

약어 및 부호 Abbreviations and Conventional Signs

kcal : Kilocalorie(킬로 칼로리)

GWh : Gigawatt hour(기가와트아워)

MWh : Megawatt hour(메가와트아워)

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

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

- Nil(없음)

p Preliminary(잠정값)

... Not available(해당없음)

e Estimate(추정값)

열량환산계수 적용안내

에너지법 시행규칙 제5조제1항에 의거

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



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1. 일러두기 Explanatory Notes

1. 에너지밸런스 개정에 따른 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 balances)와 에너지상품의 수급 흐름을 신속히 파악하는 것을 목적으로 한 달을 집계 기간으로 작성되는 간이밸런스(Simple balances)로 구성됨.
 - 구에너지밸런스: 에너지상품 29개, 에너지흐름 41개
 - 개정에너지밸런스(확장): 에너지상품 58개, 에너지흐름 88개
 - 개정에너지밸런스(간이): 에너지상품 41개, 에너지흐름 48개
- 에너지밸런스 변경 승인이 완료됨에 따라 에너지경제연구원은 에너지통계월보 2022년 12월호부터 개정된 에너지밸런스를 기준으로 작성된 통계량을 반영하여 발표함.
 - 에너지통계월보는 매월 집계되는 간이에너지밸런스를 기준으로 작성됨.
- 개정된 에너지밸런스의 구성요소와 구조는 부록의 'B. 간이에너지밸런스 용어'를 참고

2. 과거 에너지밸런스 재검증에 따른 통계량의 변화

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

3. 에너지수급통계 작성 개요

가. 통계작성 근거

- 에너지법 제19조(에너지 관련 통계의 관리·공표)

나. 통계작성 승인 내용

- 통계의 명칭 : 에너지수급통계
- 통계작성기관 : 에너지경제연구원(<http://www.keei.re.kr>)
- 통계의 종류 : 일반, 보고통계
- 작성주기 : 매월
- 통계작성 승인번호 : 제339001호(2002.04.02.)
- 통계작성 목적 : 에너지 수요와 공급에 영향을 미치는 여러가지 요인을 비교분석함으로써 에너지 수요전망, 에너지효율 분석 등 각종 에너지정책 수립을 위한 연구의 기초자료로 활용

1. 일러두기 Explanatory Notes

다. 연혁

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

라. 작성 방법

- “에너지통계의 작성 등에 관한 규정”(산업통상자원부 고시 제2025-96호) 제8조의 에너지수급통계 작성기관에서 매월 생산 및 판매실적을 보고 받아, 제6조에 따라 전문기관인 에너지경제연구원에서 에너지밸런스 및 국가에너지수급 관련 통계를 작성
※ 에너지수급통계 작성 체계 참조

마. 작성 내용

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

바. 결과 공표

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

1. 일러두기 Explanatory Notes

사. 에너지수급통계 작성 체계



2. 단위 및 열량환산표 Unit Conversion Factors

가. 부피

Units	m ³	cm ³	liter	in ³	ft ³	미gal	영gal	bbl
1 m ³	1	10 ⁶	10 ³	6.102374×10 ⁴	35.31467	264.1721	219.969	6.2892
1 cm ³	10 ⁻⁶	1	10 ⁻³	0.06102374	3.531467×10 ⁻⁵	2.641721×10 ⁻⁴	2.19969×10 ⁻¹	0.62892×10 ⁻⁵
1 liter	10 ⁻³	1000	1	61.02374	0.03531467	0.2641721	0.219969	6.2892×10 ⁻³
1 in ³	1.638706×10 ⁻⁵	16.38706	0.01638706	1	5.787037×10 ⁻⁴	4.329004×10 ⁻³	3.60465×10 ⁻³	0.10306×10 ⁻³
1 ft ³	2.831685×10 ⁻²	28316.85	28.31685	1728	1	7.480520	6.2288	0.178
1 gal(U.S)	3.785412×10 ⁻³	3785.412	3.785412	231	0.1336806	1	0.83268	0.023809
1 gal(U.K)	0.004561	4546.1	4.5461	277.42	0.160544	1.20094	1	0.028571
bbl	0.158988	158988	158.988	9.702	5.6146	42	34.9726	1

나. 무게

Units	g	kg	oz	lb	metric Ton	Short Ton(미)	Long Ton(영)
1 g	1	10 ⁻³	0.03527396	2.204623×10 ⁻³	10 ⁻⁶	1.102311×10 ⁻⁶	9.842×10 ⁻⁷
1 kg	1000	1	35.27396	2.204623	10 ⁻³	1.102311×10 ⁻³	9.842×10 ⁻⁴
1 oz(avdp)	28.34952	0.02834952	1	0.0625	2.834952×10 ⁻⁵	5×10 ⁻¹	2.790×10 ⁻⁵
1 lb(avdp)	453.5924	0.4535924	16	1	4.535924×10 ⁻⁴	0.0005	4.464×10 ⁻⁴
1 metric Ton	10 ⁶	1000	35273.96	2204.623	1	1.102311	0.9842
1 Ton(U.S)	907184.7	907.1847	32000	2000	0.9071847	1	0.8927
1 Ton(U.K)	1016.0×10 ³	1016.0	35.838×10 ³	2240.143	1.0160	1.1200	1

다. 에너지

Units	EJ	Gcal	Mtoe	MBtu	bcme	GWh
EJ	1	2.388×10 ⁸	23.88	9.478×10 ⁸	27.78	2.778×10 ⁵
Gcal	4.1868×10 ⁻⁹	1	10 ⁻⁷	3.968	1.163×10 ⁻⁷	1.163×10 ⁻³
Mtoe	4.1868×10 ⁻²	10 ⁷	1	3.968×10 ⁷	1.163	11.630
MBtu	1.0551×10 ⁻⁹	0.252	2.52×10 ⁻⁸	1	2.932×10 ⁻⁸	2.931×10 ⁻⁴
bcme	0.036	8.60×10 ⁶	0.86	3.41×10 ⁷	1	9.999
GWh	3.6×10 ⁻⁶	860	8.6×10 ⁻⁵	3.412	1×10 ⁻⁴	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	μ	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 ⁻³ toe)	MJ	kcal	석유환산톤 (10 ⁻³ toe)	
석유 (18종)	원유	kg	45.7	10,920	1.092	42.8	10,220	1.022
	휘발유	ℓ	32.4	7,750	0.775	30.1	7,200	0.720
	등유	ℓ	36.6	8,740	0.874	34.1	8,150	0.815
	경유	ℓ	37.8	9,020	0.902	35.3	8,420	0.842
	바이오디젤	ℓ	34.7	8,280	0.828	32.3	7,730	0.773
	B-A유	ℓ	39.0	9,310	0.931	36.5	8,710	0.871
	B-B유	ℓ	40.6	9,690	0.969	38.1	9,100	0.910
	B-C유	ℓ	41.8	9,980	0.998	39.3	9,390	0.939
	프로판(LPG1호)	kg	50.2	12,000	1.200	46.2	11,040	1.104
	부탄(LPG3호)	kg	49.3	11,790	1.179	45.5	10,880	1.088
	나프타	ℓ	32.2	7,700	0.770	29.9	7,140	0.714
	용제	ℓ	32.8	7,830	0.783	30.4	7,250	0.725
	항공유	ℓ	36.5	8,720	0.872	34.0	8,120	0.812
	아스팔트	kg	41.4	9,880	0.988	39.0	9,330	0.933
	윤활유	ℓ	39.6	9,450	0.945	37.0	8,830	0.883
	석유코크스	kg	34.9	8,330	0.833	34.2	8,170	0.817
	부생연료유1호	ℓ	37.3	8,900	0.890	34.8	8,310	0.831
	부생연료유2호	ℓ	39.9	9,530	0.953	37.7	9,010	0.901
가스 (3종)	액화천연가스(LNG)	kg	54.7	13,080	1.308	49.4	11,800	1.180
	도시가스(LNG)	Nm ³	42.7	10,190	1.019	38.5	9,190	0.919
	도시가스(LPG)	Nm ³	63.4	15,150	1.515	58.3	13,920	1.392
석탄 (7종)	국내무연탄	kg	19.7	4,710	0.471	19.4	4,620	0.462
	연료용 수입무연탄	kg	23.0	5,500	0.550	22.3	5,320	0.532
	원료용 수입무연탄	kg	25.8	6,170	0.617	25.3	6,040	0.604
	연료용 유연탄(역청탄)	kg	24.6	5,860	0.586	23.3	5,570	0.557
	원료용 유연탄(역청탄)	kg	29.4	7,030	0.703	28.3	6,760	0.676
	아역청탄	kg	20.6	4,920	0.492	19.1	4,570	0.457
코크스	kg	28.6	6,840	0.684	28.5	6,810	0.681	
전기 등 (3종)	전기(발전기준)	kWh	8.9	2,130	0.213	8.9	2,130	0.213
	전기(소비기준)	kWh	9.6	2,290	0.229	9.6	2,290	0.229
	신탄	kg	18.8	4,500	0.450	-	-	-

- 주 1) "총발열량"이란 연료의 연소과정에서 발생하는 수증기의 잠열을 포함한 발열량을 말한다.
- 2) "순발열량"이란 연료의 연소과정에서 발생하는 수증기의 잠열을 제외한 발열량을 말한다.
- 3) "석유환산톤"(toe: Ton of oil equivalent)이란 원유 1톤이 갖는 열량으로 10⁷kcal을 말한다.
- 4) 석탄의 발열량은 인수식을 기준으로 한다.
- 5) 최종에너지사용자가 사용하는 전기에너지를 열에너지로 환산할 경우에는 1kWh=860kcal을 적용한다.
- 6) 1cal=4.1868J, Nm³은 0°C 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

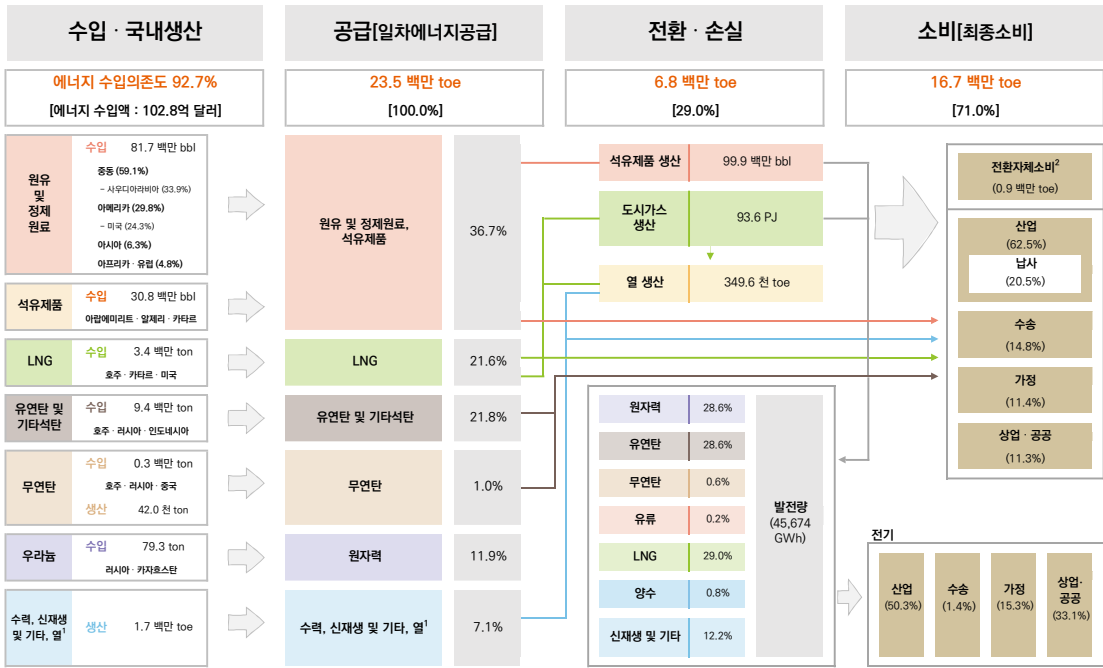
에너지원	단위	총발열량(kcal)								'17년 대비 열량 증감	
		1980	1981	1987	1990	2007	2012	2017	2022		
석유 (18종)	원유	kg	10,000	10,000	10,000	10,000	10,750	10,730	10,750	10,920	↑ 170
	휘발유	ℓ	8,300	8,300	8,300	8,300	8,000	7,780	7,810	7,750	↓ 60
	등유(실내)	ℓ	8,700	8,700	8,700	8,700	8,800	8,790	8,770	8,740	↓ 30
	등유(보일러)						8,950				
	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					
	항공유(JP-4)	ℓ	-	8,500	8,500	8,500	8,750	8,730	8,720	8,720	-
	항공유(AVI-G)	ℓ	-	8,700	8,700	8,700					
	아스팔트	kg	-	-	-	(10,000)	9,900	9,910	9,890	9,880	↓ 10
	윤활유	ℓ	-	-	-	(9,400)	9,250	9,500	9,550	9,450	↓ 100
석유코크스	kg	-	-	-	(10,800)	8,100	8,000	8,360	8,330	↓ 30	
부생연료유1호	ℓ	-	-	-	-	8,850	8,800	8,860	8,900	↑ 40	
부생연료유2호	ℓ	-	-	-	-	9,700	9,550	9,530	9,530	-	
가스 (3종)	액화천연가스(LNG)	kg	-	9,500	12,980	13,000	13,000	13,040	13,060	13,080	↑ 20
	도시가스(LNG)	Nm ³	7,000	7,000	7,000	10,500	10,550	10,430	10,290	10,190	↓ 100
	도시가스(LPG)	Nm ³	-	-	-	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						5,020	5,060	5,500	↑ 440
	원료용 수입 무연탄	kg				6,000	6,550	5,900	6,020	6,170	↑ 150
	연료용 유연탄(역청탄)	kg					6,200	6,160	5,920	5,860	↓ 60
	원료용 유연탄(역청탄)	kg	6,600	6,600	6,600	6,600	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

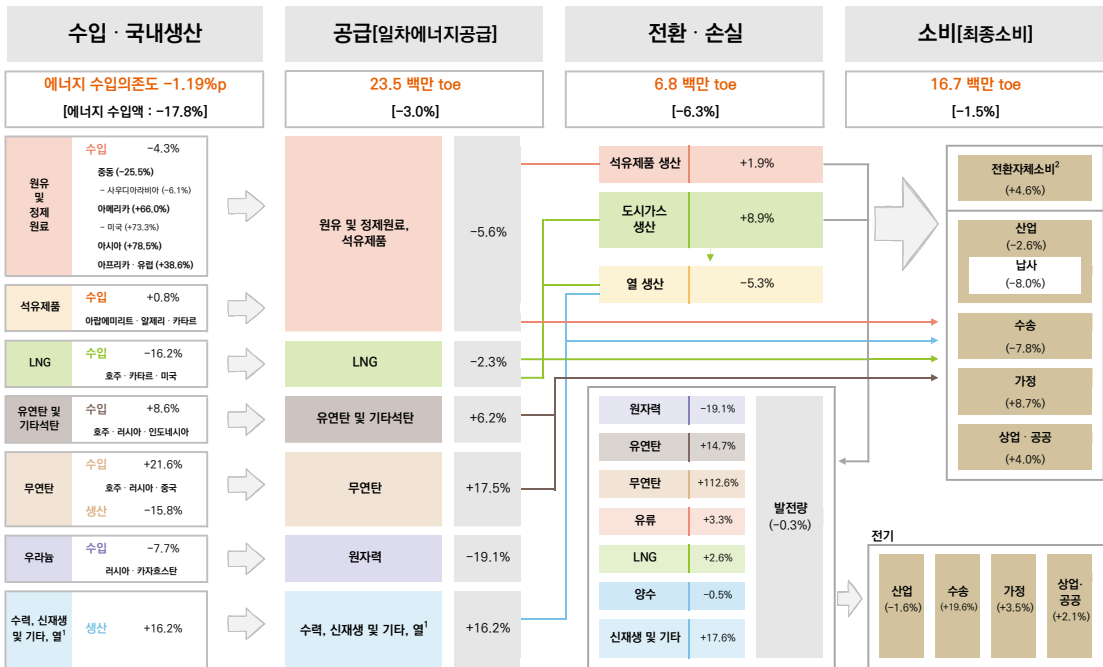
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1. 에너지개요 및 일차에너지 Energy Overview and Total Primary Energy	005
2. 최종소비 Total Final Consumption	023
3. 석탄 Coal	039
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2025년 11월 에너지 플로우

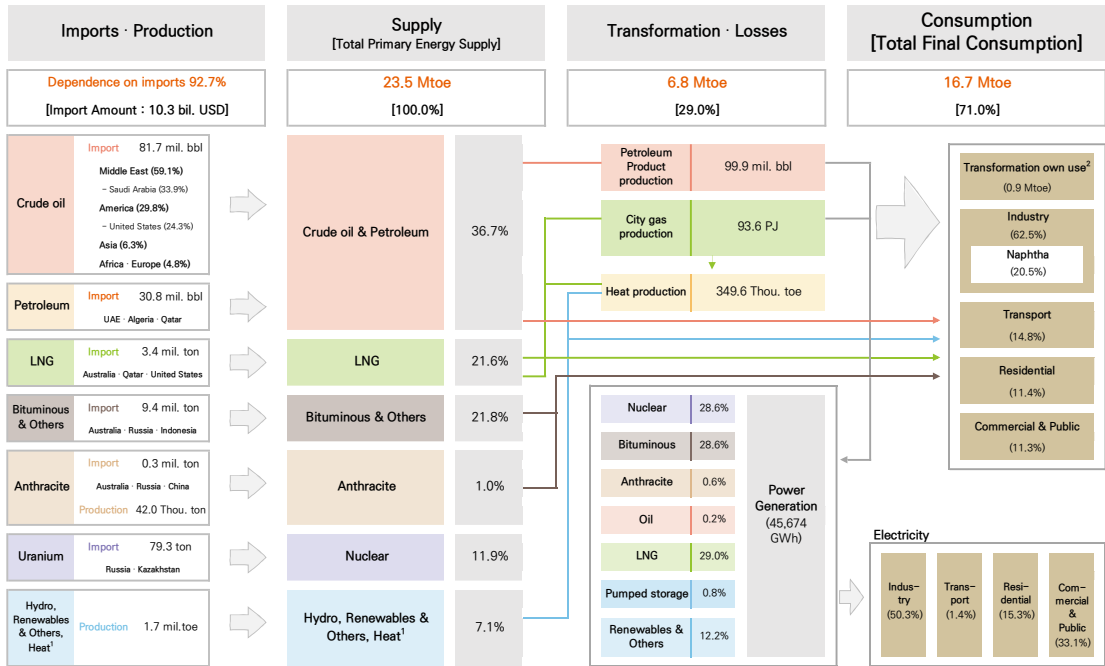


2025년 11월 에너지 플로우 (전년 동월 대비)

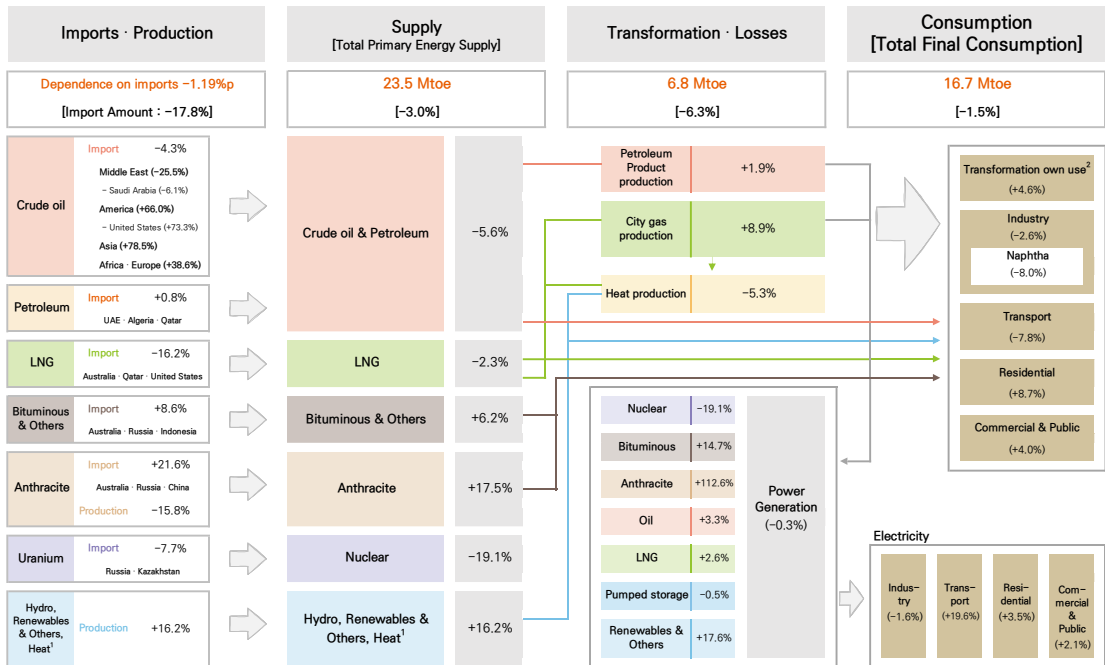


1. 신재생 및 기타에너지는 1) 바이오 및 폐기물, 2) 지열, 태양 및 기타로 구성됨.
2. 전환자체소비는 에너지생산 플랜트의 활동을 유지하는데 사용되는 에너지 상품을 의미함. 다른 에너지 상품으로 전환되지 않기 때문에 전환공정과 구별되며, 산업활동을 위한 에너지소비인 최종소비 산업부문에 포함되지 않음

November 2025 Energy Flow



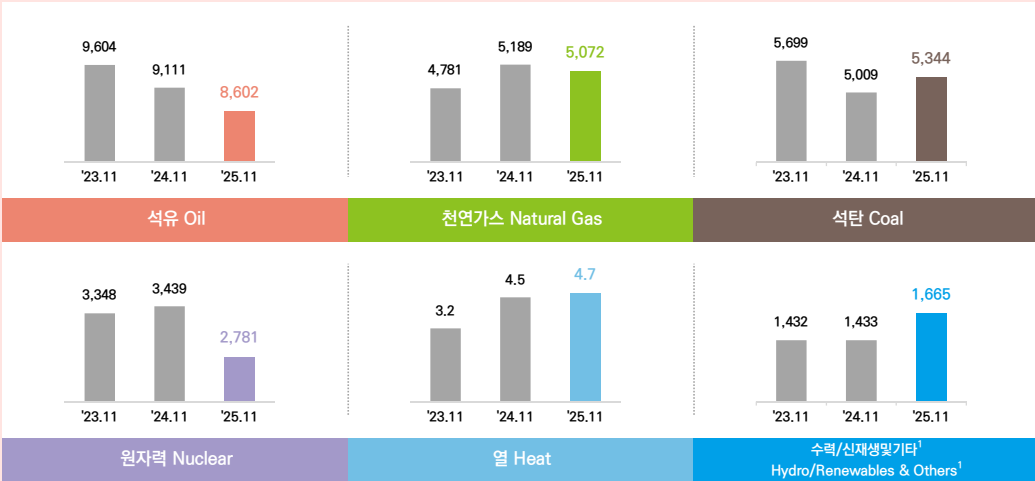
November 2025 Energy Flow (Year-on-Year)



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.

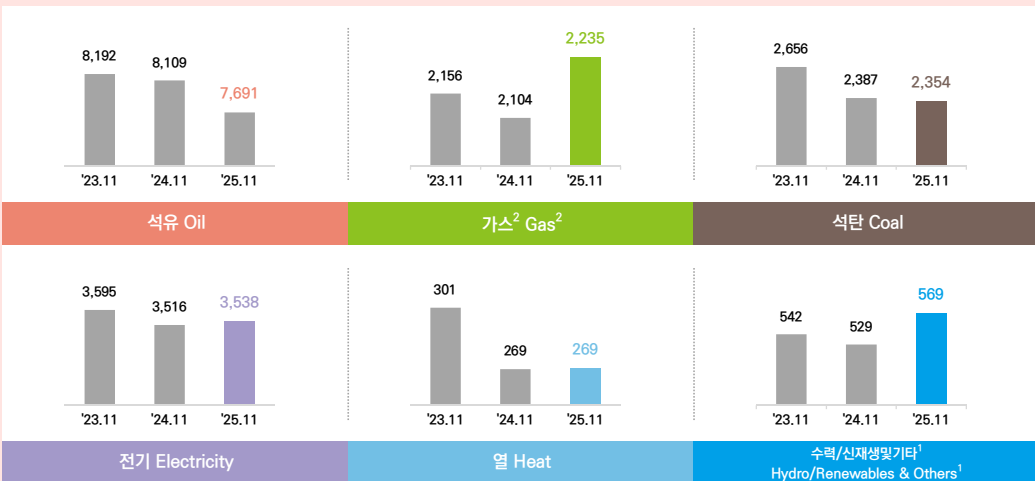
일차에너지공급 Total Primary Energy Supply

(단위: 1,000 toe)



최종소비 Total Final Consumption

(단위: 1,000 toe)

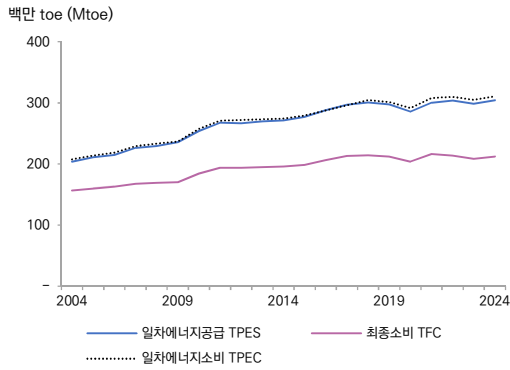


1. 신재생 및 기타에너지는 1) 바이오및폐기물, 2) 지열, 태양및기타로 구성
2. 가스는 1) 천연가스, 2) 도시가스로 구성

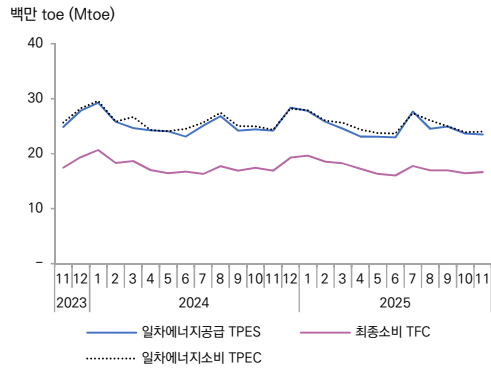
1. Renewables & Others consist of 1) Biofuels and waste, 2) Geothermal, solar, etc.
2. Gas consist of 1) Natural gas, 2) City gas.

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

〈2004~2024〉

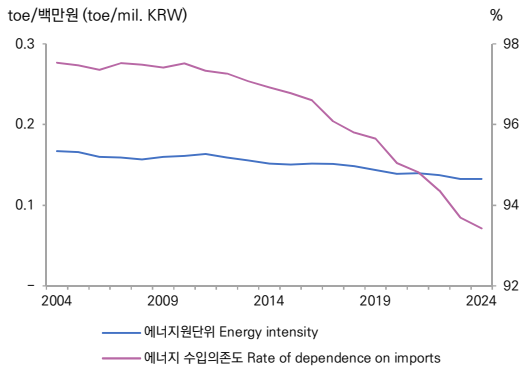


〈2023.11~2025.11〉

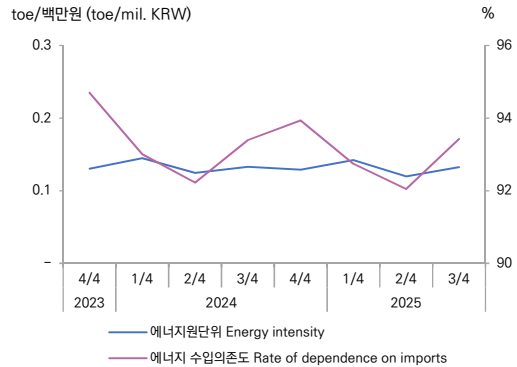


● 에너지원단위, 에너지 수입의존도 Energy Intensity, Energy dependence on imports

〈2004~2024〉

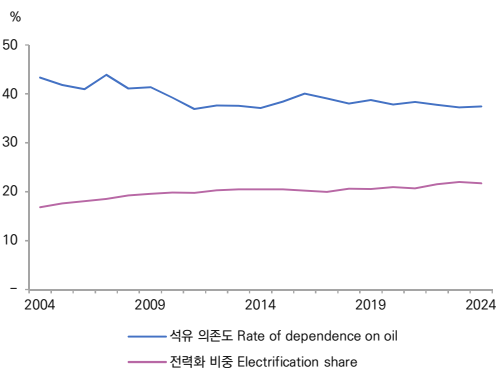


〈2023 4Q~2025 3Q〉

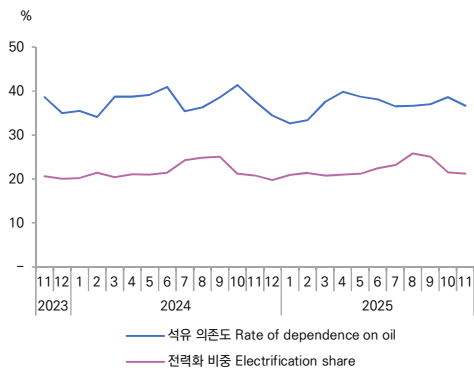


● 석유 의존도, 전력화 비중 Rate of Dependence on Oil, Electrification Share

〈2004~2024〉



〈2023.11~2025.11〉



1.1 주요 에너지지표

Principal Energy Indicators

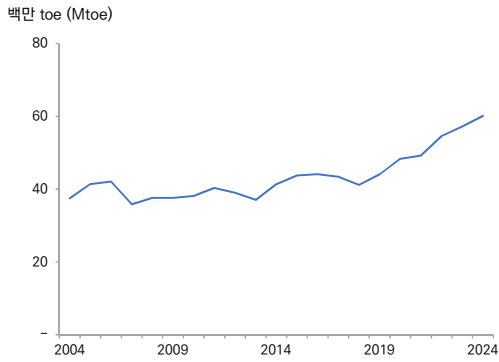
		일차에너지공급	일차에너지소비	최종소비	에너지원단위 ¹	에너지수입액	에너지 수입의존도 ²	석유 의존도	전력화 비중
		TPES	TPEC	TFC	TPES/GDP ¹	Energy imports value	Rate of dependence on imports ²	Rate of dependence on oil	Electrification share
		1,000 toe			toe/mil. KRW	mil USD	%		
1990		89,264	89,359	71,133	0.180	8,209	89.1	53.1	11.2
1995		145,595	144,201	116,507	0.194	18,643	97.7	60.3	11.9
2000		182,689	183,063	141,000	0.183	37,622	97.8	49.5	14.4
2002		195,940	197,462	150,319	0.174	31,997	97.9	47.0	15.7
2003		200,903	203,687	154,107	0.173	37,982	97.6	45.8	16.1
2004		203,941	207,560	156,559	0.167	49,039	97.5	43.3	16.8
2005		211,297	213,670	159,700	0.166	66,238	97.5	41.8	17.6
2006		214,578	218,408	162,883	0.160	84,905	97.4	41.0	18.1
2007		226,297	229,084	167,623	0.159	94,306	97.5	43.9	18.6
2008		228,957	233,273	169,049	0.157	139,298	97.5	41.1	19.2
2009		235,717	236,876	170,068	0.160	90,259	97.4	41.4	19.5
2010		253,862	257,493	184,372	0.161	120,478	97.5	39.2	19.8
2011		267,206	270,645	193,576	0.163	170,497	97.3	36.9	19.8
2012		266,625	271,924	193,597	0.159	182,287	97.3	37.7	20.3
2013		269,532	273,047	194,844	0.156	176,561	97.1	37.6	20.5
2014		271,253	274,245	195,773	0.152	170,140	96.9	37.2	20.5
2015		276,794	279,345	198,704	0.150	100,433	96.8	38.4	20.4
2016		287,905	287,808	206,217	0.152	79,953	96.6	40.1	20.2
2017		296,713	296,194	213,148	0.151	107,921	96.1	39.1	20.0
2018		300,791	304,474	214,407	0.148	143,285	95.8	38.0	20.6
2019		297,568	301,517	212,133	0.144	124,844	95.7	38.8	20.6
2020		285,551	291,484	203,932	0.139	85,455	95.0	37.8	21.0
2021		300,365	307,796	216,245	0.139	135,935	94.8	38.4	20.7
2022		303,807	309,897	213,481	0.137	216,387	94.4	37.7	21.5
2023		298,138	304,934	208,506	0.133	171,376	93.7	37.2	22.0
2024 ^p		304,255	310,555	212,348	0.133	161,345	93.4	37.4	21.7
2023	11	24,867	25,645	17,443	-	14,145	94.1	38.6	20.6
	12	27,800	28,245	19,351	0.130	15,367	94.7	35.0	20.0
2024 ^p	1	29,234	29,584	20,655	-	15,438	94.4	35.4	20.2
	2	25,789	25,828	18,285	-	13,794	94.4	34.1	21.5
	3	24,633	26,658	18,635	0.145	13,336	93.0	38.7	20.4
	4	24,259	24,277	17,037	-	14,267	93.0	38.7	21.1
	5	24,103	24,098	16,436	-	14,077	92.5	39.1	21.0
	6	23,110	24,517	16,743	0.125	12,236	92.2	40.9	21.4
	7	25,086	25,638	16,301	-	12,899	93.1	35.4	24.2
	8	26,835	27,438	17,721	-	14,834	93.1	36.2	24.9
	9	24,195	25,007	16,895	0.133	12,120	93.4	38.5	25.1
	10	24,437	24,981	17,432	-	13,138	93.9	41.4	21.2
	11	24,184	24,337	16,913	-	12,506	93.9	37.7	20.8
	12	28,389	28,191	19,294	0.129	12,700	93.9	34.4	19.8
2025 ^p	1	27,792	27,855	19,670	-	13,541	94.0	32.6	20.9
	2	25,788	25,978	18,560	-	11,551	93.2	33.3	21.4
	3	24,548	25,632	18,223	0.142	11,958	92.7	37.5	20.8
	4	23,106	24,367	17,251	-	11,690	91.8	39.8	21.0
	5	23,053	23,745	16,302	-	11,524	92.2	38.7	21.2
	6	22,968	23,659	16,037	0.120	10,140	92.0	38.1	22.5
	7	27,643	27,344	17,742	-	11,602	92.8	36.5	23.1
	8	24,512	26,022	16,977	-	12,556	92.3	36.6	25.8
	9	24,929	24,971	16,988	0.132	11,279	93.4	37.0	25.0
	10	23,663	23,927	16,426	-	11,759	93.5	38.6	21.5
	11	23,468	23,995	16,656	-	10,280	92.7	36.7	21.2
2024 ^p	1-11	275,866	282,364	193,054	0.134	148,645	93.3	37.8	22.0
2025 ^p	1-11	271,470	277,494	190,831	0.131	127,881	92.8	36.9	22.2

1. 월별 수치는 분기 자료임
2. 원자력 발전 포함

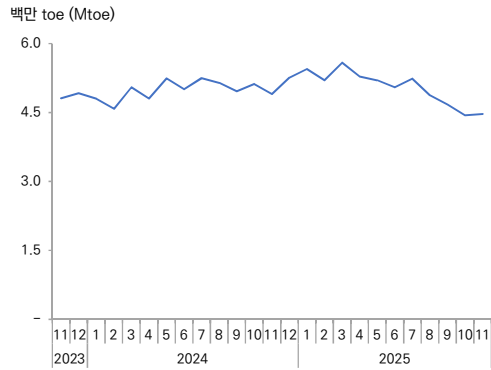
1. Monthly figures are on quarterly basis.
2. Includes nuclear power.

