</sup>	1	-	16,335	-1,597	-19,314	30,563	119	1	12,044	1,203	10,179	661
	2	-	15,754	-669	-17,553	27,497	55	1	10,913	1,151	9,126	636
	3	-	16,067	1,119	-16,293	29,906	87	1	14,351	1,488	12,189	674
	4	-	14,872	-2,438	-18,560	28,189	80	1	10,929	1,197	9,212	520
	5	-	19,252	1,553	-18,831	31,260	86	1	13,474	1,357	11,527	590
	6	-	13,702	1,393	-13,498	26,137	66	1	12,863	1,544	10,808	511
	7	-	15,440	-4	-16,677	29,718	57	1	14,037	1,615	11,862	561
	8	-	15,434	-1,455	-17,924	28,720	47	1	11,586	1,490	9,626	470
	9	-	16,174	-354	-17,607	28,564	39	1	12,029	1,297	10,183	549
	10	-	17,886	-720	-19,730	30,658	44	0	11,647	1,133	10,000	514
	11	-	18,418	1,780	-17,702	29,977	23	1	13,314	1,388	11,333	593
	12	-	17,177	-318	-18,688	30,609	25	1	13,236	1,392	11,171	673
2024 <sup>P</sup>	1	-	16,846	-556	-18,585	31,481	21	1	13,183	1,570	11,032	581
	2	-	17,040	-1,394	-19,410	28,199	30	6	9,950	1,147	8,214	589
	3	-	19,349	3,100	-17,561	28,398	36	1	12,308	930	10,820	557
	4	-	15,619	-1,359	-18,140	29,072	29	6	11,747	1,347	9,838	562
	5	-	17,418	-233	-18,939	31,139	8	6	13,037	1,084	11,428	526
	6	-	14,662	-5	-15,909	28,786	36	6	13,404	1,311	11,527	566
	7	-	18,344	-1,595	-21,147	30,941	44	6	9,260	1,342	7,435	483
	8	-	19,074	820	-19,588	31,361	53	0	12,306	1,038	10,785	483
	9	-	17,895	619	-18,481	29,353	29	1	11,519	1,224	9,831	464
	10	-	14,144	475	-14,924	28,641	32	6	14,224	1,824	11,840	560
	11	-	17,403	311	-18,204	28,742	38	1	11,206	1,365	9,315	525
	12	-	16,925	1,618	-16,555	28,593	43	7	13,090	1,342	11,127	621
2025 <sup>P</sup>	1	-	14,960	-4,021	-20,245	29,048	35	7	9,625	1,142	7,925	558
2024 <sup>P</sup>	1-1	-	16,846	-556	-18,585	31,481	21	1	13,183	1,570	11,032	581
2025 <sup>P</sup>	1-1	-	14,960	-4,021	-20,245	29,048	35	7	9,625	1,142	7,925	558

1. 국내생산(+), 국제병커링(-), 수입(+), 수출(-), 재고변화(±)로 구성

1. Consist of production (+), international bunkering (-), imports (+), exports (-), and stock changes (±).

## 5.4.7 중유 수급

## Heavy oil Overview

	공급 Supply						소비 Consumption						
	수입	수출	국제해운 병커링	재고변화	일차에너지 공급 <sup>1</sup>	석유정제 산출	발전 및 열생산 투입	전환자체소비	최종소비				
	Imports	Exports	Intl. Marine Bunkers	Stock changes	TPES <sup>1</sup>	Oil refining output	P&H production input	Transformati on Own Use	TFC	산업	수송	건물	
	1,000 bbl												
1990	27,658	12,091	16,226	972	307	102,705	27,961	2,114	68,700	58,414	1,507	8,778	
1995	24,824	40,238	40,069	897	-54,587	208,597	58,162	744	95,006	75,615	6,557	12,834	
2000	25,107	72,157	58,189	-1,202	-106,441	230,510	39,792	15,839	68,295	59,187	3,656	5,452	
2002	23,700	35,025	53,840	667	-64,499	189,808	38,036	15,639	64,362	54,587	4,563	5,213	
2003	13,829	45,835	58,104	1,356	-88,754	204,384	36,398	14,950	60,260	50,240	4,670	5,350	
2004	8,285	45,539	60,516	-1,528	-99,298	202,451	33,135	14,868	54,912	46,139	4,379	4,395	
2005	4,021	56,065	61,510	2,423	-111,131	211,249	28,902	16,187	51,519	42,909	4,521	4,090	
2006	8,749	58,266	62,138	-1,343	-112,998	207,786	29,418	15,766	47,737	39,137	4,109	4,491	
2007	5,910	42,699	57,192	1,398	-92,584	185,083	30,397	15,606	44,432	35,188	3,950	5,294	
2008	7,192	35,352	54,748	-119	-83,026	151,959	17,285	14,611	37,503	29,242	4,239	4,021	
2009	19,858	25,814	49,853	429	-55,380	126,246	23,172	13,665	33,045	25,683	4,220	3,141	
2010	17,478	25,884	52,578	-921	-61,905	125,491	21,273	10,424	30,579	23,851	3,857	2,871	
2011	15,392	34,486	52,451	-1,209	-72,754	124,722	14,999	10,245	25,820	19,454	3,868	2,498	
2012	27,146	28,428	51,227	640	-51,870	102,477	22,081	7,292	19,235	13,751	3,588	1,895	
2013	44,281	22,434	49,624	205	-27,572	81,718	22,796	8,439	13,328	9,739	1,893	1,696	
2014	52,006	13,810	50,120	-763	-12,687	55,781	11,218	7,828	11,541	8,983	1,362	1,196	
2015	46,737	10,965	53,682	-520	-18,430	58,921	12,637	8,563	12,817	9,230	2,153	1,434	
2016	47,228	13,512	61,604	1,759	-26,129	72,756	18,981	10,408	12,667	9,670	1,815	1,182	
2017	40,091	16,657	58,646	-1,042	-36,255	70,065	7,530	8,927	11,059	8,304	1,484	1,271	
2018	42,915	26,345	55,524	-281	-39,236	70,667	7,859	5,255	9,987	7,714	1,224	1,048	
2019	31,585	17,490	45,291	2,032	-29,164	59,492	4,145	2,124	8,402	6,108	1,513	780	
2020	29,626	13,262	55,525	1,178	-37,982	77,276	3,089	1,779	6,833	5,216	1,150	467	
2021	37,239	8,829	57,322	-1,047	-29,959	77,512	2,903	719	6,405	4,547	1,557	300	
2022	20,800	12,776	62,081	693	-53,364	93,575	2,019	607	6,697	4,741	1,692	265	
2023 <sup>P</sup>	31,512	6,165	57,977	864	-31,766	78,914	1,309	520	6,885	4,777	1,752	356	
2024 <sup>P</sup>	41,843	4,662	61,192	-925	-24,935	83,003	651	684	5,280	3,756	1,255	269	
2023 <sup>P</sup>	1	2,009	898	5,114	526	-3,477	6,702	280	59	616	455	118	43
	2	1,808	543	4,350	-160	-3,244	6,416	238	30	608	428	147	33
	3	1,573	583	5,150	-467	-4,627	7,918	167	51	649	472	154	23
	4	1,686	395	4,909	-782	-4,399	7,262	144	43	616	431	144	40
	5	2,848	543	4,799	-207	-2,701	5,838	44	36	501	363	124	14
	6	2,291	573	4,263	1,111	-1,434	5,457	42	31	603	415	156	32
	7	3,794	414	5,029	-996	-2,645	6,876	40	45	545	358	160	28
	8	3,232	328	4,213	501	-808	6,032	13	40	637	425	169	43
	9	4,072	326	4,736	-591	-1,581	6,409	12	44	491	319	147	24
	10	3,448	317	4,922	59	-1,730	6,681	42	37	535	386	128	21
	11	3,355	352	4,963	-147	-2,106	6,250	101	30	499	328	148	23
	12	1,394	893	5,531	2,016	-3,014	7,073	185	73	585	397	155	32
2024 <sup>P</sup>	1	4,558	211	5,348	-1,421	-2,423	7,467	188	52	679	472	179	27
	2	2,990	197	5,001	911	-1,297	6,701	129	49	577	418	136	22
	3	3,381	327	4,884	-1,364	-3,194	6,816	100	64	557	416	121	20
	4	1,365	312	4,825	723	-3,049	7,033	46	59	503	323	154	26
	5	4,175	221	4,955	-555	-1,556	6,175	36	48	361	262	82	17
	6	2,895	198	4,604	-6	-1,914	5,655	21	49	336	251	67	18
	7	4,075	435	4,946	-72	-1,379	7,266	35	58	432	313	95	24
	8	4,369	542	5,651	-208	-2,033	7,178	8	22	306	225	72	10
	9	3,258	419	5,067	1,461	-767	6,836	11	72	335	229	88	18
	10	3,574	685	4,988	-237	-2,336	6,460	14	77	431	311	97	23
	11	2,766	700	5,450	630	-2,754	7,530	19	53	355	256	78	21
	12	4,438	414	5,472	-786	-2,234	7,885	44	81	408	279	87	41
2025 <sup>P</sup>	1	4,737	429	5,401	-752	-1,845	8,479	109	73	474	348	92	34
2024 <sup>P</sup>	1-1	4,558	211	5,348	-1,421	-2,423	7,467	188	52	679	472	179	27
2025 <sup>P</sup>	1-1	4,737	429	5,401	-752	-1,845	8,479	109	73	474	348	92	34

1. 국내생산(+), 국제병커링(-), 수입(+), 수출(-), 재고변화(±)로 구성

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

1. Consist of production (+), international bunkering (-), imports (+), exports (-), and stock changes (±).

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

## 5.4.8 납사 수급

## Naphtha Overview

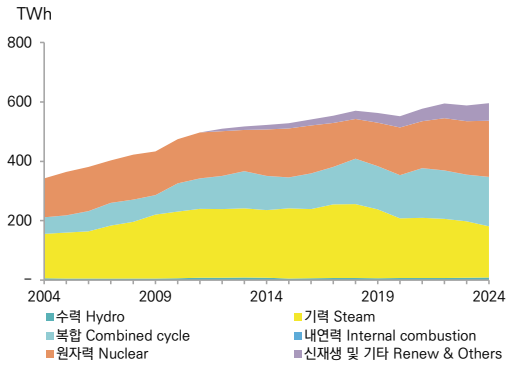
		공급 Supply					소비 Consumption					
		수입  Imports	수출  Exports	재고변화  Stock changes	일차에너지 공급  TPES	석유정제 산출  Oil refining output	발전 및 열생산 투입  Power and heat production input	전환자체소비  Transformation Own Use	최종소비			
									TFC	산업 Industry	수송 Transport	건물 Building
1,000 bbl												
1990		15,409	3,325	97	12,181	31,151	-	3	43,065	43,065	-	-
1995		71,837	21,337	934	51,434	76,620	-	0	119,775	119,775	-	-
2000		111,283	48,849	-737	61,696	142,054	-	267	202,634	202,615	-	20
2002		121,912	44,943	1,537	78,506	133,103	-	795	210,762	210,762	-	-
2003		131,981	30,970	1,745	102,756	116,501	-	361	218,881	218,881	-	-
2004		131,368	31,157	-5,097	95,114	131,886	-	243	226,789	226,789	-	-
2005		123,292	25,793	1,006	98,505	138,131	-	199	234,409	234,409	-	-
2006		126,964	27,991	899	99,872	142,343	-	182	243,267	243,267	-	-
2007		143,766	29,423	1,021	115,364	149,630	-	22	266,283	266,283	-	-
2008		153,381	22,915	-153	130,313	124,344	-	38	254,818	254,818	-	-
2009		180,840	26,569	1,456	155,727	116,317	-	92	272,112	272,112	-	-
2010		188,600	32,111	-506	155,982	133,950	-	0	289,885	289,885	-	-
2011		188,507	35,386	252	153,373	149,304	-	-	303,306	303,306	-	-
2012		207,444	33,287	-2,987	171,171	157,199	-	0	328,403	328,401	-	2
2013		208,297	39,552	-1,332	167,413	160,125	-	0	327,806	327,806	-	-
2014		205,726	35,363	-88	170,276	166,557	-	19	335,886	335,886	-	-
2015		197,617	47,839	690	150,468	196,028	-	0	346,570	346,570	-	-
2016		202,224	49,763	-186	152,275	213,617	-	0	362,868	362,868	-	-
2017		199,632	44,194	2,104	157,542	249,148	-	0	384,242	384,242	-	-
2018		218,814	43,564	-4,891	170,359	248,724	-	-	372,559	372,559	-	-
2019		226,088	47,382	3,501	182,206	254,353	-	-	365,443	365,443	-	-
2020		215,927	36,680	-5,359	173,888	224,925	-	-	333,938	333,938	-	-
2021		253,313	31,203	2,375	224,486	214,883	-	-	369,918	369,918	-	-
2022		236,608	33,944	1,068	203,732	224,504	-	-	355,984	355,984	-	-
2023 <sup>P</sup>		239,951	39,861	-1,631	198,458	222,856	-	-	337,784	337,784	-	-
2024 <sup>P</sup>		246,693	40,478	2,951	209,166	230,976	-	-	359,088	359,088	-	-
2023 <sup>P</sup>	1	21,678	2,482	414	19,610	18,793	-	-	30,729	30,729	-	-
	2	24,023	2,649	-4,292	17,082	17,083	-	-	27,744	27,744	-	-
	3	20,174	2,795	2,320	19,699	19,181	-	-	31,887	31,887	-	-
	4	15,702	4,274	840	12,268	19,797	-	-	26,535	26,535	-	-
	5	17,289	3,554	-3,001	10,733	22,581	-	-	26,867	26,867	-	-
	6	18,335	3,317	-1,542	13,476	16,779	-	-	25,322	25,322	-	-
	7	16,397	2,962	3,139	16,574	18,397	-	-	28,414	28,414	-	-
	8	19,899	3,570	53	16,382	15,745	-	-	27,606	27,606	-	-
	9	20,751	3,533	845	18,064	17,325	-	-	27,240	27,240	-	-
	10	21,522	3,284	-359	17,879	18,780	-	-	27,720	27,720	-	-
	11	23,481	4,186	-1,081	18,214	18,205	-	-	27,657	27,657	-	-
	12	20,699	3,256	1,034	18,477	20,192	-	-	30,063	30,063	-	-
2024 <sup>P</sup>	1	23,357	3,327	1,054	21,084	20,128	-	-	32,474	32,474	-	-
	2	18,962	2,732	1,109	17,339	20,090	-	-	29,775	29,775	-	-
	3	22,022	4,372	-1,265	16,385	20,035	-	-	29,484	29,484	-	-
	4	19,346	3,467	321	16,200	20,603	-	-	29,307	29,307	-	-
	5	20,141	4,114	-1,225	14,802	18,523	-	-	28,257	28,257	-	-
	6	21,016	3,001	-1,052	16,964	17,814	-	-	28,458	28,458	-	-
	7	18,991	3,292	958	16,656	19,947	-	-	29,189	29,189	-	-
	8	20,433	3,702	297	17,028	21,052	-	-	31,221	31,221	-	-
	9	21,027	4,005	181	17,203	19,569	-	-	30,449	30,449	-	-
	10	19,979	3,401	2,427	19,005	19,636	-	-	31,283	31,283	-	-
	11	19,310	2,719	1,667	18,258	17,502	-	-	30,273	30,273	-	-
	12	22,110	2,347	-1,522	18,241	16,076	-	-	28,919	28,919	-	-
2025 <sup>P</sup>	1	23,583	2,104	-2,412	19,067	19,176	-	-	31,301	31,301	-	-
2024 <sup>P</sup>	1-1	23,357	3,327	1,054	21,084	20,128	-	-	32,474	32,474	-	-
2025 <sup>P</sup>	1-1	23,583	2,104	-2,412	19,067	19,176	-	-	31,301	31,301	-	-



