



승인번호
제 339001 호

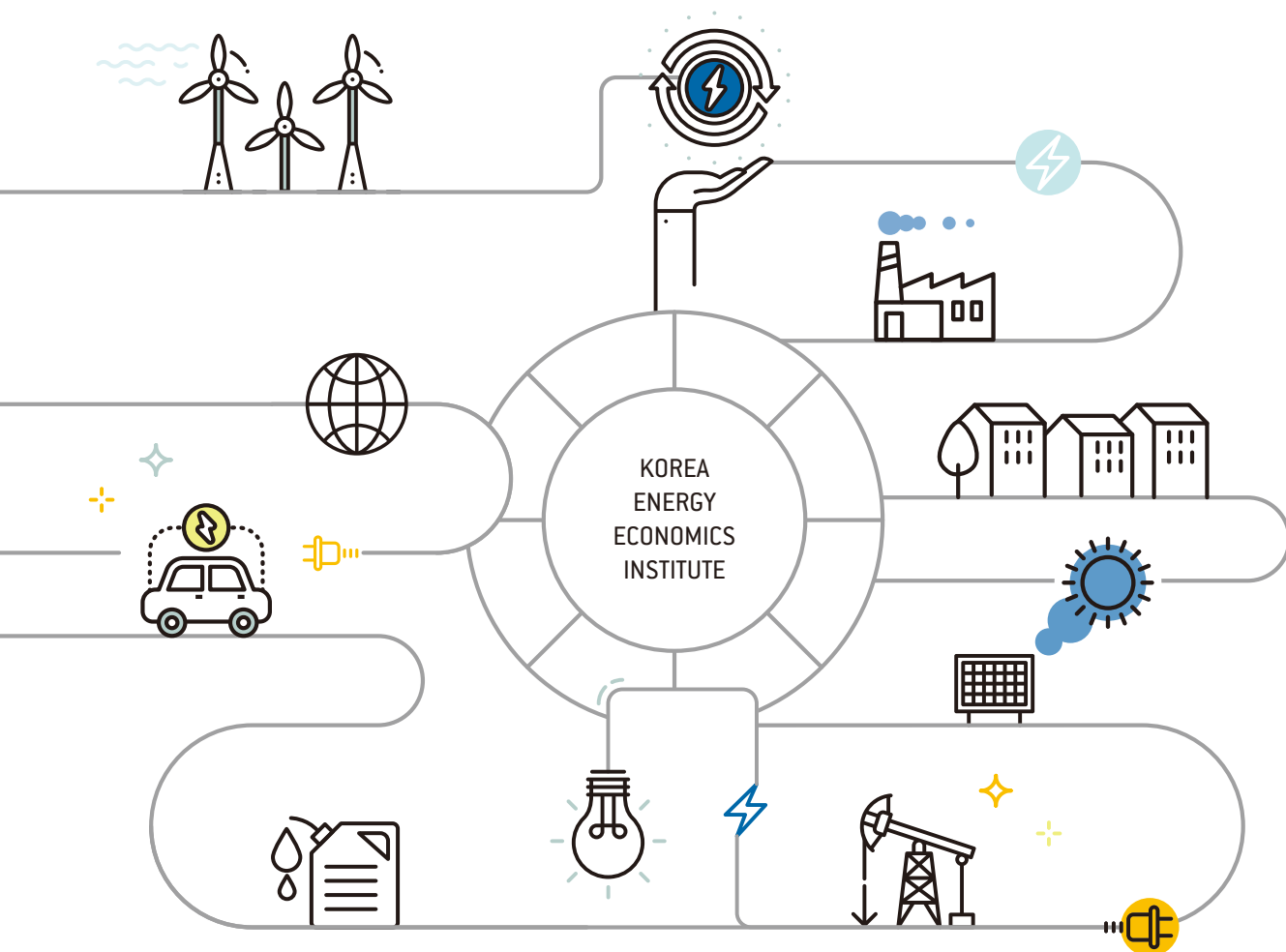
VOL. 39-09

2023/09

에너지통계월보

MONTHLY ENERGY STATISTICS

2023년 6월 자료



산업통상자원부

에너지경제연구원
Korea Energy Economics Institute



약어 및 부호 Abbreviations and Conventional Signs

kcal : Kilocalorie(킬로 칼로리)

GWh : Gigawatt hour(기가와트아워)

MWh : Megawatt hour(메가와트아워)

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

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

- Nil(없음)

p Preliminary(잠정값)

... Not available(해당없음)

e Estimate(추정값)

열량환산계수 적용안내

에너지법 시행규칙 제5조제1항에 의거

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



에너지경제연구원
Korea Energy Economics Institute

주소: 울산광역시 중구 중가로 405-11(성안동)

전화: 052-714-2114

팩스: 052-714-2028

전자우편: EnergyStat@keei.re.kr

홈페이지: <http://www.keei.re.kr>

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

1. 일러두기 Explanatory Notes

1. 에너지밸런스 개정에 따른 에너지통계월보 통계량의 변화

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

2. 에너지수급통계 작성 개요

가. 통계작성 근거

- 에너지법 제19조(에너지 관련 통계의 관리·공표)

나. 통계작성 승인 내용

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

1. 일러두기 Explanatory Notes

다. 연혁

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

라. 작성 방법

- “에너지통계의 작성 등에 관한 규정”(산업통상자원부 고시 제2020-40호) 제4조의 에너지수급통계 작성기관에서 매월 생산 및 판매실적을 보고 받아 에너지경제연구원에서 에너지밸런스 및 국가에너지수급 관련 통계를 작성
※ 에너지수급통계 작성 체계 참조

마. 작성 내용

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

바. 결과 공표

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

1. 일러두기 Explanatory Notes

사. 에너지수급통계 작성 체계



2020년 1/4분기 가계동향조사 보도참고자료

〈가계동향조사 통합 작성 배경 및 내용〉

1) 통합 작성 배경

- 통계청은 가계동향조사(~2016년)를 기존 가계수지조사에서 가계지출통계로 특화하여 연간주기 통계로 재편('16.末)
 - 이를 통해 지출과 소득통계를 각각의 통계작성 목적에 가장 적합한 조사체계로 개편*하여 통계의 정확성 제고 및 응답부담 경감 도모
 - * 소득통계는 행정자료를 통해 소득을 보완할 수 있는 가계금융복지조사로 대체
- 2017년 이후 학계와 주요 정책부처를 중심으로
 - ① 시의성 있는 가계경제 진단을 위한 동향통계의 필요성
 - ② 가계소득과 지출을 연계(평균소비성향, 흑자율, 소득계층별 지출실태 등)하여 종합분석이 가능한 기초자료 요구가 지속

2) 주요 추진방향

- 가구소득과 지출을 연계하여 가계수지 진단 및 종합분석이 가능한 분기 가계동향통계 생산
 - ① (표본설계) 가계소득-지출조사 전용표본 체계를 통한 고소득층 포착 강화 및 통계의 정확성 제고
 - ② (표본체계) 6-6-6 연동표본 운영을 통해 표본가구의 응답부담을 기존 36개월에서 12개월로 1/3수준으로 경감
 - ③ (조사방법) 가계부 조사방법을 통해 가계 소득 및 지출을 동시 파악

3) 주요 추진경과

- 분기 소득동향통계 작성 재개 및 소득-지출 연계방안 검토('17.12월)
- 소득-지출통계 통합 관련 1~3차 외부전문가 회의 실시('18.4월, 7월, 8월)
- 국가통계위원회 사회통계분과위원회 안건 상정('18.10.5.)
- 국가통계위원회 본회의 안건 상정('18.11.16.)
- 2019년도 국회 예산심의 업무설명('18.9~12월)
- 2019년 가계동향조사 통합조사 실시('19.1월~)