● 에너지 생산 Energy Production

〈2004~2024〉

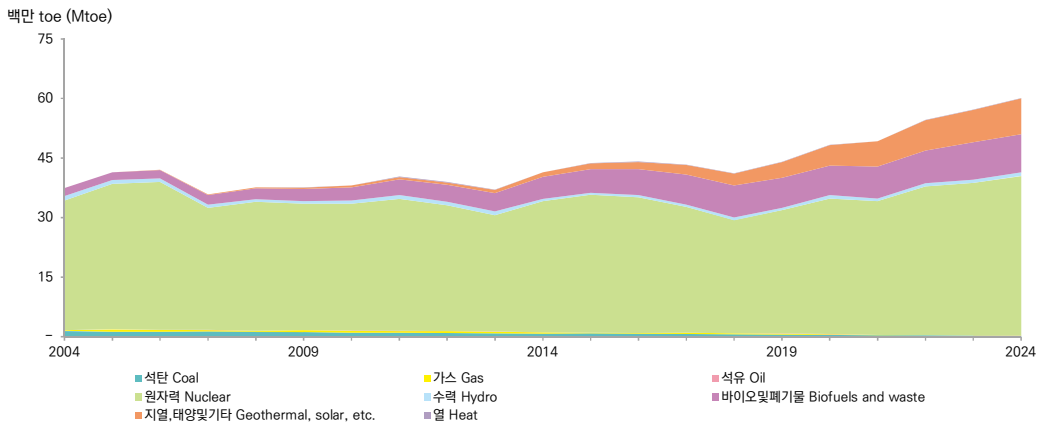


〈2023.11~2025.11〉

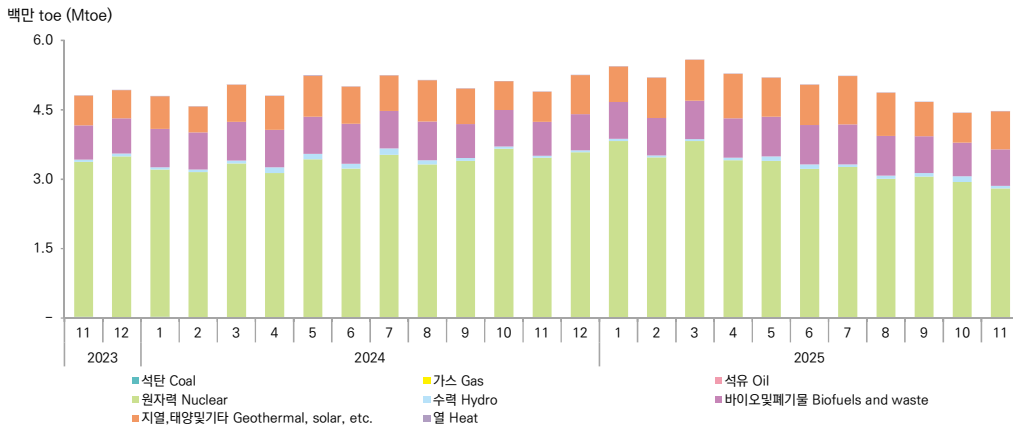


● 에너지원별 생산 Energy Production by Source

〈2004~2024〉



〈2023.11~2025.11〉



1.2 에너지 생산

Energy Production

		합계 Total	석탄 ¹ Coal ¹	가스 ² Gas ²	석유 ³ Oil ³	원자력 Nuclear	수력 Hydro	바이오및폐기물 Biofuels and waste	지열,태양및기타 Geothermal, solar, etc.	열 Heat
		1,000 toe								
1990		22,144	7,748	-	-	13,222	1,171	-	-	3
1995		20,339	2,574	-	-	16,757	690	315	-	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		57,180	304	-	-	38,445	792	9,404	8,200	35
2024 ^p		60,118	256	-	-	40,205	916	9,620	9,050	71
2023	11	4,813	29	-	-	3,348	49	740	644	3
	12	4,924	23	-	-	3,472	59	761	607	2
2024 ^p	1	4,799	25	-	-	3,187	47	828	705	8
	2	4,582	19	-	-	3,135	53	803	567	5
	3	5,047	23	-	-	3,320	61	834	803	6
	4	4,806	23	-	-	3,113	123	809	732	6
	5	5,244	21	-	-	3,413	111	804	890	6
	6	5,006	20	-	-	3,212	101	863	805	6
	7	5,249	21	-	-	3,511	136	806	769	6
	8	5,146	20	-	-	3,303	84	840	892	7
	9	4,965	18	-	-	3,375	64	733	768	6
	10	5,118	21	-	-	3,637	50	787	619	5
	11	4,900	24	-	-	3,439	43	737	654	5
	12	5,256	22	-	-	3,560	45	776	847	6
2025 ^p	1	5,445	17	-	-	3,811	47	798	765	7
	2	5,203	20	-	-	3,457	41	806	875	5
	3	5,584	16	-	-	3,806	43	834	879	6
	4	5,282	17	-	-	3,393	52	853	960	5
	5	5,202	16	-	-	3,384	92	860	843	6
	6	5,048	14	-	-	3,208	94	853	873	7
	7	5,237	13	-	-	3,249	62	857	1,050	6
	8	4,877	15	-	-	2,997	66	854	938	7
	9	4,675	18	-	-	3,036	85	792	738	6
	10	4,438	12	-	-	2,929	123	724	646	5
	11	4,472	20	-	-	2,781	57	787	823	5
2024 ^p	1-11	54,862	234	-	-	36,644	871	8,843	8,204	65
2025 ^p	1-11	55,463	179	-	-	36,051	763	9,017	9,389	65

1. 무연탄

2. 동해-1 가스전 생산량(2021년 12월 31일 생산 종료)

3. 원유 및 정제원료

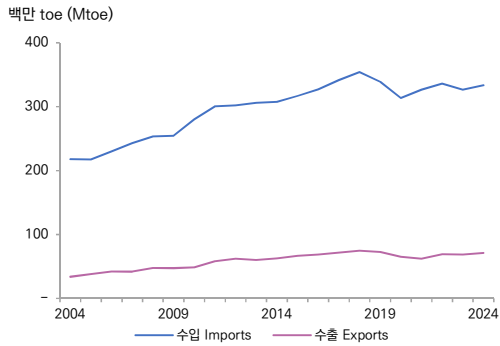
1. Anthracite

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

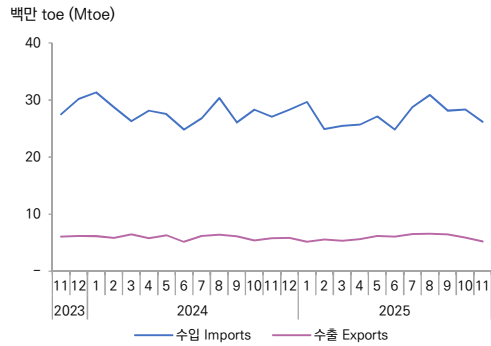
3. Crude oil and refinery feedstocks

● 에너지 수출입 Energy Imports and Exports

〈2004~2024〉

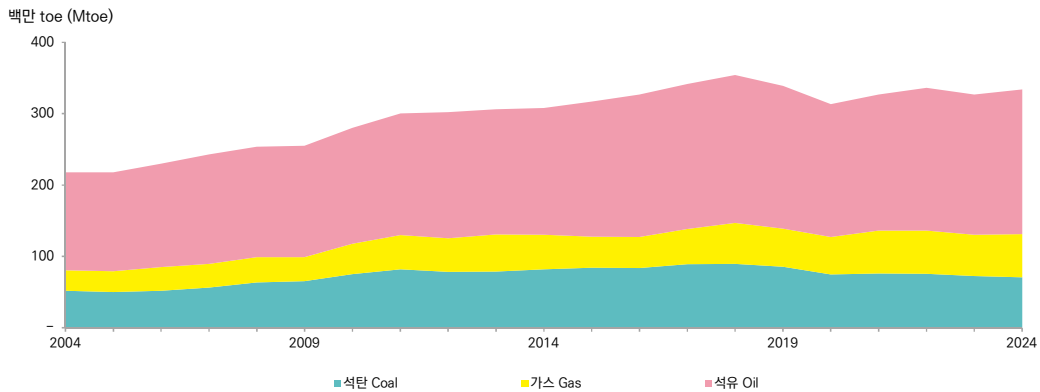


〈2023.11~2025.11〉

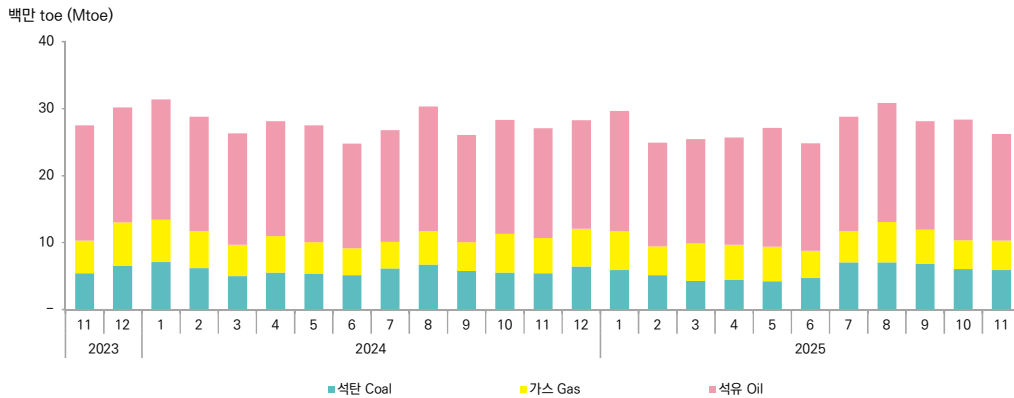


● 에너지원별 수입 Energy Imports by Source

〈2004~2024〉



〈2023.11~2025.11〉



1.3 에너지 수출입

Energy Imports and Exports

	수입 Imports				수출 Exports			순수입 (A-B) Net imports	
	합계 (A) Total	석탄 Coal	가스 ¹ Gas ¹	석유 ² Oil ²	합계 (B) Total	석탄 ³ Coal ³	석유 ² Oil ²		
	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	43,891	3	43,888	166,300	
2002	207,800	46,058	23,390	138,352	34,078	1	34,077	173,722	
2003	210,798	47,109	25,101	138,588	30,083	1	30,082	180,715	
2004	217,781	51,995	28,316	137,470	33,865	7	33,858	183,916	
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	41,822	9	41,813	188,241	
2007	243,214	56,340	33,240	153,635	41,889	9	41,880	201,326	
2008	253,725	63,723	35,436	154,566	47,926	26	47,900	205,799	
2009	254,895	65,216	33,568	156,111	47,315	4	47,311	207,580	
2010	280,300	75,340	42,384	162,576	48,993	8	48,985	231,307	
2011	300,430	82,125	47,690	170,615	58,513	41	58,472	241,917	
2012	302,105	78,261	47,184	176,660	62,166	20	62,146	239,939	
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	313,516	74,875	52,217	186,424	65,398	110	65,287	248,119	
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	326,760	72,434	57,705	196,621	68,758	0	68,757	258,002	
2024 ^p	333,730	70,452	60,584	202,695	71,233	1	71,233	262,497	
2023	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 ^p	1	31,335	7,076	6,347	17,912	6,131	0	6,131	25,205
	2	28,760	6,219	5,496	17,045	5,843	0	5,843	22,917
	3	26,290	5,025	4,678	16,587	6,454	0	6,454	19,836
	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	26,793	6,128	3,978	16,687	6,164	0	6,164	20,629
	8	30,350	6,730	5,041	18,579	6,387	0	6,387	23,963
	9	26,049	5,752	4,289	16,009	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	28,292	6,464	5,602	16,226	5,838	0	5,838	22,453
2025 ^p	1	29,647	5,884	5,784	17,979	5,173	0	5,173	24,474
	2	24,905	5,135	4,333	15,436	5,537	0	5,537	19,368
	3	25,465	4,299	5,564	15,602	5,310	0	5,310	20,155
	4	25,689	4,482	5,223	15,984	5,608	0	5,608	20,081
	5	27,109	4,213	5,195	17,701	6,192	0	6,191	20,917
	6	24,825	4,698	4,044	16,083	6,060	0	6,060	18,765
	7	28,759	7,053	4,711	16,996	6,490	0	6,490	22,269
	8	30,871	7,055	6,026	17,789	6,570	0	6,570	24,301
	9	28,117	6,886	5,059	16,172	6,451	0	6,451	21,666
	10	28,344	6,069	4,305	17,971	5,898	0	5,898	22,446
	11	26,184	5,944	4,384	15,856	5,211	0	5,210	20,973
2024 ^p	1-11	305,439	63,988	54,982	186,469	65,395	0	65,394	240,044
2025 ^p	1-11	299,914	61,718	54,626	183,570	64,500	0	64,500	235,414

1. 천연가스

2. 원유 및 정제원료, 석유제품

3. 코크스 등 석탄 및 석탄제품

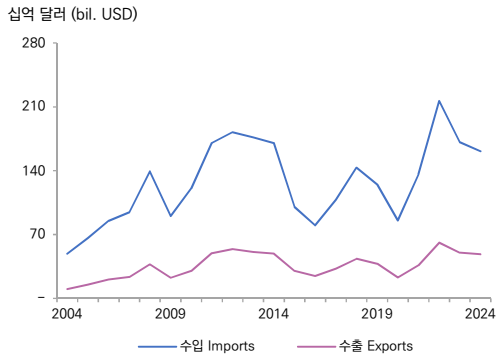
1. Natural gas

2. Crude oil, refinery feedstocks and petroleum products

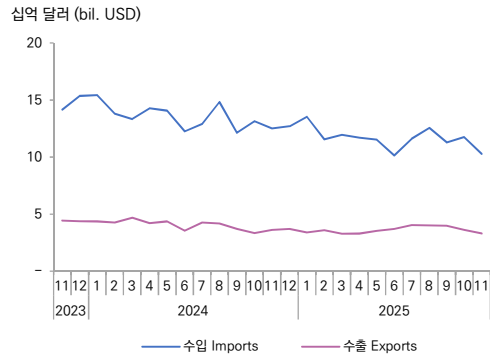
3. Coal and coal products including coke oven coke

● 에너지 수출입액 Energy Import and Export Values

〈2004~2024〉

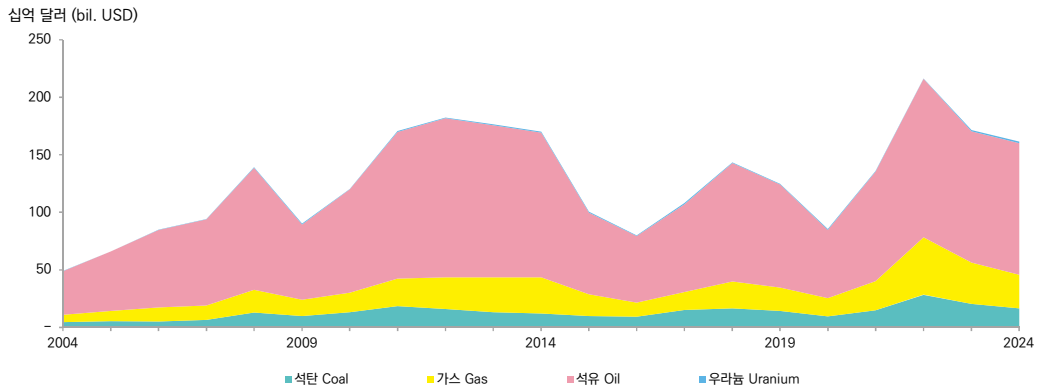


〈2023.11~2025.11〉

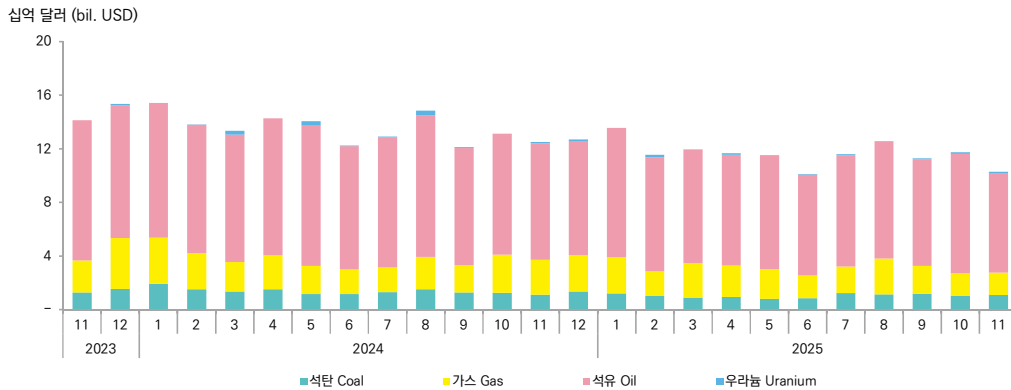


● 에너지원별 수입액 Import Values by Energy Source

〈2004~2024〉



〈2023.11~2025.11〉



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 ¹ Coal ¹	가스 ² Gas ²	석유 ³ Oil ³	우라늄 Uranium	합계 Total	석탄 ¹ Coal ¹	석유 ³ Oil ³		
	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	171,376	20,178	36,049	114,109	1,040	50,238	0	50,238	26.7	
2024 ^P	161,345	16,488	29,276	114,243	1,338	48,201	1	48,201	25.5	
2023	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 ^P	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	12,236	1,160	1,846	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 ^P	1	13,541	1,227	2,683	9,631	0	3,388	0	3,388	26.5
	2	11,551	1,020	1,846	8,485	200	3,579	0	3,579	23.9
	3	11,958	884	2,605	8,436	34	3,283	0	3,283	22.4
	4	11,690	935	2,364	8,257	135	3,289	0	3,289	22.0
	5	11,524	806	2,221	8,498	-	3,520	0	3,520	22.9
	6	10,140	857	1,686	7,534	63	3,711	0	3,711	20.0
	7	11,602	1,248	1,986	8,279	88	4,032	0	4,032	21.4
	8	12,556	1,133	2,671	8,752	0	4,007	0	4,007	24.2
	9	11,279	1,194	2,062	7,947	75	3,998	0	3,998	20.0
	10	11,759	1,018	1,692	8,895	154	3,620	0	3,620	22.0
	11	10,280	1,103	1,673	7,431	73	3,302	0	3,302	20.0
2024 ^P	1-11	148,645	15,117	26,561	105,733	1,234	44,501	0	44,501	25.8
2025 ^P	1-11	127,881	11,424	23,488	92,145	823	39,729	0	39,728	22.3

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

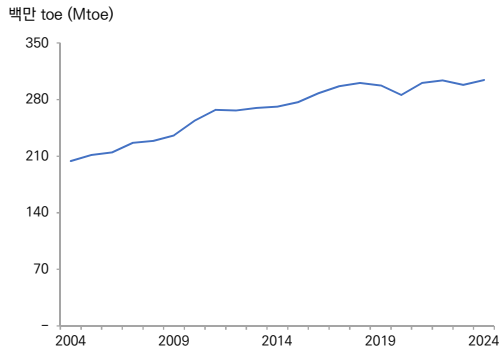
2. Natural gas

3. Crude oil, refinery feedstocks and petroleum products

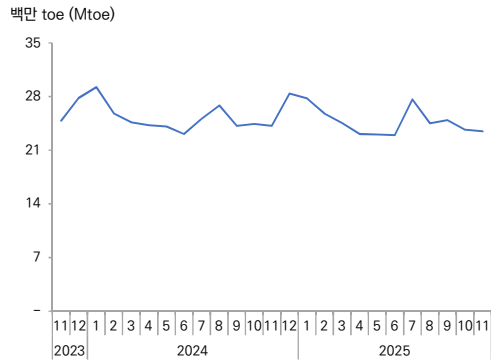
Source: Korea International Trade Association, Korea National Oil Corporation-PEDSIS

● 일차에너지공급 Total Primary Energy Supply

〈2004~2024〉

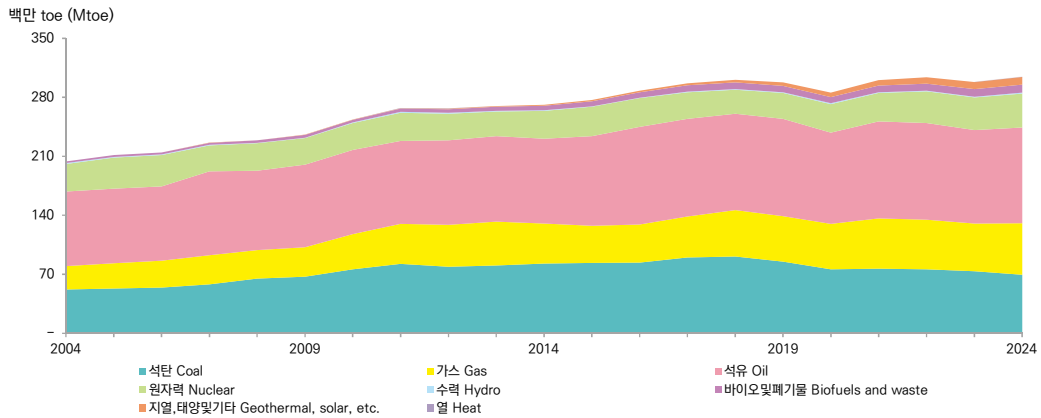


〈2023.11~2025.11〉

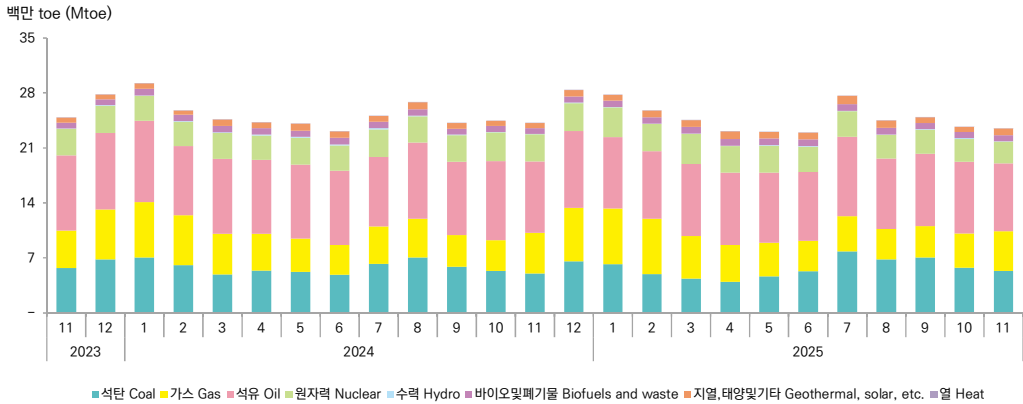


● 에너지원별 일차에너지공급 Total Primary Energy Supply by Source

〈2004~2024〉



〈2023.11~2025.11〉



1.5 일차에너지공급

Total Primary Energy Supply

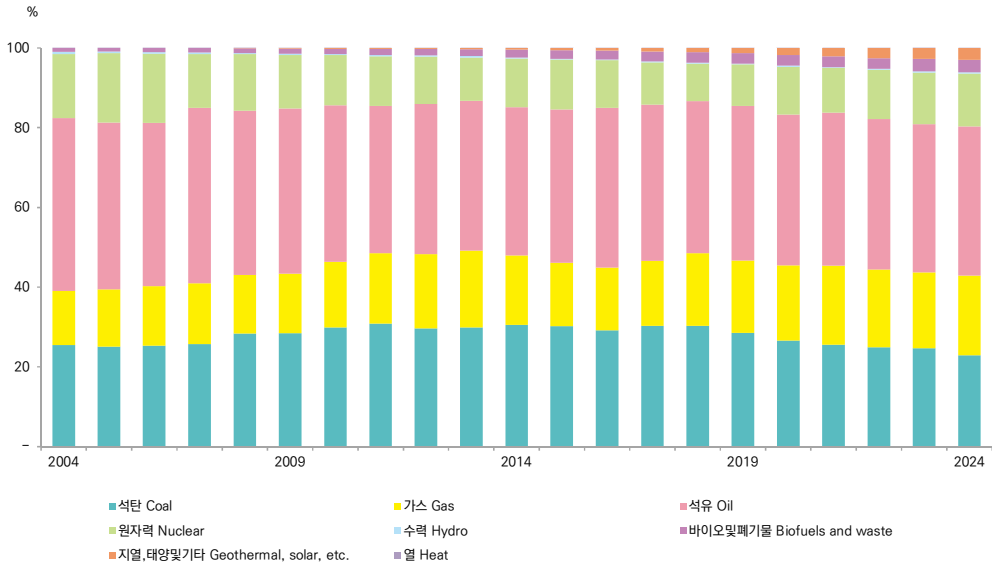
		합계 Total	석탄 Coal	가스 Gas	석유 Oil	원자력 Nuclear	수력 Hydro	바이오및폐기물 Biofuels and waste	지열,태양및기타 Geothermal, solar, etc.	열 ¹ Heat ¹
		1,000 toe								
1990		89,264	24,523	2,958	47,387	13,222	1,171	-	-	3
1995		145,595	31,173	8,852	87,805	16,757	690	315	-	3
2000		182,689	43,143	19,743	90,415	27,241	1,002	1,088	47	10
2002		195,940	47,987	23,797	92,003	29,776	808	1,516	40	14
2003		200,903	49,135	24,272	92,037	32,418	1,226	1,754	41	20
2004		203,941	51,886	27,827	88,397	32,679	1,082	1,999	52	19
2005		211,297	52,975	30,367	88,384	36,695	919	1,873	73	12
2006		214,578	54,361	32,023	87,908	37,187	867	2,108	107	17
2007		226,297	58,149	34,665	99,388	30,731	781	2,433	137	14
2008		228,957	64,925	33,792	94,170	32,456	660	2,718	199	38
2009		235,717	67,094	35,138	97,604	31,771	616	3,104	343	49
2010		253,862	76,008	41,681	99,640	31,948	797	3,274	499	16
2011		267,206	82,386	47,318	98,629	33,265	989	3,881	602	135
2012		266,625	79,059	49,554	100,465	31,719	838	4,245	622	124
2013		269,532	80,538	51,943	101,307	29,283	906	4,631	811	113
2014		271,253	82,764	47,409	100,793	33,002	581	5,585	1,051	68
2015		276,794	83,650	43,958	106,387	34,765	454	6,011	1,444	125
2016		287,905	83,874	45,524	115,344	34,181	603	6,447	1,814	117
2017		296,713	89,780	48,564	116,068	31,615	601	7,532	2,426	127
2018		300,791	91,017	55,090	114,451	28,437	719	7,985	3,024	68
2019		297,568	85,003	53,875	115,409	31,079	594	7,601	3,940	66
2020		285,551	76,003	53,915	107,990	34,119	826	7,479	5,146	73
2021		300,365	76,818	59,594	115,205	33,657	651	8,052	6,320	68
2022		303,807	75,803	59,096	114,676	37,500	755	8,252	7,657	69
2023		298,138	73,507	56,718	111,036	38,445	792	9,405	8,200	35
2024 ^p		304,255	69,664	60,871	113,861	40,205	916	9,616	9,050	71
2023	11	24,867	5,699	4,781	9,604	3,348	49	739	644	3
	12	27,800	6,809	6,361	9,728	3,472	59	761	607	2
2024 ^p	1	29,234	7,054	7,046	10,360	3,187	47	828	705	8
	2	25,789	6,094	6,349	8,784	3,135	53	801	567	5
	3	24,633	4,887	5,189	9,534	3,320	61	832	803	6
	4	24,259	5,394	4,695	9,388	3,113	123	808	732	6
	5	24,103	5,236	4,221	9,427	3,413	111	800	890	6
	6	23,110	4,887	3,775	9,456	3,212	101	869	805	6
	7	25,086	6,245	4,741	8,876	3,511	136	802	769	6
	8	26,835	7,065	4,918	9,723	3,303	84	843	892	7
	9	24,195	5,878	4,047	9,325	3,375	64	731	768	6
	10	24,437	5,335	3,899	10,105	3,637	50	788	619	5
	11	24,184	5,009	5,189	9,111	3,439	43	736	654	5
	12	28,389	6,580	6,802	9,771	3,560	45	777	847	6
2025 ^p	1	27,792	6,203	7,094	9,065	3,811	47	800	765	7
	2	25,788	4,933	7,075	8,596	3,457	41	806	875	5
	3	24,548	4,378	5,396	9,207	3,806	43	832	879	6
	4	23,106	3,960	4,682	9,200	3,393	52	854	960	5
	5	23,053	4,679	4,271	8,921	3,384	92	858	843	6
	6	22,968	5,331	3,857	8,745	3,208	94	853	873	7
	7	27,643	7,814	4,506	10,100	3,249	62	856	1,050	6
	8	24,512	6,804	3,868	8,979	2,997	66	854	938	7
	9	24,929	7,071	3,976	9,226	3,036	85	790	738	6
	10	23,663	5,762	4,338	9,134	2,929	123	727	646	5
	11	23,468	5,344	5,072	8,602	2,781	57	785	823	5
2024 ^p	1-11	275,866	63,084	54,069	104,090	36,644	871	8,839	8,204	65
2025 ^p	1-11	271,470	62,278	54,134	99,775	36,051	763	9,015	9,389	65

1. 지역난방이 아닌 상용자가업체 열생산량을 의미

1. Heat production by autoproducer plants

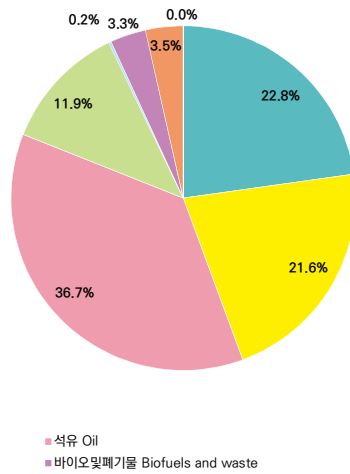
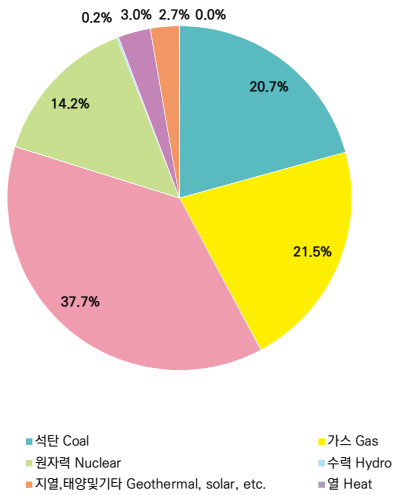
● 일차에너지공급 원별 구성비 Share of Energy Sources in TPES

<2004~2024>



● 2024년 11월 November 2024

● 2025년 11월 November 2025



1.6 일차에너지공급 원별 구성비

Share of Energy Sources in TPES

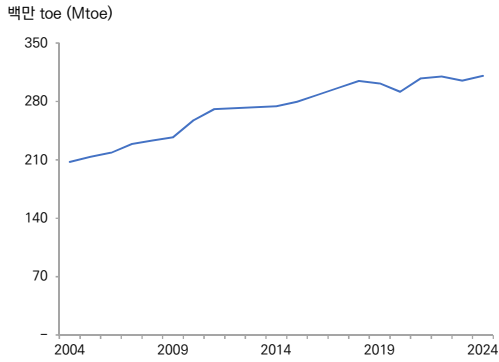
		합계 Total	석탄 Coal	가스 Gas	석유 Oil	원자력 Nuclear	수력 Hydro	바이오및폐기물 Biofuels and waste	지열,태양및기타 Geothermal, solar, etc.	열 ¹ Heat ¹
		%								
1990		100.0	27.5	3.3	53.1	14.8	1.3	-	-	0.0
1995		100.0	21.4	6.1	60.3	11.5	0.5	0.2	-	0.0
2000		100.0	23.6	10.8	49.5	14.9	0.5	0.6	0.0	0.0
2002		100.0	24.5	12.1	47.0	15.2	0.4	0.8	0.0	0.0
2003		100.0	24.5	12.1	45.8	16.1	0.6	0.9	0.0	0.0
2004		100.0	25.4	13.6	43.3	16.0	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	25.3	14.9	41.0	17.3	0.4	1.0	0.0	0.0
2007		100.0	25.7	15.3	43.9	13.6	0.3	1.1	0.1	0.0
2008		100.0	28.4	14.8	41.1	14.2	0.3	1.2	0.1	0.0
2009		100.0	28.5	14.9	41.4	13.5	0.3	1.3	0.1	0.0
2010		100.0	29.9	16.4	39.2	12.6	0.3	1.3	0.2	0.0
2011		100.0	30.8	17.7	36.9	12.4	0.4	1.5	0.2	0.1
2012		100.0	29.7	18.6	37.7	11.9	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	30.3	16.4	39.1	10.7	0.2	2.5	0.8	0.0
2018		100.0	30.3	18.3	38.0	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	38.4	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		100.0	24.7	19.0	37.2	12.9	0.3	3.2	2.8	0.0
2024 ^p		100.0	22.9	20.0	37.4	13.2	0.3	3.2	3.0	0.0
2023	11	100.0	22.9	19.2	38.6	13.5	0.2	3.0	2.6	0.0
	12	100.0	24.5	22.9	35.0	12.5	0.2	2.7	2.2	0.0
2024 ^p	1	100.0	24.1	24.1	35.4	10.9	0.2	2.8	2.4	0.0
	2	100.0	23.6	24.6	34.1	12.2	0.2	3.1	2.2	0.0
	3	100.0	19.8	21.1	38.7	13.5	0.2	3.4	3.3	0.0
	4	100.0	22.2	19.4	38.7	12.8	0.5	3.3	3.0	0.0
	5	100.0	21.7	17.5	39.1	14.2	0.5	3.3	3.7	0.0
	6	100.0	21.1	16.3	40.9	13.9	0.4	3.8	3.5	0.0
	7	100.0	24.9	18.9	35.4	14.0	0.5	3.2	3.1	0.0
	8	100.0	26.3	18.3	36.2	12.3	0.3	3.1	3.3	0.0
	9	100.0	24.3	16.7	38.5	14.0	0.3	3.0	3.2	0.0
	10	100.0	21.8	16.0	41.4	14.9	0.2	3.2	2.5	0.0
	11	100.0	20.7	21.5	37.7	14.2	0.2	3.0	2.7	0.0
	12	100.0	23.2	24.0	34.4	12.5	0.2	2.7	3.0	0.0
2025 ^p	1	100.0	22.3	25.5	32.6	13.7	0.2	2.9	2.8	0.0
	2	100.0	19.1	27.4	33.3	13.4	0.2	3.1	3.4	0.0
	3	100.0	17.8	22.0	37.5	15.5	0.2	3.4	3.6	0.0
	4	100.0	17.1	20.3	39.8	14.7	0.2	3.7	4.2	0.0
	5	100.0	20.3	18.5	38.7	14.7	0.4	3.7	3.7	0.0
	6	100.0	23.2	16.8	38.1	14.0	0.4	3.7	3.8	0.0
	7	100.0	28.3	16.3	36.5	11.8	0.2	3.1	3.8	0.0
	8	100.0	27.8	15.8	36.6	12.2	0.3	3.5	3.8	0.0
	9	100.0	28.4	15.9	37.0	12.2	0.3	3.2	3.0	0.0
	10	100.0	24.4	18.3	38.6	12.4	0.5	3.1	2.7	0.0
	11	100.0	22.8	21.6	36.7	11.9	0.2	3.3	3.5	0.0
2024 ^p	1-11	100.0	22.9	19.6	37.7	13.3	0.3	3.2	3.0	0.0
2025 ^p	1-11	100.0	22.9	19.9	36.8	13.3	0.3	3.3	3.5	0.0

1. 지역난방이 아닌 상용자가업체 열생산량을 의미

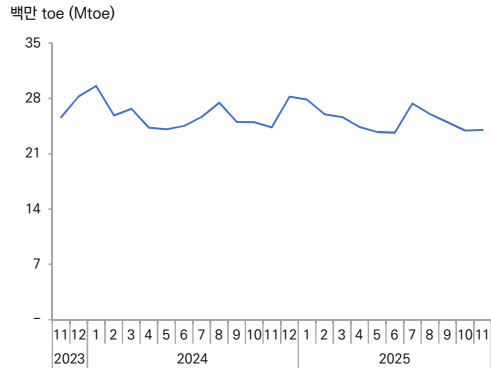
1. Heat production by autoproducer plants