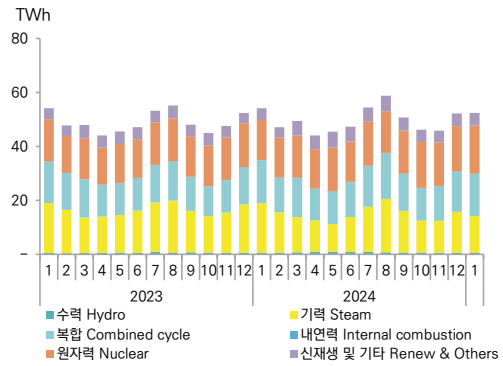


## ● 발전원별 발전량 Power Generation by Plant Type

〈2004~2024〉

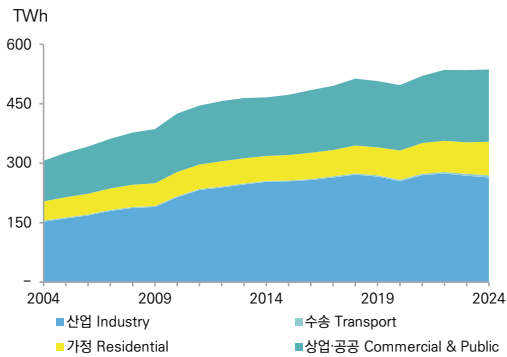


〈2023.1~2025.1〉

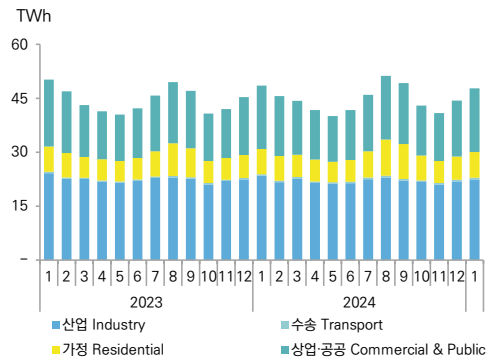


## ● 부문별 전기 소비 Electricity Consumption by Sector

〈2004~2024〉

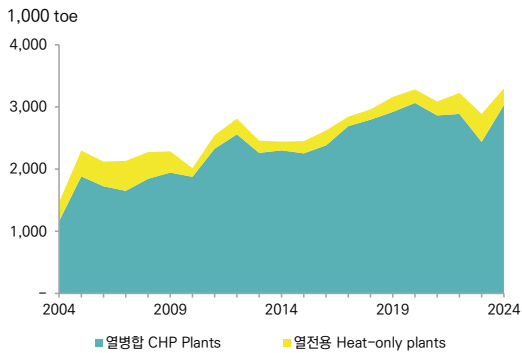


〈2023.1~2025.1〉



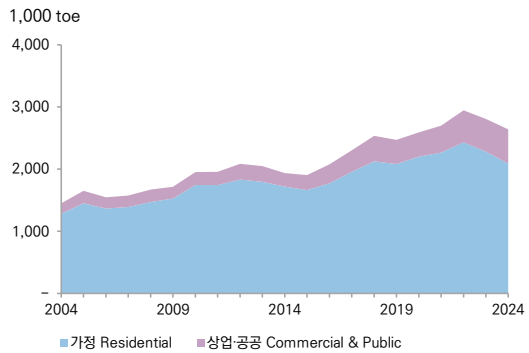
## ● 열 생산 Heat Production

〈2004~2024〉



## ● 열 소비 Heat Consumption

〈2023.1~2025.1〉



## 6.1 발전 현황

## Electricity Overview

		총발전량 Total generation	설비용량 <sup>1</sup> Installed capacity <sup>1</sup>	공급능력 <sup>1</sup> Available capacity <sup>1</sup>	최대전력 <sup>1</sup> Peak load <sup>1</sup>	평균전력 Average load	공급예비율 Reserve margin	평균부하율 Load factor
		GWh	MW				%	
1990		107,670	21,021	18,680	17,252	12,291	8.3	71.2
1995		184,661	31,793	31,968	29,878	21,080	7.0	70.6
2000		266,400	47,876	46,078	41,007	30,328	12.4	74.0
2002		306,474	52,799	52,113	45,773	34,986	13.9	76.4
2003		322,452	56,081	55,488	47,385	36,810	17.1	77.7
2004		342,148	59,129	57,528	51,264	39,058	12.2	76.2
2005		364,639	61,737	60,818	54,631	41,625	11.3	76.2
2006		381,181	64,778	65,183	58,994	43,514	10.5	73.8
2007		403,125	67,196	66,778	62,285	46,019	7.2	73.9
2008		422,355	70,353	68,519	62,794	48,082	9.1	76.6
2009		433,604	73,470	72,071	66,797	49,498	7.9	74.1
2010		474,660	76,078	75,747	71,308	54,185	6.2	76.0
2011		496,893	76,649	77,179	73,137	56,723	5.5	77.6
2012		509,574	81,806	79,972	75,987	58,012	5.2	76.3
2013		517,147	82,296	80,713	76,522	59,035	5.5	77.1
2014		521,971	93,216	89,357	80,154	59,586	11.5	74.3
2015		528,090	94,102	87,926	78,790	60,284	11.6	76.5
2016		540,441	100,180	92,395	85,183	61,694	8.5	72.4
2017		553,530	116,657	96,095	85,133	63,188	12.9	74.2
2018		570,647	117,205	99,570	92,478	65,142	7.7	70.4
2019		563,040	122,973	96,389	90,314	64,274	6.7	71.2
2020		552,162	127,819	97,951	89,091	62,860	9.9	70.6
2021		576,809	131,330	100,739	91,141	65,846	10.5	72.2
2022		594,400	137,938	105,628	94,509	67,854	11.8	71.8
2023 <sup>P</sup>		588,047	142,567	104,297	93,615	67,129	11.4	71.7
2024 <sup>P</sup>		595,586	149,179	105,360	97,115	67,804	8.5	69.8
2023 <sup>P</sup>	1	54,173	138,399	103,138	92,613	72,814	11.4	78.6
	2	47,738	138,647	101,103	84,290	71,039	19.9	84.3
	3	47,934	138,860	97,952	76,510	64,428	28.0	84.2
	4	44,076	139,079	84,179	72,292	61,216	16.4	84.7
	5	45,541	140,240	82,332	72,772	61,211	13.1	84.1
	6	47,110	140,955	93,562	82,196	65,431	13.8	79.6
	7	53,247	142,201	102,234	87,033	71,568	17.5	82.2
	8	55,203	142,567	104,297	93,615	74,198	11.4	79.3
	9	48,080	143,401	99,391	85,682	66,778	16.0	77.9
	10	44,967	143,712	85,738	70,985	60,440	20.8	85.1
	11	47,566	144,063	96,366	82,716	66,064	16.5	79.9
	12	52,411	144,381	105,213	91,556	70,445	14.9	76.9
2024 <sup>P</sup>	1	54,148	144,640	104,997	89,231	72,780	17.7	81.6
	2	47,151	144,983	101,921	84,093	67,746	21.2	80.6
	3	49,383	145,013	95,500	81,691	66,375	16.9	81.3
	4	44,058	145,191	83,155	71,199	61,192	16.8	85.9
	5	45,410	147,999	82,585	69,899	61,035	18.1	87.3
	6	47,334	148,089	89,170	80,077	65,742	11.4	82.1
	7	54,415	148,932	99,162	90,254	73,138	9.9	81.0
	8	58,759	149,179	105,360	97,115	78,977	8.5	81.3
	9	50,738	149,625	101,806	93,246	70,470	9.2	75.6
	10	46,176	150,118	85,391	72,272	62,064	18.2	85.9
	11	45,808	151,707	97,490	79,064	63,623	23.3	80.5
	12	52,206	153,047	106,287	83,314	70,170	27.6	84.2
2025 <sup>P</sup>	1	52,381	152,827	111,539	90,705	70,404	23.0	77.6
2024 <sup>P</sup>	1-1	54,148	144,640	104,997	89,231	66,821	17.7	74.9
2025 <sup>P</sup>	1-1	52,381	152,827	111,539	90,705	67,582	23.0	74.5

1. 최대전력 발생시점 기준

자료: 한국전력공사-전력통계월보

1. Based on peak demand

Source: Monthly Report on Major Electric Power Statistics, KEPCO

## 6.2 발전원별 발전설비용량

## Generation Capacity by Plant Type

		합계 Total	수력 <sup>1</sup> Hydro <sup>1</sup>	기력 Steam	복합 Combined cycle	내연력 Internal combustion	원자력 Nuclear	신재생 <sup>2</sup> New & Renewable <sup>2</sup>	기타 <sup>3</sup> Others <sup>3</sup>
		MW							
1990		21,021	2,340	9,912	840	313	7,616	-	-
1995		32,184	3,093	14,032	6,184	259	8,616	-	-
2000		48,451	3,149	20,059	11,257	271	13,716	-	-
2002		53,801	3,876	21,749	12,186	275	15,716	-	-
2003		56,053	3,877	23,045	13,086	246	15,716	83	-
2004		59,961	3,879	24,693	14,313	252	16,716	108	-
2005		62,258	3,883	25,193	15,015	297	17,716	156	-
2006		65,514	5,485	25,773	16,004	297	17,716	240	-
2007		68,268	5,492	27,873	16,511	303	17,716	374	-
2008		72,491	5,505	31,191	17,044	307	17,716	728	-
2009		73,470	5,515	31,150	17,575	347	17,716	1,168	-
2010		76,078	5,525	31,150	19,100	351	17,716	2,237	-
2011		79,342	6,418	32,194	19,799	355	18,716	1,859	-
2012		81,806	6,446	31,994	19,799	367	20,716	2,483	-
2013		86,969	6,454	32,477	23,473	330	20,716	3,519	-
2014		93,216	6,468	33,402	27,826	330	20,716	4,474	-
2015		97,649	6,471	34,441	29,043	330	21,716	5,649	-
2016		105,866	6,485	35,756	32,703	329	23,116	7,477	-
2017		116,908	6,489	40,134	38,229	339	22,529	9,187	-
2018		119,092	6,490	40,376	38,413	339	21,850	11,623	-
2019		125,338	6,508	40,059	40,019	341	23,250	14,250	912
2020		129,191	6,506	39,909	40,186	176	23,250	18,739	426
2021		134,020	6,541	40,305	40,217	177	23,250	23,014	515
2022		138,195	6,513	39,895	40,217	137	24,650	26,326	457
2023 <sup>P</sup>		144,421	6,517	40,873	42,207	137	24,650	29,579	459
2024 <sup>P</sup>		153,071	6,515	41,879	45,203	97	26,050	32,878	449
2023 <sup>P</sup>	1	138,817	6,513	39,891	40,217	137	24,650	26,952	457
	2	138,866	6,513	39,891	40,217	137	24,650	27,001	457
	3	139,079	6,513	39,891	40,217	137	24,650	27,214	457
	4	139,147	6,512	39,833	40,217	137	24,650	27,342	457
	5	140,758	6,512	40,873	40,712	137	24,650	27,418	457
	6	140,955	6,512	40,873	40,712	137	24,650	27,618	454
	7	142,567	6,512	40,873	42,088	137	24,650	27,857	452
	8	143,401	6,512	40,932	42,207	137	24,650	28,383	580
	9	143,486	6,512	40,932	42,207	137	24,650	28,591	458
	10	143,770	6,517	40,932	42,207	137	24,650	28,870	457
	11	144,070	6,517	40,873	42,207	137	24,650	29,228	459
	12	144,421	6,517	40,873	42,207	137	24,650	29,579	459
2024 <sup>P</sup>	1	144,747	6,517	40,873	42,207	137	24,650	29,905	459
	2	145,016	6,517	40,873	42,220	137	24,650	30,165	455
	3	145,190	6,517	40,873	42,220	137	24,650	30,347	447
	4	146,769	6,517	40,829	42,220	97	26,050	30,609	447
	5	148,013	6,517	41,879	42,220	97	26,050	30,804	447
	6	148,709	6,517	41,879	42,817	97	26,050	30,903	447
	7	149,177	6,515	41,879	42,817	97	26,050	31,373	447
	8	149,408	6,515	41,879	42,817	97	26,050	31,601	450
	9	149,907	6,515	41,879	43,087	97	26,050	31,830	450
	10	151,350	6,515	41,879	44,099	97	26,050	32,261	450
	11	151,707	6,515	41,879	44,099	97	26,050	32,617	450
	12	153,071	6,515	41,879	45,203	97	26,050	32,878	449
2025 <sup>P</sup>	1	153,384	6,515	41,529	45,473	97	26,050	33,271	449
2024 <sup>P</sup>	1-1	144,747	6,517	40,873	42,207	137	24,650	29,905	459
2025 <sup>P</sup>	1-1	153,384	6,515	41,529	45,473	97	26,050	33,271	449

1. 양수, 일반수력, 소수력

2. 일반수력, 소수력 제외

3. 증류탑폐열, 여열회수, 천연가스압터빈, 부생가스 등

자료: 한국전력공사-전력통계월보

1. Pumped storage, general hydropower, and small hydropower

2. Excludes general hydropower and small hydropower.

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

Source: Monthly Report on Major Electric Power Statistics, KEPCO

## 6.3 발전원별 발전량

## Power Generation by Plant Type

		합계 Total	수력 <sup>1</sup> Hydro <sup>1</sup>	기력 Steam	복합 Combined cycle	내연력 Internal combustion	원자력 Nuclear	신재생 <sup>2</sup> New & Renewable <sup>2</sup>	기타 <sup>3</sup> Others <sup>3</sup>
		GWh							
1990		107,670	6,361	47,419	-	1,048	52,887	-	-
1995		184,661	5,478	90,808	20,521	825	67,029	-	-
2000		266,400	5,610	124,669	26,863	294	108,964	-	-
2002		306,474	5,311	143,370	38,337	353	119,103	-	-
2003		322,452	6,887	145,148	40,375	370	129,672	-	-
2004		342,148	5,861	149,713	55,452	407	130,715	-	-
2005		364,639	5,189	154,639	57,457	575	146,779	-	-
2006		381,181	5,219	159,398	67,138	677	148,749	-	-
2007		403,125	5,042	178,163	76,403	578	142,937	-	-
2008		422,355	5,563	190,812	74,519	503	150,958	-	-
2009		433,604	5,641	215,009	64,486	697	147,771	-	-
2010		474,660	6,472	224,356	94,506	731	148,596	-	-
2011		496,893	7,831	232,040	101,479	821	154,723	-	-
2012		509,574	7,652	231,343	110,882	752	150,327	8,618	-
2013		517,147	8,394	232,988	124,400	741	138,784	11,841	-
2014		521,971	7,820	227,872	114,146	656	156,407	15,072	-
2015		528,090	5,796	236,133	103,437	643	164,762	17,318	-
2016		540,441	6,634	232,178	119,494	573	161,995	19,567	-
2017		553,530	6,995	247,843	125,473	513	148,427	24,280	-
2018		570,647	7,270	248,583	152,690	528	133,505	28,070	-
2019		563,040	6,247	232,128	144,676	579	145,910	31,250	2,249
2020		552,162	7,148	200,895	145,306	405	160,184	31,057	7,168
2021		576,809	6,737	202,657	167,024	491	158,015	39,102	2,783
2022		594,400	7,256	199,031	162,204	570	176,054	47,266	2,019
2023 <sup>P</sup>		588,047	7,500	189,971	156,804	390	180,494	50,456	2,432
2024 <sup>P</sup>		595,586	8,978	171,956	166,271	329	188,754	56,537	2,762
2023 <sup>P</sup>	1	54,173	518	18,500	15,392	40	15,655	3,877	190
	2	47,738	428	16,076	13,688	34	13,606	3,710	196
	3	47,934	526	13,059	14,206	34	15,198	4,642	269
	4	44,076	551	13,481	11,860	33	13,570	4,383	197
	5	45,541	663	13,920	11,831	37	14,458	4,445	187
	6	47,110	596	15,637	12,057	25	14,167	4,451	178
	7	53,247	952	18,289	13,851	32	15,821	4,092	209
	8	55,203	686	19,238	14,469	35	15,875	4,690	210
	9	48,080	780	15,385	12,600	29	14,989	4,070	227
	10	44,967	662	13,517	11,032	31	15,135	4,391	198
	11	47,566	563	14,941	12,047	26	15,718	4,112	159
	12	52,411	574	17,927	13,772	32	16,300	3,593	213
2024 <sup>P</sup>	1	54,148	594	18,410	15,829	29	14,961	4,092	233
	2	47,151	599	14,962	12,945	26	14,717	3,661	243
	3	49,383	750	13,090	14,561	29	15,589	5,197	168
	4	44,058	1,001	11,559	11,803	25	14,617	4,785	267
	5	45,410	985	10,279	12,180	25	16,023	5,618	300
	6	47,334	820	12,962	13,000	26	15,078	5,235	214
	7	54,415	982	16,600	15,243	29	16,484	4,841	236
	8	58,759	766	19,778	16,978	34	15,508	5,476	219
	9	50,738	652	15,464	13,788	28	15,847	4,752	207
	10	46,176	640	11,860	12,068	25	17,073	4,315	193
	11	45,808	574	11,856	12,901	25	16,144	4,077	231
	12	52,206	614	15,136	14,975	28	16,715	4,488	250
2025 <sup>P</sup>	1	52,381	640	13,525	15,672	28	17,893	4,406	218
2024 <sup>P</sup>	1-1	54,148	594	18,410	15,829	29	14,961	4,092	233
2025 <sup>P</sup>	1-1	52,381	640	13,525	15,672	28	17,893	4,406	218