4) 개편 전후 비교표

•분기 소득동향통계 작성 재개 및 소득-지출 연계방안 검토('17.12월)

| 구분 | ~2016년 | 소득부문(분기) | 지출부문(연간) | 2019년 ^{1) 2)} ~ |
|----------------|--------------------|---|---|--|
| | | 2017년~2019년 ¹⁾ | 2017년~2018년 | |
| 조사대상 | 일반가구 (농림어가 제외) | 일반가구 (농림어가 제외) | 일반가구 (농림어가 포함) | 일반가구 (농림어가 포함) |
| 표본설계 | 경제활동인구조사 다목적 표본 | 경제활동인구조사 다목적 표본 | 전용표본 | 전용표본 |
| 표본규모 (적격기준) | 월 약 8,700가구 | 2017년 월 약 5,500가구 2018-19년 월 약 8,000가구 | 월 1,000가구(1/12 순환) 연간 약 12,000가구 | 월 약 7,200가구 |
| 조사표 | 가계부 | 면접조사표 | 가계부, 연간조사표 | 가계부 |
| 조사기간 | 36개월 | 36개월 | 1개월 | 12개월(6-6-6) ³⁾ |
| 조사 항목 | 가구 실태 | 거처종류, 점유형태, 보증금(월세), 월세평가액, 주거면적, 자동차, 가구 원별 종사상지위·성·연령·직업·산업 | 거처종류, 점유형태, 보증금(월세), 월세평가액, 주거면적, 자동차, 가구원별 종사상지위·성·연령, 가구주의 직업·산업 | 거처종류, 점유형태, 보증금(월세), 월세평가액, 주거면적, 자동차, 가구원별 종사상지위·성·연령·직업·산업 |
| | 소득 | 당월 경상소득(근로, 사업, 재산, 이전)·비경상소득 | 전년 경상소득(근로, 사업, 재산, 이전) | 당월 경상소득(근로, 사업, 재산, 이전)·비경상소득 |
| | 지출 | 소비지출, 비소비지출 | 소비지출, 비소비지출 | 소비지출, 비소비지출 |
| 분기 공표 항목 | 소득 | 경상소득(근로, 사업, 재산, 이전), 비 경상소득 | - | 경상소득(근로, 사업, 재산, 이전), 비 경상소득 |
| | 지출 | 소비지출, 비소비지출 | - | 소비지출, 비소비지출 |
| | 가계수지 | 흑자율, 소비성향, 처분가능소득 | - | 흑자율, 소비성향, 처분가능소득 |
| | 가계수지 | 5분위 배율 | - | 5분위배율 |
| 연간 공표 항목 | 소득 | 경상소득(근로, 사업, 재산, 이전), 비 경상소득 | - ⁴⁾ | - ⁵⁾ |
| | 지출 | 소비지출, 비소비지출 | - | 소비지출, 비소비지출 |
| | 가계수지 | 흑자율, 소비성향, 처분가능소득 | - | - |
| | 소득분배 | 5분위 배율, 빈곤율, 지니계수 | - ⁴⁾ | - |

주: 1) 기존 분기소득조사와 개편된 가계동향조사 병행 실시

2) 2019년 조사결과는 2020년 1/4분기 결과 공표 시 소급하여 공표

3) 표본가구로 선정되면 6개월 동안 연속하여 조사를 한 후, 6개월의 휴식기간을 두고 다시 6개월 동안 조사를 진행

4) 2017년 공식 연간소득통계 및 소득분배지표는 가계금융복지조사로 이관('17.12.)

5) 가구특성(소득 5분위, 소득구간별 등)으로만 사용

※ 본 저작물은 통계청에서 2020년 작성하여 공공누리 제1유형으로 개방한 「2020년 1/4분기 가계동향조사 보도참고자료(담당부서: 사회통계국 가계수지동향과)」를 이용하였으며, 해당 저작물은 '통계청(kostat.go.kr)'에서 무료로 다운받으실 수 있습니다.

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

라. 비중과 톤당 용적(60°F 기준)

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

마. 단위의 배수

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

바. 석유제품환산표

| 구 분 | 배럴→톤 | 톤→배럴 | 배럴/일→톤/년 | 톤/년→배럴/일 |
|-----|-------|------|----------|----------|
| 원유 | 0.136 | 7.33 | 49.8 | 0.0201 |
| 휘발유 | 0.118 | 8.45 | 43.2 | 0.0232 |
| 등유 | 0.128 | 7.80 | 46.8 | 0.0214 |
| 경유 | 0.133 | 7.50 | 48.7 | 0.0205 |
| 중유 | 0.149 | 6.70 | 54.5 | 0.0184 |

※ 세계평균비중

사. 원유환산표

| 구 분 | 톤 (메트릭톤) | 롱 톤 | 숏 톤 | 배럴 | 입방미터 (m³) | 1천 갤런 (영) | 1천 갤런 (미) |
|----------|-------------|-------|-------|------|--------------|--------------|--------------|
| 톤 (메트릭톤) | 1 | 0.984 | 1.102 | 7.33 | 1.16 | 0.256 | 0.308 |
| 롱톤 | 1.016 | 1 | 1.120 | 7.45 | 1.18 | 0.261 | 0.313 |
| 숏톤 | 0.907 | 0.893 | 1 | 6.65 | 1.05 | 0.233 | 0.279 |
| 배럴 | 0.136 | 0.134 | 0.150 | 1 | 0.159 | 0.035 | 0.042 |
| 입방미터(m³) | 0.863 | 0.849 | 0.951 | 6.29 | 1 | 0.220 | 0.264 |
| 천 갤런(영) | 3.91 | 3.83 | 4.29 | 28.6 | 4.55 | 1 | 1.201 |
| 천 갤런(미) | 3.25 | 3.19 | 3.58 | 23.8 | 3.79 | 0.833 | 1 |

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) | Nm³ | 42.7 | 10,190 | 1.019 | 38.5 | 9,190 | 0.919 |
| | 도시가스(LPG) | Nm³ | 63.4 | 15,150 | 1.515 | 58.3 | 13,920 | 1.392 |
| 석탄 (7종) | 국내무연탄 | kg | 19.7 | 4,710 | 0.471 | 19.4 | 4,620 | 0.462 |
| | 연료용 수입무연탄 | kg | 23.0 | 5,500 | 0.550 | 22.3 | 5,320 | 0.532 |
| | 원료용 수입무연탄 | kg | 25.8 | 6,170 | 0.617 | 25.3 | 6,040 | 0.604 |
| | 연료용 유연탄(역청탄) | kg | 24.6 | 5,860 | 0.586 | 23.3 | 5,570 | 0.557 |
| | 원료용 유연탄(역청탄) | kg | 29.4 | 7,030 | 0.703 | 28.3 | 6,760 | 0.676 |
| | 아역청탄 | kg | 20.6 | 4,920 | 0.492 | 19.1 | 4,570 | 0.457 |
| | 코크스 | kg | 28.6 | 6,840 | 0.684 | 28.5 | 6,810 | 0.681 |
| 전기 등 (3종) | 전기(발전기준) | kWh | 8.9 | 2,130 | 0.213 | 8.9 | 2,130 | 0.213 |
| | 전기(소비기준) | kWh | 9.6 | 2,290 | 0.229 | 9.6 | 2,290 | 0.229 |
| | 신탄 | kg | 18.8 | 4,500 | 0.450 | - | - | - |

- 주 1) “총발열량”이란 연료의 연소과정에서 발생하는 수증기의 잠열을 포함한 발열량을 말한다.
 2) “순발열량”이란 연료의 연소과정에서 발생하는 수증기의 잠열을 제외한 발열량을 말한다.
 3) “석유환산톤”(toe: Ton of oil equivalent)이란 원유 1톤이 갖는 열량으로 10⁷kcal를 말한다.
 4) 석탄의 발열량은 인수식을 기준으로 한다.
 5) 최종에너지사용자가 사용하는 전기에너지를 열에너지로 환산할 경우에는 1kWh=860kcal를 적용한다.
 6) 1cal=4.1868J, Nm³은 0℃ 1기압 상태의 단위체적(세제곱미터)을 말한다.
 7) 에너지원별 발열량(MJ)은 소수점 아래 둘째 자리에서 반올림한 값이며, 발열량(kcal)은 발열량(MJ)으로부터 환산한 후 1의 자리에서 반올림한 값이다. 두 단위 간 상충될 경우 발열량(MJ)이 우선한다.