● 일차에너지소비 Total Primary Energy Consumption

〈2004~2024〉

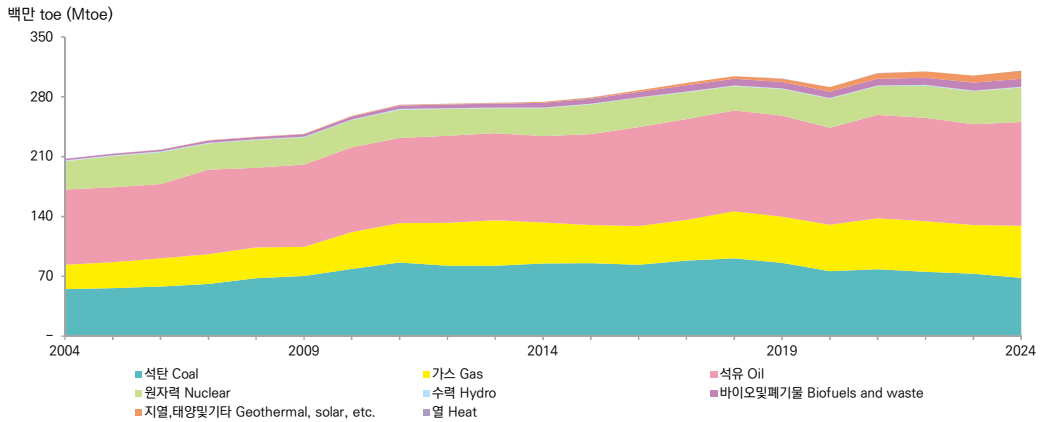


〈2023.11~2025.11〉

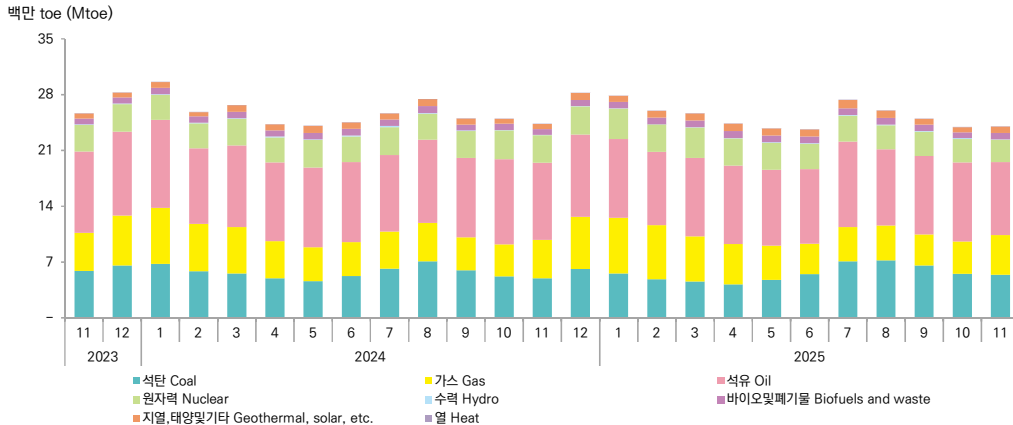


● 에너지원별 일차에너지소비 Total Primary Energy Consumption by Source

〈2004~2024〉



〈2023.11~2025.11〉



1.7 일차에너지소비

Total Primary Energy Consumption

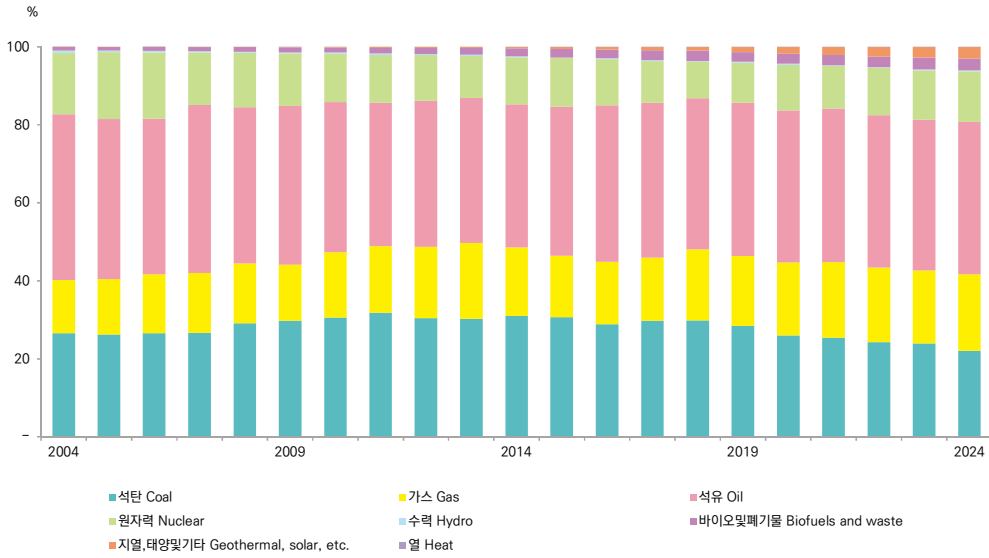
		합계 Total	석탄 Coal	가스 Gas	석유 Oil	원자력 Nuclear	수력 Hydro	바이오및폐기물 Biofuels and waste	지열,태양및기타 Geothermal, solar, etc.	열 ¹ Heat ¹
		1,000 toe								
1990		89,359	25,217	3,280	46,466	13,222	1,171	-	-	3
1995		144,201	29,513	10,236	86,664	16,757	690	315	23	3
2000		183,063	44,248	19,322	90,105	27,241	1,002	1,088	47	10
2002		197,462	50,328	22,947	92,033	29,776	808	1,516	40	14
2003		203,687	52,325	24,055	91,848	32,418	1,226	1,754	41	20
2004		207,560	55,201	28,224	88,304	32,679	1,082	1,999	52	19
2005		213,670	56,113	30,194	87,792	36,695	919	1,873	73	12
2006		218,408	57,992	33,024	87,106	37,187	867	2,108	107	17
2007		229,084	60,958	35,142	98,891	30,731	781	2,430	137	14
2008		233,273	67,814	35,944	93,445	32,456	660	2,718	199	38
2009		236,876	70,423	34,140	96,432	31,771	616	3,103	343	49
2010		257,493	78,777	43,019	99,164	31,948	797	3,274	499	16
2011		270,645	86,201	46,261	99,311	33,265	989	3,881	602	135
2012		271,924	82,677	49,819	101,881	31,719	838	4,245	622	124
2013		273,047	82,627	53,059	101,615	29,283	906	4,631	811	113
2014		274,245	85,103	48,009	100,846	33,002	581	5,585	1,051	68
2015		279,345	85,612	44,147	106,787	34,765	454	6,011	1,444	125
2016		287,808	83,278	45,822	115,546	34,181	603	6,447	1,814	117
2017		296,194	88,328	47,715	117,864	31,615	601	7,518	2,426	127
2018		304,474	90,962	55,450	117,829	28,437	719	7,985	3,024	68
2019		301,517	85,737	54,024	118,473	31,079	594	7,603	3,940	66
2020		291,484	75,912	54,537	113,391	34,119	826	7,479	5,146	73
2021		307,796	78,233	59,554	121,261	33,657	651	8,052	6,320	68
2022		309,897	75,134	59,381	121,149	37,500	755	8,252	7,657	69
2023		304,934	72,972	57,112	117,975	38,445	792	9,404	8,200	35
2024 ^p		310,555	68,351	61,029	121,313	40,205	916	9,620	9,050	71
2023	11	25,645	5,873	4,779	10,208	3,348	49	740	644	3
	12	28,245	6,539	6,276	10,529	3,472	59	761	607	2
2024 ^p	1	29,584	6,763	7,024	11,023	3,187	47	828	705	8
	2	25,828	5,820	5,992	9,454	3,135	53	803	567	5
	3	26,658	5,549	5,838	10,247	3,320	61	834	803	6
	4	24,277	4,976	4,608	9,909	3,113	123	809	732	6
	5	24,098	4,571	4,293	10,010	3,413	111	804	890	6
	6	24,517	5,232	4,251	10,048	3,212	101	863	805	6
	7	25,638	6,160	4,649	9,602	3,511	136	806	769	6
	8	27,438	7,082	4,834	10,397	3,303	84	840	892	7
	9	25,007	5,950	4,159	9,951	3,375	64	733	768	6
	10	24,981	5,185	4,024	10,674	3,637	50	787	619	5
	11	24,337	4,969	4,802	9,690	3,439	43	737	654	5
	12	28,191	6,094	6,554	10,308	3,560	45	776	847	6
2025 ^p	1	27,855	5,539	7,007	9,881	3,811	47	798	765	7
	2	25,978	4,836	6,790	9,169	3,457	41	806	875	5
	3	25,632	4,541	5,679	9,844	3,806	43	834	879	6
	4	24,367	4,159	5,083	9,861	3,393	52	853	960	5
	5	23,745	4,746	4,303	9,511	3,384	92	860	843	6
	6	23,659	5,450	3,841	9,333	3,208	94	853	873	7
	7	27,344	7,067	4,324	10,728	3,249	62	857	1,050	6
	8	26,022	7,180	4,397	9,585	2,997	66	854	938	7
	9	24,971	6,578	3,861	9,875	3,036	85	792	738	6
	10	23,927	5,509	4,046	9,945	2,929	123	724	646	5
	11	23,995	5,373	5,023	9,146	2,781	57	787	823	5
2024 ^p	1-11	282,364	62,257	54,475	111,005	36,644	871	8,843	8,204	65
2025 ^p	1-11	277,494	60,978	54,354	106,878	36,051	763	9,017	9,389	65

1. 지역난방이 아닌 상용자가업체 열생산량을 의미

1. Heat production by autoproducer plants

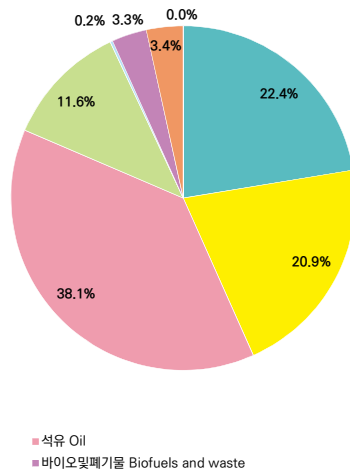
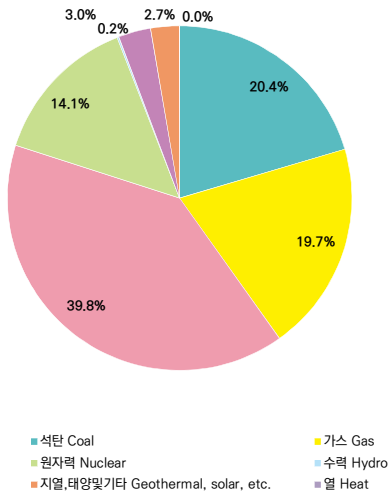
● 일차에너지소비 원별 구성비 Share of Energy Sources in TPEC

<2004~2024>



● 2024년 11월 November 2024

● 2025년 11월 November 2025



1.8 일차에너지소비 원별 구성비

Share of Energy Sources in TPEC

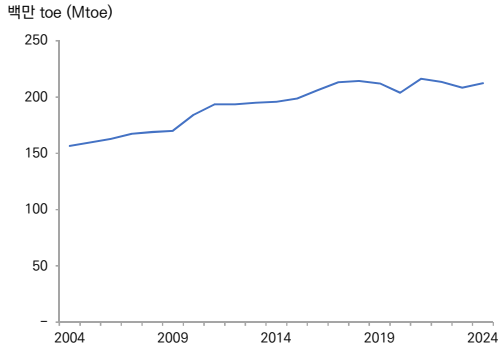
	합계 Total	석탄 Coal	가스 Gas	석유 Oil	원자력 Nuclear	수력 Hydro	바이오및폐기물 Biofuels and waste	지열,태양및기타 Geothermal, solar, etc.	열 ¹ Heat ¹	
%										
1990	100.0	28.2	3.7	52.0	14.8	1.3	-	-	0.0	
1995	100.0	20.5	7.1	60.1	11.6	0.5	0.2	0.0	0.0	
2000	100.0	24.2	10.6	49.2	14.9	0.5	0.6	0.0	0.0	
2002	100.0	25.5	11.6	46.6	15.1	0.4	0.8	0.0	0.0	
2003	100.0	25.7	11.8	45.1	15.9	0.6	0.9	0.0	0.0	
2004	100.0	26.6	13.6	42.5	15.7	0.5	1.0	0.0	0.0	
2005	100.0	26.3	14.1	41.1	17.2	0.4	0.9	0.0	0.0	
2006	100.0	26.6	15.1	39.9	17.0	0.4	1.0	0.0	0.0	
2007	100.0	26.6	15.3	43.2	13.4	0.3	1.1	0.1	0.0	
2008	100.0	29.1	15.4	40.1	13.9	0.3	1.2	0.1	0.0	
2009	100.0	29.7	14.4	40.7	13.4	0.3	1.3	0.1	0.0	
2010	100.0	30.6	16.7	38.5	12.4	0.3	1.3	0.2	0.0	
2011	100.0	31.9	17.1	36.7	12.3	0.4	1.4	0.2	0.0	
2012	100.0	30.4	18.3	37.5	11.7	0.3	1.6	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	26.0	18.7	38.9	11.7	0.3	2.6	1.8	0.0	
2021	100.0	25.4	19.3	39.4	10.9	0.2	2.6	2.1	0.0	
2022	100.0	24.2	19.2	39.1	12.1	0.2	2.7	2.5	0.0	
2023	100.0	23.9	18.7	38.7	12.6	0.3	3.1	2.7	0.0	
2024 ^P	100.0	22.0	19.7	39.1	12.9	0.3	3.1	2.9	0.0	
2023	11	100.0	22.9	18.6	39.8	13.1	0.2	2.9	2.5	0.0
	12	100.0	23.2	22.2	37.3	12.3	0.2	2.7	2.1	0.0
2024 ^P	1	100.0	22.9	23.7	37.3	10.8	0.2	2.8	2.4	0.0
	2	100.0	22.5	23.2	36.6	12.1	0.2	3.1	2.2	0.0
	3	100.0	20.8	21.9	38.4	12.5	0.2	3.1	3.0	0.0
	4	100.0	20.5	19.0	40.8	12.8	0.5	3.3	3.0	0.0
	5	100.0	19.0	17.8	41.5	14.2	0.5	3.3	3.7	0.0
	6	100.0	21.3	17.3	41.0	13.1	0.4	3.5	3.3	0.0
	7	100.0	24.0	18.1	37.5	13.7	0.5	3.1	3.0	0.0
	8	100.0	25.8	17.6	37.9	12.0	0.3	3.1	3.3	0.0
	9	100.0	23.8	16.6	39.8	13.5	0.3	2.9	3.1	0.0
	10	100.0	20.8	16.1	42.7	14.6	0.2	3.1	2.5	0.0
	11	100.0	20.4	19.7	39.8	14.1	0.2	3.0	2.7	0.0
	12	100.0	21.6	23.2	36.6	12.6	0.2	2.8	3.0	0.0
2025 ^P	1	100.0	19.9	25.2	35.5	13.7	0.2	2.9	2.7	0.0
	2	100.0	18.6	26.1	35.3	13.3	0.2	3.1	3.4	0.0
	3	100.0	17.7	22.2	38.4	14.8	0.2	3.3	3.4	0.0
	4	100.0	17.1	20.9	40.5	13.9	0.2	3.5	3.9	0.0
	5	100.0	20.0	18.1	40.1	14.3	0.4	3.6	3.6	0.0
	6	100.0	23.0	16.2	39.4	13.6	0.4	3.6	3.7	0.0
	7	100.0	25.8	15.8	39.2	11.9	0.2	3.1	3.8	0.0
	8	100.0	27.6	16.9	36.8	11.5	0.3	3.3	3.6	0.0
	9	100.0	26.3	15.5	39.5	12.2	0.3	3.2	3.0	0.0
	10	100.0	23.0	16.9	41.6	12.2	0.5	3.0	2.7	0.0
	11	100.0	22.4	20.9	38.1	11.6	0.2	3.3	3.4	0.0
2024 ^P	1-11	100.0	22.0	19.3	39.3	13.0	0.3	3.1	2.9	0.0
2025 ^P	1-11	100.0	22.0	19.6	38.5	13.0	0.3	3.2	3.4	0.0

1. 지역난방이 아닌 상용자가업체 열생산량을 의미

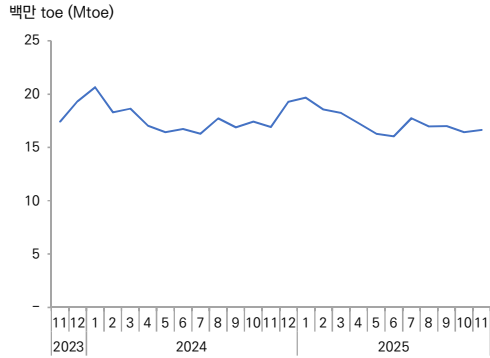
1. Heat production by autoproducer plants

● 최종소비 Total Final Consumption

〈2004~2024〉

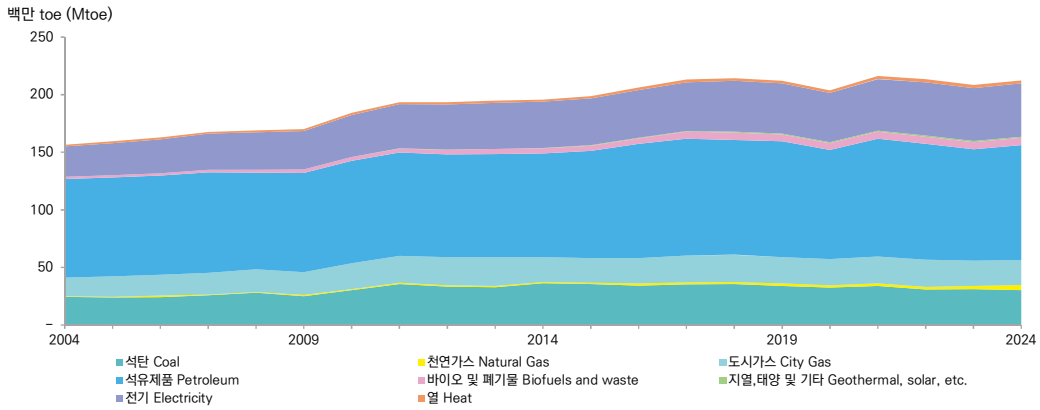


〈2023.11~2025.11〉

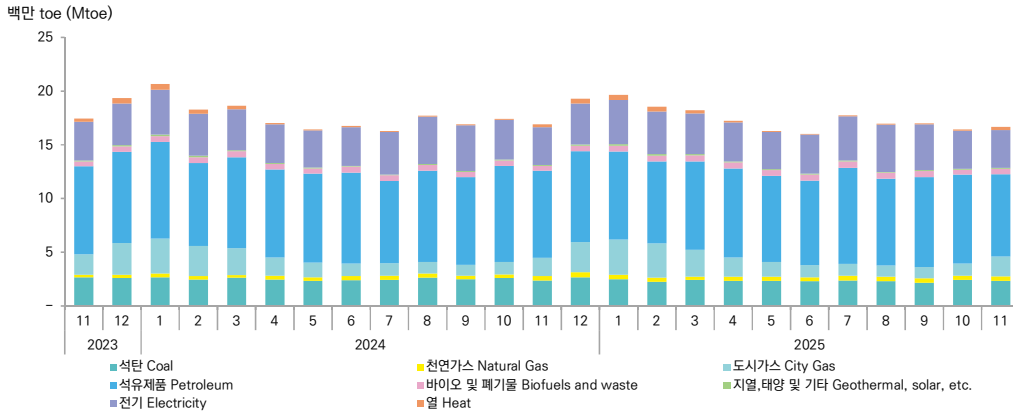


● 에너지원별 최종소비 Total Final Consumption by Source

〈2004~2024〉



〈2023.11~2025.11〉



2.1 최종소비

Total Final Consumption

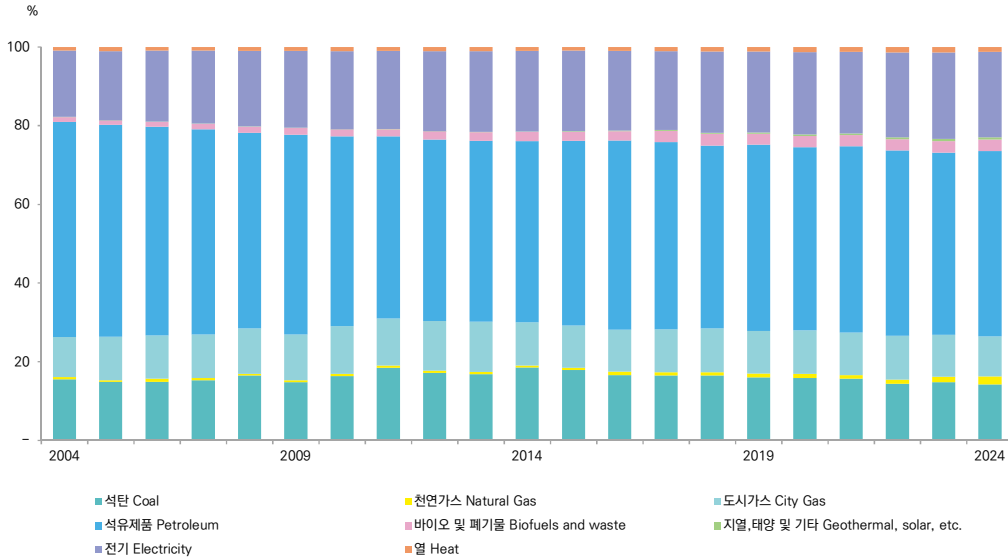
		합계 ¹ Total ¹	석탄 Coal	천연가스 Natural Gas	도시가스 City Gas	석유제품 Petroleum	바이오 및 폐기물 Biofuels and waste	지열, 태양 및 기타 Geothermal, solar, etc.	전기 Electricity	열 Heat
		1,000 toe								
1990		71,133	20,529	5	1,012	41,591	-	-	7,997	-
1995		116,507	19,422	12	5,452	76,814	315	23	13,832	637
2000		141,000	21,260	207	12,510	84,409	1,088	45	20,273	1,208
2002		150,319	22,766	623	14,305	86,294	1,487	37	23,584	1,224
2003		154,107	23,745	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		159,700	23,826	632	17,672	85,986	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	25,695	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		193,597	33,267	1,060	24,464	89,316	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		195,773	36,262	1,018	21,488	90,177	4,529	256	40,103	1,938
2015		198,704	35,565	1,132	21,305	93,333	4,510	322	40,630	1,905
2016		206,217	34,302	1,783	21,928	99,092	4,937	406	41,692	2,075
2017		213,148	35,171	1,830	23,122	101,576	6,031	534	42,582	2,300
2018		214,407	35,377	1,786	23,793	99,734	6,397	643	44,139	2,535
2019		212,133	34,046	1,927	23,094	100,457	5,751	757	43,628	2,471
2020		203,932	32,387	2,078	22,632	94,841	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		213,481	30,842	2,120	23,837	100,520	6,159	1,106	45,950	2,946
2023		208,506	30,995	2,823	22,105	96,585	6,148	1,148	45,813	2,889
2024 ^P		212,348	30,247	4,303	21,700	99,892	6,239	1,180	46,146	2,640
2023	11	17,443	2,656	234	1,923	8,192	473	70	3,595	301
	12	19,351	2,614	316	2,915	8,513	510	105	3,880	499
2024 ^P	1	20,655	2,685	346	3,271	8,965	557	154	4,175	502
	2	18,285	2,471	323	2,809	7,719	520	145	3,925	373
	3	18,635	2,628	253	2,507	8,456	552	119	3,807	314
	4	17,037	2,466	347	1,712	8,172	530	88	3,588	135
	5	16,436	2,335	346	1,347	8,283	503	69	3,447	106
	6	16,743	2,400	388	1,148	8,469	562	87	3,589	99
	7	16,301	2,452	380	1,149	7,656	527	85	3,950	102
	8	17,721	2,635	384	1,080	8,499	532	85	4,406	98
	9	16,895	2,488	356	994	8,165	483	90	4,234	84
	10	17,432	2,608	331	1,158	8,951	498	85	3,695	106
	11	16,913	2,387	408	1,696	8,109	459	70	3,516	269
	12	19,294	2,692	441	2,828	8,447	515	104	3,814	452
2025 ^P	1	19,670	2,497	433	3,258	8,182	533	156	4,109	503
	2	18,560	2,245	393	3,199	7,624	518	153	3,967	461
	3	18,223	2,439	313	2,498	8,205	564	121	3,791	294
	4	17,251	2,342	388	1,801	8,259	585	91	3,618	166
	5	16,302	2,352	396	1,372	7,992	551	71	3,453	117
	6	16,037	2,303	381	1,125	7,868	565	90	3,604	101
	7	17,742	2,382	421	1,109	8,950	581	93	4,102	103
	8	16,977	2,322	404	1,035	8,100	550	86	4,383	97
	9	16,988	2,167	402	1,039	8,386	566	89	4,252	86
	10	16,426	2,420	393	1,134	8,270	474	83	3,534	118
	11	16,656	2,354	407	1,828	7,691	497	72	3,538	269
2024 ^P	1-11	193,054	27,556	3,862	18,871	91,445	5,724	1,076	42,332	2,188
2025 ^P	1-11	190,831	25,822	4,329	19,397	89,527	5,984	1,105	42,350	2,317

1. 수력 포함

1. Includes Hydro.

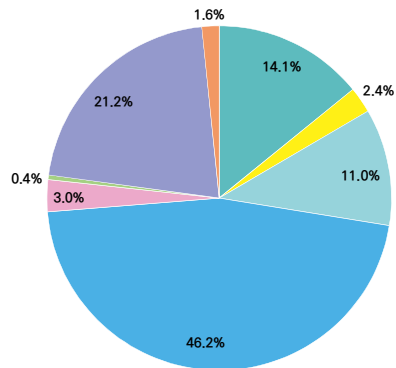
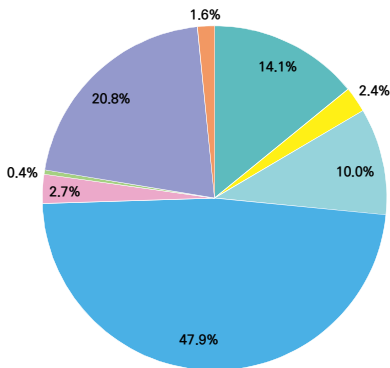
● 최종소비 원별 구성비 Share of Energy Sources in TFC

〈2004~2024〉



● 2024년 11월 November 2024

● 2025년 11월 November 2025



2.2 최종소비 원별 구성비

Share of Energy Sources in TFC

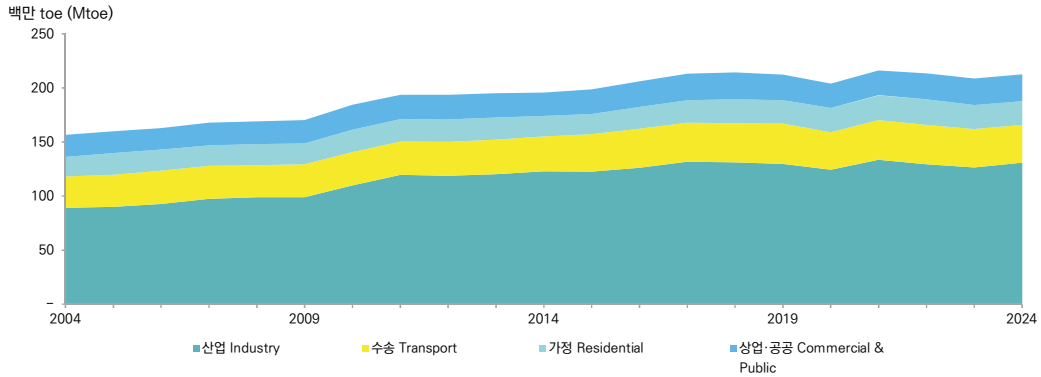
		합계 ¹ Total ¹	석탄 Coal	천연가스 Natural Gas	도시가스 City Gas	석유제품 Petroleum	바이오 및 폐기물 Biofuels and waste	지열, 태양 및 기타 Geothermal, solar, etc.	전기 Electricity	열 Heat
		%								
1990		100.0	28.9	0.0	1.4	58.5	-	-	11.2	-
1995		100.0	16.7	0.0	4.7	65.9	0.3	0.0	11.9	0.5
2000		100.0	15.1	0.1	8.9	59.9	0.8	0.0	14.4	0.9
2002		100.0	15.1	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	14.9	0.4	11.1	53.8	1.1	0.0	17.6	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	46.1	2.3	0.1	20.5	1.0
2015		100.0	17.9	0.6	10.7	47.0	2.3	0.2	20.4	1.0
2016		100.0	16.6	0.9	10.6	48.1	2.4	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	21.5	1.4
2023		100.0	14.9	1.4	10.6	46.3	2.9	0.6	22.0	1.4
2024 ^P		100.0	14.2	2.0	10.2	47.0	2.9	0.6	21.7	1.2
2023	11	100.0	15.2	1.3	11.0	47.0	2.7	0.4	20.6	1.7
	12	100.0	13.5	1.6	15.1	44.0	2.6	0.5	20.0	2.6
2024 ^P	1	100.0	13.0	1.7	15.8	43.4	2.7	0.7	20.2	2.4
	2	100.0	13.5	1.8	15.4	42.2	2.8	0.8	21.5	2.0
	3	100.0	14.1	1.4	13.5	45.4	3.0	0.6	20.4	1.7
	4	100.0	14.5	2.0	10.0	48.0	3.1	0.5	21.1	0.8
	5	100.0	14.2	2.1	8.2	50.4	3.1	0.4	21.0	0.6
	6	100.0	14.3	2.3	6.9	50.6	3.4	0.5	21.4	0.6
	7	100.0	15.0	2.3	7.0	47.0	3.2	0.5	24.2	0.6
	8	100.0	14.9	2.2	6.1	48.0	3.0	0.5	24.9	0.6
	9	100.0	14.7	2.1	5.9	48.3	2.9	0.5	25.1	0.5
	10	100.0	15.0	1.9	6.6	51.3	2.9	0.5	21.2	0.6
	11	100.0	14.1	2.4	10.0	47.9	2.7	0.4	20.8	1.6
	12	100.0	14.0	2.3	14.7	43.8	2.7	0.5	19.8	2.3
2025 ^P	1	100.0	12.7	2.2	16.6	41.6	2.7	0.8	20.9	2.6
	2	100.0	12.1	2.1	17.2	41.1	2.8	0.8	21.4	2.5
	3	100.0	13.4	1.7	13.7	45.0	3.1	0.7	20.8	1.6
	4	100.0	13.6	2.2	10.4	47.9	3.4	0.5	21.0	1.0
	5	100.0	14.4	2.4	8.4	49.0	3.4	0.4	21.2	0.7
	6	100.0	14.4	2.4	7.0	49.1	3.5	0.6	22.5	0.6
	7	100.0	13.4	2.4	6.3	50.4	3.3	0.5	23.1	0.6
	8	100.0	13.7	2.4	6.1	47.7	3.2	0.5	25.8	0.6
	9	100.0	12.8	2.4	6.1	49.4	3.3	0.5	25.0	0.5
	10	100.0	14.7	2.4	6.9	50.3	2.9	0.5	21.5	0.7
	11	100.0	14.1	2.4	11.0	46.2	3.0	0.4	21.2	1.6
2024 ^P	1-11	100.0	14.3	2.0	9.8	47.4	3.0	0.6	21.9	1.1
2025 ^P	1-11	100.0	13.5	2.3	10.2	46.9	3.1	0.6	22.2	1.2

1. 수력 포함

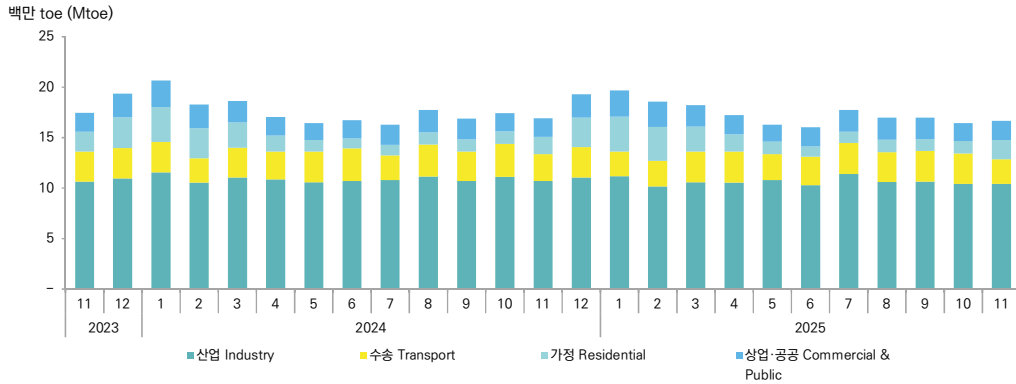
1. Includes Hydro.