1. 양수, 일반수력, 소수력

2. 일반수력, 소수력 제외

3. 증류탑폐열, 여열회수, 천연가스압터빈, 부생가스 등

자료: 한국전력공사-전력통계월보

1. Pumped storage, general hydropower, and small hydropower

2. Excludes general hydropower and small hydropower.

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

Source: Monthly Report on Major Electric Power Statistics, KEPCO

## 6.4 발전연료 소비

## Fuel Consumption of Power Generation

		석탄			석유			가스 LNG
		Coal			Oil			
		합계	무연탄	유연탄	합계	중유	경유	
		Total	Anthracite	Bituminous	Total	Heavy oil	Diesel	
		1,000 ton			1,000 kℓ			1,000 ton
1990		8,530	2,013	6,517	4,481	4,226	255	1,718
1995		18,631	2,428	16,203	9,687	8,753	933	3,562
2000		36,217	2,848	33,369	5,086	4,895	191	4,491
2002		43,062	2,751	40,311	4,805	4,528	277	5,969
2003		44,457	2,880	41,578	5,055	4,416	638	5,995
2004		47,927	2,412	45,515	4,340	4,200	139	8,221
2005		50,297	2,359	47,937	4,168	4,051	117	8,537
2006		52,604	2,345	50,258	3,789	3,633	156	9,466
2007		58,342	2,392	55,950	4,019	3,899	120	10,829
2008		65,772	2,534	63,238	2,142	2,035	107	10,515
2009		73,783	2,690	71,092	3,056	2,944	112	8,597
2010		78,807	2,404	76,403	2,824	2,711	114	12,914
2011		81,513	1,659	79,854	2,174	2,050	124	13,609
2012		80,601	1,797	78,805	3,413	3,272	141	15,321
2013		80,488	1,729	78,760	3,551	3,402	149	17,005
2014		79,732	2,044	77,688	1,682	1,572	111	12,497
2015		81,558	2,125	79,433	1,962	1,851	111	8,764
2016		80,573	2,528	78,045	2,939	2,784	155	8,284
2017		90,296	1,079	89,217	1,101	928	174	7,743
2018		90,541	992	89,549	1,228	1,013	215	9,051
2019		84,486	1,165	83,321	684	362	323	8,017
2020		70,065	971	69,094	452	283	169	8,993
2021		67,778	900	66,878	498	291	207	11,196
2022		66,087	885	65,202	375	114	261	10,707
2023 <sup>Ⓟ</sup>		60,292	914	59,379	294	15	280	9,340
2024 <sup>Ⓟ</sup>		60,130	926	59,204	281	0	281	9,217
2023 <sup>Ⓟ</sup>	1	6,005	120	5,884	27	3	24	995
	2	5,478	121	5,357	26	2	24	951
	3	4,206	92	4,113	27	2	25	797
	4	4,164	16	4,147	24	2	22	723
	5	4,328	35	4,293	31	3	28	644
	6	4,925	58	4,867	26	0	26	753
	7	5,860	62	5,798	30	1	29	824
	8	6,260	118	6,142	23	1	22	863
	9	4,743	113	4,630	21	0	21	739
	10	4,299	78	4,220	24	1	22	671
	11	4,505	36	4,469	18	-	18	646
	12	5,521	63	5,458	20	0	19	734
2024 <sup>Ⓟ</sup>	1	5,810	125	5,685	24	0	24	850
	2	5,225	51	5,174	21	0	21	662
	3	4,380	49	4,331	23	0	23	800
	4	4,026	56	3,970	21	-	21	634
	5	3,849	87	3,762	22	-	22	738
	6	4,686	83	4,603	26	-	26	809
	7	6,142	84	6,058	22	-	22	940
	8	6,885	118	6,767	22	-	22	1,071
	9	5,360	98	5,262	24	-	24	842
	10	4,226	11	4,215	27	-	27	681
	11	4,158	63	4,095	24	-	24	547
	12	5,383	101	5,282	24	-	24	644
2025 <sup>Ⓟ</sup>	1	4,870	88	4,781	24	-	24	654
2024 <sup>Ⓟ</sup>	1-1	5,810	125	5,685	24	0	24	850
2025 <sup>Ⓟ</sup>	1-1	4,870	88	4,781	24	-	24	654

주 1. 시운전 연료 사용량 포함.

Note 1. Includes fuel used for test runs

2. 한전 및 자회사 연료 사용량임

2. Includes only the fuel used by KEPCO and its subsidiary companies.

자료: 한국전력공사-전력통계월보

Source: Monthly Report on Major Electric Power Statistics, KEPCO

## 6.5 고객호수 및 판매량

## Customers and Sales Volume by Type

		고객호수			판매량		
		Customers			Sales volume		
		합계	저압	고압	합계	저압	고압
		Total	Low voltage	High voltage	Total	Low voltage	High voltage
1,000 households				GWh			
1990		9,315	8,515	800	94,383	17,430	76,953
1995		12,771	12,694	77	163,270	47,272	115,998
2000		14,976	14,850	126	239,535	69,626	169,910
2002		16,490	16,333	157	278,451	85,452	193,000
2003		16,776	16,600	176	293,599	88,969	204,630
2004		17,062	16,868	194	312,096	92,539	219,557
2005		17,329	17,117	212	332,413	97,639	234,773
2006		17,625	17,395	230	348,719	100,683	248,036
2007		18,039	17,789	249	368,605	103,161	265,445
2008		18,419	18,152	268	385,070	105,899	279,171
2009		18,727	18,444	283	394,475	107,172	287,303
2010		19,229	18,929	301	434,160	114,075	320,085
2011		19,815	19,494	321	455,070	113,075	341,995
2012		20,476	20,131	345	466,593	113,902	352,691
2013		21,018	20,648	370	474,849	113,027	361,822
2014		21,532	21,131	402	477,592	108,403	369,188
2015		22,030	21,602	428	483,655	109,712	373,943
2016		22,553	22,097	456	497,039	112,114	384,925
2017		23,077	22,588	489	507,746	112,411	395,335
2018		23,502	22,972	529	526,149	115,976	410,174
2019		23,860	23,294	566	520,499	112,889	407,610
2020		24,198	23,594	604	509,270	111,663	397,607
2021		24,523	23,878	646	533,431	115,457	417,974
2022		24,866	24,170	696	547,933	118,406	429,526
2023 <sup>P</sup>		25,129	24,388	741	545,966	117,638	428,328
2024 <sup>P</sup>		25,321	24,541	781	549,821	118,884	430,936
2023 <sup>P</sup>	1	24,806	24,105	700	51,241	12,492	38,749
	2	24,826	24,122	704	47,875	11,987	35,888
	3	25,388	24,680	708	44,095	9,392	34,702
	4	24,955	24,243	712	42,301	8,743	33,558
	5	24,891	24,176	715	41,426	7,953	33,473
	6	24,903	24,185	718	43,010	8,342	34,667
	7	24,947	24,226	721	46,658	9,297	37,361
	8	24,963	24,238	725	50,434	11,395	39,039
	9	24,986	24,258	728	48,056	10,730	37,326
	10	25,001	24,269	732	41,750	8,336	33,414
	11	25,582	24,845	737	42,906	8,839	34,067
	12	25,129	24,388	741	46,215	10,132	36,083
2024 <sup>P</sup>	1	25,062	24,316	746	49,630	11,653	37,977
	2	25,078	24,328	750	46,698	11,516	35,182
	3	25,640	24,886	754	45,368	9,784	35,585
	4	25,197	24,439	759	42,771	9,006	33,765
	5	25,119	24,357	761	41,200	7,792	33,408
	6	25,134	24,371	763	42,816	8,348	34,468
	7	25,152	24,387	765	47,096	9,414	37,682
	8	25,179	24,410	768	52,420	12,018	40,402
	9	25,196	24,425	771	50,384	11,946	38,438
	10	25,206	24,432	774	44,090	8,996	35,094
	11	25,778	25,000	778	41,930	8,694	33,237
	12	25,321	24,541	781	45,417	9,718	35,700
2025 <sup>P</sup>	1	25,250	24,466	783	48,796	11,648	37,148
2024 <sup>P</sup>	1-1	25,062	24,316	746	49,630	11,653	37,977
2025 <sup>P</sup>	1-1	25,250	24,466	783	48,796	11,648	37,148

자료: 한국전력공사-전력통계월보

Source: Monthly Report on Major Electric Power Statistics, KEPCO

## 6.6 부문별 전기 소비

## Electricity Consumption by Sector

		합계	산업 <sup>1</sup>					수송			가정	상업·공공
		Total	Industry <sup>1</sup>	화학 및 석유화학	철강	기계류	기타	Transport	철도	도로	Residential	
				Chemical and Petrochemical	Iron and Steel	Machinery	Others		Rail	Road		
		GWh										
1990		92,985	57,850	9,511	10,064	12,091	26,184	1,012	1,012	–	17,735	16,388
1995		160,843	94,008	16,463	16,101	15,499	45,944	1,802	1,802	–	28,303	36,729
2000		235,730	128,455	23,054	19,997	23,624	61,779	2,037	2,037	–	37,102	68,137
2002		274,234	140,236	24,995	20,461	27,082	67,699	2,271	2,271	–	42,278	89,448
2003		288,327	145,115	25,870	20,902	29,539	68,804	2,331	2,331	–	44,572	96,309
2004		306,429	152,671	27,181	21,384	33,474	70,632	2,475	2,475	–	48,615	102,668
2005		326,419	160,819	27,954	23,013	38,019	71,832	2,601	2,601	–	50,873	112,126
2006		342,173	168,115	28,324	24,380	41,922	73,489	2,534	2,534	–	52,522	119,002
2007		361,726	179,372	29,624	27,241	45,870	76,638	2,433	2,433	–	54,174	125,747
2008		377,519	187,079	31,389	31,733	49,594	74,363	2,277	2,277	–	56,228	131,935
2009		386,450	189,719	31,978	28,329	50,753	78,660	2,174	2,174	–	57,595	136,961
2010		425,518	214,529	34,496	34,494	59,283	86,256	2,191	2,191	–	61,194	147,604
2011		445,637	232,772	38,630	38,392	64,644	91,106	2,246	2,246	–	61,564	149,055
2012		456,554	239,097	40,383	37,571	68,830	92,313	2,250	2,250	–	63,536	151,671
2013		464,451	246,444	41,612	38,033	72,345	94,454	2,168	2,168	–	63,970	151,869
2014		466,317	253,343	43,615	40,367	73,248	96,113	1,999	1,999	–	62,675	148,299
2015		472,446	254,424	44,326	36,998	74,325	98,775	2,217	2,217	–	63,794	152,011
2016		484,795	257,732	46,099	35,159	75,601	100,872	2,689	2,689	–	66,173	158,202
2017		495,141	264,067	47,710	35,524	79,986	100,847	2,864	2,820	45	66,517	161,693
2018		513,242	270,798	49,256	34,852	84,862	101,829	3,080	2,968	112	70,687	168,677
2019		507,302	266,573	49,012	32,617	84,842	100,102	3,156	2,909	248	70,455	167,118
2020		496,890	254,749	49,520	26,452	82,634	96,143	3,315	2,899	416	74,074	164,752
2021		520,326	269,561	53,405	25,906	89,539	100,711	3,701	2,996	705	77,558	169,506
2022		535,364	274,066	53,422	25,902	92,551	102,192	4,053	2,751	1,303	78,558	178,687
2023 <sup> P</sup>		534,678	268,462	53,391	24,288	90,707	100,077	4,720	2,766	1,955	79,886	181,609
2024 <sup> P</sup>		536,579	263,994	54,091	21,260	89,699	98,944	5,464	2,744	2,720	84,427	182,694
2023 <sup> P</sup>	1	50,151	24,185	4,600	2,295	8,003	9,287	392	257	136	6,992	18,582
	2	46,947	22,627	4,283	1,869	7,664	8,811	370	230	139	6,796	17,155
	3	43,111	22,550	4,441	2,146	7,461	8,503	354	207	147	5,788	14,419
	4	41,399	21,766	4,327	2,081	7,270	8,087	350	198	152	5,936	13,347
	5	40,456	21,521	4,354	2,198	7,194	7,775	367	210	157	5,675	12,892
	6	42,228	22,029	4,412	1,999	7,581	8,037	381	220	161	5,952	13,865
	7	45,721	22,806	4,680	2,006	7,896	8,224	414	248	166	7,036	15,464
	8	49,503	22,940	4,621	1,917	7,930	8,472	441	271	170	9,131	16,991
	9	47,096	22,615	4,582	1,884	7,708	8,441	425	251	174	8,086	15,970
	10	40,772	21,026	4,271	2,015	7,089	7,650	391	212	179	6,109	13,247
	11	41,992	21,971	4,307	1,961	7,370	8,332	408	224	185	5,984	13,629
	12	45,303	22,427	4,512	1,918	7,540	8,457	427	238	189	6,400	16,049
2024 <sup> P</sup>	1	48,546	23,435	4,669	1,987	7,800	8,980	469	242	228	6,985	17,657
	2	45,636	21,649	4,314	1,683	7,270	8,382	449	225	224	6,867	16,670
	3	44,263	22,680	4,484	2,073	7,718	8,404	408	216	191	6,200	14,976
	4	41,716	21,463	4,432	1,818	7,186	8,027	405	206	199	6,130	13,717
	5	40,080	21,241	4,528	1,765	7,278	7,670	410	206	203	5,704	12,725
	6	41,733	21,368	4,468	1,744	7,262	7,894	435	218	217	6,044	13,886
	7	45,932	22,516	4,788	1,716	7,825	8,188	474	244	230	7,273	15,669
	8	51,236	22,951	4,627	1,621	8,050	8,652	512	271	241	10,079	17,694
	9	49,235	22,102	4,524	1,482	7,568	8,528	485	255	230	9,715	16,933
	10	42,968	21,718	4,501	1,749	7,562	7,907	443	217	226	6,934	13,874
	11	40,883	21,009	4,280	1,748	6,848	8,132	460	213	247	6,073	13,341
	12	44,350	21,862	4,475	1,874	7,331	8,182	514	230	284	6,423	15,551
2025 <sup> P</sup>	1	47,759	22,402	4,526	1,841	7,431	8,603	534	248	286	7,091	17,731
2024 <sup> P</sup>	1–1	48,546	23,435	4,669	1,987	7,800	8,980	469	242	228	6,985	17,657
2025 <sup> P</sup>	1–1	47,759	22,402	4,526	1,841	7,431	8,603	534	248	286	7,091	17,731

1. 농림어업, 광·제조업, 건설업 포함

1. Includes Agri.Fishery, Mining, Manufacturing, and Construction Sectors.

## 6.7 열에너지(지역난방) 수급

## Heat Overview

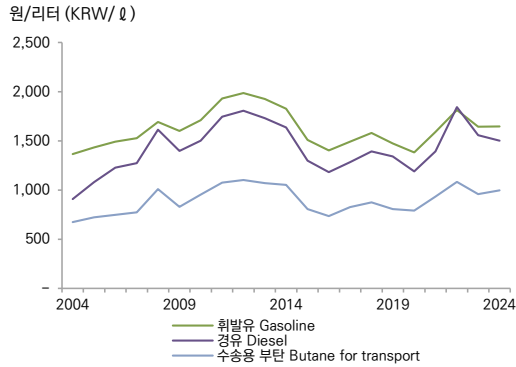
		열 생산			최종소비		
		Heat production	열병합 CHP Plants	열전용 Heat-only plants	TFC	가정 Residential	상업·공공 Commercial & Public
		1,000 toe					
1990		79	79	—	—	—	—
1995		1,175	1,073	102	637	603	34
2000		1,276	1,118	158	1,208	1,113	95
2002		1,353	1,186	167	1,224	1,118	106
2003		1,440	1,110	330	1,395	1,151	244
2004		1,467	1,163	304	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 <sup>P</sup>		2,888	2,440	448	2,809	2,281	528
2024 <sup>P</sup>		3,300	3,032	268	2,640	2,089	551
2023 <sup>P</sup>	1	572	430	142	562	485	77
	2	398	345	53	404	349	55
	3	277	250	27	272	237	34
	4	180	168	12	163	144	19
	5	125	113	13	118	93	25
	6	71	65	6	96	58	38
	7	101	97	4	108	52	55
	8	92	88	4	101	41	60
	9	71	69	2	87	47	40
	10	131	118	13	121	104	17
	11	338	283	55	293	254	39
	12	531	415	115	486	418	68
2024 <sup>P</sup>	1	613	558	55	502	426	76
	2	452	409	42	373	320	53
	3	416	389	27	314	271	43
	4	184	168	16	135	115	20
	5	114	96	18	106	82	24
	6	101	86	15	99	56	43
	7	123	114	9	102	48	53
	8	126	113	13	98	36	62
	9	93	88	6	84	38	46
	10	130	125	4	106	83	23
	11	369	345	24	269	229	40
	12	579	541	38	452	385	68
2025 <sup>P</sup>	1	591	548	43	480	406	75
2024 <sup>P</sup>	1~1	613	558	55	502	426	76
2025 <sup>P</sup>	1~1	591	548	43	480	406	75