나. 총발열량 추이

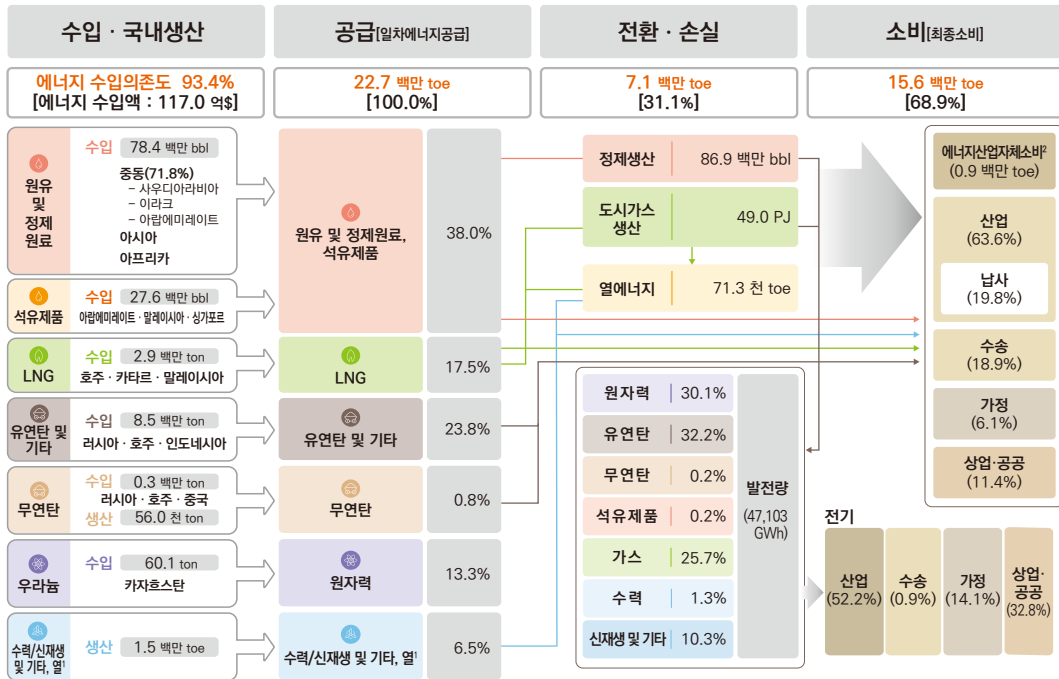
| 에너지원 | | 단위 | 총발열량(㎉) | | | | | | | | '17년 대비 열량 증감 |
|--------------|--------------|-----|---------|--------|--------|----------|--------|--------|--------|--------|------------------|
| | | | 1980 | 1981 | 1987 | 1990 | 2007 | 2012 | 2017 | 2022 | |
| 석유 (18종) | 원유 | kg | 10,000 | 10,000 | 10,000 | 10,000 | 10,750 | 10,730 | 10,750 | 10,920 | ↑ 170 |
| | 휘발유 | ℓ | 8,300 | 8,300 | 8,300 | 8,300 | 8,000 | 7,780 | 7,810 | 7,750 | ↓ 60 |
| | 등유(실내) | ℓ | 8,700 | 8,700 | 8,700 | 8,700 | 8,800 | 8,790 | 8,770 | 8,740 | ↓ 30 |
| | 등유(보일러) | | | | | | 8,950 | | | | |
| | 경유 | ℓ | 9,200 | 9,200 | 9,200 | 9,200 | 9,050 | 9,010 | 9,030 | 9,020 | ↓ 10 |
| | 바이오디젤 | ℓ | - | - | - | - | - | - | - | 8,280 | - |
| | B-A | ℓ | 9,500 | 9,400 | 9,400 | 9,400 | 9,300 | 9,290 | 9,310 | 9,310 | - |
| | B-B | ℓ | 9,200 | 9,700 | 9,700 | 9,700 | 9,650 | 9,670 | 9,670 | 9,690 | ↑ 20 |
| | B-C | ℓ | 9,900 | 9,900 | 9,900 | 9,900 | 9,900 | 9,950 | 9,960 | 9,980 | ↑ 20 |
| | 프로판 | kg | 12,000 | 12,000 | 12,000 | 12,000 | 12,050 | 12,050 | 12,040 | 12,000 | ↓ 40 |
| | 부탄 | kg | 11,800 | 11,800 | 11,800 | 11,800 | 11,850 | 11,850 | 11,820 | 11,790 | ↓ 30 |
| | 나프타 | ℓ | 8,000 | 8,000 | 8,000 | 8,000 | 8,050 | 7,710 | 7,710 | 7,700 | ↓ 10 |
| | 용제 | ℓ | - | - | - | (8,200) | 7,950 | 7,950 | 7,830 | 7,830 | - |
| | 항공유(JA-1) | ℓ | - | 8,700 | 8,700 | 8,700 | 8,750 | 8,730 | 8,720 | 8,720 | - |
| | 항공유(JP-4) | ℓ | - | 8,500 | 8,500 | 8,500 | | | | | |
| | 항공유(AVI-G) | ℓ | - | 8,700 | 8,700 | 8,700 | | | | | |
| | 아스팔트 | kg | - | - | - | (10,000) | 9,900 | 9,910 | 9,890 | 9,880 | ↓ 10 |
| | 윤활유 | ℓ | - | - | - | (9,400) | 9,250 | 9,500 | 9,550 | 9,450 | ↓ 100 |
| | 석유코크스 | kg | - | - | - | (10,800) | 8,100 | 8,000 | 8,360 | 8,330 | ↓ 30 |
| | 부생연료유1호 | ℓ | - | - | - | - | 8,850 | 8,800 | 8,860 | 8,900 | ↑ 40 |
| | 부생연료유2호 | ℓ | - | - | - | - | 9,700 | 9,550 | 9,530 | 9,530 | - |
| 가스 (3종) | 액화천연가스(LNG) | kg | - | 9,500 | 12,980 | 13,000 | 13,000 | 13,040 | 13,060 | 13,080 | ↑ 20 |
| | 도시가스(LNG) | Nm³ | 7,000 | 7,000 | 7,000 | 10,500 | 10,550 | 10,430 | 10,290 | 10,190 | ↓ 100 |
| | 도시가스(LPG) | Nm³ | - | - | - | 15,000 | 15,000 | 15,000 | 15,190 | 15,150 | ↓ 40 |
| 석탄 (7종) | 국내 무연탄 | kg | 4,600 | 4,600 | 4,500 | 4,500 | 4,650 | 4,500 | 4,730 | 4,710 | ↓ 20 |
| | 연료용 수입 무연탄 | kg | - | - | - | 6,000 | 6,550 | 5,020 | 5,060 | 5,500 | ↑ 440 |
| | 원료용 수입 무연탄 | kg | | | | | | 5,900 | 6,020 | 6,170 | ↑ 150 |
| | 연료용 유연탄(역청탄) | kg | 6,600 | 6,600 | 6,600 | 6,600 | 6,200 | 6,160 | 5,920 | 5,860 | ↓ 60 |
| | 원료용 유연탄(역청탄) | kg | | | | | | 7,000 | 7,000 | 6,970 | ↑ 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