● 부문별 최종소비 Total Final Consumption by Sector

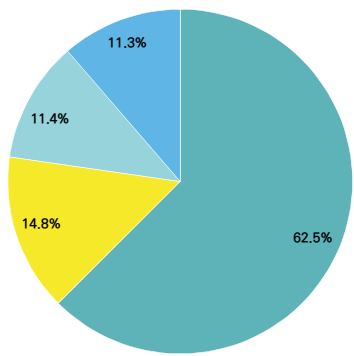
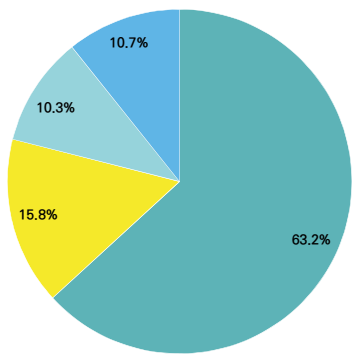
<2004~2024>



<2023.11~2025.11>



● 2024년 11월 November 2024 ● 2025년 11월 November 2025



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

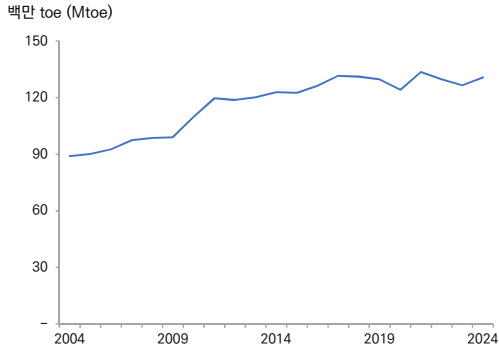
2.3 부문별 최종소비

Total Final Consumption by Sector

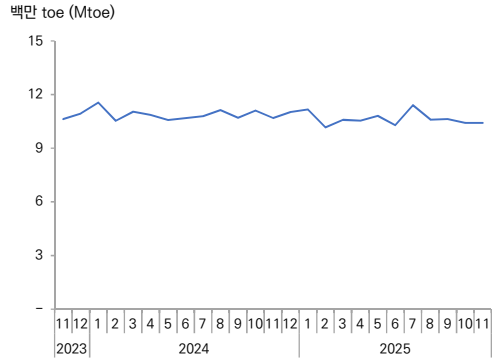
	전환자체소비 Transformation own use	합계 Total	1,000 toe				
			산업 Industry	수송 Transport	가정 Residential	상업·공공 Commercial & Public	
1990	1,392	71,133	36,799	12,140	11,257	10,937	
1995	2,389	116,507	62,275	22,920	10,712	20,600	
2000	6,260	141,000	81,006	25,007	16,284	18,703	
2002	5,715	150,319	85,105	28,007	17,791	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	6,349	159,700	90,070	29,565	20,117	19,948	
2006	6,338	162,883	92,597	30,928	19,612	19,745	
2007	6,431	167,623	97,377	30,496	18,872	20,879	
2008	6,942	169,049	98,690	30,007	19,347	21,004	
2009	6,773	170,068	99,034	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	193,597	118,731	31,502	20,401	22,963	
2013	7,057	194,844	120,198	32,017	20,166	22,464	
2014	8,507	195,773	122,769	32,406	18,876	21,722	
2015	8,084	198,704	122,520	34,509	18,939	22,735	
2016	8,347	206,217	126,284	36,029	20,150	23,754	
2017	8,051	213,148	131,574	36,260	20,927	24,387	
2018	9,709	214,407	131,130	36,227	22,122	24,929	
2019	9,939	212,133	129,609	37,193	21,560	23,770	
2020	9,876	203,932	124,199	34,745	22,356	22,632	
2021	10,009	216,245	133,541	36,636	22,940	23,128	
2022	9,801	213,481	129,554	36,298	23,575	24,054	
2023	10,087	208,506	126,463	35,334	22,334	24,375	
2024 ^P	10,475	212,348	130,720	34,970	22,057	24,600	
2023	11	894	17,443	10,631	2,985	1,959	1,867
	12	1,003	19,351	10,945	3,015	3,064	2,328
2024 ^P	1	982	20,655	11,557	3,025	3,452	2,620
	2	913	18,285	10,529	2,441	2,964	2,351
	3	861	18,635	11,039	2,970	2,501	2,125
	4	857	17,037	10,862	2,770	1,584	1,821
	5	865	16,436	10,573	3,058	1,140	1,666
	6	817	16,743	10,686	3,246	989	1,822
	7	879	16,301	10,800	2,445	1,042	2,013
	8	830	17,721	11,136	3,174	1,229	2,182
	9	857	16,895	10,701	2,913	1,213	2,069
	10	818	17,432	11,115	3,250	1,266	1,802
	11	832	16,913	10,689	2,665	1,744	1,815
	12	964	19,294	11,033	3,013	2,934	2,314
2025 ^P	1	981	19,670	11,174	2,439	3,481	2,577
	2	891	18,560	10,167	2,512	3,393	2,488
	3	844	18,223	10,582	3,025	2,469	2,148
	4	847	17,251	10,544	3,074	1,725	1,907
	5	833	16,302	10,804	2,551	1,250	1,698
	6	798	16,037	10,292	2,841	1,020	1,884
	7	891	17,742	11,407	3,087	1,090	2,158
	8	899	16,977	10,601	2,968	1,220	2,188
	9	880	16,988	10,631	3,040	1,196	2,121
	10	879	16,426	10,415	3,012	1,222	1,776
	11	870	16,656	10,414	2,458	1,896	1,888
2024 ^P	1-11	9,511	193,054	119,687	31,957	19,123	22,286
2025 ^P	1-11	9,611	190,831	117,029	31,007	19,962	22,833

● 산업 부문 에너지 소비 Energy Consumption in the Industry Sector

〈2004~2024〉

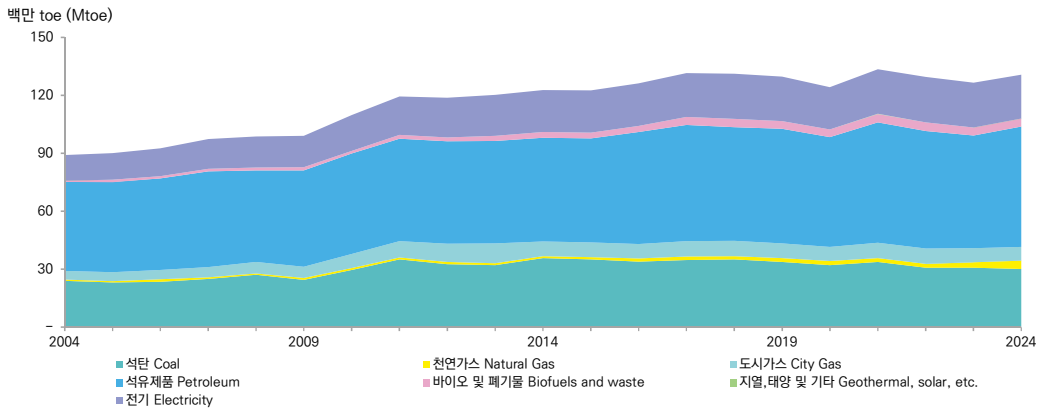


〈2023.11~2025.11〉

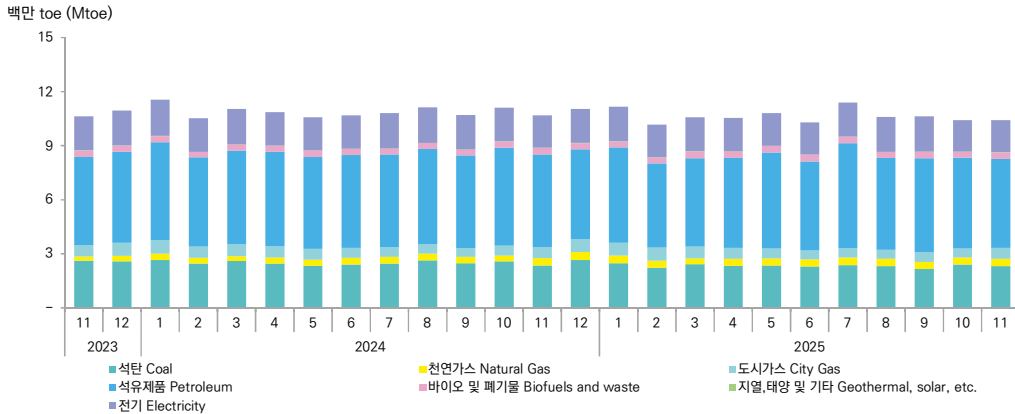


● 에너지원별 소비 Energy Consumption in the Industry Sector by Source

〈2004~2024〉



〈2023.11~2025.11〉



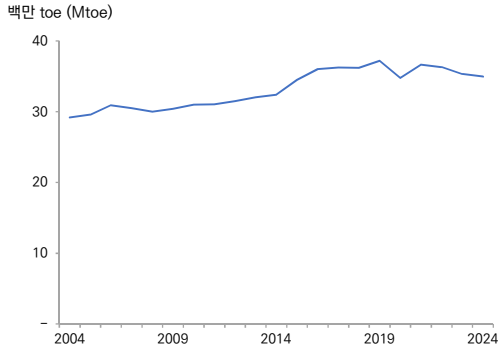
2.3.1 산업 부문 소비

Energy Consumption in the Industry Sector

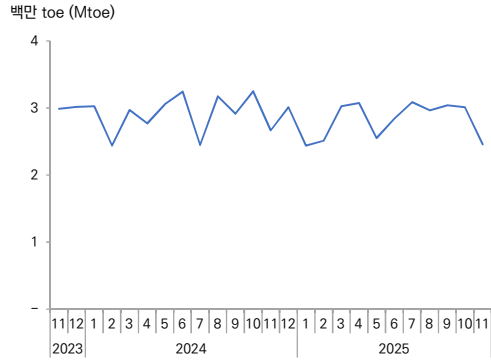
		합계 ¹ Total ¹	석탄 Coal	천연가스 Natural Gas	도시가스 City Gas	석유제품 Petroleum	바이오 및 폐기물 Biofuels and waste	지열, 태양 및 기타 Geothermal, solar, etc.	전기 Electricity
		1,000 toe							
1990		36,799	11,943	5	235	19,641	-	-	4,975
1995		62,275	18,090	12	863	35,192	33	-	8,085
2000		81,006	20,789	207	3,308	45,030	624	0	11,047
2002		85,105	22,446	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		90,070	23,151	632	4,655	46,612	1,189	1	13,830
2006		92,597	23,484	1,318	4,847	47,288	1,201	1	14,458
2007		97,377	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		99,034	24,438	910	5,891	49,849	1,628	2	16,316
2010		109,779	29,571	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		118,731	32,607	1,060	9,443	52,983	2,061	15	20,562
2013		120,198	32,125	1,041	10,060	53,151	2,605	21	21,194
2014		122,769	35,668	1,018	7,684	53,631	2,959	21	21,788
2015		122,520	35,026	1,132	7,539	53,966	2,947	31	21,880
2016		126,284	33,775	1,783	7,456	57,970	3,102	32	22,165
2017		131,574	34,710	1,830	7,953	60,217	4,121	34	22,710
2018		131,130	34,990	1,786	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		124,199	32,147	2,078	7,345	56,690	3,981	48	21,908
2021		133,541	33,704	2,097	7,855	62,312	4,337	55	23,182
2022		129,554	30,643	2,120	7,784	60,966	4,405	65	23,570
2023		126,463	30,812	2,823	7,199	58,334	4,133	75	23,086
2024 ^p		130,720	30,086	4,303	7,183	62,236	4,133	75	22,704
2023	11	10,631	2,618	234	643	4,880	360	7	1,889
	12	10,945	2,585	316	715	5,040	353	7	1,929
2024 ^p	1	11,557	2,663	346	756	5,439	333	6	2,015
	2	10,529	2,456	323	628	4,950	305	6	1,862
	3	11,039	2,616	253	659	5,198	356	7	1,950
	4	10,862	2,460	347	611	5,230	363	6	1,846
	5	10,573	2,332	346	598	5,099	365	6	1,827
	6	10,686	2,397	388	541	5,156	359	6	1,838
	7	10,800	2,450	380	538	5,156	334	6	1,936
	8	11,136	2,633	384	516	5,286	336	6	1,974
	9	10,701	2,480	356	481	5,150	327	6	1,901
	10	11,115	2,578	331	545	5,434	352	7	1,868
	11	10,689	2,355	408	605	5,159	348	7	1,807
	12	11,033	2,666	441	706	4,978	355	7	1,880
2025 ^p	1	11,174	2,480	433	702	5,298	327	5	1,928
	2	10,167	2,229	393	721	4,674	327	7	1,815
	3	10,582	2,429	313	661	4,901	375	7	1,896
	4	10,544	2,337	388	594	4,994	389	7	1,836
	5	10,804	2,349	396	548	5,331	375	7	1,797
	6	10,292	2,301	381	511	4,944	371	7	1,776
	7	11,407	2,380	421	512	5,830	371	7	1,887
	8	10,601	2,320	404	493	5,105	338	7	1,934
	9	10,631	2,160	402	523	5,217	377	7	1,946
	10	10,415	2,398	393	502	5,056	328	7	1,732
	11	10,414	2,322	407	608	4,939	352	7	1,778
2024 ^p	1-11	119,687	27,420	3,862	6,477	57,258	3,778	68	20,823
2025 ^p	1-11	117,029	25,704	4,329	6,375	56,289	3,931	75	20,326

● 수송 부문 에너지 소비 Energy Consumption in the Transport Sector

〈2004~2024〉

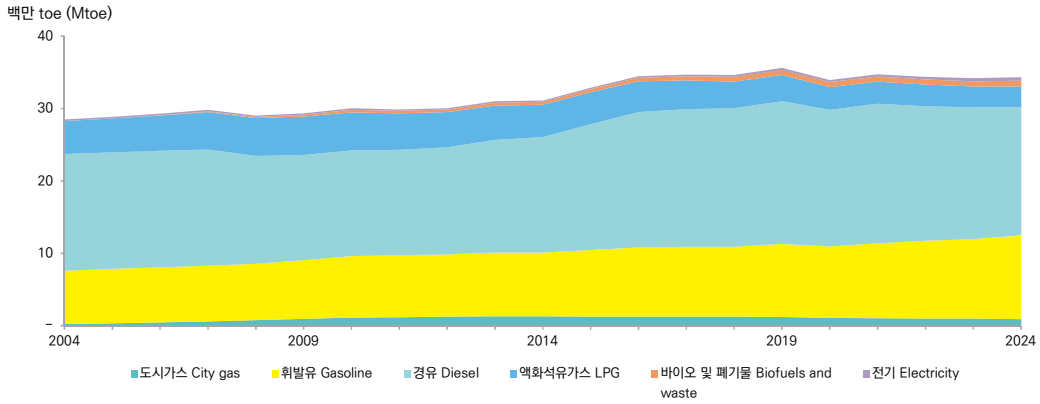


〈2023.11~2025.11〉

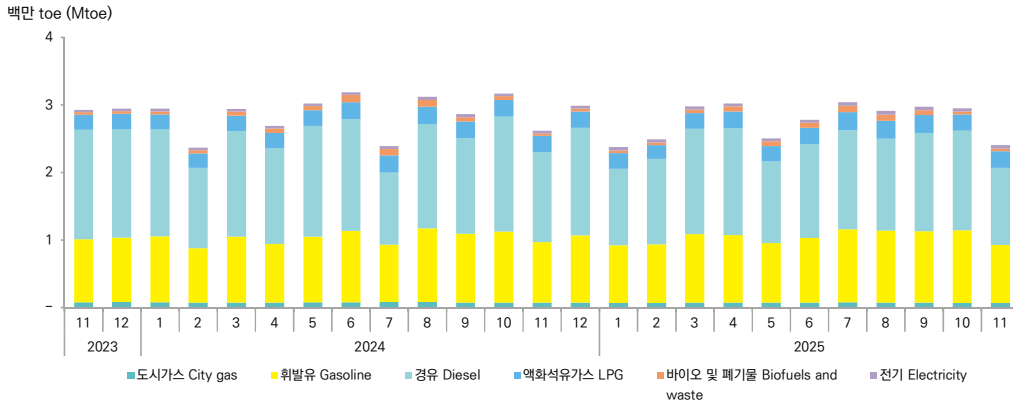


● 에너지원별 소비 Energy Consumption in the Transport Sector by Source

〈2004~2024〉



〈2023.11~2025.11〉



2.3.2 수송 부문 소비

Energy Consumption in the Transport Sector

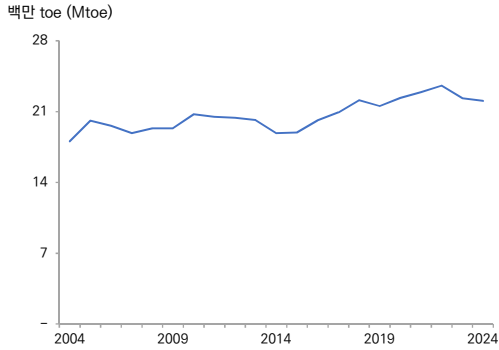
		합계	도시가스	석유제품	1,000 toe			바이오 및 폐기물 ¹	전기
		Total	City gas	Petroleum	휘발유 Gasoline	경유 Diesel	액화석유가스 LPG	Biofuels and waste ¹	Electricity
1990		12,140	-	12,053	2,934	7,641	1,221	-	87
1995		22,920	-	22,765	7,527	12,409	1,765	-	155
2000		25,007	-	24,831	7,884	12,909	3,453	-	175
2002		28,007	80	27,733	7,961	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		29,565	339	29,002	7,512	16,078	4,680	-	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		36,298	1,025	34,238	10,714	18,586	2,999	682	353
2023		35,334	988	33,226	10,961	18,244	2,854	696	424
2024 ^P		34,970	933	32,781	11,533	17,709	2,874	764	492
2023	11	2,985	81	2,832	928	1,625	221	36	37
	12	3,015	82	2,855	955	1,602	229	37	41
2024 ^P	1	3,025	81	2,860	973	1,583	225	42	42
	2	2,441	73	2,285	806	1,192	214	42	40
	3	2,970	78	2,794	971	1,559	233	60	38
	4	2,770	77	2,591	866	1,417	229	66	37
	5	3,058	79	2,881	969	1,640	236	61	36
	6	3,246	79	3,025	1,057	1,656	250	105	39
	7	2,445	83	2,224	849	1,065	255	97	42
	8	3,174	83	2,943	1,089	1,549	253	102	46
	9	2,913	76	2,731	1,018	1,413	251	61	45
	10	3,250	75	3,082	1,049	1,703	250	53	40
	11	2,665	74	2,516	894	1,334	241	35	41
	12	3,013	76	2,851	993	1,596	237	41	46
2025 ^P	1	2,439	70	2,279	849	1,137	231	39	50
	2	2,512	68	2,361	868	1,266	207	35	49
	3	3,025	73	2,856	1,016	1,559	236	51	44
	4	3,074	71	2,883	1,000	1,584	247	75	44
	5	2,551	73	2,365	883	1,211	226	70	43
	6	2,841	72	2,649	959	1,386	242	75	45
	7	3,087	80	2,865	1,079	1,473	266	93	50
	8	2,968	77	2,742	1,067	1,357	264	95	54
	9	3,040	75	2,841	1,056	1,453	267	72	52
	10	3,012	70	2,852	1,077	1,471	243	44	47
	11	2,458	70	2,301	857	1,144	247	38	49
2024 ^P	1-11	31,957	858	29,931	10,540	16,112	2,638	723	446
2025 ^P	1-11	31,007	799	28,996	10,711	15,040	2,675	687	526

주: 합계에는 항공유, 중유 및 기타 석유제품 포함
1. 바이오디젤

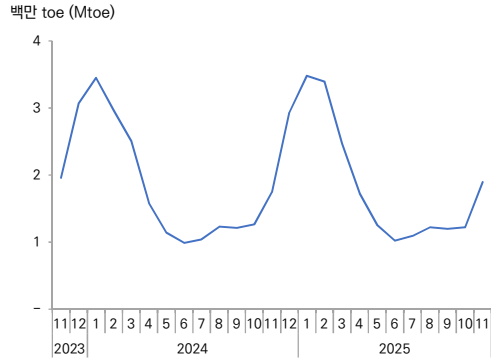
Note: Total includes jet oil, fuel oil and other petroleum products.
1. Biodiesel

● 가정 부문 에너지 소비 Energy Consumption in the Residential Sector

〈2004~2024〉

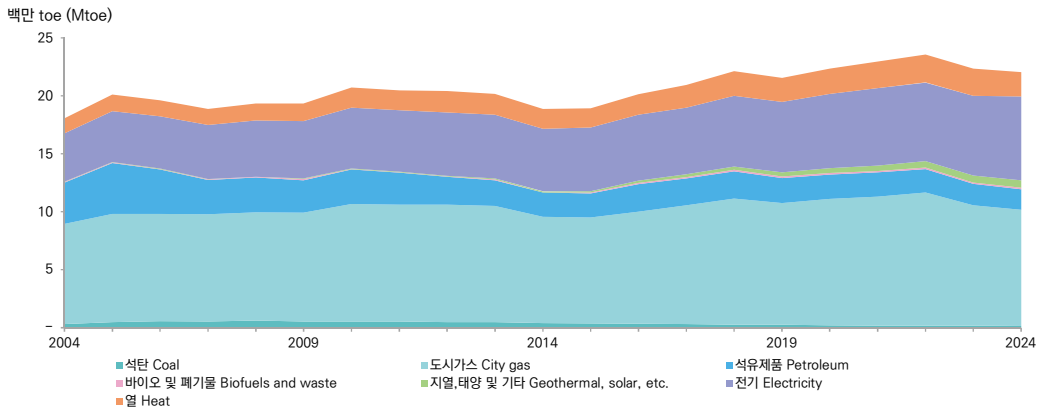


〈2023.11~2025.11〉

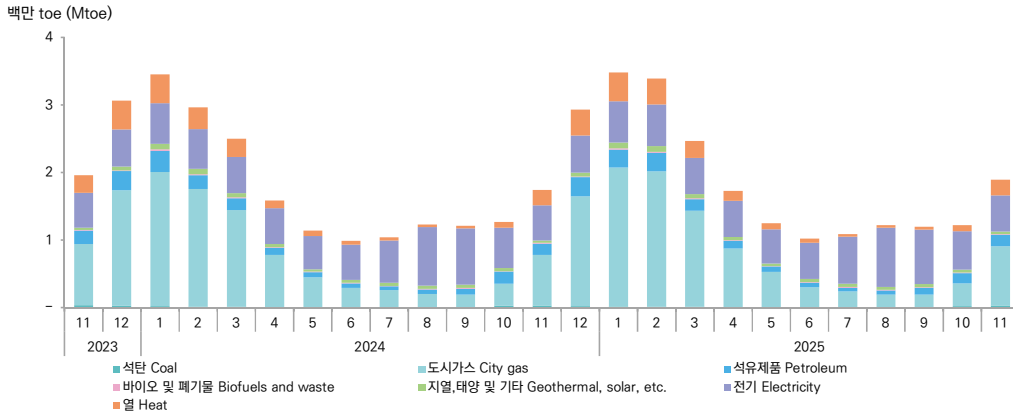


● 에너지원별 소비 Energy Consumption in the Residential Sector by Source

〈2004~2024〉



〈2023.11~2025.11〉



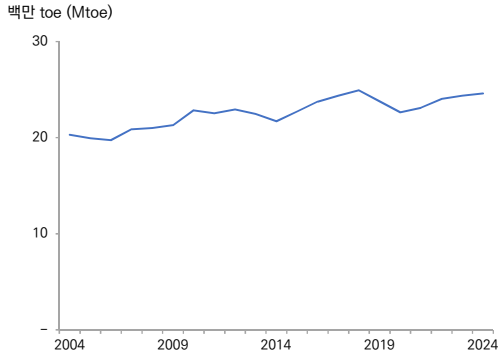
2.3.3 가정 부문 소비

Energy Consumption in the Residential Sector

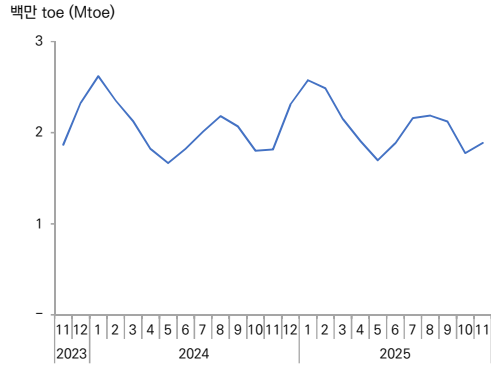
		합계 Total	석탄 Coal	도시가스 City gas	석유제품 Petroleum	바이오 및 폐기물 Biofuels and waste	지열,태양 및 기타 Geothermal, solar, etc.	전기 Electricity	열 Heat
		1,000 toe							
1990		11,257	8,023	454	1,254	-	-	1,525	-
1995		10,712	1,327	3,655	2,656	20	17	2,434	603
2000		16,284	450	7,353	4,099	43	35	3,191	1,113
2002		17,791	285	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		20,117	483	9,344	4,386	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		23,575	198	11,469	2,026	127	567	6,756	2,432
2023		22,334	182	10,392	1,832	129	598	6,870	2,331
2024 ^P		22,057	160	10,018	1,769	135	625	7,261	2,089
2023	11	1,959	38	904	199	8	35	515	260
	12	3,064	29	1,706	285	12	55	550	427
2024 ^P	1	3,452	22	1,988	312	18	84	601	426
	2	2,964	15	1,742	201	17	78	591	320
	3	2,501	13	1,429	179	14	63	533	271
	4	1,584	6	776	104	10	45	527	115
	5	1,140	3	445	77	8	35	491	82
	6	989	3	292	63	10	45	520	56
	7	1,042	1	257	56	10	44	625	48
	8	1,229	2	204	65	10	45	867	36
	9	1,213	8	187	84	11	49	835	38
	10	1,266	30	323	179	10	45	596	83
	11	1,744	32	752	166	8	36	522	229
	12	2,934	25	1,623	282	12	55	552	385
2025 ^P	1	3,481	17	2,056	267	19	86	610	427
	2	3,393	15	2,001	276	18	82	614	388
	3	2,469	10	1,427	168	14	63	534	253
	4	1,725	6	871	113	10	46	537	142
	5	1,250	2	526	80	8	36	505	92
	6	1,020	2	299	67	10	47	538	57
	7	1,090	1	240	51	11	49	694	42
	8	1,220	2	192	60	10	45	874	37
	9	1,196	7	187	98	10	47	804	42
	10	1,222	22	338	151	9	43	568	92
	11	1,896	32	874	174	8	37	540	230
2024 ^P	1-11	19,123	135	8,396	1,486	124	571	6,708	1,704
2025 ^P	1-11	19,962	117	9,012	1,504	126	581	6,819	1,802

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

〈2004~2024〉

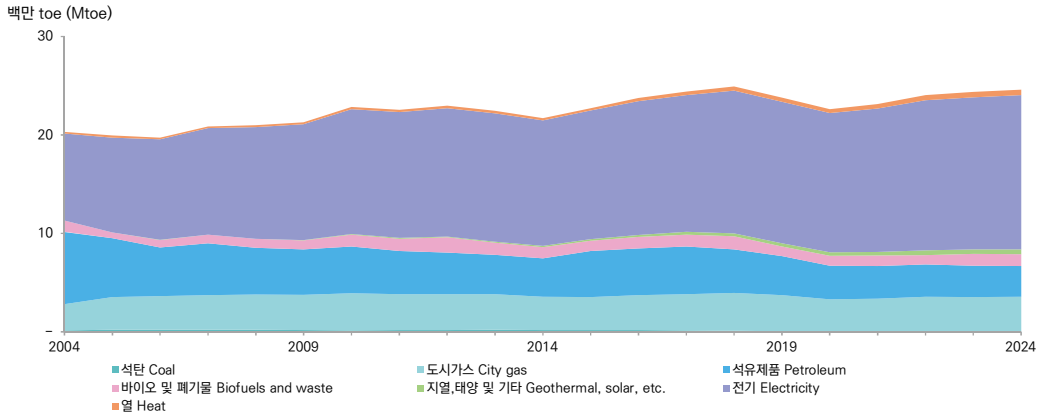


〈2023.11~2025.11〉

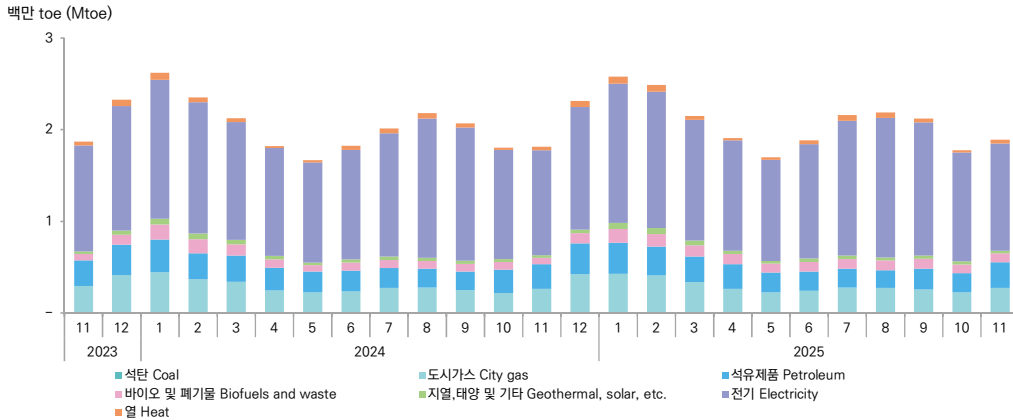


● 에너지원별 소비 Energy Consumption in the Commercial & Public Sector by Source

〈2004~2024〉



〈2023.11~2025.11〉



2.3.4 상업·공공 부문 소비

Energy Consumption in the Commercial & 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		10,937	563	323	8,642	-	-	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		19,948	191	3,333	5,986	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		22,464	207	3,586	4,027	1,228	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		24,387	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		24,054	1	3,558	3,290	945	473	15,271	514
2023		24,375	1	3,526	3,193	1,188	475	15,432	558
2024 ^p		24,600	1	3,565	3,107	1,207	480	15,689	551
2023	11	1,867	0	294	280	70	28	1,155	41
	12	2,328	0	412	332	108	43	1,360	71
2024 ^p	1	2,620	0	445	354	164	64	1,516	76
	2	2,351	0	366	283	155	61	1,432	53
	3	2,125	0	340	286	122	49	1,285	43
	4	1,821	0	248	247	92	37	1,178	20
	5	1,666	0	225	226	70	28	1,093	24
	6	1,822	0	237	225	89	35	1,193	43
	7	2,013	0	271	220	88	35	1,347	53
	8	2,182	0	277	206	84	34	1,519	62
	9	2,069	0	250	200	85	34	1,453	46
	10	1,802	0	216	256	83	33	1,191	23
	11	1,815	0	265	268	69	27	1,146	40
	12	2,314	0	424	337	107	43	1,336	68
2025 ^p	1	2,577	0	429	338	148	65	1,521	76
	2	2,488	0	409	314	138	64	1,489	74
	3	2,148	0	337	280	124	50	1,316	41
	4	1,907	0	264	269	110	38	1,202	24
	5	1,698	0	224	215	97	28	1,108	25
	6	1,884	0	242	209	108	36	1,245	44
	7	2,158	0	278	204	107	37	1,471	61
	8	2,188	0	273	192	107	34	1,520	61
	9	2,121	0	254	230	108	35	1,450	44
	10	1,776	0	225	211	93	34	1,187	26
	11	1,888	0	276	276	99	28	1,170	39
2024 ^p	1-11	22,286	1	3,141	2,770	1,099	438	14,354	483
2025 ^p	1-11	22,833	1	3,210	2,739	1,240	449	14,679	514

1. 수력 포함

1. Includes Hydro.

2.4 사용 용도별 최종소비

Total Final Consumption by Energy Use

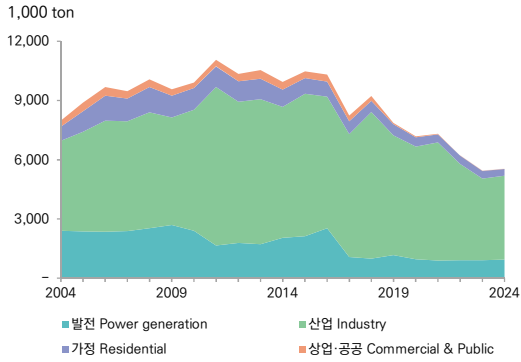
		합계 Total	전력(수송제외) Electricity (excludes transport)	수송(동력) Transport	원료 Petrochemical feedstock	열 ¹ Thermal energy ¹
		1,000 toe				
1990		71,133	7,910	12,140	2,304	48,779
1995		116,507	13,677	22,920	15,581	64,329
2000		141,000	20,098	25,007	25,571	70,324
2002		150,319	23,389	28,007	26,994	71,929
2003		154,107	24,596	29,001	26,531	73,979
2004		156,559	26,140	29,178	28,525	72,716
2005		159,700	27,848	29,565	29,603	72,684
2006		162,883	29,209	30,928	30,864	71,882
2007		167,623	30,899	30,496	33,775	72,454
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		193,597	39,070	31,502	41,123	81,902
2013		194,844	39,756	32,017	42,063	81,009
2014		195,773	39,931	32,406	43,165	80,270
2015		198,704	40,440	34,509	44,228	79,527
2016		206,217	41,461	36,029	47,769	80,958
2017		213,148	42,336	36,260	49,982	84,570
2018		214,407	43,874	36,227	49,287	85,020
2019		212,133	43,357	37,193	49,439	82,144
2020		203,932	42,447	34,745	45,721	81,018
2021		216,245	44,430	36,636	50,068	85,111
2022		213,481	45,597	36,298	49,250	82,336
2023		208,506	45,389	35,334	46,248	81,535
2024 ^P		212,348	45,654	34,970	50,408	81,316
2023	11	17,443	3,559	2,985	3,777	7,122
	12	19,351	3,839	3,015	3,969	8,529
2024 ^P	1	20,655	4,133	3,025	4,294	9,203
	2	18,285	3,884	2,441	4,032	7,927
	3	18,635	3,769	2,970	4,242	7,654
	4	17,037	3,551	2,770	4,212	6,505
	5	16,436	3,411	3,058	4,182	5,786
	6	16,743	3,551	3,246	4,222	5,724
	7	16,301	3,908	2,445	4,222	5,725
	8	17,721	4,360	3,174	4,424	5,763
	9	16,895	4,189	2,913	4,226	5,567
	10	17,432	3,655	3,250	4,288	6,239
	11	16,913	3,475	2,665	4,128	6,645
	12	19,294	3,768	3,013	3,935	8,578
2025 ^P	1	19,670	4,059	2,439	4,382	8,790
	2	18,560	3,918	2,512	3,898	8,231
	3	18,223	3,746	3,025	4,036	7,416
	4	17,251	3,575	3,074	4,029	6,573
	5	16,302	3,410	2,551	4,412	5,929
	6	16,037	3,559	2,841	3,935	5,701
	7	17,742	4,052	3,087	4,941	5,662
	8	16,977	4,329	2,968	4,263	5,417
	9	16,988	4,200	3,040	4,212	5,536
	10	16,426	3,487	3,012	4,174	5,752
	11	16,656	3,488	2,458	4,024	6,685
2024 ^P	1-11	193,054	41,885	31,957	46,473	72,738
2025 ^P	1-11	190,831	41,824	31,007	46,307	71,693

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

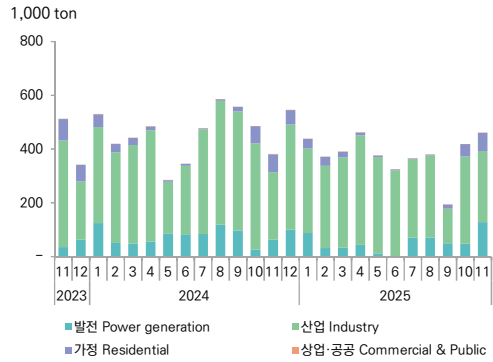
1. Thermal energy

● 무연탄 소비 Anthracite Consumption

〈2004~2024〉

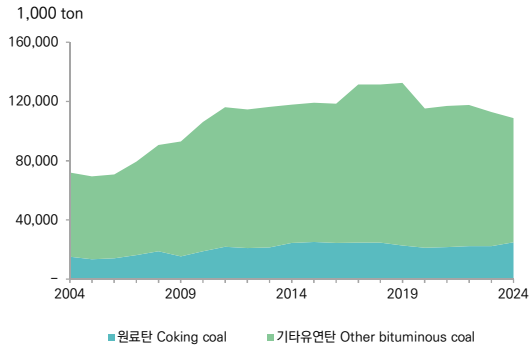


〈2023.11~2025.11〉

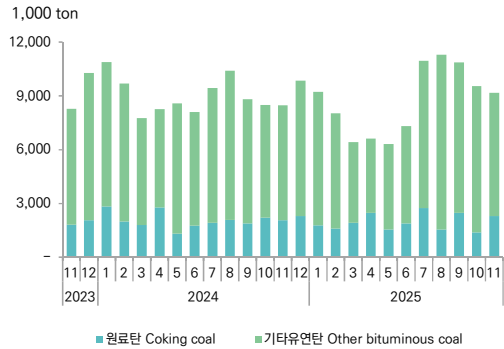


● 유연탄 수입 Bituminous Coal Imports

〈2004~2024〉

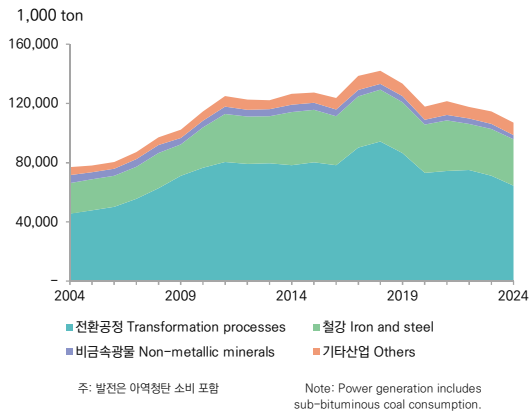


〈2023.11~2025.11〉

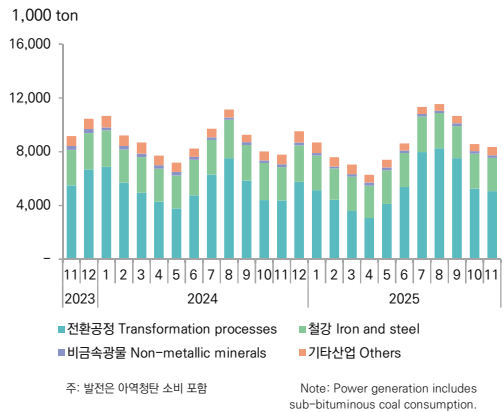


● 유연탄 소비 Bituminous Coal Consumption

〈2004~2024〉



〈2023.11~2025.11〉



주: 발전은 지역청탄 소비 포함

Note: Power generation includes sub-bituminous coal consumption.