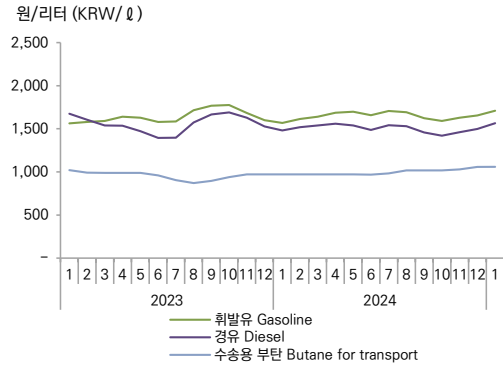


## ● 석유 소비자 가격 Consumer Prices by Petroleum Product

〈2004~2024〉

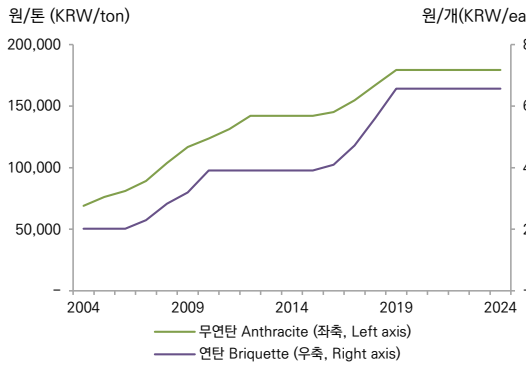


〈2023.1~2025.1〉



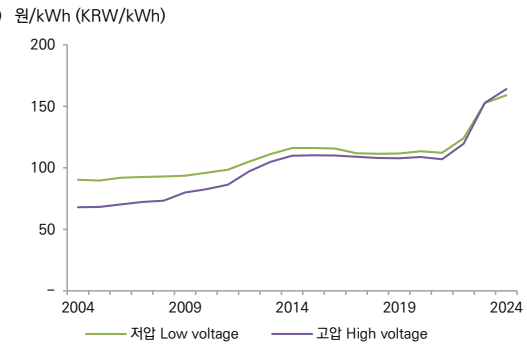
## ● 석탄 가격 Coal Prices

〈2004~2024〉



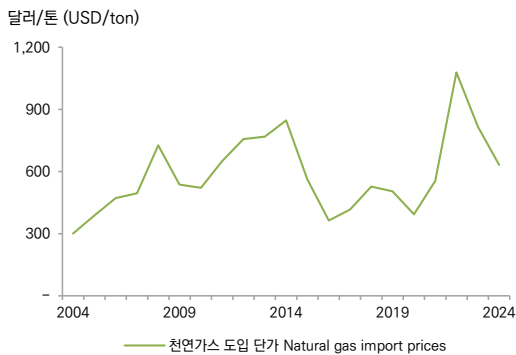
## ● 전력 가격 Electricity Prices

〈2004~2024〉



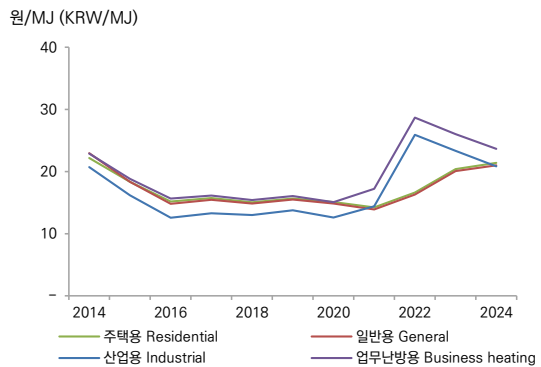
## ● LNG 도입 단가 LNG Import Prices

〈2004~2024〉



## ● 도시가스 가격 City Gas Prices

〈2004~2024〉



## 7.1.1 원유 수입 가격

## Crude Oil Import Prices

		평균 Average	중동 Middle East	아시아 Asia	아프리카 Africa	아메리카 America	유럽 Europe
		USD/bbl					
1990		20.5	20.2	22.1	18.8	18.1	-
1995		17.3	17.2	18.0	17.7	16.7	-
2000		28.2	27.9	29.8	29.6	26.3	27.8
2002		24.4	24.4	24.9	24.5	22.3	25.5
2003		28.7	28.4	30.3	28.9	27.5	32.6
2004		36.0	35.3	39.7	37.3	33.5	-
2005		50.4	50.0	54.1	48.9	41.6	57.2
2006		62.9	62.4	65.4	65.5	57.1	-
2007		69.3	68.6	73.3	69.8	53.5	-
2008		98.8	98.6	100.4	100.5	-	-
2009		61.3	61.4	61.0	60.3	53.3	-
2010		78.6	78.5	79.6	77.6	76.3	-
2011		108.1	107.4	113.3	111.1	99.8	114.7
2012		112.9	112.4	114.9	118.0	98.9	116.3
2013		108.3	107.9	110.3	107.9	110.8	111.0
2014		101.5	101.4	101.9	101.1	95.9	103.4
2015		53.3	53.0	54.8	55.6	51.3	56.8
2016		41.0	40.7	44.8	45.6	36.0	41.9
2017		53.3	53.2	55.3	56.4	47.9	56.0
2018		71.4	71.0	73.6	74.3	68.9	75.3
2019		65.5	65.7	66.3	66.8	64.3	68.6
2020		44.8	43.9	45.3	48.4	46.3	43.8
2021		70.2	70.3	71.1	71.7	69.6	70.6
2022		102.3	102.2	101.4	105.5	102.2	104.4
2023 <sup>p</sup>		85.9	85.9	84.3	87.4	86.0	92.1
2024 <sup>p</sup>		82.8	82.4	82.4	85.4	83.8	80.1
2023 <sup>p</sup>	1	86.0	84.9	84.2	88.2	90.2	-
	2	85.5	85.4	82.8	88.8	86.9	-
	3	83.8	83.3	83.1	86.6	85.6	-
	4	84.2	84.7	82.2	86.7	83.4	85.2
	5	83.7	83.1	85.6	93.1	84.4	-
	6	78.7	78.6	76.0	79.1	79.9	-
	7	80.4	81.1	76.3	73.2	79.9	-
	8	85.1	85.9	83.2	82.9	80.7	-
	9	91.5	92.7	88.1	90.9	87.5	-
	10	94.4	94.4	94.0	95.0	94.3	96.7
	11	91.2	90.7	89.1	94.8	92.9	94.4
	12	85.9	85.5	87.4	88.9	86.4	-
2024 <sup>p</sup>	1	82.8	82.5	79.8	84.0	84.3	-
	2	82.9	82.8	83.6	86.8	82.9	82.6
	3	84.1	84.3	83.6	90.0	83.0	83.7
	4	87.6	87.7	88.1	94.4	86.8	-
	5	89.0	88.5	89.5	92.4	90.2	-
	6	87.1	86.4	84.1	79.1	90.2	-
	7	86.1	85.9	83.2	87.3	86.7	-
	8	83.8	82.8	84.8	84.2	86.1	82.6
	9	79.5	78.7	80.0	84.3	81.7	-
	10	77.5	76.9	77.7	80.4	79.4	76.4
	11	76.6	76.4	78.0	79.0	77.2	75.4
	12	76.2	75.9	76.9	82.4	76.8	-
2025 <sup>p</sup>	1	78.4	78.7	78.3	78.1	77.6	-
2024 <sup>p</sup>	1-1	82.8	82.5	79.8	84.0	84.3	-
2025 <sup>p</sup>	1-1	78.4	78.7	78.3	78.1	77.6	-

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

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

Note 1. Import volume and price of crude oil are based on  
Korea National Oil Corporation data and may differ from  
Korea International Trade Association statistics.

2. The import prices are based on the customs clearance price  
while the import values are CIF prices.  
Source : Korea National Oil Corporation-PEDSIS

## 7.1.2 주요 석유제품 수입 가격

## Import Prices by Petroleum Product

	휘발유	경유	등유	중질중유	액화석유가스	납사
	Gasoline	Diesel	Kerosene	Bunker-C	LPG	Naphtha
	USD/bbl					
1990	-	-	-	-	-	-
1995	-	23.2	25.0	16.6	16.9	18.9
2000	35.5	36.4	37.2	27.2	26.3	30.6
2002	30.4	29.3	29.8	24.2	22.1	25.3
2003	34.0	34.0	37.5	30.1	26.3	31.3
2004	46.5	44.4	45.7	33.2	31.3	42.3
2005	51.4	64.5	64.6	44.3	39.0	52.9
2006	-	84.2	76.0	53.9	47.1	64.0
2007	-	78.5	81.9	54.6	53.0	74.0
2008	-	125.8	106.3	89.6	75.0	100.1
2009	-	61.8	71.3	53.0	46.0	58.8
2010	-	93.5	102.5	74.1	61.9	80.4
2011	-	130.4	129.6	102.7	76.6	104.2
2012	119.7	127.5	128.4	109.1	79.6	105.7
2013	124.7	127.3	126.7	101.3	77.3	103.0
2014	-	122.5	125.7	95.5	76.4	101.8
2015	85.9	75.4	124.9	48.0	41.9	55.8
2016	64.2	55.4	47.7	38.0	30.9	44.1
2017	66.4	68.8	62.8	54.6	41.1	54.2
2018	92.4	86.6	62.5	70.7	48.0	70.6
2019	100.0	80.0	82.9	66.7	37.5	58.5
2020	505.7	39.0	37.8	50.9	32.6	45.3
2021	84.0	103.5	78.5	69.6	54.1	71.1
2022	150.8	113.5	90.8	92.2	66.2	88.7
2023 <sup>P</sup>	120.7	-	114.5	82.8	59.3	73.5
2024 <sup>P</sup>	104.7	-	114.5	81.3	52.4	76.7
2023 <sup>P</sup>	1	-	-	74.8	61.0	74.2
	2	-	-	73.2	66.7	76.0
	3	-	114.5	79.9	65.0	79.8
	4	124.5	-	79.9	62.6	77.5
	5	-	-	76.4	57.1	75.1
	6	-	-	75.0	53.5	67.3
	7	-	-	83.6	53.6	61.9
	8	119.8	-	90.9	58.8	65.7
	9	-	-	92.2	65.6	73.5
	10	-	-	87.8	55.7	78.9
	11	-	-	114.5	82.4	75.9
	12	-	-	114.5	81.1	72.6
2024 <sup>P</sup>	1	-	114.5	79.9	52.4	75.3
	2	-	114.5	74.3	49.6	76.9
	3	-	114.5	84.7	51.6	78.4
	4	-	-	92.5	52.4	80.2
	5	97.2	-	89.4	52.0	79.5
	6	106.9	-	85.7	51.3	76.6
	7	-	-	85.2	53.6	77.3
	8	-	-	80.9	51.9	79.0
	9	-	-	76.3	53.7	75.5
	10	-	-	75.4	53.8	73.8
	11	-	-	81.4	53.8	75.6
	12	-	-	76.2	52.4	72.5
2025 <sup>P</sup>	1	-	-	79.7	51.3	72.4
2024 <sup>P</sup>	1-1	-	114.5	79.9	52.4	75.3
2025 <sup>P</sup>	1-1	-	-	79.7	51.3	72.4

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

Note: The import prices are based on the customs clearance price while the import values are CIF prices.

Source: Korea National Oil Corporation-PEDSIS

## 7.1.3 주요 석유제품 수출 가격

## Export Prices by Petroleum Product

		휘발유	경유	등유	중질중유	액화석유가스	납사
		Gasoline	Diesel	Kerosene	Bunker-C	LPG	Naphtha
		USD/bbl					
1990		-	-	-	-	-	-
1995		27.7	21.8	23.7	14.5	18.4	18.4
2000		32.4	33.1	34.7	24.2	26.5	29.9
2002		27.8	27.5	29.9	23.3	22.4	25.9
2003		35.3	32.4	36.3	27.2	28.1	31.5
2004		47.5	47.2	46.6	29.8	29.3	43.3
2005		62.1	64.8	60.9	42.1	38.8	53.8
2006		74.2	77.8	81.4	50.1	48.3	63.5
2007		86.4	84.9	97.7	61.8	49.4	77.4
2008		93.7	121.7	109.9	79.2	70.4	90.8
2009		70.5	69.3	72.0	59.3	48.7	61.6
2010		88.4	89.9	92.9	73.9	59.9	80.3
2011		118.2	125.5	130.4	102.4	72.5	103.7
2012		121.0	126.7	130.0	105.9	83.1	102.6
2013		117.5	122.9	132.7	102.6	77.7	102.7
2014		108.8	112.8	107.6	96.9	78.2	95.8
2015		66.8	63.4	67.3	50.0	44.7	54.2
2016		53.9	50.8	53.9	42.8	34.1	43.8
2017		67.3	65.4	70.9	56.2	43.7	54.2
2018		79.4	84.6	84.1	72.3	50.5	68.5
2019		70.7	77.6	76.9	64.6	40.6	57.7
2020		48.1	51.0	51.0	40.4	35.7	41.9
2021		81.2	77.8	76.6	76.9	54.9	71.4
2022		112.8	132.7	113.3	102.8	62.4	84.1
2023 <sup>P</sup>		96.8	104.7	106.6	82.1	51.8	72.2
2024 <sup>P</sup>		90.9	94.4	96.9	86.3	54.2	77.4
2023 <sup>P</sup>	1	95.3	113.4	115.7	81.3	52.5	75.0
	2	98.2	106.0	109.8	86.6	63.9	80.8
	3	96.1	100.5	96.6	74.5	58.5	75.6
	4	99.0	96.4	-	86.5	59.1	74.3
	5	88.9	87.7	89.8	74.5	53.0	68.8
	6	91.0	90.1	90.0	75.8	42.7	61.8
	7	95.5	100.3	100.8	79.5	38.5	64.2
	8	105.9	116.6	114.7	91.2	50.1	71.4
	9	107.1	123.2	123.1	94.8	52.3	75.4
	10	99.7	117.1	116.1	95.0	58.5	75.7
	11	95.0	106.2	109.3	86.1	52.1	72.1
	12	90.8	98.3	104.3	80.5	54.5	73.7
2024 <sup>P</sup>	1	92.7	100.4	104.5	83.0	55.0	76.3
	2	97.2	103.7	105.9	84.7	50.8	78.1
	3	99.1	101.8	103.3	94.9	63.0	79.3
	4	103.3	101.3	102.8	90.9	60.2	80.3
	5	93.6	96.0	96.6	89.9	59.0	77.5
	6	92.4	95.9	97.9	88.0	-	79.8
	7	93.4	96.6	104.2	92.1	54.1	77.1
	8	87.2	90.6	93.1	82.3	54.2	79.6
	9	81.7	83.5	87.7	84.8	56.6	73.5
	10	82.0	85.6	90.1	87.1	59.1	74.1
	11	82.4	87.9	91.5	85.0	59.6	74.6
	12	83.7	88.2	91.0	79.1	51.1	78.1
2025 <sup>P</sup>	1	86.1	93.4	95.4	86.7	49.8	77.1
2024 <sup>P</sup>	1-1	92.7	100.4	104.5	83.0	55.0	76.3
2025 <sup>P</sup>	1-1	86.1	93.4	95.4	86.7	49.8	77.1

주: 통관기준이며, 수출액은 FOB 가격임.

자료 : 한국석유공사-PEDSIS

Note: The export prices are based on the customs clearance price while the export values are FOB prices.