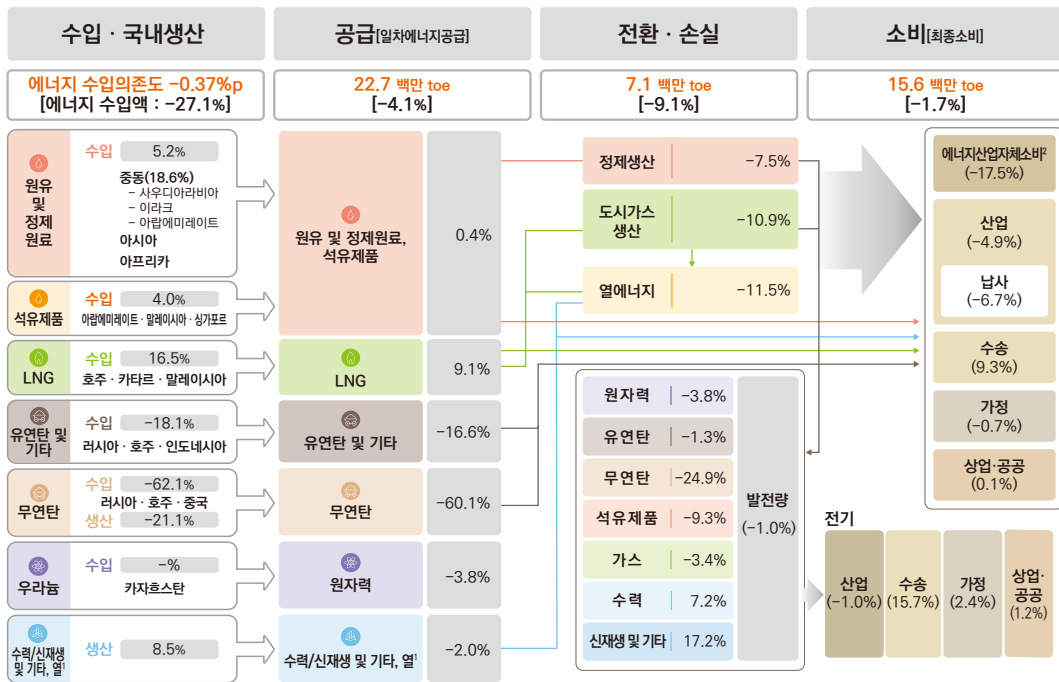
Contents

| | |
|--|-----|
| 1. 에너지개요 및 일차에너지 | 005 |
| Energy Overview and Total Primary Energy | |
| 2. 최종소비 | 023 |
| Total Final Consumption | |
| 3. 석탄 | 039 |
| Coal | |
| 4. 가스 | 047 |
| Natural Gas and City Gas | |
| 5. 석유 | 053 |
| Oil | |
| 6. 전·가·열 | 075 |
| Electricity and Heat | |
| 7. 에너지 가격 | 085 |
| Energy Prices | |
| 8. 주요 경제·사회 지표 | 095 |
| Major Economic and Social Indicators | |
| 9. 해외 에너지 | 107 |
| World Energy | |
| 10. 에너지밸런스(개정전) | 114 |
| Pre-revision Energy Balance | |
| 부록 | 125 |
| Appendix | |

2023년 6월 에너지 플로우

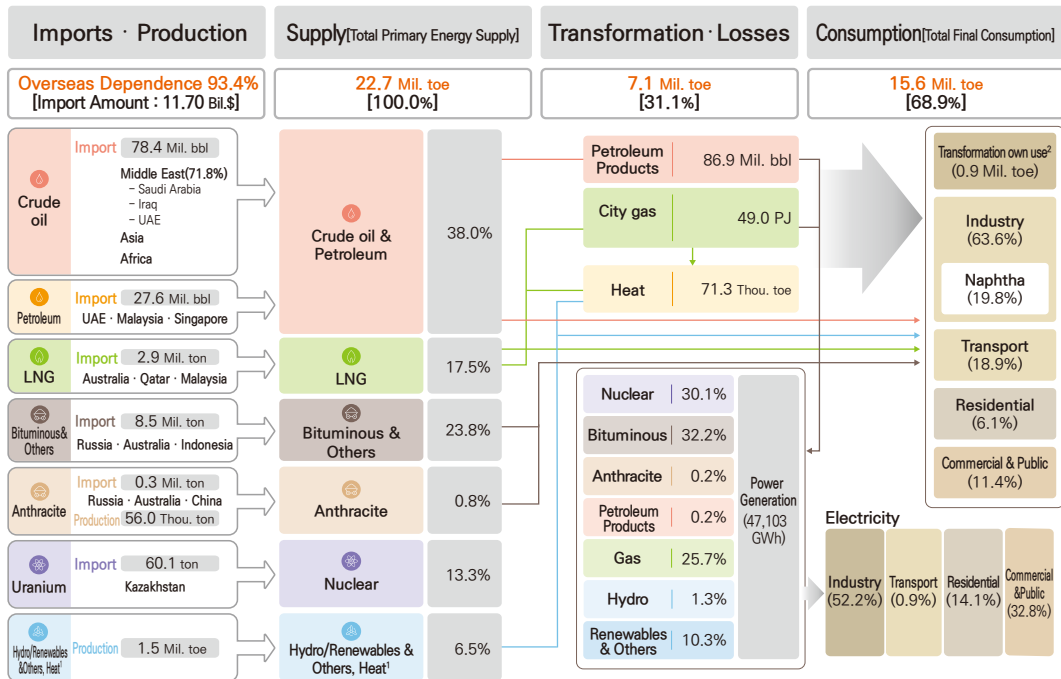


2023년 6월 에너지 플로우(전년 동월대비)

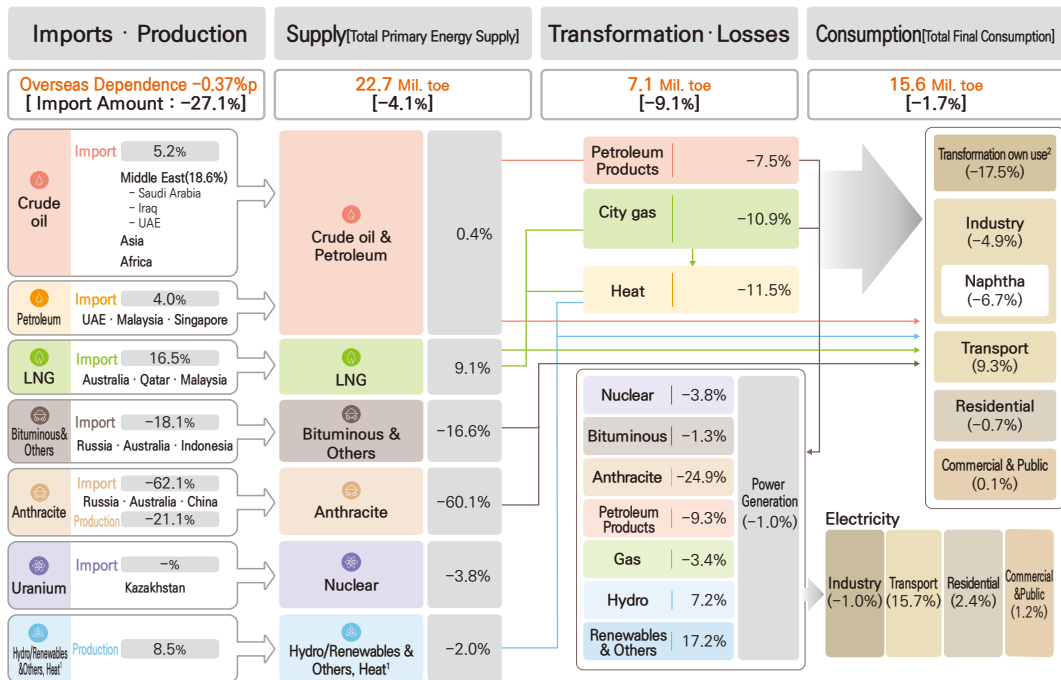


1. 신재생 및 기타에너지: 1)바이오및폐기물, 2)지열, 태양및기타로 구성됨.
2. 에너지산업 자체소비는 에너지생산 플랜트의 활동을 유지하는데 사용되는 에너지 상품을 의미. 다른 에너지 상품으로 전환되지 않기 때문에 전환과정과 구별되며, 산업활동을 위한 에너지소비인 최종소비 산업부문에도 포함되지 않음.