주: 발전은 지역청탄 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	19,315
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	7,511
2011		2,084	8,816	133	116	17	11,013	2,200	8,813	1,659	9,397
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	8,808
2014		1,748	8,294	-153	-142	-11	9,862	1,606	8,256	2,044	7,892
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	7,169
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		646	4,639	111	111	-	5,395	757	4,638	917	4,512
2024 ^P		543	4,794	206	206	-	5,543	749	4,794	941	4,597
2023	11	61	435	31	31	-	527	92	435	36	477
	12	48	227	45	45	-	320	93	227	63	278
2024 ^P	1	53	413	59	59	-	525	112	413	125	405
	2	40	359	17	17	-	416	57	359	51	369
	3	49	393	-2	-2	-	440	47	393	49	393
	4	49	471	-	-	-	520	49	471	56	428
	5	44	198	-19	-19	-	223	25	198	87	198
	6	42	277	-9	-9	-	310	33	277	83	261
	7	45	457	-11	-11	-	491	34	457	84	393
	8	43	554	11	11	-	608	54	554	118	467
	9	39	526	22	22	-	587	61	526	98	459
	10	44	403	34	34	-	481	78	403	26	460
	11	50	263	50	50	-	363	100	263	63	319
	12	46	479	54	54	-	579	100	479	101	445
2025 ^P	1	36	328	46	46	-	410	82	328	88	350
	2	42	303	8	8	-	353	50	303	32	340
	3	35	341	10	10	-	386	45	341	33	357
	4	37	446	-	-	-	483	37	446	44	418
	5	35	366	-15	-15	-	386	20	366	11	365
	6	30	314	-28	-28	-	316	2	314	2	323
	7	28	303	13	13	-	344	41	303	72	294
	8	32	315	17	17	-	364	49	315	72	309
	9	38	96	-	-	-	133	38	96	49	145
	10	25	333	49	49	-	407	74	333	49	371
	11	42	320	63	63	-	425	105	320	128	333
2024 ^P	1-11	497	4,315	152	152	-	4,964	649	4,315	841	4,152
2025 ^P	1-11	380	3,463	163	163	-	4,006	543	3,463	580	3,604

3.2 무연탄 소비

Anthracite Consumption

	합계 ¹ Total ¹	발전 Power generation	최종소비		TFC	산업 Industry	가정 Residential	상업·공공 Commercial & Public	
			국내무연탄 Domestic	수입무연탄 Imported					
1,000 ton									
1990	21,328	2,013	1,983	30	19,315	755	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	9,472	2,392	2,156	236	7,079	5,557	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	9,915	2,404	839	1,565	7,511	6,121	1,100	290	
2011	11,056	1,659	543	1,116	9,397	8,022	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	8,808	7,332	1,037	439	
2014	9,936	2,044	250	1,794	7,892	6,638	881	373	
2015	10,480	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	7,169	6,220	651	298	
2018	9,231	992	230	762	8,239	7,436	551	253	
2019	7,866	1,165	400	765	6,701	6,061	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	4,875	419	3	
2023	5,430	917	400	517	4,512	4,124	386	3	
2024 ^P	5,538	941	400	541	4,597	4,255	340	2	
2023	11	513	36	15	21	477	396	81	1
	12	341	63	-	63	278	216	61	0
2024 ^P	1	530	125	66	59	405	358	47	0
	2	420	51	30	21	369	337	31	0
	3	442	49	25	24	393	366	27	0
	4	484	56	25	31	428	414	14	0
	5	284	87	35	52	198	192	6	0
	6	345	83	30	53	261	256	6	0
	7	477	84	30	54	393	390	3	0
	8	586	118	50	68	467	462	5	0
	9	557	98	40	58	459	442	17	0
	10	486	26	26	-	460	396	63	0
	11	382	63	24	39	319	251	67	0
	12	546	101	19	82	445	390	54	0
2025 ^P	1	438	88	63	25	350	314	36	0
	2	372	32	32	-	340	307	33	0
	3	390	33	25	8	357	335	22	0
	4	462	44	30	14	418	407	12	0
	5	376	11	11	-	365	360	5	0
	6	325	2	-	2	323	319	4	0
	7	366	72	38	34	294	291	3	0
	8	380	72	45	27	309	305	4	0
	9	195	49	20	29	145	129	16	0
	10	419	49	30	19	371	324	46	0
	11	462	128	50	78	333	265	68	0
2024 ^P	1-11	4,992	841	381	460	4,152	3,864	285	2
2025 ^P	1-11	4,185	580	344	236	3,604	3,355	248	2

1. 일차에너지소비

1. Total primary energy consumption

3.3 유연탄 및 기타석탄 수급

Bituminous and Other Coal Overview

		수입	수출	재고변화	일차에너지공급	원료탄		발전	최종소비
		Imports	Exports	Stock changes	TPES	Coking coal	기타유연탄 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	26,844
2000		62,132	5	-982	61,145	19,718	38,896	33,305	29,564
2002		66,594	2	327	66,920	14,930	50,036	40,143	30,374
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	48,855
2015		126,671	1	-1,811	124,859	24,518	92,992	80,351	47,557
2016		125,507	1	-712	124,794	25,541	92,216	78,091	45,985
2017		141,674	135	134	141,674	24,666	106,863	89,848	48,660
2018		140,969	63	1,662	142,568	25,657	107,525	93,801	48,162
2019		134,933	17	-1,646	133,271	21,837	109,184	86,290	47,165
2020		117,600	159	1,415	118,856	21,005	95,784	72,312	45,074
2021		119,625	313	802	120,114	21,333	96,575	73,779	47,376
2022		120,179	28	-599	119,551	22,198	94,954	74,545	43,024
2023		115,122	0	1,060	116,182	23,056	90,936	70,838	43,905
2024 ^P		111,072	1	-1,792	109,279	24,199	82,811	63,895	42,875
2023	11	8,507	0	411	8,918	1,800	6,881	5,424	3,694
	12	10,518	0	409	10,927	2,197	8,497	6,599	3,795
2024 ^P	1	11,148	0	-116	11,032	2,791	7,992	6,810	3,818
	2	9,911	0	-240	9,671	1,897	7,549	5,633	3,524
	3	7,864	0	-251	7,613	1,682	5,832	4,884	3,747
	4	8,492	0	-203	8,289	2,361	5,693	4,245	3,459
	5	8,748	0	-289	8,459	1,476	6,823	3,762	3,450
	6	8,201	0	-475	7,725	1,716	5,920	4,730	3,479
	7	9,682	0	133	9,814	2,107	7,477	6,230	3,445
	8	10,573	0	490	11,063	2,280	8,615	7,446	3,651
	9	8,968	0	196	9,164	1,738	7,265	5,783	3,440
	10	8,668	0	-364	8,305	1,917	6,223	4,342	3,636
	11	8,653	0	-799	7,853	1,977	5,705	4,338	3,434
	12	10,165	0	127	10,291	2,257	7,718	5,690	3,793
2025 ^P	1	9,403	0	416	9,819	2,094	7,553	5,068	3,571
	2	8,184	0	-395	7,789	1,649	5,983	4,360	3,185
	3	6,672	0	66	6,738	2,079	4,416	3,577	3,470
	4	6,744	0	-859	5,886	2,158	3,600	3,075	3,257
	5	6,577	0	781	7,358	1,538	5,555	4,096	3,316
	6	7,349	0	1,040	8,389	2,083	6,284	5,328	3,270
	7	11,234	0	1,266	12,500	2,753	9,473	7,918	3,408
	8	11,461	0	-479	10,982	1,599	9,226	8,193	3,301
	9	11,202	0	305	11,507	2,371	8,807	7,467	3,215
	10	9,783	0	-611	9,171	1,530	7,409	5,194	3,408
	11	9,397	0	-1,043	8,354	1,977	6,159	5,046	3,352
2024 ^P	1-11	100,907	1	-1,919	98,988	21,942	75,093	58,204	39,082
2025 ^P	1-11	98,007	1	487	98,493	21,831	74,465	59,321	36,752

주: 유연탄 및 기타석탄은 원료탄, 기타유연탄, 아역청탄, 갈탄, 토탄, 고행연료, 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	11	-	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		115,122	22,231	90,701	1,891	0	72	0	226
2024 ^P		111,072	24,962	83,841	1,986	0	78	1	204
2023	11	8,507	1,818	6,453	212	-	5	-	19
	12	10,518	2,068	8,217	212	-	4	-	17
2024 ^P	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 ^P	1	9,403	1,781	7,450	146	0	9	-	17
	2	8,184	1,601	6,426	142	0	6	-	8
	3	6,672	1,908	4,522	217	0	9	0	16
	4	6,744	2,469	4,147	72	-	7	-	49
	5	6,577	1,550	4,761	235	-	11	-	19
	6	7,349	1,887	5,441	0	0	10	-	13
	7	11,234	2,754	8,207	214	-	10	0	48
	8	11,461	1,548	9,756	140	-	8	0	10
	9	11,202	2,469	8,404	256	0	6	-	67
	10	9,783	1,388	8,162	147	0	9	-	77
	11	9,397	2,303	6,876	143	-	6	-	71
2024 ^P	1-11	100,907	22,667	76,287	1,706	0	73	1	174
2025 ^P	1-11	98,007	21,658	74,151	1,712	0	90	0	394

3.5 유연탄 소비

Bituminous Coal Consumption

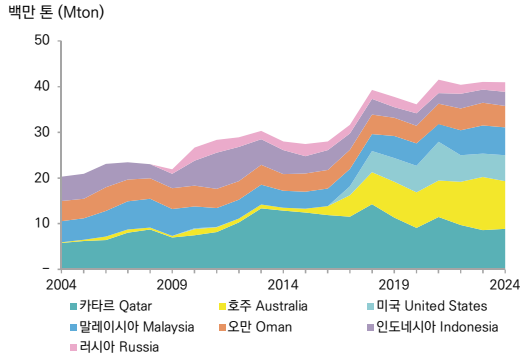
		합계 ¹	전환공정 ²	산업	철강	비금속광물	기타
		Total ¹	Transformation processes ²	Industry	Iron and steel	Non-metallic minerals	Others
1,000 ton							
1990		23,111	5,724	17,387	12,457	4,030	900
1995		40,362	13,752	26,610	17,890	6,831	1,889
2000		62,544	33,305	29,239	19,631	5,308	4,300
2002		70,158	40,143	30,015	20,205	5,669	4,141
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		126,572	78,227	48,344	35,991	4,916	7,437
2015		127,386	80,354	47,032	35,310	4,650	7,072
2016		123,773	78,256	45,516	33,071	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	42,641	31,151	3,657	7,832
2023		114,736	71,129	43,607	31,531	3,479	8,597
2024 ^P		107,104	64,512	42,592	31,360	2,743	8,490
2023	11	9,161	5,492	3,669	2,635	302	732
	12	10,446	6,672	3,774	2,712	299	763
2024 ^P	1	10,662	6,885	3,777	2,697	223	857
	2	9,213	5,704	3,510	2,457	243	810
	3	8,679	4,955	3,724	2,628	274	822
	4	7,698	4,267	3,432	2,466	275	690
	5	7,190	3,762	3,428	2,457	265	706
	6	8,233	4,770	3,463	2,615	228	619
	7	9,711	6,286	3,425	2,591	186	648
	8	11,144	7,508	3,636	2,865	182	589
	9	9,261	5,843	3,418	2,651	209	557
	10	8,013	4,399	3,614	2,753	203	658
	11	7,784	4,375	3,409	2,467	233	709
	12	9,517	5,760	3,758	2,712	222	823
2025 ^P	1	8,685	5,140	3,544	2,579	165	800
	2	7,590	4,420	3,171	2,332	156	682
	3	7,038	3,594	3,444	2,534	200	711
	4	6,277	3,075	3,202	2,406	214	582
	5	7,401	4,115	3,286	2,505	214	568
	6	8,617	5,370	3,247	2,522	185	540
	7	11,318	7,969	3,349	2,648	169	533
	8	11,535	8,251	3,284	2,620	166	497
	9	10,665	7,524	3,142	2,390	195	557
	10	8,576	5,253	3,322	2,600	185	537
	11	8,336	5,061	3,276	2,476	197	603
2024 ^P	1-11	97,587	58,752	38,835	28,647	2,521	7,666
2025 ^P	1-11	96,038	59,770	36,268	27,610	2,047	6,611

주: 아역청탄 포함
 1. 일차에너지소비
 2. 발전전용, 석탄합성가스제조

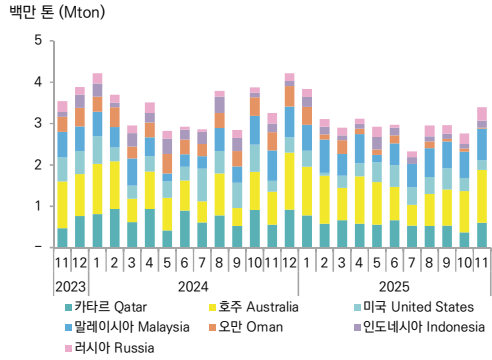
Note: Includes sub-bituminous coal.
 1. Total primary energy consumption
 2. Includes electricity-only plants and coal-to-gas plants.

● 천연가스 수입 Natural Gas Imports

〈2004~2024〉

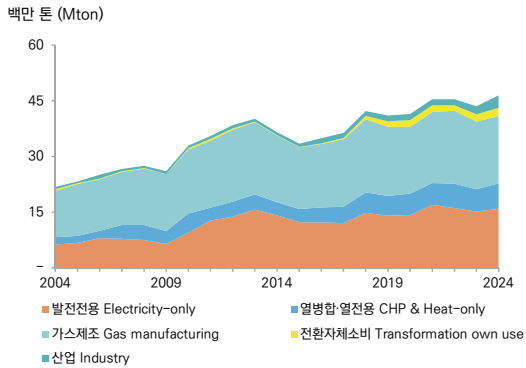


〈2023.11~2025.11〉

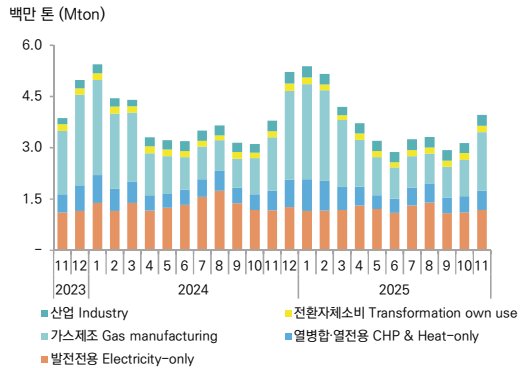


● 천연가스 소비 Natural Gas Consumption

〈2004~2024〉

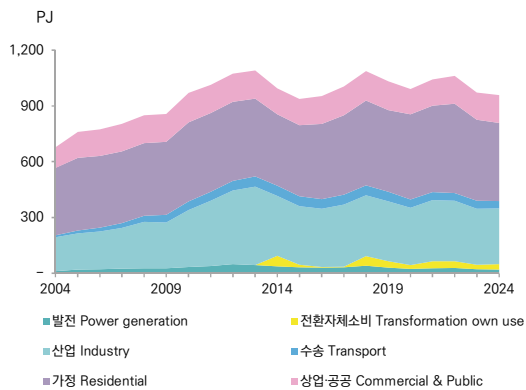


〈2023.11~2025.11〉

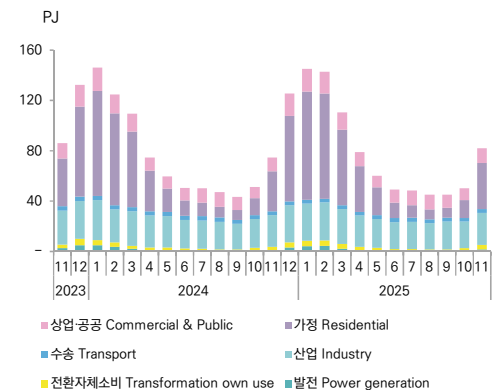


● 도시가스 소비 City Gas consumption

〈2004~2024〉



〈2023.11~2025.11〉



4.1 천연가스 수급

Natural Gas Overview

		생산 Production	수입 Imports	재고변화 Stock changes	일차에너지공급 TPES	전환공정 ¹ Transformation processes ¹	최종소비 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	23,892	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	824	27,029	25,228	700
2010		415	32,603	-956	32,063	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	200	33,710	32,513	868
2016		118	33,453	1,339	34,911	33,404	1,367
2017		261	37,537	-613	37,185	34,620	1,401
2018		234	44,015	-2,067	42,183	39,988	1,367
2019		198	40,748	305	41,252	38,038	1,476
2020		142	39,982	1,183	41,282	38,024	1,591
2021		42	45,932	-321	45,631	41,971	1,605
2022		-	46,394	-1,206	45,180	42,318	1,621
2023		-	44,117	-743	43,362	39,355	2,159
2024 ^p		-	46,318	237	46,537	40,923	3,290
2023	11	-	3,718	-60	3,655	3,492	179
	12	-	4,969	-101	4,863	4,546	242
2024 ^p	1	-	4,852	535	5,387	4,987	264
	2	-	4,202	653	4,854	4,003	247
	3	-	3,576	394	3,967	4,024	194
	4	-	4,159	-569	3,589	2,838	265
	5	-	3,585	-355	3,227	2,755	264
	6	-	3,074	-188	2,886	2,721	297
	7	-	3,041	587	3,625	3,026	291
	8	-	3,854	-91	3,760	3,218	294
	9	-	3,279	-185	3,094	2,680	272
	10	-	4,411	-1,429	2,981	2,703	253
	11	-	4,002	-33	3,967	3,304	312
	12	-	4,283	917	5,200	4,664	337
2025 ^p	1	-	4,422	1,004	5,424	4,860	331
	2	-	3,313	2,101	5,409	4,681	300
	3	-	4,254	-128	4,125	3,812	239
	4	-	3,993	-412	3,579	3,229	297
	5	-	3,972	-705	3,265	2,723	302
	6	-	3,092	-141	2,949	2,428	292
	7	-	3,601	-156	3,445	2,756	322
	8	-	4,607	-1,651	2,957	2,833	309
	9	-	3,867	-824	3,040	2,441	307
	10	-	3,291	25	3,316	2,639	300
	11	-	3,352	526	3,877	3,452	311
2024 ^p	1-11	-	42,035	-680	41,337	36,259	2,952
2025 ^p	1-11	-	41,763	-360	41,387	35,853	3,310

1. 발전전용, 열병합, 열전용, 가스제조

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

4.2 천연가스 수입

Natural Gas Imports

		수입량								수입액
		Import volume								Imports value
		합계 ¹	호주	카타르	미국	말레이시아	오만	인도네시아	러시아	
	Total ¹	Australia	Qatar	United States	Malaysia	Oman	Indonesia	Russia		
1,000 ton										mil. USD
1990		2,237	-	-	0	-	-	2,237	-	460
1995		6,756	114	-	-	1,040	-	4,892	-	1,275
2000		15,239	54	3,251	0	2,529	1,619	6,633	-	3,882
2002		17,993	176	5,123	0	2,400	3,970	5,256	-	4,120
2003		19,308	123	5,694	-	2,798	4,714	5,200	-	5,082
2004		21,781	285	5,818	0	4,638	4,411	5,290	-	6,552
2005		22,317	748	6,211	-	4,688	4,244	5,502	-	8,646
2006		25,256	701	6,458	-	5,546	5,221	5,060	-	11,925
2007		25,569	422	8,031	0	6,161	4,792	3,755	-	12,653
2008		27,259	398	8,744	-	6,247	4,544	3,053	-	19,806
2009		25,822	1,314	6,973	-	5,874	4,551	3,084	1,017	13,875
2010		32,603	1,030	7,449	232	4,745	4,557	5,451	2,933	17,006
2011		36,685	787	8,153	113	4,144	4,195	7,894	2,850	23,859
2012		36,184	832	10,278	57	4,082	4,127	7,445	2,163	27,364
2013		39,876	620	13,354	-	4,314	4,331	5,627	1,841	30,645
2014		37,107	836	12,853	-	3,673	3,726	5,176	1,913	31,403
2015		33,366	1,952	12,442	-	3,698	3,990	3,776	2,679	18,779
2016		33,453	4,695	11,880	28	3,813	4,081	4,362	1,851	12,170
2017		37,537	6,997	11,554	1,959	3,749	4,231	3,542	1,923	15,616
2018		44,015	7,871	14,245	4,658	3,702	4,282	3,447	1,930	23,189
2019		40,748	7,775	11,311	5,226	4,802	3,946	2,336	2,247	20,567
2020		39,982	7,972	9,087	5,762	4,918	3,900	2,699	2,019	15,716
2021		45,932	9,465	11,464	8,478	3,906	4,415	2,387	2,867	25,453
2022		46,394	11,651	9,727	5,759	5,516	4,757	3,226	1,962	50,022
2023		44,117	10,422	8,605	5,113	6,115	4,966	2,909	1,654	36,049
2024 ^P		46,327	11,402	8,893	5,641	6,127	4,726	3,039	2,116	29,276
2023	11	3,718	804	475	582	624	365	118	256	2,395
	12	4,969	1,377	758	550	604	442	317	190	3,821
2024 ^P	1	4,852	1,175	808	665	601	360	316	249	3,456
	2	4,202	1,166	933	336	491	481	114	190	2,707
	3	3,576	783	613	312	656	293	317	191	2,184
	4	4,159	1,140	938	368	465	349	241	253	2,549
	5	3,585	1,027	415	397	186	474	371	190	2,086
	6	3,074	812	895	334	306	355	238	65	1,846
	7	3,041	503	610	794	299	298	287	69	1,843
	8	3,854	773	779	542	555	363	394	140	2,414
	9	3,285	877	522	609	393	371	315	197	2,029
	10	4,411	998	912	655	693	448	117	126	2,851
	11	4,005	1,270	551	257	738	437	209	255	2,596
	12	4,283	880	917	374	743	496	118	190	2,715
2025 ^P	1	4,423	1,366	780	390	624	429	245	192	2,683
	2	3,313	948	572	75	799	127	180	190	1,846
	3	4,254	1,435	664	293	527	330	117	190	2,605
	4	3,993	1,285	581	315	709	130	117	127	2,364
	5	3,972	1,554	557	473	184	135	299	252	2,221
	6	3,092	555	657	524	526	195	184	69	1,686
	7	3,601	1,328	528	427	564	7	163	133	1,986
	8	4,607	1,536	526	407	701	153	125	268	2,671
	9	3,867	1,111	528	517	642	68	124	204	2,062
	10	3,291	1,058	370	315	637	71	111	260	1,692
	11	3,352	956	604	241	768	13	174	324	1,673
2024 ^P	1-11	42,044	10,523	7,975	5,267	5,384	4,230	2,920	1,926	26,561
2025 ^P	1-11	41,765	13,131	6,366	3,978	6,682	1,657	1,840	2,210	23,488

1. 기타국가 포함
자료: 한국무역협회

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

4.3 천연가스 소비

Natural Gas Consumption

		발전 및 열생산 투입			가스제조 Gas manufacturing	전환자체소비 ² Transformation own use ²	산업 Industry	
		합계 ¹ Total ¹	발전 및 열생산 투입 Power and heat production input	발전전용				
				발전전용 Electricity-only				열병합-열전용 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		25,090	10,013	7,980	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	56	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	1,476
2020		41,458	19,979	14,258	5,721	18,045	1,848	1,591
2021		45,385	22,853	16,943	5,910	19,118	1,817	1,605
2022		45,449	22,675	16,096	6,579	19,643	1,514	1,621
2023		43,526	21,226	15,134	6,092	18,129	2,020	2,159
2024 ^P		46,444	22,719	15,921	6,798	18,204	2,230	3,290
2023	11	3,866	1,643	1,101	542	1,849	196	179
	12	4,979	1,899	1,147	752	2,647	191	242
2024 ^P	1	5,444	2,200	1,379	821	2,786	193	264
	2	4,455	1,801	1,146	655	2,202	204	247
	3	4,404	2,019	1,381	637	2,006	186	194
	4	3,310	1,605	1,163	442	1,233	208	265
	5	3,217	1,649	1,246	403	1,106	198	264
	6	3,196	1,770	1,335	435	950	178	297
	7	3,500	2,077	1,557	519	950	182	291
	8	3,651	2,317	1,735	582	901	137	294
	9	3,145	1,837	1,371	465	844	192	272
	10	3,112	1,641	1,181	460	1,062	157	253
	11	3,791	1,735	1,166	569	1,569	175	312
	12	5,220	2,069	1,261	808	2,594	219	337
2025 ^P	1	5,391	2,080	1,147	933	2,780	201	331
	2	5,155	2,030	1,162	868	2,651	172	300
	3	4,196	1,850	1,181	669	1,962	144	239
	4	3,719	1,859	1,313	545	1,370	193	297
	5	3,205	1,609	1,209	400	1,114	178	302
	6	2,870	1,502	1,092	410	926	150	292
	7	3,244	1,836	1,306	530	920	167	322
	8	3,319	1,955	1,396	559	879	177	309
	9	2,932	1,542	1,090	452	899	185	307
	10	3,142	1,579	1,106	474	1,059	203	300
	11	3,956	1,746	1,176	570	1,707	193	311
2024 ^P	1-11	41,224	20,650	14,660	5,990	15,609	2,011	2,952
2025 ^P	1-11	41,129	19,587	13,177	6,410	16,266	1,963	3,310

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

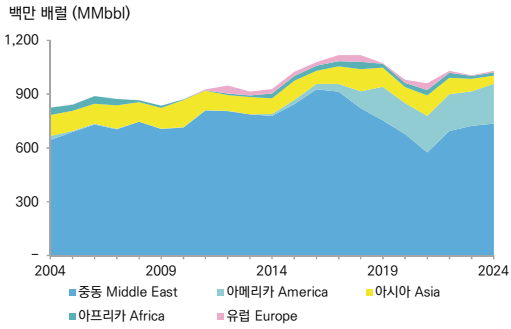
	공급 Supply			소비 Consumption							
	프로판 투입(A) Propane	LNG 투입 (B) LNG	도시가스 생산(A+B) Production	발전 및 열생산 투입 Power and heat production input	전환자체소비 ¹ Transformation own use ¹	최종소비					
						TFC	산업 Industry	수송 Transport	가정 Residential	상업·공공 Commercial & Public	
TJ											
1990	-	31,117	31,117	-	-	42,350	9,821	-	19,024	13,506	
1995	-	185,492	185,492	5,921	-	228,283	36,126	-	153,016	39,142	
2000	-	518,611	518,611	11,701	-	523,759	138,504	-	307,858	77,397	
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	10,854	992,784	1,003,638	22,748	24,352	925,489	301,410	41,359	435,096	147,624	
2024 ^P	4,393	996,894	1,001,287	19,963	28,937	908,516	300,757	39,072	419,448	149,239	
2023	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 ^P	1	1,986	152,589	154,575	4,978	4,109	136,944	31,646	3,395	83,254	18,650
	2	1,576	120,605	122,182	3,651	3,641	117,599	26,288	3,040	72,942	15,330
	3	830	109,834	110,665	2,234	2,188	104,949	27,610	3,262	59,822	14,255
	4	-	67,529	67,529	876	2,164	71,666	25,574	3,205	32,509	10,377
	5	-	60,554	60,554	1,143	1,982	56,397	25,049	3,322	18,615	9,411
	6	-	52,049	52,049	615	1,757	48,080	22,637	3,291	12,233	9,919
	7	-	52,010	52,010	457	1,646	48,108	22,515	3,474	10,768	11,350
	8	-	49,360	49,360	566	1,293	45,236	21,622	3,475	8,537	11,602
	9	-	46,193	46,193	419	1,430	41,618	20,118	3,201	7,822	10,477
	10	-	58,148	58,148	462	2,475	48,500	22,798	3,149	13,520	9,033
	11	-	85,947	85,947	1,194	2,445	71,001	25,325	3,092	31,489	11,096
	12	-	142,075	142,075	3,368	3,807	118,417	29,574	3,167	67,937	17,739
2025 ^P	1	516	152,231	152,747	4,224	4,448	136,388	29,405	2,949	86,084	17,950
	2	496	145,177	145,672	4,415	4,470	133,934	30,194	2,844	83,762	17,134
	3	519	107,429	107,948	2,085	3,984	104,586	27,696	3,060	59,740	14,091
	4	-	75,012	75,012	1,255	2,335	75,386	24,888	2,991	36,462	11,045
	5	-	61,009	61,009	1,243	1,620	57,440	22,963	3,046	22,041	9,390
	6	-	50,734	50,734	699	1,306	47,088	21,393	3,031	12,539	10,125
	7	-	50,409	50,409	687	1,337	46,433	21,418	3,332	10,049	11,635
	8	16	48,118	48,135	537	1,215	43,329	20,624	3,206	8,053	11,447
	9	171	49,213	49,384	479	1,336	43,514	21,891	3,136	7,843	10,644
	10	244	58,004	58,249	534	2,139	47,491	21,001	2,911	14,169	9,410
	11	152	93,458	93,609	1,789	3,590	76,523	25,455	2,935	36,592	11,541
2024 ^P	1-11	4,393	854,819	859,212	16,594	25,129	790,099	271,183	35,905	351,510	131,500
2025 ^P	1-11	2,113	890,795	892,908	17,946	27,780	812,114	266,927	33,441	377,333	134,412

1. 코크스, 연탄 및 석유정제품 제조

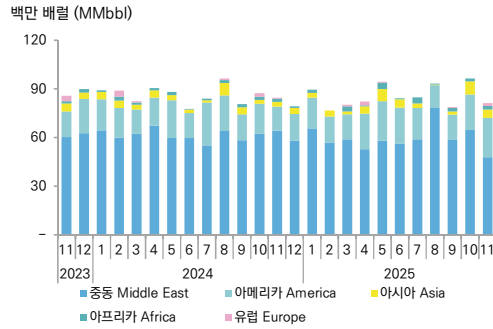
1. Production of coke oven coke, briquet and oil refinery products

● 원유 수입 Crude Oil Imports

〈2004~2024〉

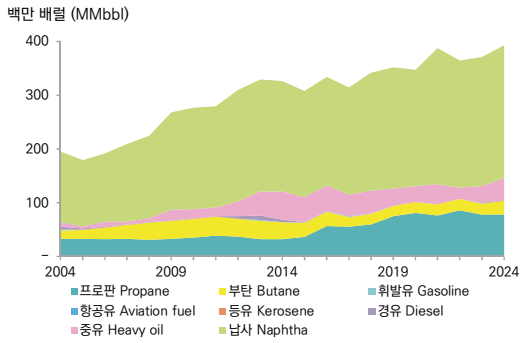


〈2023.11~2025.11〉

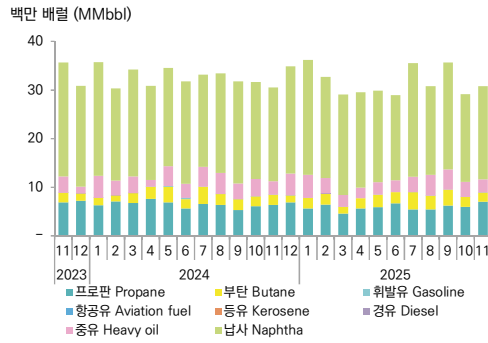


● 석유제품 수입 Petroleum Products Imports

〈2004~2024〉

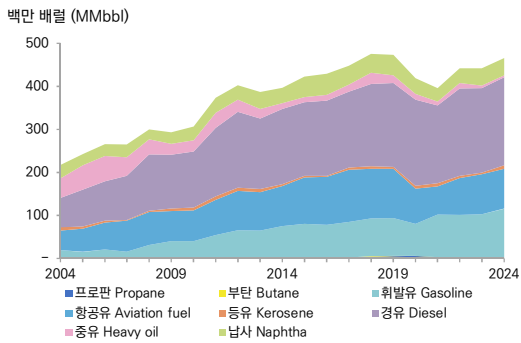


〈2023.11~2025.11〉

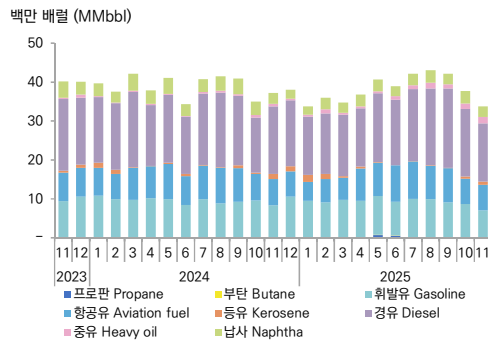


● 석유제품 수출 Petroleum Products Exports

〈2004~2024〉

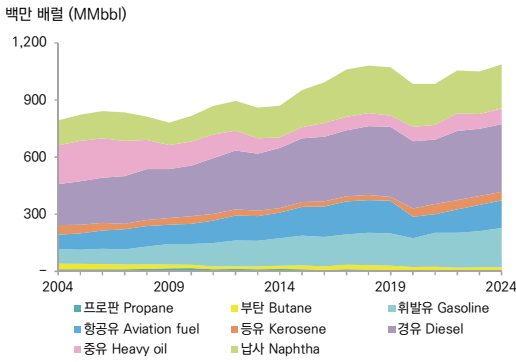


〈2023.11~2025.11〉

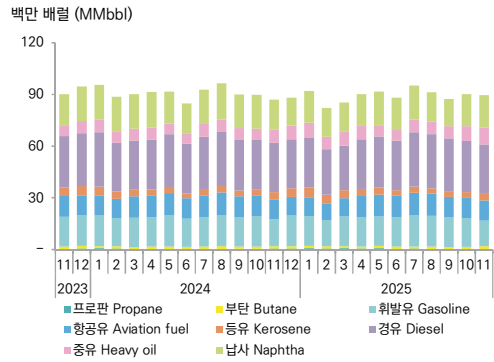


● 석유제품 생산 Petroleum Products Production

〈2004~2024〉

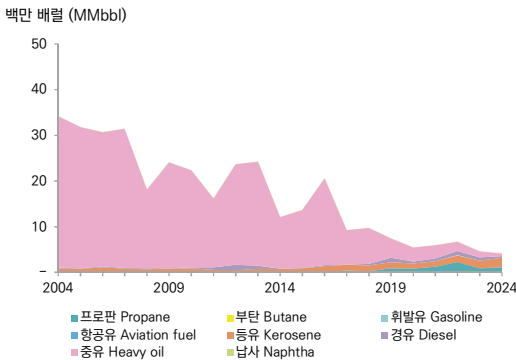


〈2023.11~2025.11〉

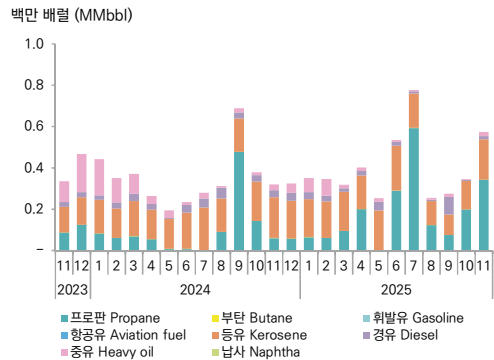


● 발전 및 열생산 투입 Power and Heat Production Input

〈2004~2024〉

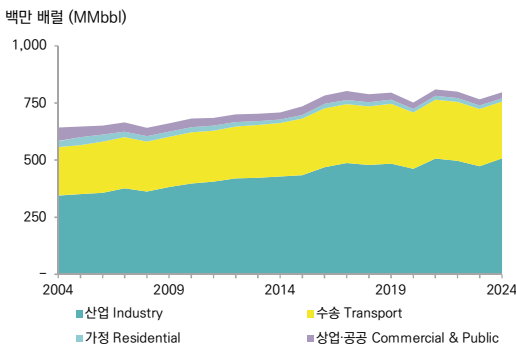


〈2023.11~2025.11〉

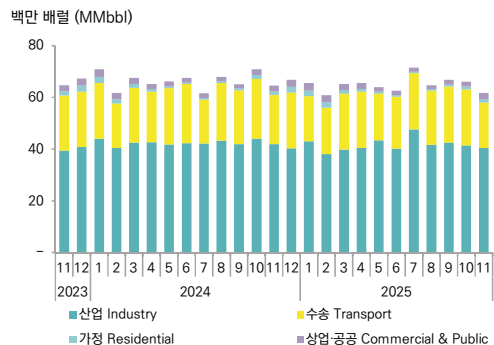


● 석유제품 부문별 최종소비 Final Consumption of Petroleum Products by Sector

〈2004~2024〉



〈2023.11~2025.11〉



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	1,448	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		-	1,018,299	2,515	4,688	1,020,472
2024 ^P		-	1,039,832	2,605	1,222	1,038,450
2023	11	-	86,447	153	343	86,638
	12	-	90,691	247	886	91,330
2024 ^P	1	-	90,437	211	-96	90,130
	2	-	89,805	339	-6,077	83,388
	3	-	83,407	286	4,564	87,685
	4	-	90,854	124	-3,361	87,369
	5	-	88,987	229	1,053	89,811
	6	-	78,931	1	3,041	81,971
	7	-	84,993	192	1,518	86,319
	8	-	97,225	247	-5,075	91,903
	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 ^P	1	-	90,632	220	-4,382	86,031
	2	-	77,147	168	284	77,263
	3	-	80,968	122	-3,074	77,772
	4	-	83,302	181	2,109	85,230
	5	-	94,819	99	-4,586	90,134
	6	-	84,719	384	2,281	86,616
	7	-	85,271	172	7,429	92,528
	8	-	94,001	243	-4,991	88,767
	9	-	79,391	119	4,643	83,915
	10	-	96,956	246	-10,941	85,769
	11	-	81,715	45	5,365	87,034
2024 ^P	1-11	-	959,604	2,332	-4,859	952,414
2025 ^P	1-11	-	948,922	2,000	-5,864	941,059