Source: Korea National Oil Corporation-PEDSIS

## 7.1.4 정유사 판매 가격

## Refiner Prices

		휘발유	경유		등유 <sup>1</sup>	중질중유	액화석유가스	
		Gasoline	Diesel		Kerosene <sup>1</sup>	Bunker-C	LPG	
			선박용 MGO	자동차용 Automobile			부탄 Butane	프로판 Propane
		KRW/ ℓ				KRW/kg		
1990		330.8	154.5	157.7	164.7	86.2	231.2	231.7
1995		537.1	200.0	207.9	227.2	119.5	239.3	239.9
2000		1,175.9	553.7	567.4	485.9	288.7	-	-
2002		1,203.9	640.8	651.1	492.2	320.5	692.3	511.1
2003		1,231.6	748.3	748.9	571.8	339.5	870.3	568.0
2004		1,293.0	876.3	878.7	692.9	365.4	1,042.8	617.6
2005		1,359.4	1,045.7	1,045.6	806.8	420.2	1,121.4	671.8
2006		1,406.9	1,175.7	1,185.9	857.6	489.4	1,156.0	745.0
2007		1,433.6	1,156.3	1,199.8	837.9	491.3	-	-
2008		1,554.4	1,426.7	1,468.6	954.8	698.0	1,584.9	1,214.4
2009		1,491.8	1,216.6	1,267.4	798.0	584.7	1,246.4	871.3
2010		1,605.9	1,333.1	1,393.1	908.1	710.5	1,451.1	1,056.3
2011		1,809.8	1,572.9	1,630.6	1,144.2	917.8	1,656.6	1,230.1
2012		1,860.9	1,629.3	1,682.2	1,185.5	1,053.5	1,690.5	1,261.7
2013		1,796.6	1,570.7	1,609.2	1,126.9	918.7	1,636.3	1,216.7
2014		1,684.6	1,473.4	1,485.0	963.6	853.4	1,597.7	1,154.8
2015		1,389.4	1,139.8	1,164.5	630.9	541.9	1,169.4	727.1
2016		1,296.2	1,027.8	1,068.7	542.4	442.8	1,030.6	584.4
2017		1,380.0	1,136.4	1,161.4	650.0	564.7	1,179.5	733.7
2018		1,455.6	1,260.7	1,277.1	765.4	658.9	1,237.3	812.5
2019		1,379.4	1,199.9	1,227.9	752.2	678.2	1,122.4	720.7
2020		1,257.6	1,040.2	1,057.2	532.2	518.3	1,096.5	666.9
2021		1,500.1	1,205.5	1,286.2	739.4	688.7	1,331.2	903.7
2022		1,649.6	1,606.5	1,712.2	1,204.0	1,006.5	1,581.5	1,251.0
2023 <sup>Ⓟ</sup>		1,537.0	1,374.5	1,415.7	1,089.1	886.3	1,344.6	1,062.5
2024 <sup>Ⓟ</sup>		1,541.1	1,338.9	1,385.9	1,037.5	919.4	1,422.2	1,088.8
2023 <sup>Ⓟ</sup>	1	1,490.8	1,448.0	1,485.9	1,149.2	857.8	1,463.7	1,172.9
	2	1,506.2	1,429.9	1,411.0	1,083.2	859.4	1,409.7	1,122.2
	3	1,521.3	1,373.9	1,392.3	1,035.8	874.0	1,419.1	1,126.1
	4	1,567.3	1,359.1	1,379.3	1,023.0	857.7	1,420.1	1,123.1
	5	1,484.1	1,327.8	1,286.0	951.5	868.4	1,405.2	1,116.0
	6	1,488.1	1,244.9	1,289.8	933.1	845.0	1,291.7	1,067.6
	7	1,521.0	1,244.4	1,340.9	1,008.6	838.5	1,250.1	957.3
	8	1,617.7	1,302.4	1,519.8	1,194.4	868.3	1,193.7	882.6
	9	1,674.4	1,493.6	1,584.1	1,272.6	957.3	1,245.0	939.3
	10	1,585.0	1,574.2	1,558.5	1,228.1	974.0	1,327.0	1,014.2
	11	1,524.3	1,536.3	1,429.8	1,123.9	988.2	1,380.8	1,065.9
	12	1,462.2	1,411.5	1,360.7	1,059.1	912.8	1,380.8	1,067.1
2024 <sup>Ⓟ</sup>	1	1,491.5	1,325.1	1,389.7	1,071.6	867.4	1,380.4	1,061.9
	2	1,536.9	1,343.2	1,429.4	1,092.9	916.5	1,380.6	1,068.5
	3	1,542.1	1,415.9	1,402.2	1,081.1	935.2	1,379.7	1,066.2
	4	1,634.5	1,377.9	1,432.9	1,103.5	935.8	1,380.2	1,065.7
	5	1,560.2	1,414.3	1,368.7	1,035.5	966.4	1,380.6	1,051.0
	6	1,535.3	1,346.5	1,384.3	1,063.4	935.7	1,377.6	1,050.5
	7	1,600.9	1,385.2	1,443.2	1,077.0	928.9	1,396.3	1,069.3
	8	1,542.4	1,417.9	1,375.9	995.7	965.7	1,457.2	1,128.4
	9	1,472.1	1,335.6	1,287.4	922.6	885.8	1,458.9	1,121.8
	10	1,493.8	1,244.1	1,323.0	971.5	899.2	1,458.5	1,116.0
	11	1,542.2	1,317.3	1,400.2	1,003.3	934.9	1,481.7	1,114.3
	12	1,567.1	1,355.8	1,415.1	1,016.7	943.1	1,526.7	1,164.0
2025 <sup>Ⓟ</sup>	1	1,618.2	1,371.8	1,493.7	1,079.0	916.8	1,529.6	1,170.1
2024 <sup>Ⓟ</sup>	1-1	1,491.5	1,325.1	1,389.7	1,071.6	867.4	1,380.4	1,061.9
2025 <sup>Ⓟ</sup>	1-1	1,618.2	1,371.8	1,493.7	1,079.0	916.8	1,529.6	1,170.1

1. 실내용유 기준

주: 세후 가격

자료: 한국석유공사-PETRONET

1. Only considers kerosene prices.

Note: All prices include taxes.

Source: Korea National Oil Corporation-PETRONET

## 7.1.5 소비자 판매 가격

## Consumer Prices

	휘발유 <sup>1</sup> Gasoline <sup>1</sup>	경유 <sup>1</sup> Diesel <sup>1</sup>	등유 (실내등유) Kerosene	중질중유 <sup>2</sup> Bunker-C <sup>2</sup>	프로판 <sup>3</sup> Propane <sup>3</sup>	부탄 Butane	
						일반용 <sup>3</sup> Residential & Commercial <sup>3</sup>	수송용 <sup>1</sup> Transport <sup>1</sup>
						KRW/kg	KRW/ℓ
1990	383.5	182.0	191.3	95.3	415.0	-	-
1995	598.0	239.4	261.6	129.5	489.7	-	-
2000	1,248.4	612.8	559.6	304.1	809.3	-	-
2002	1,269.1	677.6	554.4	322.8	887.3	1,108.1	457.7
2003	1,294.8	772.0	638.8	339.2	980.0	1,193.3	567.4
2004	1,365.3	907.9	752.2	367.1	1,050.2	1,234.5	673.9
2005	1,432.3	1,079.7	871.0	420.1	1,131.5	1,305.1	723.4
2006	1,492.4	1,228.2	931.9	483.0	1,242.7	1,392.3	747.9
2007	1,525.9	1,272.7	932.2	526.6	1,330.6	1,453.7	773.8
2008	1,692.1	1,614.4	1,238.7	757.1	1,789.9	1,898.2	1,009.0
2009	1,600.7	1,397.5	976.2	718.7	1,577.2	1,885.0	828.7
2010	1,710.4	1,502.8	1,076.0	772.3	1,812.7	2,072.0	952.2
2011	1,929.3	1,745.7	1,321.2	987.2	2,034.0	2,277.3	1,076.1
2012	1,985.8	1,806.3	1,394.1	1,088.7	2,105.9	2,352.0	1,101.9
2013	1,924.5	1,729.6	1,366.7	935.1	2,085.3	2,337.6	1,070.8
2014	1,827.3	1,636.7	1,296.7	885.5	2,112.9	2,369.3	1,051.2
2015	1,510.4	1,299.6	947.4	604.2	1,801.3	2,033.9	806.4
2016	1,402.6	1,182.5	784.5	523.8	1,689.1	1,913.5	734.0
2017	1,491.3	1,282.5	853.1	619.8	1,833.8	2,074.7	826.5
2018	1,581.4	1,391.9	942.3	724.3	1,920.4	2,177.4	874.5
2019	1,472.4	1,340.5	961.7	733.6	1,869.9	2,140.4	806.3
2020	1,381.4	1,189.7	853.8	570.1	1,851.2	2,148.0	790.8
2021	1,590.6	1,391.4	946.8	731.6	2,092.3	2,415.1	932.2
2022	1,812.8	1,842.9	1,473.9	1,082.2	2,478.1	2,854.7	1,081.8
2023 <sup>P</sup>	1,643.0	1,558.3	1,403.0	924.4	2,372.7	2,774.2	957.4
2024 <sup>P</sup>	1,646.7	1,502.7	1,344.8	937.1	2,445.9	2,867.9	995.3
2023 <sup>P</sup> 1	1,562.9	1,675.4	1,495.2	883.8	2,440.0	2,856.0	1,019.7
2	1,578.5	1,606.4	1,464.5	915.6	2,405.4	2,821.6	992.2
3	1,592.2	1,539.7	1,426.4	956.9	2,409.7	2,816.7	989.4
4	1,640.9	1,535.7	1,403.7	882.5	2,409.0	2,797.7	988.3
5	1,628.8	1,472.0	1,378.0	920.7	2,408.8	2,795.9	987.8
6	1,580.6	1,394.5	1,336.2	879.3	2,374.2	2,749.0	961.0
7	1,585.5	1,396.5	1,317.6	883.3	2,287.5	2,648.4	905.3
8	1,716.8	1,573.2	1,339.7	880.5	2,242.8	2,591.2	870.4
9	1,769.2	1,666.5	1,388.6	963.7	2,285.0	2,631.6	895.5
10	1,775.9	1,690.3	1,432.8	992.6	2,367.9	2,728.4	940.3
11	1,684.1	1,628.2	1,426.4	1,024.1	2,416.6	2,826.6	970.8
12	1,600.6	1,526.3	1,389.5	994.7	2,420.1	2,858.0	970.8
2024 <sup>P</sup> 1	1,569.2	1,480.1	1,359.5	900.9	2,418.8	2,857.3	970.5
2	1,614.5	1,517.8	1,360.8	909.5	2,418.9	2,860.0	970.5
3	1,639.1	1,539.0	1,365.6	938.2	2,418.5	2,854.5	970.1
4	1,687.8	1,557.8	1,367.4	947.8	2,419.3	2,843.4	970.1
5	1,697.5	1,539.6	1,364.0	979.4	2,418.7	2,833.3	969.9
6	1,657.4	1,487.5	1,351.8	959.8	2,417.5	2,826.1	969.5
7	1,707.1	1,542.5	1,352.9	942.9	2,423.1	2,825.5	982.6
8	1,691.3	1,528.9	1,350.5	967.2	2,469.9	2,872.1	1,016.4
9	1,622.2	1,458.2	1,332.2	922.4	2,475.1	2,876.3	1,017.1
10	1,591.3	1,421.4	1,310.1	917.0	2,474.7	2,871.8	1,016.9
11	1,628.3	1,461.0	1,309.8	928.7	2,477.1	2,894.3	1,029.9
12	1,653.6	1,497.2	1,312.6	946.9	2,521.6	2,981.3	1,058.3
2025 <sup>P</sup> 1	1,709.3	1,563.6	1,327.9	927.9	2,522.4	2,993.1	1,059.0
2024 <sup>P</sup> 1-1	1,569.2	1,480.1	1,359.5	900.9	2,418.8	2,857.3	970.5
2025 <sup>P</sup> 1-1	1,709.3	1,563.6	1,327.9	927.9	2,522.4	2,993.1	1,059.0

1. 주유소/충전소 판매 가격

2. 대리점 판매 가격

3. 판매소 판매 가격

주: 부가세 포함 가격

자료 : 한국석유공사-PETRONET

1. Sales price at gas and charging stations

2. Sales price at outlets

3. Sales price at retail shops

Note: Includes VAT

Source: Korea National Oil Corporation-PETRONET

## 7.2 석탄 및 전력 가격

## Coal and Electricity Prices

		석탄 Coal		전력 <sup>3</sup> Electricity <sup>3</sup>		
		무연탄 <sup>1</sup> Anthracite <sup>1</sup>	연탄 <sup>2</sup> Briquette <sup>2</sup>	저압 Low voltage	고압 High voltage	평균 Average
		KRW/ton	KRW/each	KRW/kWh		
1990		40,740	185	68.1	49.5	52.9
1995		40,740	185	84.8	51.7	61.3
2000		62,210	185	96.5	65.7	74.7
2002		62,474	185	91.6	66.0	73.9
2003		65,598	199	90.5	67.8	74.7
2004		69,025	202	90.3	68.0	74.6
2005		76,197	202	89.6	68.2	74.5
2006		81,110	202	92.0	70.1	76.4
2007		89,220	230	92.5	72.2	77.9
2008		103,841	283	93.0	73.4	78.8
2009		116,809	319	93.5	79.9	83.6
2010		123,680	391	96.1	82.6	86.1
2011		131,456	391	98.5	86.3	89.3
2012		142,230	391	105.1	97.2	99.1
2013		142,230	391	111.1	104.8	106.3
2014		142,230	391	116.0	109.9	111.3
2015		142,230	391	116.1	110.2	111.6
2016		145,106	410	115.7	109.9	111.2
2017		154,720	472	111.8	108.9	109.5
2018		167,164	561	111.5	108.0	108.7
2019		179,380	657	111.7	107.8	108.7
2020		179,380	657	113.3	108.8	109.8
2021		179,380	657	112.2	107.0	108.1
2022		179,380	657	124.0	119.6	120.5
2023 <sup>P</sup>		179,380	657	152.6	152.9	152.8
2024 <sup>P</sup>		179,380	657	159.0	164.0	162.9
2023 <sup>P</sup>	1	179,380	657	140.0	149.2	147.0
	2	179,380	657	148.2	154.2	152.7
	3	179,380	657	145.3	137.7	139.3
	4	179,380	657	140.9	135.0	136.2
	5	179,380	657	144.3	137.5	138.8
	6	179,380	657	157.5	161.8	161.0
	7	179,380	657	169.0	164.9	165.7
	8	179,380	657	166.6	165.9	166.0
	9	179,380	657	158.7	146.9	149.5
	10	179,380	657	150.3	143.0	144.5
	11	179,380	657	151.2	166.5	163.3
	12	179,380	657	158.5	168.2	166.1
2024 <sup>P</sup>	1	179,380	657	157.2	168.2	165.6
	2	179,380	657	157.4	168.2	165.5
	3	179,380	657	153.5	150.4	151.1
	4	179,380	657	148.6	150.3	149.9
	5	179,380	657	154.2	149.9	150.7
	6	179,380	657	161.6	167.3	166.2
	7	179,380	657	170.7	172.9	172.5
	8	179,380	657	169.4	172.5	171.8
	9	179,380	657	163.0	155.3	157.1
	10	179,380	657	152.4	152.9	152.8
	11	179,380	657	153.3	179.1	173.7
	12	179,380	657	161.8	179.4	175.7
2025 <sup>P</sup>	1	179,380	657	159.6	176.5	172.5

1. 국내탄 5급(4,400~4,599kcal/kg) 최고가격 기준

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

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

전등과 동력은 저압과 고압으로 변경

자료: 한국전력공사, 대한석탄협회, 산업통상자원부

1. Based on the highest price of Grade 5 (4,400~4,599kcal/kg) domestic coals

2. Retail shop price including 12.75 KRW transportation cost per unit from briquette manufactories to retail shops, and 5 KRW retail fee per unit

3. After January 2004, labels for number of customers and sales ("Lighting" and "Power") have changed to

"Low Voltage" and "High Voltage," respectively.