June 2023 Energy Flow



June 2023 Energy Flow (Year-Over-Year)



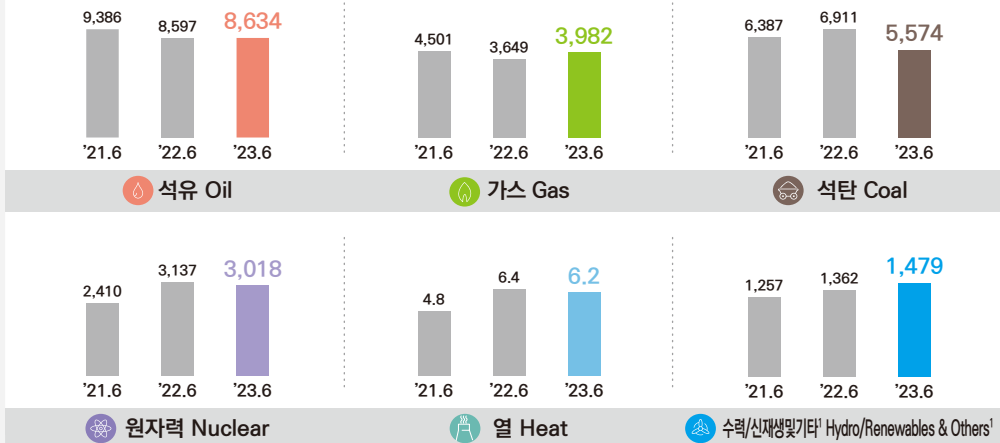
1. Renewables & Others consist of 1) Biofuels and waste, 2) Geothermal, solar, etc.

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)



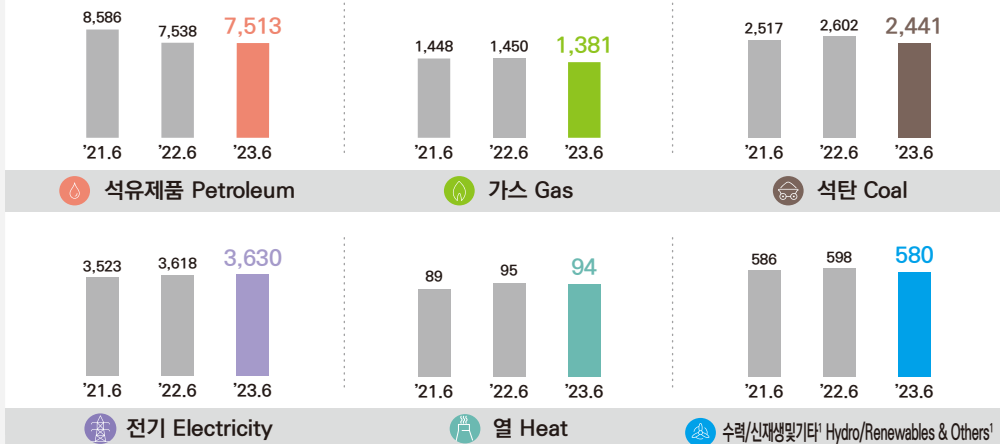
합계 Total



최종소비 Total Final Consumption (단위: 1,000 toe)



합계 Total



1. 신재생 및 기타에너지: 1)바이오및폐기물, 2)지열, 태양및기타로 구성됨.