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

2. 첨가물과 기타탄화수소

자료: 국가데이터처

Crude Oil & Refinery Feedstocks Overview

전환과정 ¹ Transformation processes ¹	원유 Crude oil	정제원료 Refinery feedstocks	기타 ² Others ²	석유 정제품 생산능력지수	
				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
1,089,282	980,379	108,936	-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
1,178,689	1,027,499	151,761	-571	102.0	2024 ^p
99,640	84,942	14,703	-5	102.0	11 2023
103,386	90,417	13,048	-79	102.0	12
103,984	88,693	15,413	-123	102.0	1 2024 ^p
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
98,716	85,633	13,155	-71	102.0	1 2025 ^p
88,276	76,704	11,658	-86	102.0	2
90,780	76,826	13,905	49	102.0	3
96,984	84,344	12,694	-54	102.0	4
98,886	89,819	9,189	-122	102.0	5
94,756	86,388	8,412	-44	102.0	6
102,910	91,561	11,374	-26	102.0	7
98,616	88,428	10,164	24	102.0	8
94,648	83,021	11,683	-56	102.0	9
97,545	84,816	12,591	138	102.0	10
95,888	86,439	9,312	138	102.0	11
1,081,672	942,607	139,571	-506	102.0	1-11 2024 ^p
1,058,006	933,978	124,137	-110	102.0	1-11 2025 ^p

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

2. Additives and other hydrocarbons
Source: Ministry of Data and Statistics

5.2 국별 원유 수입

		합계 Total	중동 Middle East							
			소계 ¹ Subtotal ¹	사우디아라비아 Saudi Arabia	아랍에미레이트 UAE	이라크 Iraq	쿠웨이트 Kuwait	카타르 Qatar	오만 Oman	이란 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		1,005,770	723,134	327,603	109,866	90,514	96,195	67,782	4,911	-
2024 ^P		1,029,398	736,192	331,025	140,641	96,705	79,824	57,055	6,422	-
2023	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 ^P	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 ^P	1	89,629	65,620	30,073	11,629	7,808	7,655	6,340	2,069	-
	2	76,634	56,828	27,133	11,855	9,650	5,580	2,558	-	-
	3	80,286	59,002	28,473	13,287	7,786	6,108	3,348	-	-
	4	82,236	52,796	24,318	5,889	9,604	5,310	4,674	1,900	-
	5	94,481	58,166	26,141	6,408	10,778	9,391	5,075	-	-
	6	84,236	56,385	32,074	11,389	4,953	5,959	2,009	-	-
	7	84,890	58,972	28,546	12,147	8,866	6,612	2,801	-	-
	8	93,349	78,160	34,190	18,556	11,105	9,067	3,746	-	-
	9	78,916	58,666	26,333	10,038	9,880	5,171	5,923	500	-
	10	96,512	64,625	33,635	7,033	8,781	10,321	4,055	-	-
	11	81,208	47,993	27,519	4,830	7,793	5,325	2,526	-	-
2024 ^P	1-11	949,991	678,027	299,963	131,623	87,386	74,633	54,686	6,422	-
2025 ^P	1-11	942,377	657,212	318,437	113,061	97,004	76,500	43,056	4,469	-

1. 기타 국가 물량 포함
자료 : 한국석유공사-PEDSIS

Crude Oil Imports by Country

아메리카 America			아시아 Asia				아프리카	유럽	
소계 ¹ Subtotal ¹	미국 US	멕시코 Mexico	소계 ¹ Subtotal ¹	호주 Australia	카자흐스탄 Kazakhstan	러시아 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
222,043	168,411	26,477	44,840	26,525	11,529	-	17,973	8,350	2024 ^P
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
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
16,122	12,329	1,964	3,684	3,084	-	-	-	-	2
15,317	9,630	1,918	1,802	1,348	-	-	3,170	996	3
21,920	14,920	1,964	4,568	1,944	1,066	-	512	2,440	4
24,144	18,680	1,997	7,685	1,931	4,185	-	3,930	556	5
22,077	14,472	3,918	5,265	2,621	2,074	-	510	-	6
19,379	13,459	1,971	2,705	1,330	-	-	3,834	-	7
14,100	11,951	912	322	-	-	-	767	-	8
15,542	11,682	1,977	1,935	658	-	-	2,004	769	9
21,886	15,031	1,976	8,066	2,016	4,102	-	1,934	-	10
24,223	19,728	1,988	5,125	3,284	1,041	-	2,095	1,772	11
205,668	156,277	24,450	40,971	23,929	11,529	-	16,974	8,350	1-11
213,836	155,840	23,846	44,038	20,250	12,468	-	20,757	6,533	1-11

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					
		Oil refining input	Oil refining output	프로판 Propane	부탄 Butane	휘발유 Gasoline	항공유 Aviation fuel	등유 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	904,570	10,905	25,044	76,336	59,568	87,824
2002		809,469	826,017	9,626	30,835	76,744	67,734	62,721
2003		794,658	807,184	10,526	29,794	71,385	55,020	64,500
2004		832,238	854,861	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	910,149	11,209	26,973	80,616	95,490	41,220
2007		882,291	908,090	10,227	26,000	78,375	105,699	30,021
2008		863,787	896,189	12,968	23,218	93,710	107,675	31,846
2009		835,024	868,223	15,274	21,128	106,615	102,664	33,348
2010		869,469	901,813	17,149	18,282	108,921	105,458	39,176
2011		926,980	962,614	10,992	14,207	122,473	118,137	35,813
2012		955,613	997,912	12,542	13,797	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		1,089,282	1,111,458	4,032	18,723	151,408	112,582	44,384
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		1,149,566	1,183,019	3,887	17,936	188,916	139,254	46,318
2024 ^P		1,178,689	1,216,838	5,332	16,804	205,453	145,120	45,463
2023	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 ^P	1	103,984	107,233	712	1,268	17,858	11,618	5,088
	2	95,713	99,503	595	1,398	16,274	11,203	4,253
	3	97,948	100,773	224	1,253	17,007	12,526	3,894
	4	98,635	101,827	366	1,494	17,095	12,582	3,273
	5	99,758	102,984	290	1,601	18,051	12,805	3,042
	6	92,116	95,387	228	1,355	16,426	11,806	2,831
	7	100,795	103,741	345	1,460	17,047	12,644	3,219
	8	104,105	107,314	385	1,539	17,888	13,415	3,669
	9	96,939	100,456	452	1,449	17,016	12,059	3,268
	10	97,056	100,612	507	1,359	17,425	12,203	3,613
	11	94,623	98,021	601	1,318	15,612	11,291	4,424
	12	97,017	98,989	628	1,308	17,755	10,967	4,889
2025 ^P	1	98,716	102,830	812	1,254	17,458	10,778	5,678
	2	88,276	91,974	686	1,256	15,191	9,758	5,018
	3	90,780	94,720	725	1,292	17,157	10,607	4,598
	4	96,984	100,996	620	1,279	16,710	12,544	4,075
	5	98,886	103,130	720	1,352	17,067	12,858	3,996
	6	94,756	98,938	352	1,396	16,888	12,754	3,193
	7	102,910	106,635	640	1,176	17,995	13,171	3,471
	8	98,616	103,089	383	1,261	17,950	12,810	3,218
	9	94,648	98,921	335	1,058	17,602	11,563	3,428
	10	97,545	101,142	289	1,288	16,601	12,321	2,992
	11	95,888	99,930	359	1,665	14,755	11,812	4,207
2024 ^P	1-11	1,081,672	1,117,850	4,704	15,496	187,699	134,153	40,574
2025 ^P	1-11	1,058,006	1,102,306	5,920	14,276	185,375	130,975	43,875

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 ¹			
				Power and Heat production input ¹			
				발전전용	열병합	열전용	
경유	중유	납사	기타 ²	Electricity-only	CHP	Heat-only	
Diesel	Heavy oil	Naphtha	Others ²				
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	44,126	32,247	6,281	2,715	2000
205,437	189,808	133,103	50,008	30,017	6,386	3,387	2002
200,644	204,384	116,501	54,430	30,515	6,110	3,840	2003
215,217	202,451	131,886	61,931	24,114	5,756	4,298	2004
229,813	211,249	138,131	62,867	23,290	4,058	4,434	2005
236,329	207,786	142,343	68,184	23,530	3,644	3,533	2006
250,438	185,084	149,630	72,616	25,439	2,737	3,213	2007
267,800	151,959	124,344	82,669	13,711	2,054	2,385	2008
258,387	126,246	116,317	88,244	19,584	2,229	2,306	2009
267,196	125,491	133,950	86,192	18,201	1,767	2,403	2010
292,885	124,752	149,304	94,052	13,728	707	1,709	2011
309,772	102,513	157,159	102,317	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
351,750	76,999	224,884	126,697	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
354,706	82,992	231,016	129,953	2,644	734	787	2024 ^P
29,977	6,250	18,205	11,523	146	26	163	11 2023
30,609	7,073	20,192	11,572	191	32	245	12
31,481	7,467	20,130	11,611	192	34	217	1 2024 ^P
28,199	6,701	20,092	10,789	188	24	140	2
28,398	6,816	20,037	10,617	218	32	120	3
29,072	7,033	20,605	10,308	188	8	68	4
31,139	6,175	18,525	11,355	167	0	27	5
28,786	5,655	17,815	10,483	220	1	14	6
30,941	7,266	19,948	10,870	263	3	14	7
31,361	7,178	21,053	10,827	253	51	9	8
29,353	6,836	19,569	10,453	235	445	9	9
28,639	6,511	19,621	10,733	233	101	45	10
28,742	7,530	17,488	11,013	252	32	36	11
28,593	7,824	16,131	10,894	234	2	89	12
29,048	8,525	18,487	10,792	226	3	121	1 2025 ^P
26,401	7,083	16,817	9,765	250	12	84	2
25,957	8,215	16,876	9,292	232	43	43	3
28,858	8,205	17,934	10,773	196	171	35	4
29,768	6,340	19,688	11,340	245	9	0	5
28,725	6,103	18,680	10,847	235	258	41	6
31,590	7,438	19,618	11,537	194	528	54	7
31,277	7,364	17,146	11,681	129	81	45	8
30,498	7,077	15,898	11,462	195	30	49	9
29,487	8,537	18,666	10,961	142	161	44	10
28,356	9,721	18,673	10,381	219	294	61	11
326,113	75,168	214,885	119,059	2,410	732	699	1-11 2024 ^P
319,964	84,608	198,482	118,831	2,264	1,591	577	1-11 2025 ^P

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	306,293	86,266	-6,900	-195,158	904,570
2002		228,557	239,127	85,181	6,100	-89,651	826,017
2003		219,897	209,079	90,960	1,309	-78,832	807,184
2004		195,110	235,506	95,034	-8,585	-144,016	854,861
2005		179,354	262,647	96,055	9,518	-169,829	886,181
2006		191,560	289,070	90,973	-4,155	-192,638	910,149
2007		209,130	292,072	94,500	2,329	-175,113	908,090
2008		224,614	333,764	88,709	4,558	-193,302	896,189
2009		268,214	330,912	81,534	2,540	-141,692	868,223
2010		276,849	341,784	87,436	-3,830	-156,202	901,813
2011		279,260	408,338	86,801	624	-215,255	962,614
2012		309,856	440,897	85,213	-7,269	-223,523	997,912
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		347,376	468,529	90,868	1,198	-210,822	1,111,458
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		372,054	494,404	112,404	-6,175	-240,929	1,183,019
2024 P		393,762	514,246	125,279	7,205	-238,559	1,216,838
2023	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 P	1	35,947	44,347	10,554	1,776	-17,178	107,233
	2	30,423	41,965	9,714	-373	-21,629	99,503
	3	34,353	46,530	10,217	2,100	-20,294	100,773
	4	30,984	41,860	9,863	-547	-21,286	101,827
	5	34,577	45,541	10,337	-2,836	-24,137	102,984
	6	31,820	37,420	9,882	517	-14,966	95,387
	7	33,177	44,524	10,488	-2,394	-24,229	103,741
	8	33,447	45,905	11,396	-340	-24,194	107,314
	9	31,866	43,922	10,455	3,370	-19,141	100,456
	10	31,661	38,744	10,481	3,378	-14,186	100,612
	11	30,558	41,422	10,694	1,717	-19,841	98,021
	12	34,949	42,066	11,199	837	-17,479	98,989
2025 P	1	36,274	37,289	10,906	-10,531	-22,453	102,830
	2	32,721	39,903	9,688	343	-16,527	91,974
	3	29,113	38,462	10,163	6,570	-12,941	94,720
	4	29,632	40,605	9,402	-504	-20,879	100,996
	5	29,838	45,011	9,938	-3,152	-28,262	103,130
	6	29,059	43,403	10,290	-1,056	-25,689	98,938
	7	35,562	46,722	10,706	548	-21,318	106,635
	8	30,883	47,161	11,095	1,680	-25,693	103,089
	9	35,761	46,352	10,202	1,865	-18,929	98,921
	10	29,234	42,234	10,789	2,247	-21,542	101,142
	11	30,809	37,468	10,912	-8,728	-26,299	99,930
2024 P	1-11	358,813	472,181	114,080	6,368	-221,080	1,117,850
2025 P	1-11	348,887	464,610	114,090	-10,719	-240,532	1,102,306

1. 가정, 상업, 공공부문 합계

Petroleum Products Overview

소비 Consumption							
발전 및 열생산 투입 Power and heat production input	전환자체소비 Transformation Own Use	최종소비 TFC				건물 ¹ Building ¹	
		TFC	산업 Industry	수송 Transport	건물 ¹ Building ¹		
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	112,621	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	
31,783	32,965	646,699	350,939	214,711	81,049	2005	
30,707	33,117	650,245	357,382	223,716	69,147	2006	
31,389	34,100	664,737	376,104	223,823	64,809	2007	
18,150	38,291	641,487	361,752	218,940	60,795	2008	
24,119	36,936	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	685,589	406,387	222,535	56,668	2011	
23,699	38,174	699,837	419,819	227,457	52,561	2012	
24,235	38,481	703,082	422,641	230,691	49,749	2013	
12,062	39,214	709,143	428,462	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	41,309	752,060	461,960	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	
4,165	39,445	796,398	507,395	248,272	40,731	2024 ^P	
336	3,332	64,720	39,464	21,303	3,953	11 2023	
468	3,646	67,358	40,777	21,516	5,064	12	
443	3,626	70,988	43,970	21,560	5,458	1 2024 ^P	
352	3,317	61,740	40,364	17,338	4,038	2	
371	3,349	67,596	42,581	21,111	3,904	3	
264	3,151	65,264	42,696	19,573	2,995	4	
194	3,360	66,197	41,880	21,729	2,589	5	
236	3,108	67,601	42,294	22,872	2,435	6	
280	3,315	61,619	42,185	17,057	2,377	7	
313	3,307	67,872	43,258	22,340	2,274	8	
689	3,182	65,123	41,964	20,776	2,383	9	
379	3,195	70,843	44,007	23,260	3,577	10	
320	3,168	64,634	41,899	19,113	3,622	11	
325	3,368	66,921	40,297	21,544	5,080	12	
351	3,645	65,489	43,103	17,387	5,000	1 2025 ^P	
346	3,385	60,870	38,104	17,918	4,848	2	
318	3,378	65,205	39,866	21,615	3,724	3	
402	3,360	65,541	40,497	21,810	3,234	4	
253	3,437	63,987	43,454	18,016	2,517	5	
534	3,350	62,661	40,218	20,116	2,327	6	
776	3,615	71,634	47,636	21,814	2,185	7	
255	3,640	64,758	41,682	20,942	2,134	8	
275	3,488	66,926	42,535	21,629	2,763	9	
346	3,429	66,059	41,417	21,676	2,967	10	
575	3,305	61,744	40,409	17,587	3,748	11	
3,840	36,077	729,477	467,098	226,728	35,651	1-11 2024 ^P	
4,432	38,032	714,876	458,920	220,511	35,445	1-11 2025 ^P	

1. Sum of residential, commercial and public sector

5.4.1 프로판 수급

Propane Overview

	공급 Supply					소비 Consumption							
	수입	수출	재고변화	일차에너지 공급	석유정제 산출	발전 및 열생산 투입	전환자체소비	최종소비			수송	건물	
	Imports	Exports	Stock changes	TPES	Oil refining output	Power and heat production input	Transformation Own Use	TFC	산업	석유화학원료 Petrochem feedstock			
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	548	37,112	13,515	7,656	7	23,589	
2006	32,062	393	-124	31,545	11,209	4	387	36,458	13,986	8,047	6	22,466	
2007	32,691	329	1,434	33,796	10,227	2	719	36,800	14,657	8,219	6	22,137	
2008	31,074	258	388	31,205	12,968	2	568	34,735	15,220	8,715	25	19,490	
2009	32,399	125	188	32,462	15,274	9	842	38,485	18,730	12,552	10	19,745	
2010	35,221	910	-68	34,244	17,149	2	856	39,130	19,893	12,517	12	19,225	
2011	38,561	742	-257	37,563	10,992	1	759	36,552	18,239	11,352	12	18,301	
2012	36,916	1,563	237	35,589	12,542	1	1,152	33,643	16,488	9,031	15	17,140	
2013	32,179	821	445	31,803	11,373	1	958	34,334	17,055	10,824	28	17,250	
2014	32,266	1,049	-1,867	29,351	11,467	1	616	33,493	17,725	11,387	16	15,752	
2015	36,435	804	716	36,347	11,135	1	1,573	38,570	21,768	14,073	28	16,774	
2016	56,437	1,450	-47	54,940	8,127	1	1,766	54,486	36,516	27,561	31	17,939	
2017	55,155	1,930	-201	53,024	10,509	405	1,764	54,611	37,457	25,335	16	17,137	
2018	59,549	3,898	-817	54,835	9,127	258	1,155	55,972	38,410	29,240	16	17,546	
2019	74,600	5,126	585	70,059	6,833	943	2,032	67,840	50,037	39,847	17	17,786	
2020	80,930	5,826	-626	74,478	4,032	829	2,136	70,653	52,902	41,692	17	17,734	
2021	76,363	2,850	559	74,071	6,706	1,245	1,350	72,524	54,359	40,872	17	18,148	
2022	85,845	607	-815	84,424	2,224	2,257	2,177	78,163	59,353	49,188	18	18,792	
2023	77,616	352	-871	76,393	3,887	876	2,240	70,558	51,946	39,516	18	18,594	
2024 ^P	77,847	326	1,216	78,738	5,332	1,115	1,537	78,275	59,570	47,737	18	18,687	
2023	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 ^P	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	157	7,893	6,037	5,195	2	1,854
	4	7,624	19	-966	6,639	366	55	89	7,170	5,609	4,884	2	1,559
	5	6,867	5	134	6,997	290	8	101	7,467	6,111	5,454	2	1,354
	6	5,643	-	1,048	6,691	228	8	104	7,156	5,953	5,373	1	1,203
	7	6,595	-	-279	6,317	345	1	85	6,446	5,151	4,396	1	1,294
	8	6,315	-	-383	5,932	385	90	90	6,010	4,935	4,186	1	1,074
	9	5,305	6	524	5,822	452	478	84	5,576	4,456	3,564	1	1,119
	10	6,099	12	-244	5,844	507	143	107	5,973	4,488	3,412	1	1,484
	11	6,374	5	76	6,445	601	60	150	6,208	4,563	3,273	1	1,644
	12	6,918	87	-442	6,389	628	58	180	6,182	4,099	2,704	2	2,081
2025 ^P	1	5,684	66	228	5,846	812	65	204	6,512	4,386	3,402	2	2,125
	2	6,442	10	-1,035	5,397	686	61	182	5,923	3,926	3,017	2	1,995
	3	4,600	1	1,176	5,775	725	96	138	6,060	4,389	3,589	1	1,670
	4	5,599	100	-310	5,189	620	201	97	6,146	4,550	3,818	2	1,594
	5	5,888	698	-246	4,943	720	0	112	6,284	4,999	4,438	2	1,283
	6	6,673	538	-70	6,066	352	290	97	6,724	5,588	5,017	1	1,135
	7	5,486	131	90	5,445	640	594	87	6,151	5,021	4,400	1	1,129
	8	5,397	-	-332	5,065	383	123	71	5,957	4,910	4,369	1	1,046
	9	6,254	23	-259	5,972	335	75	79	7,056	5,716	5,075	1	1,339
	10	5,943	15	-22	5,906	289	199	74	6,964	5,757	5,160	1	1,206
	11	7,020	7	33	7,046	359	343	150	7,746	6,068	5,309	1	1,676
2024 ^P	1-11	70,929	238	1,658	72,348	4,704	1,057	1,357	72,093	55,471	45,032	16	16,606
2025 ^P	1-11	64,986	1,590	-746	62,649	5,920	2,046	1,292	71,522	55,311	47,595	16	16,195

5.4.2 부탄 수급

Butane Overview

	공급 Supply						소비 Consumption						
	수입	수출	재고변화	일차에너지 공급	석유정제 산출	발전 및 열생산 투입	전환자체소비	최종소비					
	Imports	Exports	Stock changes	TPES	Oil refining output	Power and heat production input	Transformation Own Use	TFC	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	51,109	6,047	4,641	43,148	1,914	
2006	21,941	369	355	21,926	26,973	0	4	53,596	7,490	6,262	44,660	1,446	
2007	25,481	204	465	25,742	26,000	0	8	56,736	7,900	6,625	47,498	1,339	
2008	31,967	115	69	31,922	23,218	0	53	62,042	13,267	12,052	47,638	1,137	
2009	33,792	1	175	33,966	21,128	-	6	62,346	12,406	11,131	48,947	993	
2010	34,408	1	-287	34,121	18,282	-	4	58,276	8,900	7,475	48,599	778	
2011	35,379	163	-256	34,960	14,207	-	3	54,808	7,342	6,202	46,223	1,243	
2012	33,030	222	139	32,948	13,797	3	10	52,615	6,440	5,029	44,640	1,534	
2013	33,790	36	370	34,123	14,405	10	39	54,231	9,151	7,599	43,634	1,446	
2014	31,267	299	-543	30,424	17,560	3	456	52,430	9,823	8,128	40,888	1,719	
2015	26,277	439	-50	25,788	18,935	7	100	47,233	5,140	3,457	40,420	1,673	
2016	26,834	417	458	26,875	18,142	7	92	47,257	7,353	5,570	38,618	1,285	
2017	18,124	483	-518	17,123	23,422	6	106	43,376	5,479	3,852	36,157	1,741	
2018	19,776	1,044	-86	18,645	24,200	6	85	44,472	9,270	7,142	33,709	1,492	
2019	19,493	681	521	19,332	22,216	6	81	43,096	8,821	7,081	33,198	1,078	
2020	20,235	218	-235	19,781	18,723	5	72	38,351	8,525	6,881	28,890	936	
2021	20,535	406	159	20,289	17,735	5	67	36,709	7,908	6,414	27,902	899	
2022	21,227	96	-420	20,711	17,488	5	64	37,088	8,529	7,460	27,662	897	
2023	20,786	257	-611	19,917	17,936	5	151	37,003	9,826	8,845	26,324	852	
2024 ^P	26,056	284	799	26,571	16,804	4	76	42,286	14,921	13,949	26,510	855	
2023	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 ^P	1	1,519	15	358	1,862	1,268	0	0	3,219	1,033	940	2,079	107
	2	1,284	0	4	1,287	1,398	1	1	2,774	713	629	1,974	88
	3	2,057	-	-58	2,000	1,253	0	6	3,396	1,168	1,082	2,148	80
	4	2,498	-	-147	2,352	1,494	1	10	3,538	1,368	1,293	2,107	63
	5	3,250	-	-771	2,480	1,601	0	5	3,859	1,618	1,531	2,180	61
	6	1,893	-	1,035	2,928	1,355	0	3	4,148	1,774	1,692	2,308	66
	7	3,493	21	-547	2,925	1,460	0	3	4,221	1,803	1,725	2,351	67
	8	2,283	83	358	2,558	1,539	0	7	3,942	1,551	1,483	2,338	54
	9	2,230	41	182	2,371	1,449	0	8	3,561	1,186	1,106	2,316	59
	10	1,999	41	392	2,350	1,359	0	10	3,347	987	900	2,304	56
	11	2,099	42	-420	1,638	1,318	0	13	3,078	787	701	2,222	70
	12	1,450	41	412	1,821	1,308	0	12	3,203	934	866	2,183	85
2025 ^P	1	2,163	-	-276	1,887	1,254	0	1	3,413	1,173	1,083	2,130	110
	2	2,290	-	-554	1,736	1,256	0	1	3,078	1,088	979	1,905	85
	3	1,411	-	363	1,773	1,292	0	0	3,252	998	883	2,173	81
	4	2,147	133	390	2,405	1,279	1	6	3,698	1,354	1,277	2,276	68
	5	2,541	131	-87	2,323	1,352	0	2	3,839	1,702	1,635	2,080	58
	6	2,354	20	-215	2,119	1,396	0	1	3,602	1,305	1,241	2,233	64
	7	3,563	-	-363	3,200	1,176	0	3	4,672	2,146	2,078	2,456	70
	8	2,876	-	-116	2,760	1,261	0	8	3,981	1,492	1,433	2,434	56
	9	3,271	62	-75	3,134	1,058	0	9	3,997	1,469	1,393	2,465	63
	10	2,092	22	657	2,727	1,288	0	9	3,772	1,478	1,409	2,240	55
	11	1,898	18	-610	1,270	1,665	0	13	3,118	766	688	2,280	72
2024 ^P	1-11	24,605	243	387	24,750	15,496	4	65	39,083	13,987	13,083	24,327	770
2025 ^P	1-11	26,606	386	-886	25,334	14,276	4	53	40,423	14,971	14,097	24,672	780

5.4.3 휘발유 수급

Gasoline Overview

	공급 Supply					소비 Consumption						
	수입	수출	재고변화	일차에너지 공급 ¹	석유정제 산출	발전 및 열생산 투입	전환자체소비	최종소비	산업	수송	건물	
	Imports	Exports	Stock changes	TPES ¹	Oil refining output	P&H production input	Transformation Own Use	TFC	Industry	Transport	Building	
	1,000 bbl											
1990	-	30	-237	-284	23,985	1	9	23,672	522	22,232	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	59,559	2,059	56,928	573	
2006	-	19,927	-77	-20,005	80,616	4	4	59,871	1,893	57,399	579	
2007	-	15,336	-121	-15,458	78,375	3	5	62,498	1,611	60,432	455	
2008	-	30,911	694	-30,217	93,710	5	4	62,933	1,558	60,897	478	
2009	-	40,187	-553	-40,740	106,615	6	4	65,866	1,566	63,729	571	
2010	-	39,338	-639	-39,977	108,921	5	4	68,926	1,508	66,815	603	
2011	-	53,519	641	-52,878	122,473	3	4	69,571	1,555	67,448	568	
2012	84	63,492	-1,898	-65,306	136,490	3	3	71,762	1,503	69,624	635	
2013	1,718	64,013	37	-62,258	134,758	3	10	73,407	1,547	71,162	698	
2014	-	73,327	615	-72,712	145,127	1	3	73,471	1,461	71,186	825	
2015	387	79,293	-658	-79,565	156,999	4	3	76,566	1,430	74,265	871	
2016	1,391	76,258	-593	-75,460	154,036	0	3	78,926	1,348	76,897	680	
2017	1,127	82,217	21	-81,069	160,624	0	3	79,616	1,500	77,518	598	
2018	174	87,895	-1,503	-89,223	169,511	0	3	79,683	1,388	77,710	584	
2019	130	87,872	1,045	-86,697	170,280	0	2	82,750	1,353	80,942	455	
2020	0	74,147	1,229	-72,918	151,408	0	2	80,965	1,298	79,388	278	
2021	299	98,370	-539	-98,611	178,751	0	2	84,873	1,189	83,389	295	
2022	86	100,335	-396	-100,646	183,838	0	2	88,368	1,128	86,957	283	
2023	804	101,997	-762	-101,956	188,916	0	2	90,361	1,110	88,959	292	
2024 ^P	383	114,973	395	-114,195	205,453	0	2	95,043	1,147	93,601	294	
2023	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 ^P	1	-	10,793	756	-10,038	17,858	0	0	8,008	91	7,895	22
	2	-	9,775	-408	-10,183	16,274	0	0	6,640	75	6,543	22
	3	-	9,755	-136	-9,891	17,007	0	0	7,992	85	7,884	23
	4	-	10,197	843	-9,354	17,095	0	0	7,157	107	7,027	23
	5	86	9,881	-507	-10,302	18,051	0	0	7,975	89	7,861	25
	6	297	8,475	310	-7,869	16,426	0	0	8,700	94	8,580	26
	7	-	9,892	-219	-10,111	17,047	0	0	7,008	93	6,889	26
	8	-	8,777	-580	-9,357	17,888	0	0	8,946	84	8,834	28
	9	-	9,201	271	-8,930	17,016	-	0	8,392	107	8,261	24
	10	-	9,565	606	-8,959	17,425	0	0	8,664	127	8,511	26
	11	-	8,265	-918	-9,183	15,612	0	0	7,377	97	7,253	27
	12	-	10,397	379	-10,018	17,755	-	0	8,182	97	8,061	24
2025 ^P	1	-	9,433	-1,583	-11,017	17,458	0	0	6,982	72	6,889	21
	2	-	9,040	1,696	-7,344	15,191	0	0	7,137	69	7,047	21
	3	-	9,703	207	-9,496	17,157	0	0	8,350	79	8,247	24
	4	-	9,241	759	-8,482	16,710	0	0	8,248	104	8,117	27
	5	-	9,888	-135	-10,022	17,067	0	0	7,292	98	7,168	26
	6	-	8,762	-650	-9,412	16,888	0	0	7,909	103	7,782	24
	7	-	9,881	417	-9,464	17,995	0	0	8,856	73	8,754	28
	8	-	9,915	523	-9,392	17,950	0	0	8,793	105	8,660	28
	9	-	9,024	-350	-9,374	17,602	-	0	8,712	114	8,570	28
	10	-	8,627	433	-8,195	16,601	0	0	8,865	97	8,742	25
	11	-	7,038	-1,224	-8,262	14,755	0	0	7,083	108	6,952	23
2024 ^P	1-11	383	104,576	16	-104,178	187,699	0	2	86,861	1,051	85,540	270
2025 ^P	1-11	-	100,552	92	-100,460	185,375	0	2	88,227	1,024	86,928	275

1. 국내생산(+), 국제번거림(-), 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 ¹	석유정제 산출	발전 및 열생산 투입	전환자체소비	최종소비				
	Imports	Exports	Intl. Aviation Bunkers	Stock changes	TPES ¹	Oil refining output	P&H production input	Transformation 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	27,422	1,682	-80,272	84,904	-	0	4,832	15	93	4,724
2006		3	62,399	22,236	-556	-85,188	95,490	-	0	10,686	14	7,297	3,375
2007		2	72,350	30,942	-1,023	-104,312	105,699	-	0	3,700	1	479	3,221
2008		251	76,869	28,230	1,054	-103,793	107,675	-	-	5,229	1	2,223	3,006
2009		2	69,819	26,889	201	-96,504	102,664	-	-	6,120	0	2,672	3,448
2010		6	71,449	29,935	-262	-101,641	105,458	-	-	6,188	0	2,715	3,473
2011		16	81,239	30,191	-394	-111,808	118,137	-	-	7,401	0	3,748	3,653
2012		18	91,539	30,208	-562	-122,291	130,697	-	-	9,623	0	6,167	3,455
2013		17	89,534	31,895	-727	-122,139	129,990	-	-	8,735	3	5,248	3,484
2014		6	93,840	31,973	940	-124,867	135,208	-	0	11,356	0	7,855	3,501
2015		4	107,272	32,882	337	-139,813	151,720	-	-	13,057	9	9,371	3,677
2016		7	111,378	36,733	-1,164	-149,268	160,738	-	-	12,673	5	9,180	3,488
2017		3	121,203	37,604	-1,238	-160,042	174,006	-	-	13,370	2	9,793	3,575
2018		3	115,417	39,620	-810	-155,845	170,998	-	-	13,724	2	10,033	3,689
2019		3	114,850	40,375	108	-155,114	170,766	-	-	13,120	3	9,833	3,284
2020		5	82,248	25,204	1,605	-105,842	112,582	-	-	7,793	2	4,484	3,307
2021		5	65,465	19,801	1,150	-84,111	97,182	-	-	15,531	5	12,075	3,451
2022		2	85,772	24,850	-58	-110,677	122,855	-	0	15,606	5	12,038	3,563
2023		304	92,805	40,266	-933	-133,699	139,254	-	-	9,519	10	6,438	3,071
2024 ^P		14	92,872	49,565	633	-141,790	145,120	-	-	6,730	8	3,472	3,250
2023	11	0	7,285	3,898	-699	-11,882	12,139	-	-	457	1	248	208
	12	0	7,461	3,831	-121	-11,413	11,753	-	-	498	1	319	177
2024 ^P	1	0	7,090	4,012	552	-10,550	11,618	-	-	624	1	361	262
	2	0	6,467	3,733	-187	-10,387	11,203	-	-	580	1	361	219
	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	0	172	276
	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	0	301	284
	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	0	272	235
	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 ^P	1	0	4,918	4,241	-728	-9,887	10,778	-	-	619	1	332	285
	2	0	6,076	3,820	536	-9,360	9,758	-	-	357	1	81	276
	3	0	5,687	4,132	-501	-10,320	10,607	-	-	573	1	254	318
	4	-	8,343	3,919	152	-12,111	12,544	-	-	723	2	290	432
	5	0	8,560	4,068	-992	-13,620	12,858	-	-	493	1	256	236
	6	-	9,268	4,102	109	-13,261	12,754	-	-	579	2	353	224
	7	0	9,611	4,466	485	-13,591	13,171	-	-	489	2	260	228
	8	0	8,582	4,540	30	-13,091	12,810	-	-	550	3	329	218
	9	0	8,797	4,263	1,375	-11,684	11,563	-	-	619	2	373	243
	10	0	6,536	4,471	-867	-11,874	12,321	-	-	556	1	372	182
	11	0	6,544	4,186	-423	-11,153	11,812	-	-	573	1	303	269
2024 ^P	1-11	14	86,306	45,099	-339	-131,730	134,153	-	-	6,347	6	3,383	2,958
2025 ^P	1-11	2	82,923	46,206	-823	-129,951	130,975	-	-	6,129	17	3,201	2,912