Source: KEPCO, Korea Coal Association, Ministry of Trade, Industry and Energy

## 7.3 천연가스 수입가격 및 도시가스 가격

## LNG Import Prices and City Gas Prices

		액화천연가스 <sup>1</sup>		도시가스 <sup>2</sup>			
		LNG <sup>1</sup>		City Gas <sup>2</sup>			
		도입금액 Import Value	단가 Unit price	가정용 <sup>3</sup> Residential <sup>3</sup>	일반용 <sup>4</sup> General <sup>4</sup>	산업용 Industrial	업무난방용 Business heating
		mil. USD	USD/ton	KRW/MJ			
1990		459.5	205.4	-	-	-	-
1995		1,275.3	188.8	-	-	-	-
2000		3,882.3	254.8	-	-	-	-
2002		4,120.2	229.0	-	-	-	-
2003		5,081.9	263.2	-	-	-	-
2004		6,551.6	300.8	-	-	-	-
2005		8,646.5	387.4	-	-	-	-
2006		11,924.9	472.2	-	-	-	-
2007		12,653.3	494.9	-	-	-	-
2008		19,806.1	726.6	-	-	-	-
2009		13,875.0	537.3	-	-	-	-
2010		17,006.0	521.6	-	-	-	-
2011		23,859.3	650.4	-	-	-	-
2012		27,364.5	756.3	-	-	-	-
2013		30,645.1	768.5	20.8	21.7	19.5	21.7
2014		31,402.5	846.3	22.2	23.0	20.7	22.9
2015		18,779.1	562.8	18.3	18.4	16.2	18.8
2016		12,170.0	363.8	15.1	14.8	12.6	15.7
2017		15,615.7	416.0	15.7	15.4	13.3	16.1
2018		23,188.9	526.8	15.1	14.8	13.0	15.4
2019		20,566.6	504.7	15.6	15.5	13.8	16.1
2020		15,716.3	393.1	15.1	14.9	12.6	15.1
2021		25,452.8	554.1	14.2	13.9	14.4	17.2
2022		50,022.2	1,078.2	16.6	16.3	25.9	28.7
2023 <sup>p</sup>		36,048.9	817.1	20.4	20.1	23.3	26.0
2024 <sup>p</sup>		29,271.4	631.8	21.4	21.0	20.8	23.6
2023 <sup>p</sup>	1	6,206.4	1,295.8	19.7	19.5	32.1	34.3
	2	5,611.4	1,102.9	19.7	19.5	31.7	33.8
	3	3,706.0	918.8	19.7	19.5	30.6	32.7
	4	2,201.7	698.9	19.7	19.3	23.6	26.6
	5	2,109.5	679.4	20.7	20.4	20.6	23.5
	6	2,014.4	687.7	20.7	20.4	20.3	23.3
	7	1,622.5	620.6	20.7	20.4	21.1	24.0
	8	2,248.8	660.0	20.7	20.4	19.9	22.8
	9	1,979.0	678.2	20.7	20.4	19.7	22.7
	10	2,133.1	628.5	20.7	20.4	20.5	23.4
	11	2,395.3	644.3	20.7	20.4	18.9	21.8
	12	3,820.6	768.8	20.7	20.6	21.0	23.0
2024 <sup>p</sup>	1	3,455.6	712.1	20.7	20.6	22.9	25.0
	2	2,707.1	644.3	20.7	20.6	20.9	23.0
	3	2,183.5	610.6	20.7	20.6	21.5	23.5
	4	2,549.2	613.0	20.7	20.4	19.1	22.0
	5	2,086.2	582.0	20.7	20.4	20.1	23.3
	6	1,841.5	599.1	20.7	20.4	19.5	23.3
	7	1,842.9	606.0	20.7	20.4	20.1	23.3
	8	2,414.3	626.4	22.3	21.8	21.3	24.1
	9	2,029.3	617.8	22.3	21.8	21.4	24.3
	10	2,850.8	646.2	22.3	21.8	21.0	23.8
	11	2,596.3	648.3	22.3	21.8	20.7	23.5
	12	2,714.7	633.9	22.3	21.8	21.7	24.5
2025 <sup>p</sup>	1	2,683.3	606.6	22.3	21.8	21.2	24.0

1. CIF 기준

2. 서울지역 평균가격(부가세 제외)

3. 취사용 가격

4. 직접적인 영리 목적의 영업활동(목욕탕 등 제외)

자료: 한국무역협회, 한국도시가스협회

1. Based on CIF

2. Average price in Seoul (excluding VAT)

3. Price of city gas used for cooking

4. Business activities for profit excluding public bathhouse

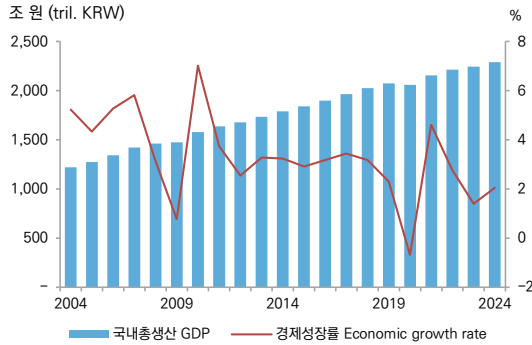
Source: Korea International Trade Association, Korea City Gas Association



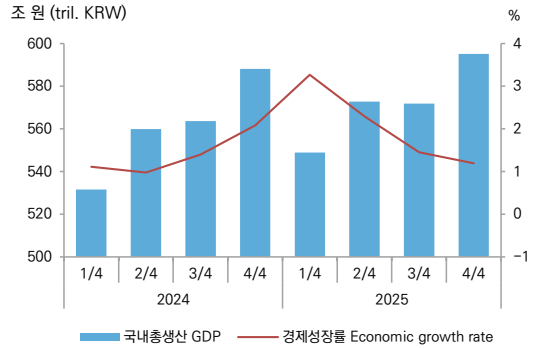


## ● 국내총생산, 경제성장률 GDP and Economic Growth Rate

〈2004~2024〉

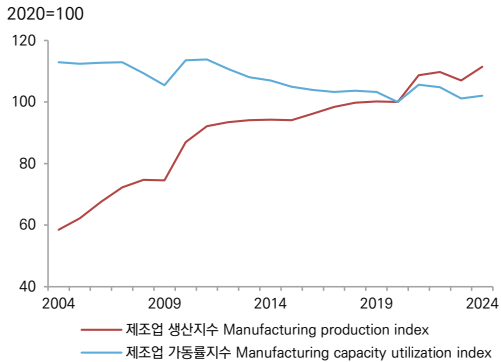


〈2024 1Q~2025 4Q〉

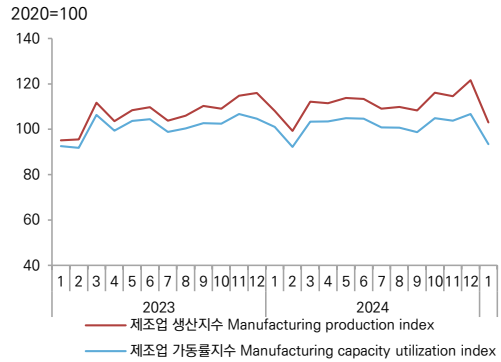


## ● 제조업 생산지수 및 가동률지수 Manufacturing indexes: Production & Utilization

〈2004~2024〉

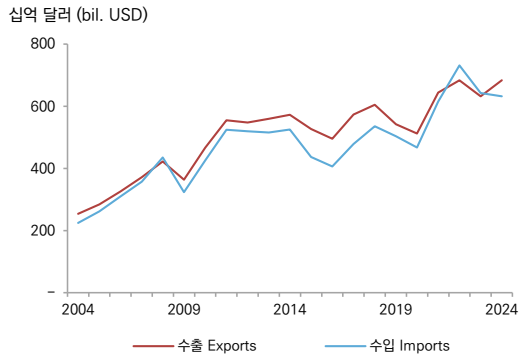


〈2023.1~2025.1〉

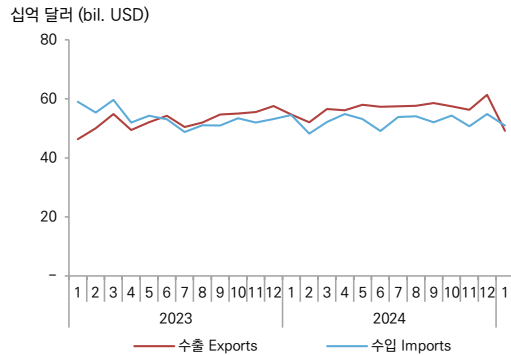


## ● 수출입 Imports and Exports

〈2004~2024〉



〈2023.1~2025.1〉



# 8.1 주요 경제지표

# Major Economic Indicators

		국내총생산 <sup>1</sup> (시장가격)	경제성장률	민간소비 <sup>1</sup>	설비투자 <sup>1</sup>	건설투자 <sup>1</sup>	물가지수	
		GDP at market prices <sup>1</sup>	Economic growth rate	Private consumption <sup>1</sup>	Facilities investment <sup>1</sup>	Construction investment <sup>1</sup>	Price index	
							생산자 Producer	소비자 Consumer
		bil. KRW	%	bil. KRW		2020=100	2020=100	
1990		495,738	10.1	312,289	45,444	145,015	54.2	38.5
1995		750,666	9.8	474,664	82,309	214,727	63.3	52.0
2000		998,289	9.3	576,554	96,500	199,120	76.0	63.2
2002		1,126,429	7.7	665,853	99,376	226,572	75.5	67.5
2003		1,161,063	3.1	664,804	100,827	246,602	77.1	69.9
2004		1,221,249	5.2	668,483	104,774	251,117	81.8	72.4
2005		1,274,473	4.3	700,035	108,551	251,830	83.5	74.4
2006		1,341,320	5.3	734,955	118,163	254,332	84.3	76.1
2007		1,419,679	5.8	774,785	129,545	257,981	85.5	78.0
2008		1,462,332	3.1	788,276	129,848	251,092	92.8	81.7
2009		1,474,321	0.8	789,898	121,413	260,087	92.6	83.9
2010		1,577,253	7.0	825,241	150,390	251,175	96.1	86.4
2011		1,635,423	3.7	850,959	159,613	244,055	102.6	89.9
2012		1,677,088	2.5	865,715	160,535	236,093	103.3	91.8
2013		1,732,287	3.3	881,549	153,870	250,950	101.7	93.0
2014		1,787,975	3.2	899,976	162,753	254,960	101.1	94.2
2015		1,840,189	2.9	923,186	170,534	273,984	97.1	94.9
2016		1,898,551	3.2	948,892	175,789	302,328	95.3	95.8
2017		1,963,732	3.4	976,059	202,926	325,367	98.6	97.6
2018		2,026,102	3.2	1,008,071	198,490	311,791	100.4	99.1
2019		2,072,982	2.3	1,031,986	186,079	307,666	100.5	99.5
2020		2,058,467	-0.7	984,088	194,166	312,971	100.0	100.0
2021		2,153,423	4.6	1,020,878	213,894	312,258	106.4	102.5
2022		2,212,159	2.8	1,063,929	213,159	301,358	115.3	107.7
2023 <sup> P</sup>		2,243,220	1.4	1,082,683	215,405	306,016	117.1	111.6
2024 <sup> P</sup>		2,288,649	2.1	1,095,063	218,959	296,824	119.1	114.2
2023 <sup> P</sup>	1	-	-	-	-	-	116.7	110.1
	2	-	-	-	-	-	116.9	110.3
	3	531,552	1.1	269,879	52,275	63,528	117.1	110.5
	4	-	-	-	-	-	117.0	110.8
	5	-	-	-	-	-	116.5	111.1
	6	559,956	1.0	266,127	56,201	83,533	116.3	111.2
	7	-	-	-	-	-	116.5	111.3
	8	-	-	-	-	-	117.5	112.3
	9	563,643	1.4	271,027	50,442	78,303	118.0	112.9
	10	-	-	-	-	-	117.9	113.3
	11	-	-	-	-	-	117.4	112.7
	12	588,069	2.1	275,650	56,487	80,653	117.6	112.7
2024 <sup> P</sup>	1	-	-	-	-	-	118.2	113.2
	2	-	-	-	-	-	118.6	113.8
	3	548,923	3.3	272,703	51,730	64,535	118.8	114.0
	4	-	-	-	-	-	119.2	114.0
	5	-	-	-	-	-	119.3	114.1
	6	572,793	2.3	268,554	54,820	83,098	119.2	113.8
	7	-	-	-	-	-	119.6	114.1
	8	-	-	-	-	-	119.4	114.5
	9	571,839	1.5	274,802	53,407	73,858	119.2	114.7
	10	-	-	-	-	-	119.0	114.7
	11	-	-	-	-	-	119.1	114.4
	12	595,093	1.2	279,004	59,002	75,334	119.5	114.9
2025 <sup> P</sup>	1	-	-	-	-	-	120.3	115.7

1. 2020년 연쇄가격, 원계열  
자료: 한국은행

1. GDP chained at the 2020 prices, original series  
Source: Bank of Korea

## 8.2 산업생산 지수

## Industrial Production Index

		광공업	제조업						서비스업
			Industrial production	Manufacturing	1차 철강 Basic iron and steel	시멘트 Cement, lime, plaster and its products	기초화학물질 Basic chemicals	수송장비 Motor vehicles, trailers and semitrailers	
		2020=100							
1990		19.8	19.9	36.4	70.7	14.4	20.0	33.8	-
1995		29.9	29.8	56.5	107.5	32.5	42.9	52.7	-
2000		46.4	46.3	69.4	95.0	55.4	55.4	63.0	56.1
2002		50.4	50.1	73.1	108.7	58.3	59.4	70.6	65.2
2003		53.2	52.8	77.8	116.1	60.3	63.3	70.6	65.9
2004		58.7	58.5	80.9	107.9	64.9	70.7	74.8	66.1
2005		62.5	62.2	80.1	97.5	67.5	76.6	77.5	68.5
2006		67.7	67.6	83.4	101.6	70.3	82.8	77.7	72.0
2007		72.4	72.3	87.5	108.5	74.8	87.9	81.2	76.8
2008		74.8	74.7	89.4	104.3	74.3	85.1	86.3	79.5
2009		74.7	74.5	80.1	97.0	78.8	79.6	87.6	81.0
2010		86.9	87.0	97.9	91.2	85.6	98.1	96.4	84.1
2011		92.1	92.2	105.5	93.6	87.0	112.5	97.2	86.8
2012		93.4	93.4	106.5	92.6	90.6	112.3	95.2	88.2
2013		94.0	94.1	106.0	99.4	96.0	113.9	93.5	89.4
2014		94.2	94.3	110.8	96.0	96.8	117.0	95.3	91.5
2015		94.0	94.1	108.6	114.7	98.9	118.5	92.2	94.1
2016		96.0	96.2	110.1	123.7	103.4	115.7	95.4	96.6
2017		98.5	98.4	112.1	125.8	109.2	112.6	98.3	98.4
2018		99.9	99.8	109.1	114.7	109.2	111.3	98.1	100.6
2019		100.3	100.2	106.7	108.2	107.7	110.5	101.0	102.0
2020		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2021		108.5	108.7	105.1	103.4	105.8	105.4	108.2	105.0
2022		109.6	109.7	96.2	101.5	98.9	115.2	111.9	112.3
2023 <sup>P</sup>		106.8	107.0	98.6	96.3	95.3	127.2	111.3	116.1
2024 <sup>P</sup>		111.2	111.5	95.7	83.3	99.3	124.7	103.3	117.4
2023 <sup>P</sup>	1	96.9	95.1	91.1	79.4	100.4	111.9	107.2	109.4
	2	96.3	95.5	94.1	89.3	93.3	123.7	110.8	108.2
	3	111.4	111.7	107.7	110.7	100.0	143.2	123.7	117.5
	4	103.1	103.6	101.4	104.8	95.3	133.0	113.2	113.4
	5	107.6	108.4	103.4	108.4	95.9	136.3	116.6	115.2
	6	108.8	109.7	102.6	107.1	92.7	132.1	118.9	118.9
	7	103.6	103.8	101.2	83.8	98.0	126.6	109.6	115.1
	8	105.8	106.0	97.6	85.9	94.7	116.4	104.7	114.7
	9	109.4	110.3	92.7	89.4	95.3	115.1	107.0	116.4
	10	108.1	109.0	99.4	99.1	88.9	124.8	104.7	115.5
	11	114.3	114.8	96.0	105.8	90.9	133.2	107.3	117.3
	12	116.4	116.0	96.2	91.9	98.2	130.3	111.7	131.0
2024 <sup>P</sup>	1	109.0	108.1	103.9	78.5	102.5	125.9	104.2	113.6
	2	99.8	99.3	91.9	66.4	92.2	109.8	96.5	110.0
	3	112.0	112.1	100.1	87.6	98.5	130.6	104.5	118.8
	4	110.7	111.5	97.0	96.0	98.6	138.0	104.5	116.6
	5	112.9	113.8	93.2	94.6	100.4	133.1	105.3	117.2
	6	112.5	113.3	93.7	90.6	97.3	126.5	107.3	119.0
	7	109.0	109.1	95.3	75.3	102.6	113.2	103.2	116.5
	8	109.9	109.8	96.4	78.7	103.5	116.8	95.1	115.3
	9	107.8	108.3	90.5	71.4	99.2	115.5	98.3	115.1
	10	115.0	116.1	96.2	89.2	100.1	130.4	104.7	117.2
	11	113.9	114.6	95.1	89.5	95.3	124.5	104.2	117.4
	12	121.5	121.6	95.5	82.2	101.5	132.5	112.1	131.5
2025 <sup>P</sup>	1	103.9	103.0	92.9	55.4	99.6	108.5	89.9	112.6