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



1. 에너지개요 및 일차에너지

Energy Overview and Total Primary Energy

1.1 주요 에너지 지표

Principal Energy Indicators

1.2 에너지 생산

Energy Production

1.3 에너지 수출입

Energy Imports and Exports

1.4 에너지 수출입액

Energy Trade Value

1.5 일차에너지공급

Total Primary Energy Supply

1.6 일차에너지공급 원별 구성비

Shares of Energy Source in Total Primary Energy Supply

1.7 일차에너지소비

Total Primary Energy Consumption

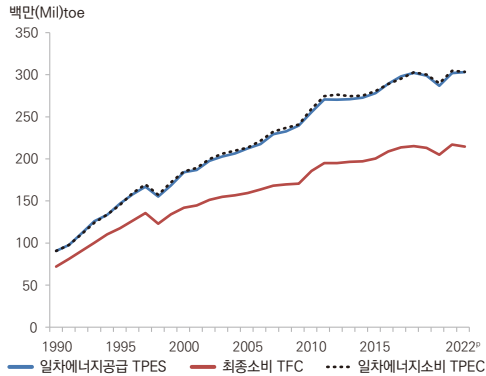
1.8 일차에너지소비 원별 구성비

Shares of Energy Sources in Total Primary
Energy Consumption

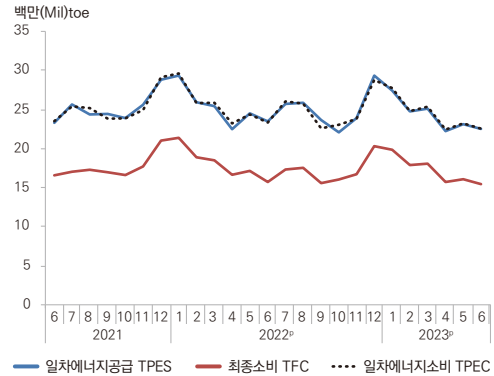


● 일차에너지공급, 최종소비 Total Primary Energy Supply, Total Final Consumption

〈1990~2022^p〉

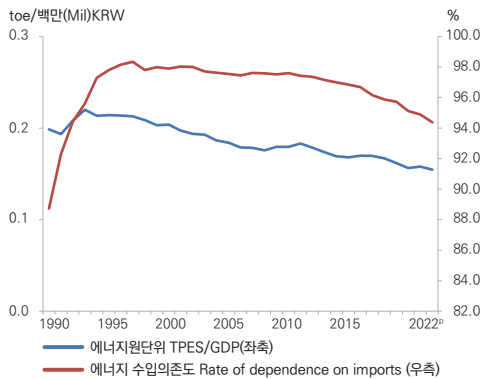


〈월별 Monthly〉

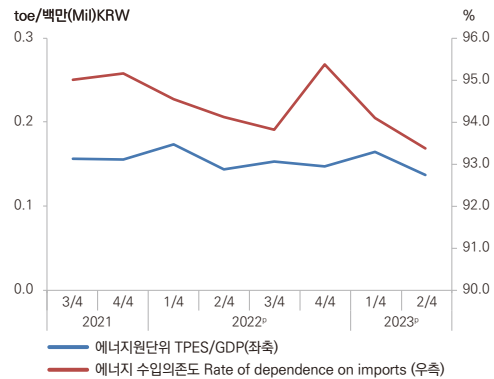


● 에너지원단위, 에너지 수입의존도 Energy Intensity, Energy dependence on imports

〈1990~2022^p〉

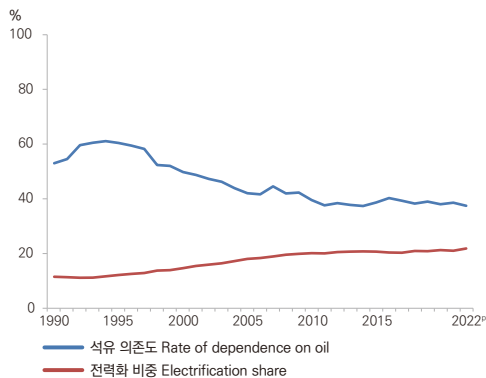


〈분기 Quarterly〉

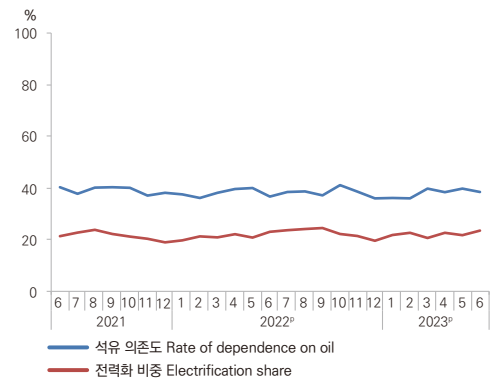


● 석유 의존도, 전력화 비중 Rate of Dependence on Oil, Electrification Share

〈1990~2022^p〉



〈월별 Monthly〉



1.1 주요 에너지지표

Principal Energy Indicators

| 구분 | | 일차에너지 공급 | 일차에너지 소비 | 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 | 89,680 | 89,775 | 71,150 | 0.197 | 8,209 | 88.7 | 52.8 | 11.2 |
| | | 1995 | 145,618 | 144,201 | 116,508 | 0.213 | 18,670 | 97.7 | 60.3 | 11.9 |
| | | 2000 | 183,078 | 183,950 | 140,958 | 0.203 | 37,622 | 97.8 | 49.6 | 14.4 |
| | | 2001 | 185,809 | 188,021 | 143,589 | 0.196 | 33,652 | 98.0 | 48.6 | 15.2 |
| | | 2002 | 196,452 | 198,596 | 150,381 | 0.192 | 31,997 | 97.9 | 47.1 | 15.7 |
| | | 2003 | 201,738 | 204,898 | 153,972 | 0.192 | 37,982 | 97.6 | 46.0 | 16.1 |
| | | 2004 | 205,220 | 208,533 | 155,678 | 0.185 | 49,075 | 97.5 | 43.7 | 16.9 |
| | | 2005 | 211,344 | 212,129 | 158,478 | 0.183 | 66,238 | 97.5 | 41.8 | 17.7 |
| | | 2006 | 216,261 | 220,287 | 162,528 | 0.178 | 84,905 | 97.4 | 41.4 | 18.1 |
| | | 2007 | 228,129 | 231,105 | 167,225 | 0.177 | 94,306 | 97.5 | 44.4 | 18.6 |
| | | 2008 | 231,298 | 235,702 | 168,469 | 0.175 | 139,288 | 97.5 | 41.7 | 19.3 |
| | | 2009 | 238,416 | 239,526 | 169,567 | 0.178 | 90,259 | 97.4 | 42.1 | 19.6 |
| | | 2010 | 254,399 | 258,112 | 184,581 | 0.178 | 120,478 | 97.5 | 39.4 | 19.8 |
| | | 2011 | 269,199 | 273,296 | 193,726 | 0.182 | 170,497 | 97.4 | 37.4 | 19.8 |
| | | 2012 | 268,993 | 274,889 | 193,771 | 0.178 | 182,252 | 97.3 | 38.2 | 20.3 |
| | | 2013 | 269,531 | 273,137 | 195,292 | 0.172 | 176,561 | 97.1 | 37.6 | 20.5 |
| | | 2014 | 271,252 | 273,712 | 195,889 | 0.168 | 170,117 | 96.9 | 37.2 | 20.5 |
| | | 2015 | 276,793 | 279,328 | 199,347 | 0.167 | 100,440 | 96.8 | 38.4 | 20.4 |
| | | 2016 | 288,018 | 287,561 | 207,553 | 0.169 | 79,953 | 96.6 | 40.0 | 20.1 |
| | | 2017 | 296,719 | 293,820 | 212,431 | 0.169 | 107,921 | 96.1 | 39.1 | 20.0 |
| | | 2018 | 300,738 | 301,324 | 214,001 | 0.166 | 143,285 | 95.8 | 38.1 | 20.6 |
| | | 2019 | 297,612 | 298,618 | 211,733 | 0.161 | 124,777 | 95.7 | 38.8 | 20.6 |
| | | 2020 | 285,512 | 288,410 | 203,747 | 0.155 | 85,444 | 95.0 | 37.8 | 21.0 |
| | | 2021 | 300,515 | 303,183 | 215,664 | 0.157 | 135,935 | 94.8 | 38.3 | 20.7 |
| | | 2022 ^p | 303,985 | 304,499 | 214,004 | 0.154 | 216,402 | 94.3 | 37.7 | 21.5 |
| 2021 | 6 | 23,496 | 23,716 | 16,748 | 0.146 | 10,473 | 94.5 | 39.9 | 21.0 | |
| | 7 | 25,847 | 25,594 | 17,219 | - | 11,839 | 94.9 | 37.4 | 22.4 | |
| | 8 | 24,560 | 25,365 | 17,480 | - | 11,966 | 94.8 | 39.8 | 23.5 | |
| | 9 | 24,642 | 24,010 | 17,160 | 0.157 | 12,161 | 95.0 | 39.9 | 21.9 | |
| | 10 | 24,085 | 24,048 | 16,808 | - | 13,441 | 94.9 | 39.7 | 20.9 | |
| | 11 | 25,815 | 25,110 | 17,902 | - | 14,519 | 95.2 | 36.7 | 20.0 | |
| | 12 | 28,984 | 29,339 | 21,217 | 0.156 | 15,519 | 95.1 | 37.8 | 18.6 | |
| 2022 ^p | 1 | 29,524 | 29,806 | 21,568 | - | 18,359 | 95.4 | 37.1 | 19.4 | |
| | 2 | 26,119 | 26,007 | 19,071 | - | 14,959 | 94.9 | 35.8 | 21.0 | |
| | 3 | 25,610 | 26,058 | 18,671 | 0.174 | 19,148 | 94.5 | 37.8 | 20.6 | |
| | 4 | 22,677 | 23,421 | 16,831 | - | 17,073 | 93.6 | 39.2 | 21.8 | |
| | 5 | 24,687 | 24,569 | 17,316 | - | 17,157 | 93.6 | 39.6 | 20.5 | |
| | 6 | 23,661 | 23,511 | 15,901 | 0.144 | 16,052 | 94.1 | 36.3 | 22.8 | |
| | 7 | 25,898 | 26,222 | 17,509 | - | 20,859 | 94.2 | 38.1 | 23.3 | |
| | 8 | 26,063 | 25,944 | 17,718 | - | 20,464 | 94.0 | 38.3 | 23.8 | |
| | 9 | 23,840 | 22,770 | 15,773 | 0.153 | 19,516 | 93.8 | 36.8 | 24.2 | |
| | 10 | 22,264 | 23,250 | 16,234 | - | 17,478 | 93.6 | 40.7 | 21.9 | |
| | 11 | 24,107 | 23,988 | 16,924 | - | 17,228 | 94.6 | 38.3 | 21.1 | |
| | 12 | 29,532 | 28,953 | 20,488 | 0.148 | 18,109 | 95.4 | 35.6 | 19.2 | |
| 2023 ^p | 1 | 27,608 | 27,928 | 20,053 | - | 17,933 | 94.9 | 35.8 | 21.5 | |
| | 2 | 24,940 | 24,973 | 18,063 | - | 17,706 | 94.7 | 35.6 | 22.4 | |
| | 3 | 25,306 | 25,536 | 18,249 | 0.165 | 16,263 | 94.1 | 39.4 | 20.3 | |
| | 4 | 22,416 | 22,625 | 15,920 | - | 12,699 | 92.9 | 38.0 | 22.4 | |
| | 5 | 23,294 | 23,433 | 16,258 | - | 13,175 | 93.6 | 39.4 | 21.4 | |
| | 6 | 22,692 | 22,752 | 15,639 | 0.138 | 11,700 | 93.4 | 38.0 | 23.2 | |
| 2022 ^p | 1-6 | 152,279 | 153,372 | 109,358 | 0.158 | 102,749 | 94.4 | 37.6 | 21.0 | |
| 2023 ^p | 1-6 | 146,257 | 147,247 | 104,183 | 0.151 | 89,475 | 93.9 | 37.7 | 21.9 | |

1. 월별 수치는 분기자료임.