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 Supply					소비 Consumption						
	수입	수출	재고변화	일차에너지 공급 ¹	석유정제 산출	발전 및 열생산 투입	전환자체소비	최종소비				
	Imports	Exports	Stock changes	TPES ¹	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	60,623	
2002	6,917	10,205	3,751	455	62,721	1,064	264	58,919	7,279	203	51,437	
2003	6,624	13,144	-1,230	-7,755	64,500	1,760	308	52,740	6,551	183	46,007	
2004	1,710	7,693	1,702	-4,286	50,535	836	62	43,872	6,165	107	37,601	
2005	360	4,455	1,622	-2,474	45,271	804	37	40,094	6,352	93	33,649	
2006	259	4,763	-1,906	-6,410	41,220	1,082	28	31,839	5,536	75	26,228	
2007	514	1,250	1,102	367	30,021	808	258	26,601	5,012	55	21,534	
2008	379	2,396	1,221	-796	31,846	662	628	27,935	4,785	60	23,090	
2009	68	5,425	102	-5,256	33,348	795	43	26,096	4,592	61	21,444	
2010	331	6,462	-703	-6,834	39,176	854	22	29,541	5,456	88	23,996	
2011	417	8,960	549	-7,994	35,813	542	19	25,974	4,777	96	21,101	
2012	211	7,582	377	-6,994	32,625	483	15	22,563	4,117	162	18,284	
2013	98	6,685	-303	-6,890	28,204	685	12	19,238	3,619	58	15,562	
2014	133	4,438	560	-3,750	23,097	707	100	15,956	1,904	31	14,021	
2015	11	3,769	-531	-4,298	24,958	888	20	16,861	1,399	57	15,405	
2016	18	2,065	81	-1,972	25,688	1,382	11	19,245	1,491	18	17,737	
2017	37	5,266	447	-4,783	25,606	1,211	20	18,729	1,248	19	17,462	
2018	1	6,530	-488	-7,018	26,829	1,254	10	18,511	1,277	32	17,202	
2019	35	4,171	-235	-4,371	21,485	1,330	10	16,668	1,521	44	15,102	
2020	80	6,397	961	-5,355	44,384	1,105	4	16,831	2,256	50	14,525	
2021	216	7,878	-384	-8,046	53,657	1,191	4	16,490	2,280	38	14,171	
2022	38	5,014	387	-4,590	47,659	1,462	1	15,446	2,086	34	13,327	
2023	22	3,993	-701	-4,672	46,318	1,677	1	13,123	1,736	5	11,382	
2024 ^P	18	7,792	219	-7,555	45,463	2,037	1	12,235	1,579	6	10,650	
2023	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 ^P	1	3	1,349	433	-914	5,088	163	0	2,550	324	1	2,225
	2	10	1,170	-190	-1,350	4,253	142	0	1,462	180	1	1,281
	3	5	108	283	179	3,894	169	0	1,255	149	1	1,105
	4	-	107	-17	-125	3,273	142	0	552	70	0	482
	5	-	411	99	-312	3,042	144	0	367	51	0	316
	6	-	613	168	-445	2,831	176	0	290	44	0	246
	7	-	183	-309	-492	3,219	207	-	190	36	0	153
	8	-	246	-356	-602	3,669	162	0	388	63	0	324
	9	-	708	62	-647	3,268	161	0	513	70	0	443
	10	-	306	48	-257	3,613	190	0	1,312	162	0	1,150
	11	-	1,323	-164	-1,488	4,424	198	-	1,150	143	1	1,006
	12	-	1,266	163	-1,103	4,889	182	0	2,207	286	1	1,919
2025 ^P	1	-	1,769	-172	-1,941	5,678	184	0	2,102	268	1	1,832
	2	-	1,234	-5	-1,239	5,018	178	0	2,172	262	1	1,909
	3	-	463	202	-261	4,598	189	0	1,184	142	1	1,042
	4	-	461	174	-287	4,075	161	0	630	78	0	552
	5	-	186	-353	-539	3,996	194	0	430	57	0	373
	6	-	-	144	144	3,193	218	0	346	51	0	295
	7	-	37	-197	-234	3,471	165	0	190	36	0	154
	8	-	112	69	-43	3,218	117	-	325	52	0	273
	9	-	104	-91	-195	3,428	99	0	576	80	0	495
	10	-	494	418	-76	2,992	137	0	1,102	138	0	964
	11	-	877	-319	-1,196	4,207	195	0	1,239	152	1	1,087
2024 ^P	1-11	18	6,526	56	-6,452	40,574	1,854	0	10,028	1,293	5	8,731
2025 ^P	1-11	-	5,738	-128	-5,866	43,875	1,835	1	10,297	1,317	5	8,975

1. 국내생산(+), 국제번거림(-), 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	수출	재고변화	일차에너지 공급 ¹	석유정제 산출	발전 및 열생산 투입	전환자체소비	최종소비	산업	수송	건물
	Imports	Exports	Stock changes	TPES ¹	Oil refining output	P&H production input	Transformation Own Use	TFC	Industry	Transport	Building
	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	23,188	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	-89,474	229,813	132	39	140,864	19,188	109,922	11,754
2006	1,582	91,520	-904	-97,441	236,329	199	28	140,326	20,530	110,170	9,625
2007	765	102,974	-1,759	-110,333	250,438	179	41	142,400	20,983	111,404	10,012
2008	369	130,936	1,624	-134,672	267,800	196	43	131,296	18,752	103,846	8,698
2009	836	125,474	1,110	-128,320	258,387	137	40	128,902	19,271	100,828	8,803
2010	758	130,761	-852	-135,778	267,196	237	39	130,479	20,332	101,266	8,881
2011	950	159,181	907	-161,483	292,885	599	36	129,839	20,082	101,100	8,657
2012	4,862	176,464	-1,952	-177,241	309,772	1,128	42	131,917	19,572	103,242	9,103
2013	8,597	163,759	-164	-159,354	299,242	741	40	138,477	20,597	108,608	9,271
2014	5,152	174,142	896	-172,798	315,056	131	33	140,824	18,961	111,390	10,473
2015	267	171,999	-2,403	-181,337	334,360	83	36	151,750	17,569	121,217	12,964
2016	198	175,032	2,497	-179,118	339,998	186	37	161,183	16,953	130,748	13,482
2017	236	176,154	-854	-184,218	347,167	93	44	163,026	16,051	132,721	14,254
2018	237	190,712	-1,686	-199,308	360,752	329	37	160,316	15,129	133,341	11,845
2019	138	195,231	676	-203,407	367,540	972	32	163,781	15,810	137,642	10,329
2020	19	200,099	2,962	-207,256	351,750	391	44	155,042	16,479	131,401	7,162
2021	0	180,871	-633	-194,224	337,745	616	11	156,318	15,524	134,062	6,732
2022	300	203,530	-528	-219,163	363,454	964	11	151,783	15,540	129,608	6,635
2023	-	196,509	-1,708	-212,378	351,798	728	9	150,423	16,255	127,216	6,952
2024 ^P	-	204,713	1,800	-217,411	354,706	388	14	145,288	15,431	123,485	6,372
2023	11	-	18,418	1,780	-17,702	29,977	23	13,314	1,388	11,333	593
	12	-	17,177	-318	-18,688	30,609	25	13,236	1,392	11,171	673
2024 ^P	1	-	16,846	-556	-18,595	31,481	21	13,174	1,550	11,040	584
	2	-	17,040	-1,394	-19,413	28,199	30	9,953	1,084	8,312	557
	3	-	19,349	3,100	-17,562	28,398	35	12,308	909	10,875	525
	4	-	15,619	-1,359	-18,128	29,072	28	11,764	1,333	9,884	547
	5	-	17,418	-233	-18,939	31,139	6	13,039	1,082	11,439	518
	6	-	14,662	-5	-15,899	28,786	36	13,420	1,317	11,548	556
	7	-	18,344	-1,595	-21,137	30,941	44	9,276	1,364	7,423	488
	8	-	19,073	820	-19,585	31,361	52	12,309	1,033	10,801	476
	9	-	17,894	619	-18,478	29,353	29	11,520	1,217	9,855	448
	10	-	14,144	475	-14,918	28,639	32	14,216	1,804	11,874	538
	11	-	17,401	311	-18,205	28,742	35	11,207	1,375	9,302	530
	12	-	16,924	1,618	-16,553	28,593	40	13,101	1,364	11,133	604
2025 ^P	1	-	14,960	-4,023	-20,242	29,048	35	9,628	1,136	7,931	561
	2	0	15,653	-40	-16,831	26,401	27	10,080	737	8,825	518
	3	-	15,779	2,842	-14,266	25,957	17	12,487	1,071	10,869	547
	4	-	14,950	-567	-16,775	28,858	23	12,831	1,278	11,045	508
	5	-	17,696	-1,357	-20,272	29,768	42	10,051	1,124	8,445	482
	6	-	16,933	276	-17,856	28,725	18	11,747	1,556	9,667	524
	7	-	18,539	-286	-20,157	31,590	12	12,037	1,253	10,269	515
	8	-	19,818	-287	-21,415	31,277	6	10,825	905	9,460	460
	9	-	20,409	2,533	-19,171	30,498	85	12,216	1,563	10,134	519
	10	-	17,463	-105	-18,776	29,487	7	12,002	1,272	10,256	473
	11	-	14,918	-2,520	-18,702	28,356	16	9,823	1,287	7,976	561
2024 ^P	1-11	-	187,789	182	-200,859	326,113	348	132,187	14,067	112,352	5,768
2025 ^P	1-11	0	187,118	-3,534	-204,464	319,964	287	123,729	13,183	104,877	5,668

1. 국내생산(+), 국제번거림(-), 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 Imports	수출 Exports	국제해운 병커링 Intl. Marine Bunkers	재고변화 Stock changes	일차에너지 공급 ¹ TPES ¹	석유정제 산출 Oil refining output	발전 및 열생산 투입 P&H production input	전환자체소비 Transformation Own Use	최종소비				
									TFC	산업 Industry	수송 Transport	건물 Building	
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	61,605	2,423	-111,226	211,249	30,840	16,184	52,392	43,532	4,521	4,339	
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	185,084	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	124,752	14,999	10,245	25,820	19,454	3,868	2,498	
2012	27,264	28,428	51,318	638	-51,844	102,513	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	11,542	8,985	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	76,999	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	31,512	6,165	57,977	864	-31,766	78,914	1,309	520	6,885	4,777	1,752	356	
2024 ^P	41,830	4,662	61,215	-925	-24,971	82,992	621	675	5,303	3,819	1,180	304	
2023	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 ^P	1	4,558	211	5,350	-1,421	-2,424	7,467	177	53	687	472	182	33
	2	2,990	197	5,001	911	-1,297	6,701	119	51	586	407	147	32
	3	3,381	327	4,881	-1,364	-3,191	6,816	96	62	565	422	119	25
	4	1,365	312	4,823	723	-3,047	7,033	38	59	512	334	151	27
	5	4,181	221	4,956	-555	-1,552	6,175	35	48	361	269	74	18
	6	2,895	198	4,611	-6	-1,921	5,655	15	50	334	256	60	18
	7	4,074	435	4,951	-72	-1,385	7,266	28	50	442	331	90	21
	8	4,364	542	5,651	-208	-2,037	7,178	8	21	309	238	58	13
	9	3,253	419	5,067	1,461	-772	6,836	20	72	326	232	70	24
	10	3,574	685	4,984	-305	-2,399	6,511	13	76	438	320	89	29
	11	2,765	700	5,454	630	-2,760	7,530	27	52	343	259	66	18
	12	4,431	414	5,486	-718	-2,187	7,824	44	81	400	279	74	47
2025 ^P	1	4,737	509	5,406	-752	-1,930	8,525	67	74	510	366	101	42
	2	3,157	993	4,730	254	-2,313	7,083	80	59	313	235	57	21
	3	2,403	496	4,702	753	-2,041	8,215	17	60	362	274	69	18
	4	2,135	557	4,224	-633	-3,280	8,205	16	42	435	330	80	25
	5	2,637	450	4,651	363	-2,100	6,340	17	48	404	315	66	22
	6	2,382	828	4,988	443	-2,992	6,103	8	75	381	280	80	22
	7	3,124	1,001	4,908	-374	-3,159	7,438	6	44	355	269	74	12
	8	4,294	1,435	5,245	-931	-3,317	7,364	9	32	313	236	58	18
	9	4,180	1,050	4,645	506	-1,009	7,077	15	58	418	294	86	39
	10	3,068	1,337	5,111	162	-3,219	8,537	3	59	375	291	64	21
	11	2,718	1,628	5,462	-2,240	-6,612	9,721	21	63	416	321	75	21
2024 ^P 1-11	37,399	4,248	55,729	-207	-22,785	75,168	577	594	4,903	3,540	1,106	258	
2025 ^P 1-11	34,835	10,283	54,072	-2,451	-31,972	84,608	259	615	4,281	3,211	810	260	

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

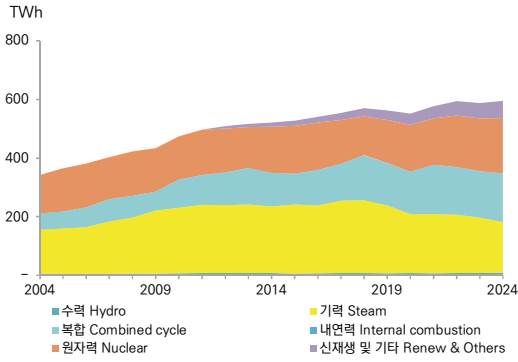
5.4.8 납사 수급

Naphtha Overview

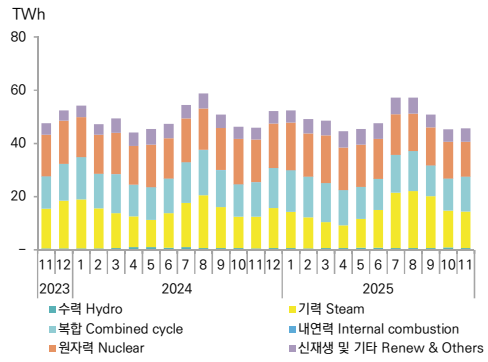
	공급 Supply					소비 Consumption					
	수입	수출	재고변화	일차에너지 공급	석유정제 산출	발전 및 열생산 투입	전환자체소비	최종소비			
	Imports	Exports	Stock changes	TPES	Oil refining output	Power and heat production input	Transformation Own Use	TFC	산업	수송	건물
	1,000 bbl										
1990	15,409	3,325	97	12,181	31,151	-	3	43,065	43,065	-	-
1995	71,837	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	234,590	234,590	-	-
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	157,159	-	0	328,363	328,361	-	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	215,878	36,680	-5,309	173,888	224,884	-	-	333,825	333,825	-	-
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	239,951	39,861	-1,631	198,458	222,856	-	-	337,784	337,784	-	-
2024 ^P	246,692	40,478	2,951	209,165	231,016	-	-	359,127	359,127	-	-
2023	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 ^P	1	23,357	3,327	1,054	21,084	20,130	-	32,475	32,475	-	-
	2	18,962	2,732	1,109	17,339	20,092	-	29,776	29,776	-	-
	3	22,022	4,372	-1,265	16,385	20,037	-	29,486	29,486	-	-
	4	19,346	3,467	321	16,200	20,605	-	29,309	29,309	-	-
	5	20,141	4,114	-1,225	14,802	18,525	-	28,259	28,259	-	-
	6	21,016	3,001	-1,052	16,964	17,815	-	28,458	28,458	-	-
	7	18,990	3,292	958	16,656	19,948	-	29,190	29,190	-	-
	8	20,433	3,702	297	17,028	21,053	-	31,222	31,222	-	-
	9	21,027	4,005	181	17,203	19,569	-	30,450	30,450	-	-
	10	19,979	3,401	2,427	19,005	19,621	-	31,268	31,268	-	-
	11	19,310	2,719	1,667	18,258	17,488	-	30,259	30,259	-	-
	12	22,110	2,347	-1,522	18,241	16,131	-	28,974	28,974	-	-
2025 ^P	1	23,583	2,104	-2,412	19,067	18,487	-	31,873	31,873	-	-
	2	20,825	2,945	-650	17,231	16,817	-	28,380	28,380	-	-
	3	20,679	2,619	615	18,674	16,876	-	29,119	29,119	-	-
	4	19,670	3,093	-491	16,086	17,934	-	28,481	28,481	-	-
	5	18,772	3,117	-149	15,507	19,688	-	30,794	30,794	-	-
	6	17,528	2,585	-1,603	13,340	18,680	-	26,801	26,801	-	-
	7	23,340	2,923	744	21,161	19,618	-	34,767	34,767	-	-
	8	18,233	3,202	3,172	18,203	17,146	-	29,817	29,817	-	-
	9	21,952	2,705	-1,432	17,814	15,898	-	28,882	28,882	-	-
	10	18,062	3,253	1,239	16,048	18,666	-	28,511	28,511	-	-
	11	19,159	2,742	-1,295	15,122	18,673	-	27,848	27,848	-	-
2024 ^P	1-11	224,582	38,131	4,473	190,924	214,885	-	330,153	330,153	-	-
2025 ^P	1-11	221,805	31,287	-2,263	188,255	198,482	-	325,273	325,273	-	-

● 발전원별 발전량 Power Generation by Plant Type

〈2004~2024〉

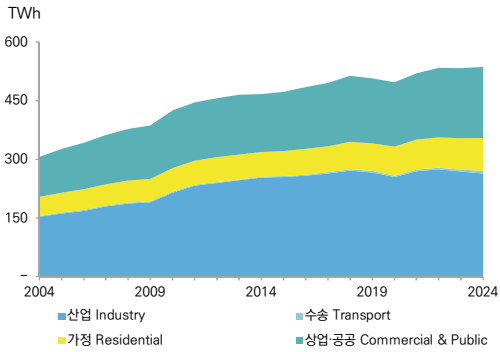


〈2023.11~2025.11〉

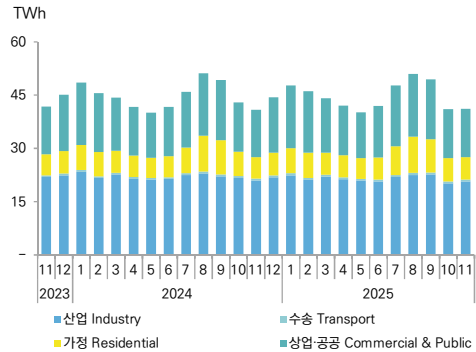


● 부문별 전기 소비 Electricity Consumption by Sector

〈2004~2024〉

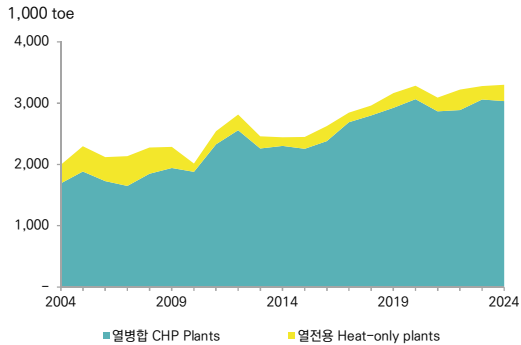


〈2023.11~2025.11〉



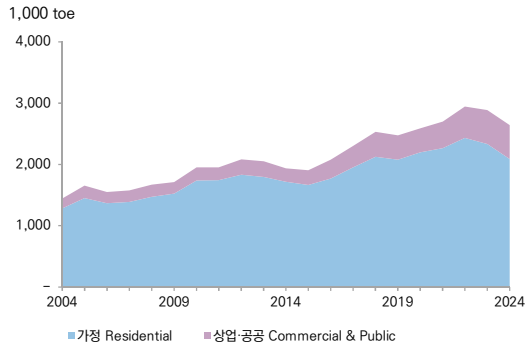
● 열 생산 Heat Production

〈2004~2024〉



● 열 소비 Heat Consumption

〈2004~2024〉



6.1 발전 현황

Electricity Overview

		총발전량	설비용량 ¹	공급능력 ¹	최대전력 ¹	평균전력	공급예비율	평균부하율
		Total generation	Installed capacity ¹	Available capacity ¹	Peak load ¹	Average load	Reserve margin	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		588,047	142,567	104,297	93,615	67,129	11.4	71.7
2024 ^P		595,601	149,179	105,360	97,115	67,805	8.5	69.8
2023	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 ^P	1	54,148	144,640	104,997	89,231	72,780	17.7	81.6
	2	47,165	144,983	101,921	84,093	67,766	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 ^P	1	52,435	152,827	111,539	90,705	70,438	23.0	77.7
	2	49,072	153,417	108,809	90,638	72,959	20.0	80.5
	3	48,568	153,477	99,269	85,127	65,279	16.6	76.7
	4	44,541	153,931	86,002	71,667	61,834	20.0	86.3
	5	45,408	154,557	82,818	74,239	60,902	11.6	82.0
	6	47,511	154,917	99,615	85,599	65,961	16.4	77.1
	7	57,143	154,955	105,151	95,675	76,805	9.9	80.3
	8	57,162	155,385	105,011	95,951	76,831	9.4	80.1
	9	50,729	155,655	100,937	89,532	70,457	12.7	78.7
	10	45,236	155,960	86,525	73,212	60,802	18.2	83.0
	11	45,674	156,253	95,666	76,163	63,436	25.6	83.3
2024 ^P	1-11	543,394	149,179	105,360	97,115	67,586	8.5	69.6
2025 ^P	1-11	543,480	155,385	105,011	95,951	67,799	9.4	70.7

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	수력 ¹	기력	복합	내연력	원자력	신재생 ²	기타 ³
		Total	Hydro ¹	Steam	Combined cycle	Internal combustion	Nuclear	New & Renewable ²	Others ³
		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		144,421	6,517	40,873	42,207	137	24,650	29,579	459
2024 ^P		153,071	6,515	41,879	45,203	97	26,050	32,878	449
2023	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 ^P	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 ^P	1	153,384	6,515	41,529	45,473	97	26,050	33,271	449
	2	153,477	6,515	41,529	45,473	97	26,050	33,364	449
	3	153,917	6,513	41,529	45,473	97	26,050	33,806	449
	4	154,303	6,514	41,529	45,473	97	26,050	34,190	449
	5	154,673	6,514	41,529	45,473	97	26,050	34,560	449
	6	154,955	6,515	41,529	45,473	97	26,050	34,841	449
	7	155,308	6,515	41,529	45,473	97	26,050	35,194	449
	8	155,666	6,515	41,528	45,473	97	26,050	35,553	449
	9	155,914	6,515	41,528	45,473	97	26,050	35,801	449
	10	156,273	6,515	41,528	45,473	97	26,050	36,154	455
	11	156,492	6,515	41,528	45,473	97	26,050	36,373	455
2024 ^P	1-11	151,707	6,515	41,879	44,099	97	26,050	32,617	450
2025 ^P	1-11	156,492	6,515	41,528	45,473	97	26,050	36,373	455

1. 양수, 일반수력, 소수력

1. Pumped storage, general hydropower, and small hydropower

2. 일반수력, 소수력 제외

2. Excludes general hydropower and small hydropower.

3. 증류탑폐열, 여열회수, 천연가스압터빈, 부생가스 등

3. Includes waste heat in distillation tower, waste heat recovery,

자료: 한국전력공사-전력통계월보

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 ¹ Hydro ¹	기력 Steam	복합 Combined cycle	내연력 Internal combustion	원자력 Nuclear	신재생 ² New & Renewable ²	기타 ³ Others ³
		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		588,047	7,500	189,971	156,804	390	180,494	50,456	2,432
2024 ^p		595,601	8,978	171,970	166,271	329	188,754	56,537	2,762
2023	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 ^p	1	54,148	594	18,410	15,829	29	14,961	4,092	233
	2	47,165	599	14,976	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 ^p	1	52,435	640	13,574	15,672	28	17,893	4,410	218
	2	49,072	565	11,712	15,215	28	16,229	5,096	228
	3	48,568	645	9,751	14,715	27	17,868	5,332	230
	4	44,541	673	8,454	13,387	25	15,931	5,867	204
	5	45,408	854	10,796	11,971	25	15,889	5,661	212
	6	47,511	785	14,142	11,710	25	15,062	5,590	196
	7	57,143	641	20,876	14,122	31	15,253	6,023	198
	8	57,162	607	21,487	15,019	33	14,069	5,749	198
	9	50,729	696	19,483	11,545	28	14,251	4,551	174
	10	45,236	928	13,823	12,043	26	13,750	4,468	199
	11	45,674	639	13,785	13,088	26	13,057	4,832	247
2024 ^p	1-11	543,394	8,363	156,833	151,297	300	172,039	52,049	2,512
2025 ^p	1-11	543,480	7,672	157,882	148,487	303	169,252	57,578	2,305

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 Coal			석유 Oil			가스 LNG
		합계 Total	무연탄	유연탄	합계 Total	중유	경유	
			Anthracite	Bituminous		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		60,292	914	59,379	294	15	280	9,340
2024 ^P		60,130	926	59,204	281	0	281	9,217
2023	11	4,505	36	4,469	18	-	18	646
	12	5,521	63	5,458	20	0	19	734
2024 ^P	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 ^P	1	4,870	88	4,781	24	-	24	618
	2	4,132	15	4,117	23	-	23	740
	3	3,356	33	3,323	21	-	21	607
	4	2,861	44	2,817	19	-	19	599
	5	3,817	3	3,814	28	-	28	690
	6	4,703	2	4,701	27	-	27	525
	7	7,128	72	7,056	20	-	20	702
	8	7,427	72	7,356	15	-	15	780
	9	6,860	49	6,810	14	-	14	489
	10	4,819	49	4,771	16	-	16	614
	11	4,781	128	4,652	26	-	26	637
2024 ^P	1-11	54,747	826	53,922	257	0	257	8,574
2025 ^P	1-11	54,754	555	54,199	232	-	232	7,001

주 1. 시운전 연료 사용량 포함.

2. 한전 및 자회사 연료 사용량임

자료: 한국전력공사-전력통계월보

Note 1. Includes fuel used for test runs

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

Source: Monthly Report on Major Electric Power Statistics, KEPCO

6.5 고객호수 및 판매량

Customers and Sales Volume by Type

	고객호수 Customers			판매량 Sales volume			
	합계 Total	저압 Low voltage	고압 High voltage	합계 Total	저압 Low voltage	고압 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	25,129	24,388	741	545,966	117,638	428,328	
2024 ^p	25,321	24,541	781	549,821	118,884	430,936	
2023	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 ^p	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 ^p	1	25,250	24,466	783	48,796	11,648	37,148
	2	25,248	24,462	786	47,065	11,785	35,281
	3	25,817	25,028	789	45,157	9,938	35,219
	4	25,355	24,562	793	43,117	9,027	34,090
	5	25,278	24,482	796	41,219	7,888	33,331
	6	25,287	24,490	797	43,006	8,349	34,657
	7	25,308	24,508	800	48,824	9,980	38,845
	8	25,322	24,520	802	52,119	11,955	40,163
	9	25,335	24,531	804	50,563	11,548	39,015
	10	25,338	24,532	806	42,125	8,659	33,466
	11	25,904	25,095	809	42,076	8,906	33,170
2024 ^p	1-11	25,778	25,000	778	504,403	109,167	395,237
2025 ^p	1-11	25,904	25,095	809	504,067	109,683	394,384

자료: 한국전력공사-전력통계월보

Source: Monthly Report on Major Electric Power Statistics, KEPCO

6.6 부문별 전기 소비

Electricity Consumption by Sector

	합계 Total	산업 ¹ Industry ¹	산업 ¹				수송			가정		상업·공공 Commercial & Public
			화학 및 석유화학 Chemical and Petrochemical	철강 Iron and Steel	기계류 Machinery	기타 Others	수송 Transport	철도 Rail	도로 Road	Residential	Commercial & Public	
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	495,144	264,067	47,710	35,524	79,986	100,847	2,864	2,820	45	66,517	161,695	
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	534,303	274,066	53,422	25,902	92,551	102,191	4,107	2,736	1,372	78,558	177,573	
2023	532,708	268,447	53,391	23,469	90,707	100,881	4,929	2,766	2,163	79,886	179,446	
2024 ^P	536,579	263,994	54,091	21,554	89,699	98,650	5,724	2,744	2,980	84,427	182,434	
2023	11	41,806	21,969	4,307	1,853	7,370	8,439	427	224	204	5,984	13,425
	12	45,113	22,426	4,512	1,880	7,540	8,494	472	238	234	6,400	15,815
2024 ^P	1	48,547	23,435	4,669	2,042	7,800	8,925	494	242	252	6,985	17,633
	2	45,637	21,649	4,314	1,670	7,270	8,395	470	225	245	6,867	16,650
	3	44,264	22,680	4,484	2,140	7,718	8,337	443	216	227	6,200	14,940
	4	41,715	21,463	4,432	1,824	7,186	8,021	429	206	223	6,130	13,693
	5	40,081	21,242	4,528	1,734	7,278	7,702	423	206	216	5,704	12,712
	6	41,733	21,369	4,468	1,771	7,262	7,867	448	218	231	6,044	13,872
	7	45,932	22,516	4,788	1,713	7,825	8,190	484	244	240	7,273	15,659
	8	51,235	22,950	4,627	1,636	8,050	8,636	538	271	267	10,079	17,668
	9	49,234	22,101	4,524	1,577	7,568	8,432	520	255	265	9,715	16,898
	10	42,968	21,718	4,501	1,828	7,562	7,827	463	217	246	6,934	13,854
	11	40,883	21,009	4,280	1,813	6,848	8,068	477	213	265	6,073	13,323
	12	44,351	21,863	4,475	1,807	7,331	8,250	535	230	305	6,423	15,530
2025 ^P	1	47,778	22,421	4,526	1,915	7,431	8,548	583	248	335	7,091	17,683
	2	46,127	21,105	4,101	1,684	6,961	8,360	566	237	329	7,144	17,312
	3	44,076	22,042	4,330	1,873	7,717	8,122	516	219	297	6,209	15,308
	4	42,075	21,345	4,351	1,913	7,074	8,007	506	211	296	6,247	13,976
	5	40,146	20,898	4,385	1,847	7,096	7,571	495	209	285	5,870	12,884
	6	41,905	20,655	4,253	1,672	7,144	7,587	519	221	298	6,260	14,471
	7	47,698	21,938	4,445	1,669	7,665	8,159	580	255	325	8,075	17,105
	8	50,965	22,492	4,444	1,590	8,009	8,448	630	278	352	10,165	17,678
	9	49,445	22,631	4,447	1,770	7,816	8,598	606	260	346	9,348	16,859
	10	41,090	20,138	4,055	1,552	7,285	7,246	543	216	327	6,602	13,808
	11	41,134	20,680	4,020	1,536	7,157	7,967	571	214	356	6,284	13,599
2024 ^P 1-11	492,229	242,132	49,616	19,747	82,368	90,401	5,190	2,514	2,676	78,004	166,903	
2025 ^P 1-11	492,439	236,345	47,356	19,021	81,354	88,614	6,114	2,568	3,546	79,296	170,683	

1. 농림어업, 광·제조업, 건설업 포함

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

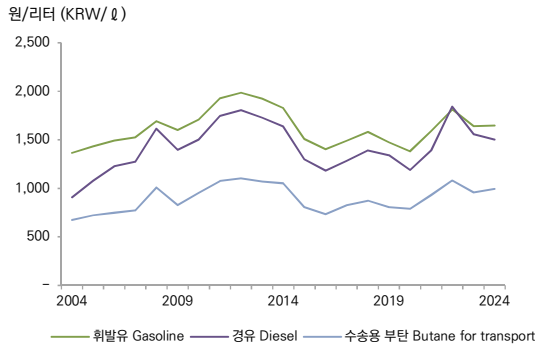
6.7 열에너지(지역난방) 수급

Heat Overview

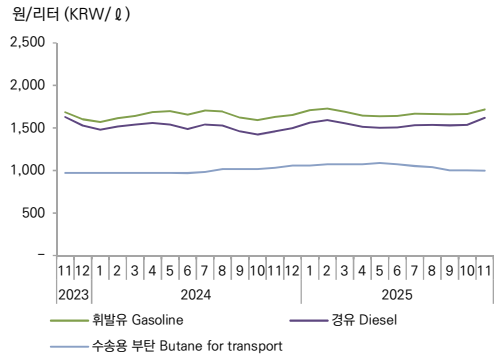
	열 생산			최종소비			
	Heat production	열병합	열전용	TFC	가정	상업·공공	
		CHP Plants	Heat-only plants		Residential	Commercial & Public	
1,000 toe							
1990	79	79	-	-	-	-	
1995	1,175	1,073	102	637	603	34	
2000	1,778	1,620	158	1,208	1,113	95	
2002	1,862	1,695	167	1,224	1,118	106	
2003	1,967	1,637	330	1,395	1,151	244	
2004	1,995	1,690	305	1,449	1,283	166	
2005	2,299	1,885	414	1,652	1,449	202	
2006	2,121	1,724	396	1,549	1,367	182	
2007	2,132	1,651	481	1,576	1,391	185	
2008	2,275	1,846	429	1,669	1,472	198	
2009	2,287	1,944	343	1,715	1,525	189	
2010	2,017	1,878	139	1,953	1,742	211	
2011	2,546	2,329	216	1,954	1,743	211	
2012	2,812	2,559	253	2,085	1,832	252	
2013	2,460	2,260	199	2,049	1,797	252	
2014	2,444	2,301	143	1,938	1,720	218	
2015	2,450	2,255	194	1,905	1,663	242	
2016	2,624	2,382	243	2,075	1,771	304	
2017	2,844	2,691	154	2,300	1,955	345	
2018	2,960	2,797	163	2,535	2,125	410	
2019	3,161	2,920	241	2,471	2,080	391	
2020	3,283	3,065	218	2,592	2,200	393	
2021	3,090	2,865	225	2,701	2,265	435	
2022	3,225	2,887	338	2,946	2,432	514	
2023	3,278	3,061	217	2,889	2,331	558	
2024 ^P	3,300	3,032	268	2,640	2,089	551	
2023	11	371	353	18	301	260	41
	12	565	533	32	499	427	71
2024 ^P	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 ^P	1	656	626	30	503	427	76
	2	590	530	60	461	388	74
	3	493	476	16	294	253	41
	4	205	185	20	166	142	24
	5	108	90	18	117	92	25
	6	135	123	12	101	57	44
	7	150	138	13	103	42	61
	8	141	133	9	97	37	61
	9	116	111	5	86	42	44
	10	136	134	2	118	92	26
	11	350	332	18	269	230	39
2024 ^P	1-11	2,721	2,491	230	2,188	1,704	483
2025 ^P	1-11	3,081	2,879	203	2,317	1,802	514