자료: 통계청

Source: Statistics Korea

## 8.3 가동률 지수

## Capacity Utilization Index

		제조업					
		Manufacturing	1차 철강 Basic iron and steel	시멘트 Cement, lime and plaster and its products	기초화학물질 Basic chemicals	수송장비 Motor vehicles, trailers and semitrailers	전기장비 Electrical equipment
		2020=100					
1990		109.9	130.1	164.1	99.1	101.0	92.0
1995		113.7	118.8	164.5	111.0	122.4	115.2
2000		110.1	108.0	124.1	118.0	96.9	102.2
2002		109.8	109.8	142.3	118.7	94.9	107.4
2003		109.8	113.3	142.1	117.9	95.5	99.8
2004		112.9	115.1	126.4	117.7	99.9	100.6
2005		112.4	112.9	111.8	117.5	105.9	104.8
2006		112.7	112.5	113.8	118.3	110.0	105.3
2007		112.9	110.4	119.0	119.3	114.5	103.2
2008		109.3	111.1	112.2	110.2	106.9	101.0
2009		105.4	96.4	106.1	113.3	98.0	99.0
2010		113.6	108.4	98.3	117.5	115.9	108.2
2011		113.8	108.9	100.1	114.6	123.4	104.7
2012		110.7	108.7	100.0	113.6	119.2	101.8
2013		108.0	107.5	105.1	111.1	118.2	97.9
2014		107.0	111.2	98.7	109.0	119.8	97.9
2015		104.9	108.6	107.0	107.1	121.6	98.9
2016		103.9	109.6	114.1	110.2	114.1	101.6
2017		103.2	111.5	114.6	113.4	106.6	102.8
2018		103.7	108.6	115.9	110.8	109.0	101.1
2019		103.3	106.3	109.3	106.6	112.8	102.7
2020		100.0	100.0	100.0	100.0	100.0	100.0
2021		105.6	105.2	107.1	104.5	101.1	108.0
2022		104.8	96.1	109.3	97.7	108.6	108.3
2023 <sup>P</sup>		101.2	98.1	107.8	94.3	112.0	105.9
2024 <sup>P</sup>		102.1	95.5	91.0	97.6	105.4	100.8
2023 <sup>P</sup>							
	1	92.5	90.4	87.3	99.9	103.0	103.5
	2	91.8	93.3	99.8	92.1	111.3	105.2
	3	106.3	107.0	124.5	99.0	124.8	115.5
	4	99.4	100.9	117.6	94.0	116.3	105.7
	5	103.7	103.0	121.7	94.9	118.8	107.7
	6	104.4	102.1	120.1	91.7	114.6	110.2
	7	98.8	100.7	93.9	96.8	111.6	102.3
	8	100.4	97.2	96.2	93.9	102.6	99.7
	9	102.7	92.3	100.2	94.2	101.4	104.8
	10	102.5	98.9	111.9	88.1	109.2	102.8
	11	106.7	95.5	119.3	90.0	116.9	103.6
	12	104.7	95.8	101.2	97.0	114.0	109.7
2024 <sup>P</sup>							
	1	101.0	103.3	86.1	101.0	107.0	101.4
	2	92.2	91.6	73.2	91.2	93.7	94.0
	3	103.3	99.8	96.5	96.9	111.0	102.8
	4	103.4	97.0	105.1	97.7	118.5	101.9
	5	104.9	92.9	103.7	99.0	113.7	102.4
	6	104.7	93.6	98.4	96.1	107.8	105.6
	7	100.8	95.1	81.9	101.7	96.0	101.5
	8	100.7	96.1	85.3	102.5	96.5	92.4
	9	98.7	90.4	77.9	97.0	96.4	95.7
	10	104.9	96.1	97.1	96.7	108.5	101.8
	11	103.8	95.0	97.4	92.6	103.9	101.1
	12	106.7	95.2	89.7	99.3	111.2	108.4
2025 <sup>P</sup>	1	93.4	92.3	60.7	97.9	89.8	88.1

자료: 통계청

Source: Statistics Korea

## 8.4 투자활동지표

## Investment Activity Indices

		설비부문 Facility			건설부문 Construction		
		설비투자지수 Facility investment index	설비용 기계류 내수출하지수 <sup>1</sup> Domestic shipment index of machinery and equipment <sup>1</sup>	기계수주액 <sup>1</sup> (국내수요) Value of domestic machinery orders received <sup>1</sup>	건설기성액 <sup>2</sup> Value of construction completed <sup>2</sup>	국내 건설수주액 <sup>2</sup> Value of domestic construction order received <sup>2</sup>	건축허가면적 Permitted floor area for building construction
		2020=100		bil. KRW		1,000 m <sup>2</sup>	
1990		-	38.1	-	-	20,964	-
1995		41.4	64.5	-	-	49,025	-
2000		55.6	82.3	14,995	45,990	41,778	-
2002		55.4	86.0	16,101	56,216	67,834	137,757
2003		54.1	84.4	14,961	65,553	80,897	142,010
2004		56.2	82.6	16,132	72,838	77,774	118,498
2005		59.5	82.9	15,794	75,831	83,489	111,506
2006		67.0	91.9	18,868	77,839	91,001	133,271
2007		71.6	94.9	22,690	82,939	112,502	150,957
2008		70.0	96.5	20,489	87,032	103,907	120,658
2009		63.3	91.4	18,803	89,819	109,088	105,137
2010		79.6	109.8	19,679	92,276	89,814	125,447
2011		82.4	115.1	21,223	91,717	95,332	137,868
2012		80.0	109.8	17,655	88,713	89,395	137,142
2013		79.4	101.4	19,584	98,089	77,885	127,066
2014		83.6	101.1	23,114	98,491	90,606	141,347
2015		89.3	101.3	21,680	102,614	134,493	189,840
2016		90.7	102.7	22,288	119,971	145,386	178,955
2017		103.9	113.0	26,234	139,039	142,966	171,875
2018		100.0	107.6	27,289	138,417	143,292	160,964
2019		94.4	97.1	25,405	139,311	154,243	144,293
2020		100.0	100.0	26,644	138,513	179,866	147,310
2021		110.4	107.5	35,922	141,285	196,448	173,206
2022		113.3	110.6	37,451	158,830	216,036	181,474
2023 <sup>p</sup>		107.9	104.1	37,626	175,749	176,427	135,080
2024 <sup>p</sup>		111.1	102.7	37,241	170,044	195,738	122,671
2023 <sup>p</sup>	1	94.1	84.7	3,024	12,212	17,819	12,724
	2	98.9	94.1	2,752	12,771	10,960	12,532
	3	115.6	109.8	3,745	15,173	11,748	11,925
	4	110.3	98.8	3,582	14,560	9,484	10,368
	5	109.2	105.1	2,839	14,427	15,353	12,695
	6	120.0	113.7	3,452	16,409	17,772	11,786
	7	100.5	95.5	3,072	13,688	10,324	8,483
	8	97.3	93.8	2,857	14,135	8,227	12,312
	9	103.5	105.9	2,545	14,649	14,050	9,794
	10	105.7	101.0	3,125	14,493	14,192	8,568
	11	111.8	113.6	3,322	15,517	12,786	11,240
	12	128.0	133.2	3,310	17,715	33,713	12,653
2024 <sup>p</sup>	1	97.5	94.1	2,661	14,571	11,529	10,974
	2	97.0	91.9	2,827	13,077	10,986	9,160
	3	109.9	107.7	3,448	14,883	13,815	10,670
	4	109.9	103.6	3,495	14,867	14,627	10,875
	5	104.8	101.8	2,945	14,207	12,833	9,134
	6	113.7	107.6	2,868	15,739	23,983	9,129
	7	121.2	99.5	4,256	13,241	14,592	8,707
	8	104.4	91.7	3,223	12,992	11,034	10,945
	9	110.0	103.2	2,618	12,879	15,725	7,904
	10	109.5	103.4	2,923	13,207	15,607	9,089
	11	113.6	104.6	2,784	13,763	21,473	9,829
	12	141.5	123.1	3,194	16,617	29,534	16,254
2025 <sup>p</sup>	1	94.5	82.6	3,821	10,657	8,638	7,198

1. 선박 제외

2. 경상금액

자료: 통계청

1. Excludes vessels.

2. Current amount

Source: Statistics Korea

# 8.5 국제수지

# Balance of Payments

		수출	수입	경상수지					자본수지
		Exports	Imports	Current account	상품수지	서비스수지	본원소득수지	이전소득수지	Capital account
		mil. USD							
1990		65,016	69,844	-2,804	-3,689	501	-548	932	-
1995		125,058	135,119	-10,230	-7,004	-1,395	-2,122	291	-
2000		172,268	160,481	10,181	15,393	-846	-4,152	-214	38
2002		162,471	152,126	4,066	14,414	-5,826	-2,407	-2,114	-9
2003		193,817	178,827	11,308	22,138	-4,845	-2,820	-3,165	-48
2004		253,845	224,463	29,290	39,173	-5,050	-1,794	-3,038	10
2005		284,419	261,238	12,209	32,493	-8,984	-8,041	-3,258	-1
2006		325,465	309,383	2,095	24,515	-13,040	-4,998	-4,382	-69
2007		371,489	356,846	10,473	32,436	-13,040	-4,537	-4,387	6
2008		422,007	435,275	1,753	11,746	-6,311	-2,416	-1,267	26
2009		363,534	323,085	33,088	48,056	-9,338	-3,436	-2,195	-70
2010		466,384	425,212	27,951	47,932	-13,973	-693	-5,317	-63
2011		555,214	524,413	16,638	28,014	-12,057	5,396	-4,716	-112
2012		547,870	519,584	48,791	48,589	-5,058	10,733	-5,474	-42
2013		559,632	515,586	77,259	80,259	-6,329	7,518	-4,189	-27
2014		572,665	525,515	83,030	86,145	-3,290	5,159	-4,985	-9
2015		526,757	436,499	105,119	120,275	-14,626	4,455	-4,985	-60
2016		495,426	406,193	97,924	116,462	-17,338	4,567	-5,767	-46
2017		573,694	478,478	75,231	113,593	-36,734	5,337	-6,965	-27
2018		604,860	535,202	77,467	110,087	-29,369	4,902	-8,153	317
2019		542,233	503,343	59,676	79,812	-26,845	12,856	-6,147	-169
2020		512,498	467,633	75,902	80,605	-14,670	13,487	-3,519	-386
2021		644,400	615,093	85,228	75,731	-5,287	19,445	-4,661	-155
2022		683,585	731,370	25,829	15,620	-7,253	20,347	-2,885	1
2023 <sup>P</sup>		632,226	642,572	32,822	37,658	-26,824	26,249	-4,261	47
2024 <sup>P</sup>		683,609	631,767	99,043	100,127	-23,702	26,619	-4,002	303
2023 <sup>P</sup>	1	46,339	59,037	-8,928	-7,372	-3,532	2,139	-164	7
	2	49,995	55,370	-1,903	-1,319	-2,334	2,020	-269	-1
	3	54,882	59,636	-1,290	-914	-1,932	1,884	-329	-38
	4	49,431	51,940	-2,427	659	-1,170	-1,855	-61	-53
	5	52,054	54,251	2,093	1,913	-1,166	1,720	-374	75
	6	54,298	53,055	3,900	4,213	-2,668	2,682	-326	47
	7	50,458	48,738	3,727	4,881	-2,574	2,485	-1,064	-26
	8	51,994	51,010	6,143	5,743	-1,542	2,018	-76	-27
	9	54,651	50,973	7,296	8,020	-3,164	2,793	-352	23
	10	54,990	53,441	8,233	5,766	-1,493	4,013	-52	44
	11	55,561	51,998	7,045	7,412	-2,268	2,536	-636	-11
	12	57,573	53,123	8,933	8,658	-2,982	3,816	-559	7
2024 <sup>P</sup>	1	54,710	54,475	3,048	4,355	-2,857	1,694	-144	24
	2	52,076	48,222	6,444	6,921	-1,867	1,797	-408	62
	3	56,518	52,113	6,989	8,391	-2,739	1,880	-543	-6
	4	56,148	54,821	1,486	5,236	-1,787	-1,610	-353	40
	5	58,021	53,133	9,095	8,816	-1,217	1,787	-292	165
	6	57,342	49,090	13,096	12,134	-1,637	2,884	-285	-1
	7	57,459	53,839	9,051	8,516	-2,394	3,040	-111	6
	8	57,643	54,055	6,730	6,707	-1,109	1,577	-445	-3
	9	58,545	52,103	11,288	10,670	-2,105	3,103	-380	-3
	10	57,500	54,332	9,401	8,069	-1,927	3,298	-39	7
	11	56,289	50,719	10,046	9,877	-1,952	2,409	-288	-10
	12	61,359	54,866	12,368	10,434	-2,112	4,760	-714	21
2025 <sup>P</sup>	1	49,182	50,980	2,940	2,500	-2,059	2,615	-117	-7

자료: 한국무역협회, 통계청

Source: Korea International Trade Association, Statistics Korea

## 8.6 자동차 등록대수

	총대수 Total	유종별 Fuel type							
		휘발유 Gasoline	경유 Diesel	액화석유가스 LPG	압축천연가스 CNG	하이브리드 <sup>1</sup> Hybrid <sup>1</sup>	전기 Electricity	기타 <sup>2</sup> Others <sup>2</sup>	수소 Hydrogen
		Thousand unit							
		Unit							
1999	11,164	-	-	-	-	-	-	-	-
2000	12,059	1,831	3,594	1,214	-	-	0	37	-
2001	12,914	1,586	4,030	1,428	-	-	0	39	-
2002	13,949	1,382	4,607	1,625	-	-	0	44	-
2003	14,587	1,246	5,055	1,723	1	-	0	46	-
2004	14,934	1,238	5,385	1,794	5	-	0	48	-
2005	15,397	1,576	5,650	1,890	9	-	0	48	-
2006	15,895	1,942	5,869	2,047	12	-	0	51	-
2007	16,428	2,280	6,087	2,187	15	-	0	53	-
2008	16,794	2,578	6,137	2,321	20	4	-	55	-
2009	17,325	3,008	6,285	2,391	25	5	-	63	-
2010	17,941	8,907	6,483	2,444	29	7	0	71	-
2011	18,437	3,556	6,705	2,429	32	23	0	77	-
2012	18,871	9,276	7,002	2,415	37	57	1	82	-
2013	19,401	9,400	7,396	2,392	40	85	1	87	-
2014	20,118	9,587	7,939	2,337	40	119	3	93	-
2015	20,990	9,809	8,622	2,257	40	156	6	100	29
2016	21,803	10,092	9,170	2,167	39	215	11	109	87
2017	22,528	10,370	9,576	2,105	39	296	25	118	170
2018	23,203	10,629	9,930	2,035	39	387	56	126	893
2019	23,677	10,961	9,958	2,005	38	488	90	133	5,083
2020	24,366	11,410	9,992	1,979	37	650	135	151	10,906
2021	24,911	11,760	9,872	1,946	35	871	231	177	19,404
2022	25,503	12,069	9,758	1,905	33	1,119	390	200	29,623
2023 <sup>P</sup>	25,949	12,314	9,500	1,833	30	1,478	544	216	34,258
2024 <sup>P</sup>	26,298	12,420	9,101	1,850	27	1,951	684	227	37,557
2023 <sup>P</sup>	1	25,556	12,104	9,758	1,900	33	1,141	390	29,689
	2	25,597	12,127	9,747	1,893	33	1,164	401	30,548
	3	25,647	12,157	9,719	1,886	32	1,196	422	31,476
	4	25,680	12,186	9,685	1,880	32	1,223	437	31,805
	5	25,709	12,206	9,654	1,874	32	1,255	451	32,168
	6	25,757	12,232	9,631	1,868	32	1,290	465	32,484
	7	25,795	12,250	9,614	1,861	32	1,319	479	32,896
	8	25,808	12,259	9,588	1,853	31	1,345	488	33,213
	9	25,846	12,280	9,566	1,848	31	1,375	501	33,501
	10	25,870	12,291	9,541	1,841	31	1,404	516	33,796
	11	25,918	12,307	9,520	1,836	31	1,444	532	34,046
	12	25,949	12,314	9,500	1,833	30	1,478	544	34,258
2024 <sup>P</sup>	1	25,993	12,330	9,480	1,834	30	1,522	546	34,268
	2	26,020	12,339	9,460	1,836	30	1,555	547	34,535
	3	26,054	12,351	9,421	1,839	30	1,593	568	34,872
	4	26,070	12,365	9,369	1,842	29	1,632	579	35,162
	5	26,096	12,378	9,328	1,846	29	1,668	592	35,542
	6	26,134	12,390	9,300	1,849	29	1,703	607	35,987
	7	26,163	12,401	9,265	1,851	28	1,738	621	36,394
	8	26,172	12,399	9,232	1,851	28	1,767	636	36,787
	9	26,203	12,407	9,201	1,850	28	1,808	647	36,979
	10	26,233	12,412	9,164	1,851	28	1,853	661	37,395
	11	26,274	12,421	9,134	1,850	27	1,900	677	37,482
	12	26,298	12,420	9,101	1,850	27	1,951	684	37,557
2025 <sup>P</sup>	1	26,326	12,431	9,075	1,851	27	1,990	686	37,563