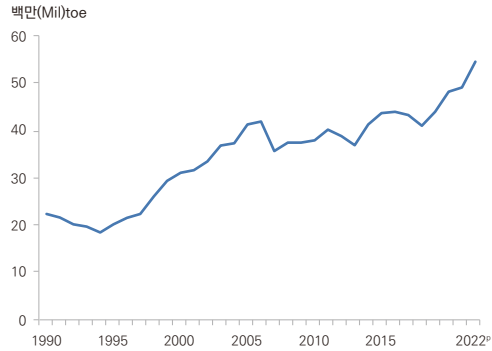
2. 원자력 발전 포함.

1. Monthly figures are on quarterly basis.

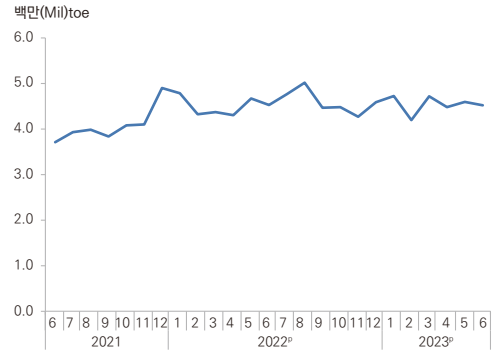
2. Includes nuclear power.

● 에너지 생산 Energy Production

〈1990~2022^o〉

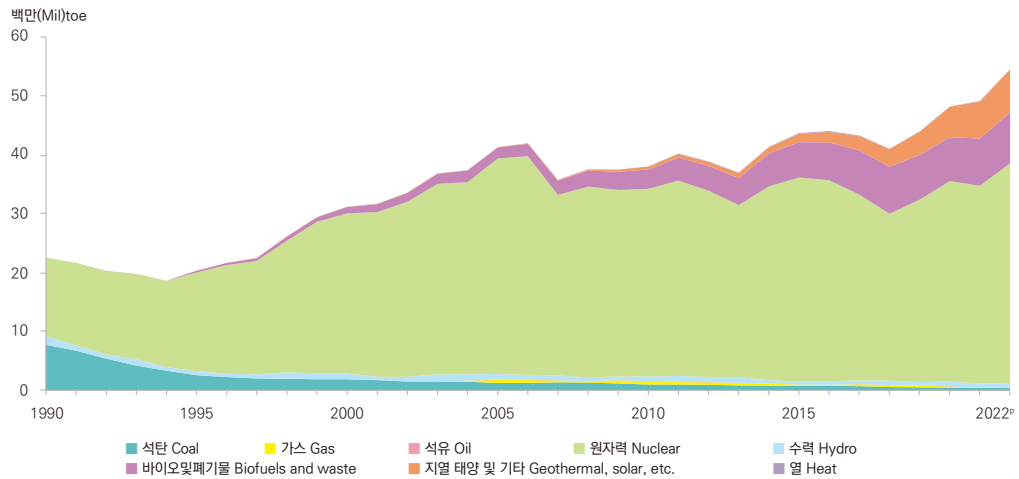


〈월별 Monthly〉

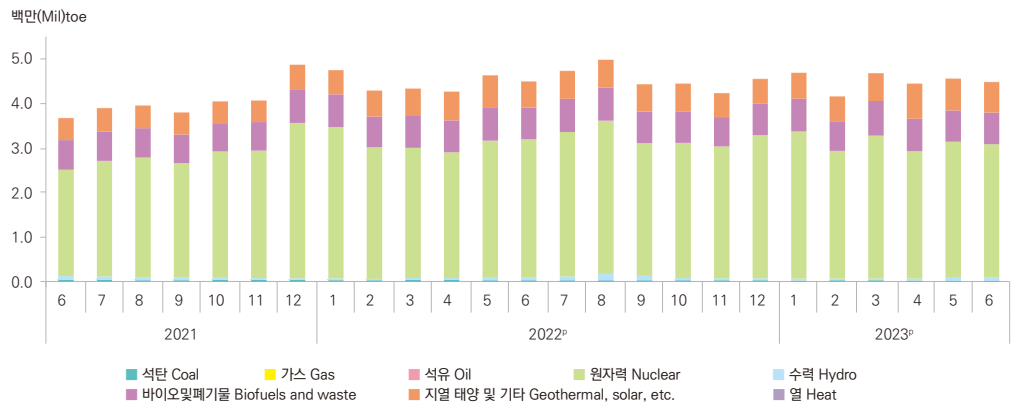


● 에너지원별 생산 Energy Production by Source

〈1990~2022^o〉



〈월별 Monthly〉



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 | | 22,560 | 7,748 | - | - | 13,222 | 1,571 | 6 | 10 | 3 |
| 1995 | | 20,362 | 2,574 | - | - | 16,757 | 690 | 315 | 23 | 3 |
| 2000 | | 31,255 | 1,868 | - | - | 27,241 | 1,002 | 1,088 | 47 | 10 |
| 2001 | | 31,754 | 1,718 | - | - | 28,033 | 582 | 1,366 | 42 | 13 |
| 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 ^p | | 54,674 | 386 | - | 2 | 37,500 | 755 | 8,664 | 7,292 | 75 |
| 2021 | 6 | 3,711 | 39 | 2 | 0 | 2,410 | 83 | 672 | 501 | 5 |
| | 7 | 3,936 | 37 | 3 | 0 | 2,621 | 78 | 665 | 526 | 6 |
| | 8 | 3,992 | 29 | 2 | 0 | 2,722 | 61 | 662 | 510 | 6 |
| | 9 | 3,838 | 30 | 3 | 0 | 2,593 | 63 | 646 | 497 | 5 |
| | 10 | 4,083 | 35 | 3 | 0 | 2,867 | 46 | 621 | 505 | 5 |
| | 11 | 4,108 | 38 | 3 | 0 | 2,890 | 38 | 646 | 486 | 7 |
| | 12 | 4,914 | 36 | 2 | 0 | 3,521 | 38 | 749 | 562 | 6 |
| 2022 ^p | 1 | 4,800 | 34 | - | 1 | 3,430 | 40 | 736 | 550 | 8 |
| | 2 | 4,334 | 28 | - | - | 2,980 | 36 | 700 | 585 | 5 |
| | 3 | 4,378 | 36 | - | - | 2,954 | 45 | 739 | 598 | 6 |
| | 4 | 4,310 | 36 | - | - | 2,851 | 44 | 723 | 650 | 6 |
| | 5 | 4,677 | 34 | - | - | 3,112 | 52 | 741 | 732 | 6 |
| | 6 | 4,537 | 33 | - | - | 3,137 | 60 | 714 | 587 | 6 |
| | 7 | 4,775 | 32 | - | - | 3,271 | 85 | 758 | 624 | 6 |
| | 8 | 5,031 | 29 | - | - | 3,474 | 148 | 752 | 622 | 7 |
| | 9 | 4,475 | 29 | - | 1 | 3,002 | 104 | 720 | 613 | 6 |
| | 10 | 4,488 | 30 | - | - | 3,063 | 54 | 700 | 636 | 5 |
| | 11 | 4,274 | 32 | - | - | 2,983 | 45 | 666 | 541 | 5 |
| | 12 | 4,595 | 32 | - | - | 3,244 | 42 | 715 | 555 | 7 |
| 2023 ^p | 1 | 4,734 | 26 | - | - | 3,335 | 44 | 737 | 586 | 8 |
| | 2 | 4,202 | 30 | - | - | 2,898 | 36 | 674 | 559 | 5 |
| | 3 | 4,727 | 31 | - | - | 3,237 | 39 | 785 | 628 | 6 |
| | 4 | 4,486 | 26 | - | - | 2,890 | 41 | 736 | 786 | 6 |
| | 5 | 4,603 | 26 | - | - | 3,080 | 63 | 712 | 716 | 6 |
| | 6 | 4,527 | 26 | - | - | 3,018 | 68 | 717 | 692 | 6 |
| 2022 ^p | 1-6 | 27,035 | 201 | - | 1 | 18,463 | 277 | 4,353 | 3,702 | 38 |
| 2023 ^p | 1-6 | 27,279 | 165 | - | - | 18,457 | 291 | 4,360 | 3,968 | 37 |