● 석유 소비자 가격 Consumer Prices by Petroleum Product

〈2004~2024〉

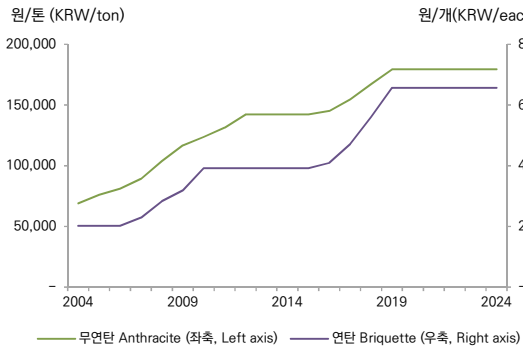


〈2023.11~2025.11〉



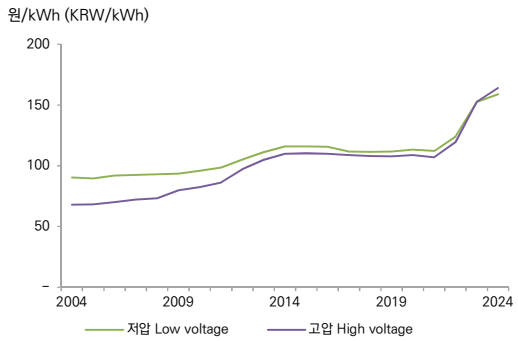
● 석탄 가격 Coal Prices

〈2004~2024〉



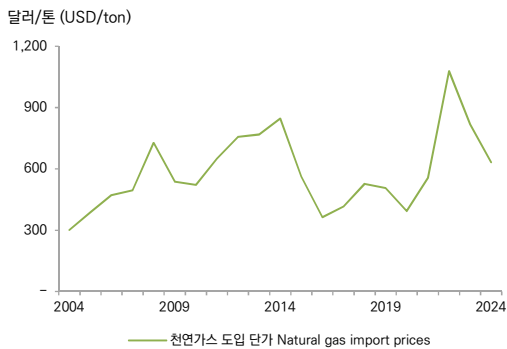
● 전력 가격 Electricity Prices

〈2004~2024〉



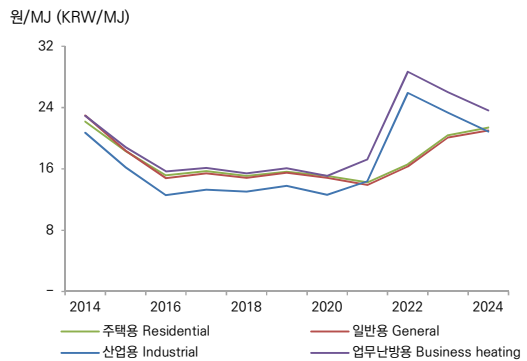
● LNG 도입 단가 LNG Import Prices

〈2004~2024〉



● 도시가스 가격 City Gas Prices

〈2004~2024〉



7.1.1 원유 수입 가격

Crude Oil Import Prices

		평균	중동	아시아	아프리카	아메리카	유럽
		Average	Middle East	Asia	Africa	America	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		85.9	85.9	84.3	87.4	86.0	92.1
2024 ^P		82.8	82.4	82.4	85.4	83.8	80.1
2023	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 ^P	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 ^P	1	78.4	78.7	78.3	78.1	77.6	-
	2	80.4	80.1	80.8	-	81.4	-
	3	79.1	78.7	77.3	80.3	80.5	80.2
	4	75.5	75.2	76.6	75.1	76.0	75.7
	5	70.6	70.0	70.8	72.3	71.7	75.7
	6	68.7	69.2	68.9	63.7	67.4	-
	7	71.4	71.5	73.6	70.3	70.8	-
	8	73.2	73.2	73.1	71.8	73.5	-
	9	72.8	72.7	70.6	73.8	73.3	68.7
	10	73.3	73.8	70.8	71.7	73.1	-
	11	68.8	68.9	68.2	71.2	68.6	68.8
2024 ^P	1-11	83.4	83.0	82.9	85.6	84.4	80.1
2025 ^P	1-11	73.8	73.8	73.5	72.9	74.0	73.8

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	120.7	-	114.5	82.8	59.3	73.5
2024 ^P	104.7	-	114.5	81.3	52.4	76.7
2023	11	-	114.5	82.4	55.1	75.9
	12	-	114.5	81.1	54.4	72.6
2024 ^P	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 ^P	1	-	-	79.7	51.3	72.4
	2	-	96.6	80.4	53.0	74.9
	3	-	-	77.0	48.6	74.6
	4	-	-	74.7	47.0	71.3
	5	-	-	72.5	44.5	65.2
	6	-	-	70.7	44.0	63.9
	7	-	-	68.6	46.1	66.1
	8	-	-	65.2	44.8	65.6
	9	-	-	66.5	44.8	65.3
	10	-	-	66.3	44.7	66.9
	11	-	-	62.8	41.6	65.2
2024 ^P	1-11	102.0	114.5	82.3	52.4	77.1
2025 ^P	1-11	-	96.6	71.3	46.4	68.3

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	96.8	104.7	106.6	82.1	51.8	72.2	
2024 ^P	90.9	94.4	96.9	86.3	54.2	77.4	
2023	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 ^P	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 ^P	1	86.1	93.4	95.4	86.7	49.8	77.1
	2	86.2	90.3	95.2	82.2	63.4	76.8
	3	81.5	85.2	90.4	83.2	61.0	77.4
	4	77.8	80.7	82.8	85.8	52.5	67.9
	5	76.6	78.7	80.6	84.5	48.2	65.5
	6	82.0	85.8	-	82.0	48.6	67.3
	7	80.9	89.0	88.4	76.5	45.3	69.5
	8	80.4	85.9	87.6	74.9	-	66.0
	9	82.7	87.5	87.8	78.5	51.2	65.3
	10	80.0	87.6	90.5	70.2	50.8	66.3
	11	81.6	91.6	95.6	68.2	49.2	65.7
2024 ^P	1-11	91.4	94.8	98.0	87.5	57.2	77.3
2025 ^P	1-11	81.4	86.9	89.4	79.3	52.0	69.5

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 Gasoline	경유 Diesel		등유 ¹ Kerosene ¹	중질중유 Bunker-C	액화석유가스 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	1,537.0	1,374.5	1,415.7	1,089.1	886.3	1,344.6	1,062.5	
2024 ^P	1,541.1	1,338.9	1,385.9	1,037.5	919.4	1,422.2	1,088.8	
2023	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 ^P	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 ^P	1	1,618.2	1,371.8	1,493.7	1,079.0	916.8	1,529.6	1,170.1
	2	1,602.8	1,462.1	1,459.9	1,059.0	952.9	1,550.8	1,194.7
	3	1,564.0	1,425.1	1,413.9	998.5	953.5	1,551.6	1,191.8
	4	1,533.1	1,364.7	1,379.2	967.6	919.1	1,570.8	1,186.0
	5	1,532.4	1,368.5	1,356.9	891.8	881.9	1,601.7	1,191.8
	6	1,556.6	1,315.9	1,396.2	923.4	879.9	1,555.4	1,158.1
	7	1,563.8	1,349.2	1,445.0	949.9	849.6	1,504.5	1,122.1
	8	1,549.6	1,399.1	1,418.2	938.8	862.5	1,478.3	1,085.2
	9	1,560.9	1,377.6	1,433.9	967.0	845.6	1,407.5	1,017.0
	10	1,558.3	1,394.3	1,468.0	991.1	810.9	1,405.6	1,015.3
	11	1,622.7	1,433.0	1,558.1	1,076.1	801.3	1,404.6	991.6
2024 ^P	1-11	1,541.1	1,356.6	1,385.2	1,038.0	924.7	1,412.0	1,083.1
2025 ^P	1-11	1,569.3	1,387.4	1,438.5	985.7	879.5	1,505.5	1,120.3

1. 실내등유 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 ¹ Gasoline ¹	경유 ¹ Diesel ¹	등유 (실내등유) Kerosene	중질중유 ² Bunker-C ²	프로판 ³ Propane ³	부탄 Butane		
						일반용 ³ Residential & Commercial ³	수송용 ¹ Transport ¹	
						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	1,643.0	1,558.3	1,403.0	924.4	2,372.7	2,774.2	957.4	
2024 ^P	1,646.7	1,502.7	1,344.8	937.1	2,445.9	2,867.9	995.3	
2023	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 ^P	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 ^P	1	1,709.3	1,563.6	1,327.9	927.9	2,522.4	2,993.1	1,059.0
	2	1,728.3	1,594.0	1,341.4	1,014.3	2,547.0	3,024.0	1,073.9
	3	1,688.9	1,555.0	1,332.9	963.5	2,545.4	3,023.1	1,073.7
	4	1,646.7	1,513.2	1,316.9	918.0	2,545.5	3,013.1	1,073.6
	5	1,636.4	1,502.1	1,305.9	896.9	2,546.2	3,001.2	1,089.0
	6	1,642.1	1,505.4	1,296.1	874.3	2,533.5	2,985.0	1,074.5
	7	1,667.6	1,531.5	1,296.2	885.5	2,506.6	2,938.2	1,053.5
	8	1,665.9	1,535.7	1,293.2	877.8	2,492.0	2,921.3	1,037.5
	9	1,659.9	1,530.7	1,291.9	864.4	2,444.3	2,871.6	1,000.6
	10	1,663.2	1,536.8	1,295.1	871.2	2,445.6	2,869.8	999.1
	11	1,718.1	1,619.1	1,316.0	855.3	2,442.6	2,895.0	998.3
2024 ^P	1-11	1,646.0	1,503.1	1,347.7	937.6	2,439.2	2,855.9	989.4
2025 ^P	1-11	1,675.1	1,544.3	1,310.3	904.5	2,506.5	2,957.8	1,048.4

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 ³ Electricity ³			
	무연탄 ¹ Anthracite ¹	연탄 ² Briquette ²	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	179,380	657	152.6	152.9	152.8	
2024 ^P	179,380	657	159.0	164.0	162.9	
2023	11	179,380	657	151.2	166.5	163.3
	12	179,380	657	158.5	168.2	166.1
2024 ^P	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 ^P	1	179,380	657	159.6	176.5	172.5
	2	179,380	657	160.3	179.5	174.7
	3	179,380	657	155.8	162.3	160.9
	4	179,380	657	152.0	161.2	159.3
	5	179,380	657	156.9	161.2	160.4
	6	179,380	657	163.9	179.1	176.2
	7	179,380	657	173.6	184.1	181.9
	8	179,380	657	171.8	182.2	179.8
	9	179,380	657	164.3	165.3	165.1
	10	179,380	657	153.3	160.8	159.3
	11	179,380	657	155.5	179.0	174.0

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 ¹		도시가스 ²				
	LNG ¹		City Gas ²				
	도입금액 Import Value mil. USD	단가 Unit price USD/ton	가정용 ³ Residential ³	일반용 ⁴ General ⁴	산업용 Industrial	업무난방용 Business heating	
			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	36,048.9	817.1	20.4	20.1	23.3	26.0	
2024 ^p	29,275.8	631.9	21.4	21.0	20.8	23.6	
2023	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 ^p	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	1,846.0	600.5	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 ^p	1	2,683.3	606.6	22.3	21.8	21.2	24.0
	2	1,845.9	557.2	22.3	21.8	20.9	23.7
	3	2,604.6	612.3	22.3	21.8	20.3	23.2
	4	2,363.6	591.9	22.3	21.8	21.3	24.2
	5	2,221.0	559.2	22.3	21.8	19.8	22.8
	6	1,686.0	545.4	22.3	21.8	19.3	22.3
	7	1,986.4	551.6	22.4	21.9	18.4	21.4
	8	2,670.6	579.6	22.4	21.9	18.2	21.2
	9	2,062.4	533.3	22.4	21.9	19.1	22.1
	10	1,691.9	514.1	22.4	21.9	18.2	21.2
	11	1,672.9	499.1	22.4	21.9	17.1	20.1

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)

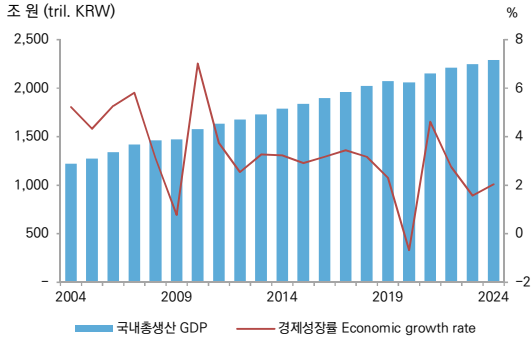
3. Price of city gas used for cooking

4. Business activities for profit excluding public bathhouse

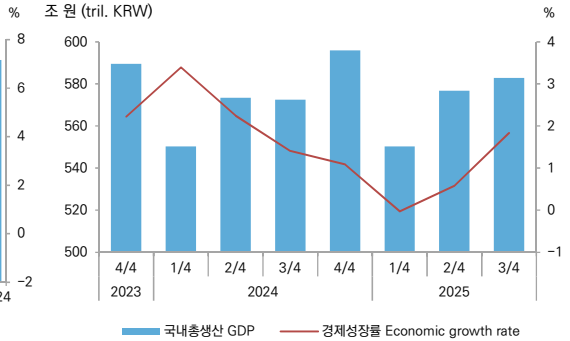
Source: Korea International Trade Association, Korea City Gas Association

● **국내총생산, 경제성장률 GDP and Economic Growth Rate**

〈2004~2024〉

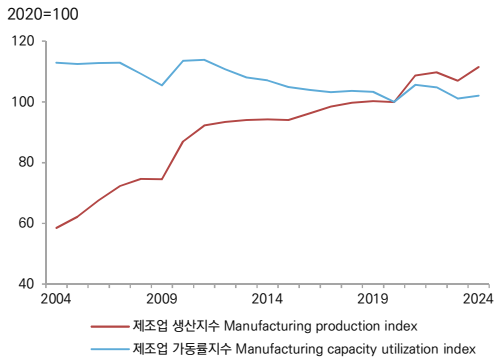


〈2023 4Q~2025 3Q〉

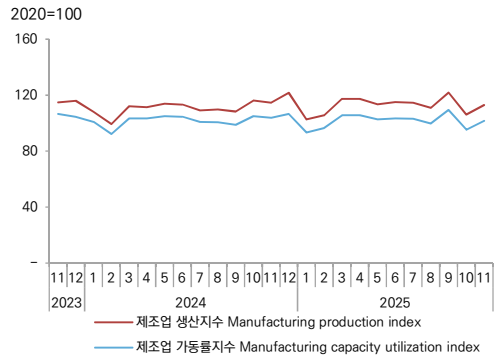


● **제조업 생산지수 및 가동률지수 Manufacturing indexes: Production & Utilization**

〈2004~2024〉

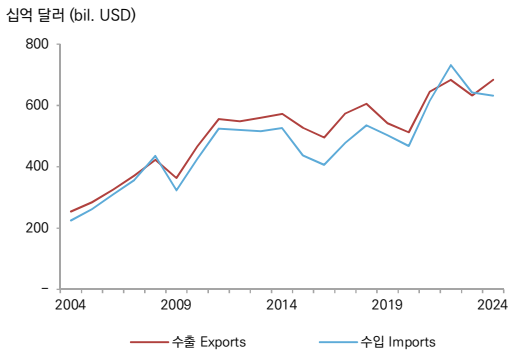


〈2023.11~2025.11〉

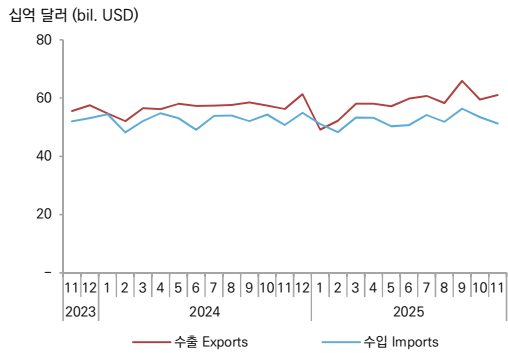


● **수출입 Imports and Exports**

〈2004~2024〉



〈2023.11~2025.11〉



8.1 주요 경제지표

Major Economic Indicators

	국내총생산 ¹ (시장가격) GDP at market prices ¹	경제성장률 Economic growth rate	민간소비 ¹ Private consumption ¹	설비투자 ¹ Facilities investment ¹	건설투자 ¹ Construction investment ¹	물가지수 Price index		
						생산자 Producer	소비자 Consumer	
								2020=100
	bil. KRW	%	bil. KRW					
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	2,058,466	-0.7	984,088	194,166	312,971	100.0	100.0	
2021	2,153,423	4.6	1,020,879	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	2,247,178	1.6	1,085,427	212,769	299,993	117.1	111.6	
2024 ^p	2,292,202	2.0	1,097,036	216,471	290,173	119.1	114.2	
2023	11	-	-	-	-	117.4	112.7	
	12	589,506	2.2	276,026	55,268	79,174	117.6	112.7
2024 ^p	1	-	-	-	-	118.2	113.2	
	2	-	-	-	-	118.6	113.8	
	3	550,378	3.4	273,738	50,818	63,500	118.8	114.0
	4	-	-	-	-	-	119.2	114.0
	5	-	-	-	-	-	119.3	114.1
	6	573,464	2.2	268,806	54,304	81,368	119.2	113.8
	7	-	-	-	-	-	119.6	114.1
	8	-	-	-	-	-	119.4	114.5
	9	572,425	1.4	275,518	53,141	71,233	119.2	114.7
	10	-	-	-	-	-	119.0	114.7
	11	-	-	-	-	-	119.1	114.4
	12	595,936	1.1	278,973	58,208	74,073	119.5	114.9
2025 ^p	1	-	-	-	-	120.3	115.7	
	2	-	-	-	-	120.3	116.1	
	3	550,232	-0.0	275,248	53,745	55,038	120.4	116.3
	4	-	-	-	-	-	120.1	116.4
	5	-	-	-	-	-	119.6	116.3
	6	576,794	0.6	271,189	56,133	72,093	119.8	116.3
	7	-	-	-	-	-	120.2	116.5
	8	-	-	-	-	-	120.1	116.5
	9	582,914	1.8	280,677	53,680	65,868	120.5	117.1
	10	-	-	-	-	-	120.9	117.4
	11	-	-	-	-	-	121.3	117.2

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							서비스업
	Industrial production	제조업						
		Manufacturing	1차 철강	시멘트	기초화학물질	수송장비	전기장비	
		Basic iron and steel	Cement, lime, plaster and its products	Basic chemicals	Motor vehicles, trailers and semitrailers	Electrical equipment	Services	
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	106.8	107.0	98.6	96.3	95.3	127.2	111.3	116.1
2024 P	111.2	111.5	95.7	83.3	99.3	124.7	103.3	117.4
2023 11	114.3	114.8	96.0	105.8	90.9	133.2	107.3	117.3
2023 12	116.4	116.0	96.2	91.9	98.2	130.3	111.7	131.0
2024 P 1	109.0	108.1	103.9	78.5	102.5	125.9	104.2	113.6
2024 P 2	99.8	99.3	91.9	66.4	92.2	109.8	96.5	110.0
2024 P 3	112.0	112.1	100.1	87.6	98.5	130.6	104.5	118.8
2024 P 4	110.7	111.5	97.0	96.0	98.6	138.0	104.5	116.6
2024 P 5	112.9	113.8	93.2	94.6	100.4	133.1	105.3	117.2
2024 P 6	112.5	113.3	93.7	90.6	97.3	126.5	107.3	119.0
2024 P 7	109.0	109.1	95.3	75.3	102.6	113.2	103.2	116.5
2024 P 8	109.9	109.8	96.4	78.7	103.5	116.8	95.1	115.3
2024 P 9	107.8	108.3	90.5	71.4	99.2	115.5	98.3	115.1
2024 P 10	115.0	116.1	96.2	89.2	100.1	130.4	104.7	117.2
2024 P 11	113.9	114.6	95.1	89.5	95.3	124.5	104.2	117.4
2024 P 12	121.5	121.6	95.5	82.2	101.5	132.5	112.1	131.5
2025 P 1	103.6	102.6	93.0	55.6	98.8	108.4	87.2	112.6
2025 P 2	106.3	105.7	85.3	55.7	87.3	126.6	98.2	111.1
2025 P 3	117.0	117.3	93.7	75.8	94.2	133.3	106.6	119.9
2025 P 4	116.4	117.4	95.3	87.0	95.6	137.8	105.8	117.8
2025 P 5	112.6	113.4	95.7	79.9	98.0	128.5	100.9	118.5
2025 P 6	114.3	115.2	94.3	77.2	95.9	128.6	109.0	121.7
2025 P 7	114.5	114.7	96.1	72.4	98.8	120.4	107.6	119.0
2025 P 8	110.9	110.9	91.8	63.9	100.5	123.0	98.8	116.3
2025 P 9	120.8	121.8	94.9	72.7	97.6	128.2	111.8	122.5
2025 P 10	105.6	106.2	88.2	63.4	97.2	112.9	94.1	118.1
2025 P 11	112.3	112.9	87.8	78.4	92.0	124.3	102.3	120.9

자료: 국가데이터처

Source: Ministry of Data and Statistics

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		101.2	98.1	107.8	94.3	112.0	105.9
2024 ^P		102.1	95.5	91.0	97.6	105.4	100.8
2023	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 ^P	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 ^P	1	93.3	92.4	60.9	97.1	89.8	85.3
	2	96.6	84.7	61.6	85.2	106.1	95.7
	3	105.6	92.8	83.0	92.4	110.9	102.4
	4	105.6	94.4	95.5	93.0	114.8	100.9
	5	102.7	94.8	88.0	95.4	107.0	95.6
	6	103.3	93.4	85.0	93.1	107.0	103.4
	7	103.2	95.3	79.8	96.5	100.3	102.9
	8	99.8	90.8	70.6	97.7	102.7	94.2
	9	109.4	94.1	81.0	94.9	105.5	106.8
	10	95.2	87.4	70.8	94.5	93.3	92.9
	11	101.6	87.2	87.5	89.3	102.9	100.9

자료: 국가데이터처

Source: Ministry of Data and Statistics

8.4 투자활동지표

Investment Activity Indices

	설비부문 Facility			건설부문 Construction			
	설비투자지수	설비용 기계류 내수출하지수 ¹	기계수주액 ¹ (국내수요)	건설기성액 ²	국내 건설수주액 ²	건축허가면적	
	Facility investment index	Domestic shipment index of machinery and equipment ¹	Value of domestic machinery orders received ¹	Value of construction completed ²	Value of domestic construction order received ²	Permitted floor area for building construction	
	2020=100			bil. KRW			1,000 m ²
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	88,435	
2023	107.9	104.1	37,626	175,749	176,427	137,839	
2024 P	111.0	102.6	37,329	170,044	195,688	125,377	
2023	11	111.8	113.6	3,322	15,517	12,786	11,023
	12	128.0	133.2	3,310	17,715	33,713	13,528
2024 P	1	97.5	94.1	2,661	14,571	11,529	11,034
	2	97.0	91.9	2,827	13,077	10,986	9,125
	3	109.9	107.7	3,448	14,883	13,815	10,624
	4	109.9	103.6	3,495	14,867	14,627	10,858
	5	104.8	101.8	2,945	14,207	12,833	9,209
	6	113.7	107.6	2,868	15,739	23,983	9,131
	7	121.2	99.5	4,256	13,241	14,592	8,706
	8	104.4	91.7	3,223	12,992	11,034	11,120
	9	110.0	103.2	2,618	12,879	15,725	9,286
	10	109.5	103.4	2,923	13,207	15,607	9,264
	11	113.6	104.6	2,784	13,763	21,473	10,232
	12	140.9	122.2	3,281	16,617	29,484	16,789
2025 P	1	91.0	78.8	3,808	10,674	9,741	7,198
	2	104.8	92.9	2,796	10,567	11,320	6,656
	3	126.0	103.9	4,200	12,540	15,654	9,747
	4	119.0	104.2	3,699	11,836	13,122	9,144
	5	111.7	98.3	3,123	11,481	13,373	8,029
	6	115.3	101.3	3,091	13,878	22,165	9,483
	7	114.3	96.7	2,638	11,443	21,855	7,055
	8	103.9	91.9	2,852	10,801	16,099	8,046
	9	123.9	97.8	3,292	12,528	15,558	12,373
	10	104.8	85.5	2,461	10,063	10,081	8,980
	11	113.5	98.0	3,312	11,609	19,507	11,187

1. 선박 제외
2. 경상금액
자료: 국가데이터처

1. Excludes vessels.
2. Current amount
Source: Ministry of Data and Statistics

8.5 국제수지

Balance of Payments

		수출	수입	경상수지	상품수지	서비스수지	본원소득수지	이전소득수지	자본수지
		Exports	Imports	Current account	Goods	Services	Primary income	Secondary income	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	-29,694	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		632,226	642,572	32,822	37,658	-26,824	26,249	-4,261	47
2024 ^P		683,609	631,767	99,043	100,127	-23,702	26,619	-4,002	303
2023	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 ^P	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 ^P	1	49,184	51,134	2,940	2,500	-2,059	2,615	-117	-7
	2	52,294	48,322	7,178	8,175	-3,208	2,624	-413	-0
	3	58,063	53,330	9,145	8,493	-2,214	3,232	-367	-1
	4	58,042	53,213	5,702	8,989	-2,831	-195	-262	43
	5	57,260	50,303	10,142	10,665	-2,283	2,149	-389	-4
	6	59,830	50,749	14,265	13,161	-2,529	4,164	-531	134
	7	60,724	54,186	10,779	10,270	-2,144	2,946	-293	94
	8	58,270	51,849	9,149	9,398	-2,123	2,067	-193	-8
	9	65,915	56,400	13,467	14,245	-3,322	2,961	-417	5
	10	59,505	53,494	6,814	7,817	-3,752	2,943	-194	3
	11	61,033	51,293	12,237	13,309	-2,725	1,829	-176	-1

자료: 한국무역협회, 국가데이터처

Source: Korea International Trade Association, Ministry of Data and Statistics

8.6 자동차 등록대수

	총대수 Total	유종별 Fuel type								
		휘발유 Gasoline	경유 Diesel	액화석유가스 LPG	압축천연가스 CNG	하이브리드 ¹ Hybrid ¹	전기 Electric	수소 ² Hydrogen ²	기타 ³ Others ³	
		Thousand unit								
1999	-	-	-	-	-	-	-	-	-	
2000	-	-	-	-	-	-	-	-	-	
2001	-	-	-	-	-	-	-	-	-	
2002	13,949	7,673	4,607	1,625	-	-	0	-	44	
2003	14,587	7,761	5,055	1,723	1	-	0	-	46	
2004	14,934	7,703	5,385	1,794	5	-	0	-	48	
2005	15,397	7,800	5,650	1,890	9	-	0	-	48	
2006	15,895	7,916	5,869	2,047	12	-	0	-	51	
2007	16,428	8,085	6,087	2,187	15	-	0	-	53	
2008	16,794	8,257	6,137	2,321	20	4	-	-	55	
2009	17,325	8,556	6,285	2,391	25	11	-	-	57	
2010	17,941	8,907	6,483	2,444	29	19	0	-	59	
2011	18,437	9,170	6,705	2,429	32	38	0	-	61	
2012	18,871	9,276	7,002	2,415	37	75	1	-	64	
2013	19,401	9,400	7,396	2,392	40	104	1	-	69	
2014	20,118	9,587	7,939	2,337	40	138	3	-	75	
2015	20,990	9,809	8,622	2,257	40	175	6	0	81	
2016	21,803	10,092	9,170	2,167	39	233	11	0	90	
2017	22,528	10,370	9,576	2,105	39	314	25	0	99	
2018	23,203	10,629	9,930	2,035	39	405	56	1	108	
2019	23,677	10,961	9,958	2,005	38	506	90	5	115	
2020	24,366	11,410	9,992	1,979	37	674	135	11	127	
2021	24,911	11,760	9,872	1,946	35	908	231	19	140	
2022	25,503	12,069	9,758	1,905	33	1,171	390	30	148	
2023	25,949	12,314	9,500	1,833	30	1,542	544	34	152	
2024 ^P	26,298	12,420	9,101	1,850	27	2,024	684	38	154	
2023	11	25,918	12,307	9,520	1,836	31	1,506	532	34	151
	12	25,949	12,314	9,500	1,833	30	1,542	544	34	152
2024 ^P	1	25,993	12,330	9,480	1,834	30	1,586	546	34	152
	2	26,020	12,339	9,460	1,836	30	1,620	547	35	152
	3	26,054	12,351	9,421	1,839	30	1,659	568	35	152
	4	26,070	12,365	9,369	1,842	29	1,698	579	35	153
	5	26,096	12,378	9,328	1,846	29	1,735	592	36	153
	6	26,134	12,390	9,300	1,849	29	1,771	607	36	153
	7	26,163	12,401	9,265	1,851	28	1,807	621	36	153
	8	26,172	12,399	9,232	1,851	28	1,837	636	37	153
	9	26,203	12,407	9,201	1,850	28	1,879	647	37	154
	10	26,233	12,412	9,164	1,851	28	1,925	661	37	154
	11	26,274	12,421	9,134	1,850	27	1,973	677	38	154
	12	26,298	12,420	9,101	1,850	27	2,024	684	38	154
2025 ^P	1	26,326	12,431	9,075	1,851	27	2,063	686	38	154
	2	26,338	12,426	9,040	1,850	27	2,104	699	38	154
	3	26,352	12,425	8,992	1,850	27	2,149	716	39	154
	4	26,358	12,426	8,931	1,851	26	2,197	733	39	154
	5	26,380	12,422	8,889	1,850	26	2,245	754	39	154
	6	26,408	12,420	8,852	1,849	26	2,292	775	39	155
	7	26,425	12,411	8,809	1,847	26	2,338	799	40	155
	8	26,435	12,402	8,769	1,845	26	2,375	822	41	155
	9	26,456	12,398	8,722	1,844	25	2,419	850	43	155
	10	26,462	12,391	8,681	1,842	25	2,455	870	43	155
	11	26,490	12,393	8,643	1,842	25	2,498	889	44	155

1. 하이브리드(휘발유+전기), 하이브리드(경유+전기), 하이브리드(LPG+전기), 하이브리드(CNG+전기), 하이브리드(LNG+전기)의 합

2. 수소와 수소전기의 합

3. 등유, 알코올, 태양열, LNG, 기타연료의 합

자료: 국토교통부

Registered Motor Vehicles

용도별 Vehicle usage			차종별 Vehicle type				특수 Special		
영업용 Commercial	관용 Government	자가용 Private	승용 Passenger	승합 Buses	화물 Trucks				
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		
1,961	101	24,237	21,771	666	3,717	144	2024 ^P		
1,920	99	23,899	21,359	696	3,726	137	11	2023	
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 ^P	
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 ^P	
1,965	101	24,271	21,815	662	3,717	144	2		
1,969	101	24,282	21,838	658	3,711	145	3		
1,976	101	24,280	21,856	653	3,704	145	4		
1,982	102	24,296	21,882	650	3,702	145	5		
1,990	102	24,317	21,914	648	3,701	145	6		
1,996	102	24,328	21,934	646	3,700	146	7		
2,001	102	24,332	21,946	643	3,700	146	8		
2,008	102	24,347	21,970	640	3,699	146	9		
2,012	102	24,348	21,979	638	3,699	147	10		
2,019	102	24,369	22,009	636	3,698	147	11		

1. Sum of hybrid (gasoline + electric), hybrid (diesel + electric), hybrid (LPG + electric), hybrid (CNG + electric), and hybrid (LNG + electric).

2. Sum of hydrogen and hydrogen-electric vehicles.

3. Sum of kerosene, alcohol, solar, LNG, and other fuel types.

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		13.2	2,551.5	159.2	13.7	2,347.8	133.6
2024 ^P		14.0	2,397.4	247.3	14.5	2,215.9	243.5
2023	11	6.5	348.1	-	7.9	303.3	-
	12	0.6	539.7	-	2.4	484.9	-
2024 ^P	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 ^P	1	-1.4	601.0	-	-0.2	563.6	-
	2	-1.8	555.2	-	-0.5	518.0	-
	3	7.1	337.8	-	7.6	323.9	-
	4	12.5	166.4	-	13.0	150.8	-
	5	16.8	64.1	0.4	16.8	58.5	-
	6	22.8	-	10.1	22.9	-	12.8
	7	27.4	-	108.9	27.1	-	99.2
	8	27.2	-	99.4	27.1	-	98.6
	9	22.6	-	12.2	23.0	-	16.6
	10	16.0	87.5	-	16.6	73.5	-
	11	8.1	297.1	-	8.6	283.0	-

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	172.8	82.0	82.6	77.7	13.1	2.5	14.4	
2024 ^P	136.1	79.7	80.7	75.8	11.0	2.2	12.8	
2023	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 ^P	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 ^P	1	118.6	80.1	79.2	75.1	14.7	4.1	13.2
	2	106.9	75.0	75.2	71.3	15.3	4.2	12.8
	3	104.0	71.7	72.6	67.8	13.2	4.1	12.5
	4	98.6	66.9	67.7	63.1	11.6	3.4	12.7
	5	104.4	63.0	64.2	61.0	11.7	3.1	12.3
	6	109.0	68.5	71.5	67.5	12.4	3.0	12.2
	7	112.9	69.2	71.0	67.4	11.6	3.2	11.9
	8	112.2	67.9	68.2	64.1	11.1	2.9	11.8
	9	106.3	67.8	68.0	63.7	11.1	3.0	11.5
	10	107.5	64.3	64.7	60.2	10.9	3.2	11.1
	11	112.6	63.8	63.6	59.6	10.4	3.8	11.0

자료: 세계은행

Source: World Bank Group

A. 에너지 단위

- 리터(ℓ , Liter) : 부피의 단위로 1리터는 1,000세제곱센티미터(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 ft^3 = 159 ℓ
- 석유환산톤(toe, Ton of Oil Equivalent) : 에너지 원별로 상이하게 표기되는 에너지 단위를 통합하여 표기할 수 있도록 원유 1톤이 연소할 때 발열량을 기준으로 정의함. 1toe는 10⁷kcal임.
- 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)

확장밸런스는 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 총측에 표시함. 에너지 상품의 흐름은 공급, 전환 공정, 에너지 산업 자체소비, 최종소비로 구분할 수 있음.

■ 국내생산 (Production)

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

■ 수입 (Imports)

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

■ 수출 (Exports)

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

■ 국제해운 bunker (International marine bunkers)

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

전환공정 (Transformation processes)

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

■ 발전전용 (Electricity-only plants)

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

■ 열병합 (CHP plants)

열병합발전은 단일 플랜트에서 전기와 열을 동시에 생산하는 방식을 말함.

■ 열전용 (Heat-only plants)

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

■ 석유제품생산 (Petroleum products)

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

■ 가스제조 (Gas manufacturing (transf.))

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

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

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

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

연료전지용 수소가 투입되어 전기가 생산되는 공정.

전환자체소비(Transformation own use)

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

손실 (Losses)

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

최종소비 (Total final consumption)

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

■ 산업 (Industry)

산업부문은 기업의 생산활동을 목적으로 한 연료 소비를 표현함. 여기서 생산활동은 생산 공정뿐만 아니라 생산을 위한 지원 설비, 즉 조명, 공조, 난방 등의 연료 소비를 포함함. 반면, 건설 및 산업용 이동 장비가公道(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, 운수 등의 용도로 사용되는 연료의 소비를 포함.

■ 상업·공공 (Commercial & Public services)

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

3. 간이밸런스의 열 구조

석탄 및 석탄제품 (Coal)

■ 무연탄 (Anthracite)

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

■ 유연탄 및 기타석탄 (Bituminous and other coal)

- 원료탄 (Cocking coal): 코크스 제조용 원료로 사용되는 석탄임. 코크스용 원료탄은 강접결성 및 미접결성을 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.
- 고품연료 (Patent fuel): 연탄, 마작탄, 기타 고품연료 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 회전이 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, 고휘바이오매스, 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 일차 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 일차에너지 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°C~120°C의 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) : 가스정제 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 미국석유협회(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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