1. 하이브리드: 휘발유+전기

2. 기타: 등유, 알코올, 태양열, LNG, 하이브리드(경유+전기, LPG+전기, CNG+전기, LNG+전기), 수소전기, 기타연료 포함

자료: 국토교통부

## Registered Motor Vehicles

용도별 Vehicle usage			차종별 Vehicle type					
영업용 Commercial	관용 Government	자가용 Private	승용 Passenger	승합 Buses	화물 Trucks	특수 Special		
Thousand unit								
564	50	10,550	7,837	993	2,298	35		1999
620	50	11,389	8,084	1,427	2,511	37		2000
669	52	12,194	8,889	1,257	2,728	39		2001
723	53	13,173	9,737	1,275	2,894	42		2002
751	55	13,781	10,279	1,247	3,016	45		2003
767	57	14,111	10,621	1,204	3,062	47		2004
784	58	14,555	11,122	1,125	3,102	48		2005
817	59	15,019	11,607	1,106	3,133	49		2006
871	61	15,496	12,100	1,105	3,171	52		2007
911	62	15,821	12,484	1,097	3,160	53		2008
930	64	16,330	13,024	1,081	3,167	54		2009
974	66	16,901	13,632	1,050	3,204	56		2010
1,011	69	17,357	14,136	1,015	3,226	59		2011
1,052	71	17,747	14,577	987	3,244	63		2012
1,126	73	18,202	15,078	971	3,286	66		2013
1,213	75	18,830	15,747	947	3,354	70		2014
1,290	78	19,623	16,562	920	3,433	75		2015
1,378	80	20,345	17,338	893	3,492	80		2016
1,458	86	20,984	18,035	868	3,540	86		2017
1,573	90	21,540	18,677	844	3,591	91		2018
1,677	92	21,908	19,178	812	3,593	95		2019
1,750	94	22,522	19,861	784	3,615	106		2020
1,828	96	22,987	20,411	750	3,632	119		2021
1,903	98	23,502	20,953	724	3,696	130		2022
1,923	100	23,926	21,390	695	3,726	138		2023 <sup>P</sup>
1,961	101	24,237	21,771	666	3,717	144		2024 <sup>P</sup>
1,902	98	23,556	20,999	722	3,704	131	1	2023 <sup>P</sup>
1,901	98	23,598	21,032	721	3,712	131	2	
1,901	98	23,648	21,077	718	3,720	132	3	
1,903	98	23,679	21,115	714	3,718	133	4	
1,907	99	23,703	21,147	711	3,717	133	5	
1,912	99	23,746	21,197	708	3,718	134	6	
1,915	99	23,781	21,231	706	3,723	135	7	
1,915	99	23,794	21,248	703	3,721	135	8	
1,919	99	23,828	21,287	701	3,721	136	9	
1,919	99	23,852	21,313	698	3,722	137	10	
1,920	99	23,899	21,359	696	3,726	137	11	
1,923	100	23,926	21,390	695	3,726	138	12	
1,924	100	23,968	21,430	693	3,732	139	1	2024 <sup>P</sup>
1,923	100	23,997	21,454	691	3,735	139	2	
1,924	100	24,030	21,492	688	3,734	140	3	
1,927	100	24,043	21,519	684	3,727	140	4	
1,932	100	24,064	21,551	681	3,724	141	5	
1,937	100	24,097	21,590	679	3,725	141	6	
1,941	101	24,122	21,620	676	3,725	142	7	
1,942	101	24,129	21,633	674	3,723	142	8	
1,948	101	24,153	21,667	672	3,721	143	9	
1,954	101	24,177	21,700	670	3,720	143	10	
1,958	101	24,215	21,744	668	3,718	143	11	
1,961	101	24,237	21,771	666	3,717	144	12	
1,964	101	24,261	21,799	665	3,718	144	1	2025 <sup>P</sup>

1. Hybrid: Gasoline + Electricity

2. Includes kerosene, alcohol, solar heat, LNG, Hybrid (Diesel + Electricity, LPG + Electricity, CNG + Electricity, LNG + Electricity), FCEV and other fuels.

Source: Ministry of Land, Infrastructure and Transport

## 8.7 냉난방도일

## Heating and Cooling Degree Days

		평균기온 (서울·경기)	난방도일(18℃) (서울·경기)	냉방도일(24℃) (서울·경기)	평균기온 (전국)	난방도일(18℃) (전국)	냉방도일(24℃) (전국)
		Average temperature (Capital region)	Heating degree day (Capital region)	Cooling degree day (Capital region)	Average temperature (National)	Heating degree day (National)	Cooling degree day (National)
		℃	degree day		℃	degree day	
1990		12.3	2,672.6	96.0	13.1	2,469.0	132.9
1995		11.7	2,858.5	93.4	12.0	2,739.6	113.4
2000		12.1	2,879.6	133.3	12.5	2,657.5	103.1
2002		12.1	2,707.1	54.8	12.6	2,512.0	56.2
2003		12.2	2,655.1	25.0	12.5	2,510.5	23.3
2004		12.6	2,615.0	90.3	13.2	2,413.5	101.1
2005		11.7	2,949.7	89.2	12.3	2,749.0	109.1
2006		12.5	2,606.2	93.9	12.9	2,437.1	98.5
2007		12.7	2,571.9	76.8	13.2	2,384.7	96.6
2008		12.6	2,650.3	76.7	12.9	2,510.8	107.4
2009		12.4	2,662.7	57.4	13.0	2,418.3	44.4
2010		11.9	2,972.0	131.6	12.7	2,711.0	152.1
2011		11.7	2,937.7	82.8	12.4	2,694.8	97.4
2012		11.8	3,020.3	148.6	12.3	2,772.8	133.2
2013		11.9	2,991.0	132.3	12.9	2,665.8	174.6
2014		12.7	2,599.3	74.6	13.1	2,415.3	58.2
2015		13.1	2,513.7	103.4	13.4	2,298.0	82.3
2016		13.2	2,615.5	183.8	13.6	2,386.8	154.1
2017		12.4	2,758.6	131.2	13.1	2,517.1	132.7
2018		12.4	2,843.3	228.3	13.0	2,597.8	209.0
2019		12.9	2,609.4	139.7	13.4	2,370.9	120.4
2020		12.6	2,612.3	83.6	13.0	2,448.0	85.2
2021		13.0	2,585.1	147.6	13.3	2,404.7	101.3
2022		12.4	2,767.5	144.7	12.9	2,567.1	141.9
2023 <sup>P</sup>		13.2	2,551.5	159.2	13.7	2,347.8	133.6
2024 <sup>P</sup>		14.0	2,397.4	247.3	14.5	2,215.9	243.5
2023 <sup>P</sup>	1	-2.2	627.7	-	-0.6	576.1	-
	2	1.5	461.4	-	2.5	433.9	-
	3	8.6	290.5	-	9.4	267.6	-
	4	13.0	151.4	-	13.1	148.3	-
	5	18.3	30.0	-	17.9	32.1	-
	6	22.4	-	9.0	22.3	-	2.6
	7	25.8	-	55.9	25.5	-	47.9
	8	26.4	-	81.8	26.4	-	76.5
	9	22.8	-	12.5	22.6	-	6.6
	10	14.7	102.7	-	14.7	101.6	-
	11	6.5	348.1	-	7.9	303.3	-
	12	0.6	539.7	-	2.4	484.9	-
2024 <sup>P</sup>	1	-0.9	586.2	-	0.9	531.4	-
	2	3.2	428.7	-	4.1	403.0	-
	3	6.4	360.0	-	6.9	344.1	-
	4	15.1	89.2	-	14.9	92.3	-
	5	17.5	36.0	-	17.7	31.9	-
	6	23.1	-	9.6	22.7	-	5.7
	7	25.9	-	61.2	26.2	-	69.3
	8	28.3	-	132.2	27.9	-	121.7
	9	24.6	-	44.3	24.7	-	46.8
	10	15.8	69.8	-	16.1	62.1	-
	11	8.9	272.7	-	9.7	248.6	-
	12	0.1	554.8	-	1.8	502.5	-
2025 <sup>P</sup>	1	-1.4	601.0	-	-0.2	563.6	-

자료: 기상청

Source: Korea Meteorological Administration

## 8.8 국제 에너지 가격

## International Energy Prices

		호주 뉴캐슬 연료탄	두바이 원유	브렌트 원유	서부텍사스 원유	유럽 천연가스 (네덜란드 TTF)	미국 천연가스 (미국 Henry Hub)	일본 LNG 수입 단가
		Newcastle Thermal Coal	Dubai Crude Oil	Brent Crude Oil	WTI Crude Oil	European Natural Gas (Netherlands TTF)	U.S. Natural Gas (Henry Hub)	Japan LNG Import Price
		USD/ton	USD/bbl			USD/MMBtu		
1990		39.7	20.5	23.7	24.5	2.8	1.7	3.6
1995		39.4	16.1	17.1	18.4	2.7	1.7	3.4
2000		26.3	26.1	28.3	30.3	3.9	4.3	4.7
2002		25.3	23.7	25.0	26.1	3.1	3.4	4.3
2003		26.1	26.7	28.9	31.1	3.9	5.5	4.7
2004		52.9	33.5	38.3	41.4	4.3	5.9	5.1
2005		47.6	49.3	54.4	56.4	6.3	8.9	6.0
2006		49.1	61.4	65.4	66.0	8.5	6.7	7.1
2007		65.7	68.4	72.7	72.3	8.6	7.0	7.7
2008		127.1	93.8	97.6	99.6	13.4	8.9	12.5
2009		71.8	61.8	61.9	61.7	8.7	4.0	8.9
2010		99.0	78.1	79.6	79.4	8.3	4.4	10.8
2011		121.4	106.0	110.9	95.1	10.5	4.0	14.7
2012		96.4	108.9	112.0	94.2	11.5	2.8	16.6
2013		84.6	105.4	108.9	97.9	11.8	3.7	16.0
2014		70.1	96.7	98.9	93.1	10.1	4.4	16.0
2015		58.9	51.2	52.4	48.7	6.8	2.6	10.9
2016		66.1	41.2	44.0	43.2	4.6	2.5	7.4
2017		88.5	53.1	54.4	50.9	5.7	3.0	8.6
2018		107.0	69.2	71.1	64.8	7.7	3.2	10.7
2019		77.9	63.2	64.0	57.0	4.8	2.6	10.6
2020		60.8	42.2	42.3	39.3	3.2	2.0	8.3
2021		138.1	68.8	70.4	68.0	16.1	3.9	10.8
2022		344.9	97.0	99.8	94.4	40.3	6.4	18.4
2023 <sup>P</sup>		172.8	82.0	82.6	77.7	13.1	2.5	14.4
2024 <sup>P</sup>		136.1	79.7	80.7	75.8	11.0	2.2	12.8
2023 <sup>P</sup>	1	318.0	80.0	83.1	78.1	20.2	3.3	20.2
	2	207.5	81.2	82.7	76.8	16.5	2.4	18.4
	3	187.2	77.5	78.5	73.4	13.8	2.3	16.0
	4	194.3	83.8	84.1	79.4	13.5	2.2	14.4
	5	160.5	75.1	75.7	71.6	10.1	2.1	13.4
	6	139.4	74.7	74.9	70.2	10.4	2.2	12.7
	7	140.6	80.5	80.1	76.4	9.5	2.6	13.0
	8	152.6	86.6	86.2	81.4	11.2	2.6	12.5
	9	162.5	93.1	94.0	89.6	11.5	2.6	12.2
	10	142.1	90.6	91.1	85.6	14.6	3.0	12.6
	11	126.8	83.5	83.2	77.4	14.5	2.7	12.7
	12	141.8	77.2	77.9	72.1	11.5	2.5	14.4
2024 <sup>P</sup>	1	124.9	78.9	80.2	73.9	9.6	3.2	14.3
	2	124.2	81.2	83.8	76.7	8.1	1.7	13.6
	3	131.5	84.7	85.4	80.5	8.6	1.5	13.2
	4	135.0	89.4	90.1	84.6	9.1	1.6	11.9
	5	142.0	83.5	82.0	78.8	10.1	2.1	12.2
	6	135.1	82.2	82.6	78.9	10.9	2.5	12.1
	7	137.6	83.9	85.3	80.5	10.3	2.1	12.5
	8	145.8	78.0	80.9	75.6	12.4	2.0	13.3
	9	139.2	73.4	74.3	69.6	11.8	2.3	13.0
	10	146.6	74.7	75.7	71.6	12.9	2.2	12.5
	11	142.1	72.8	74.4	69.7	13.9	2.1	12.8
	12	129.8	73.3	73.8	69.8	13.9	3.0	12.6
2025 <sup>P</sup>	1	118.6	80.1	79.2	75.1	14.7	4.1	13.2

자료: 세계은행

Source: World Bank Group





## A. 에너지 단위

- 리터( $\ell$ , 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  $\ell$
- 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. 매년 발간되는 에너지통계연보는 확장밸런스를 기준으로 작성됨.

#### ■ 간이밸런스 (Simple balance)

간이밸런스는 한 달을 집계 대상 기간으로 에너지 상품의 수급 추이를 신속히 파악하여 통계를 제공하기 위해 작성됨. 매월 발간되는 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 상품으로서 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 상품으로서 해외에 수송된 에너지 상품을 의미. 에너지 상품의 해외 수송을 위한 수송 수단에서 사용된 연료는 국제 bunker에 포함함. 에너지 상품의 국내 총공급을 구하기 위해서는 에너지 상품의 수출량을 삭감해야 함. 이를 위해 에너지 상품의 수출은 음의 부호로 표시되며, 공급에서 차감됨.

#### ■ 국제해운벙커링 (International marine bunkers)

국가 사이를 운항 중인 선박에서 소비하는 석유는 화물의 일부가 아니라 연료로 사용되는 것으로, 국적에 상관없이 국제해운벙커링에 포함됨. 국제 항해를 하는 해군 선박에 공급되는 석유도 국제해운벙커링에 해당됨. 하지만 원양 어선의 연료로 사용되는 석유는 국제해운벙커링이 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, 전환과정, 전환자체소비(에너지산업 자체소비), 손실의 합계임.

### 전환과정 (Transformation processes)

전환과정이란 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 (Coking 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 국내의 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

석유정제의 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 디왁싱할 때 추출되는 잔여물임. 주로 양초, 파라핀지, 방수제, 약용, 크레용원료 등으로 사용됨.

### ■ 석유코크 (Petroleum coke)

석유코크는 검정색의 고체 부산물로, 주로 석유제품을 크래킹하고 남는 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 시간 대에 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.

**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 지표로서 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 미국석유회회(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.

**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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