1. 무연탄

2. 동해-1 가스전 생산량(2021년 12월 31일 생산 종료)

3. 원유 및 정제원료

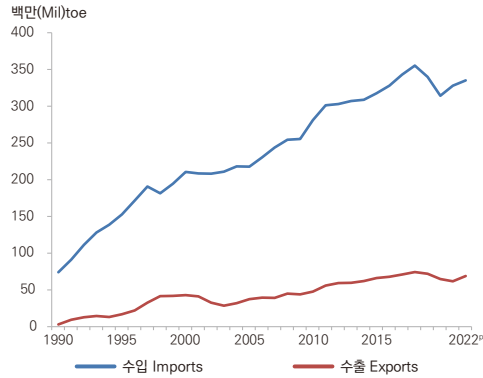
1. Anthracite

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

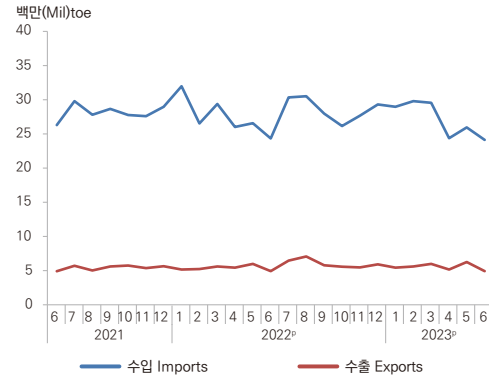
3. Crude oil and refinery feedstocks

● 에너지 수출입 Energy Imports and Exports

〈1990~2022^o〉

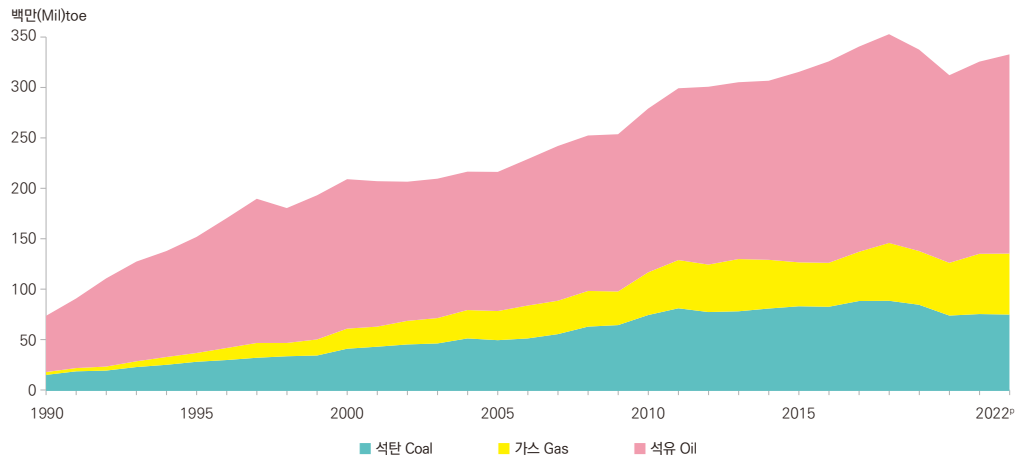


〈월별 Monthly〉

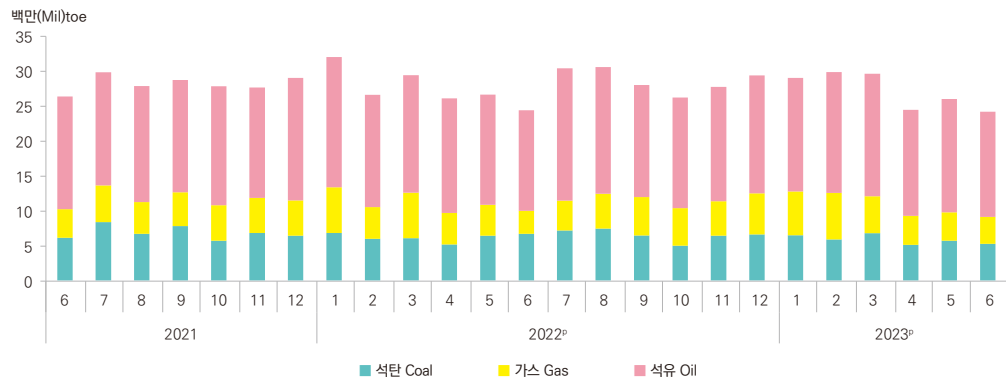


● 에너지원별 수입 Energy Imports by Source

〈1990~2022^o〉



〈월별 Monthly〉



1.3 에너지 수출입

Energy Imports and Exports

| | | 수입 Imports | | | | 수출 Exports | | | 순수입 Net imports (A-B) |
|-------------------|-----|----------------|------------|-------------------------------------|-------------------------------------|----------------|--------------------------------------|-------------------------------------|-----------------------------|
| | | 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 | | 152,794 | 28,942 | 8,782 | 115,069 | 17,784 | 4 | 17,780 | 135,010 |
| 2000 | | 210,191 | 41,943 | 19,811 | 148,438 | 43,507 | 3 | 43,504 | 166,684 |
| 2001 | | 208,280 | 43,822 | 19,913 | 144,545 | 41,898 | 1 | 41,898 | 166,381 |
| 2002 | | 207,799 | 46,058 | 23,390 | 138,350 | 33,547 | 1 | 33,546 | 174,252 |
| 2003 | | 210,798 | 47,109 | 25,101 | 138,589 | 29,227 | 1 | 29,225 | 181,572 |
| 2004 | | 217,781 | 51,995 | 28,316 | 137,470 | 32,641 | 7 | 32,633 | 185,140 |
| 2005 | | 217,485 | 50,266 | 29,013 | 138,206 | 38,089 | 12 | 38,077 | 179,396 |
| 2006 | | 230,063 | 52,053 | 32,832 | 145,177 | 40,263 | 9 | 40,254 | 189,800 |
| 2007 | | 243,215 | 56,340 | 33,240 | 153,636 | 40,064 | 9 | 40,055 | 203,151 |
| 2008 | | 253,725 | 63,723 | 35,436 | 154,566 | 45,589 | 26 | 45,563 | 208,136 |
| 2009 | | 254,840 | 65,216 | 33,568 | 156,056 | 44,631 | 4 | 44,627 | 210,209 |
| 2010 | | 280,301 | 75,340 | 42,384 | 162,577 | 48,576 | 8 | 48,567 | 231,726 |
| 2011 | | 300,431 | 82,125 | 47,690 | 170,617 | 56,549 | 41 | 56,508 | 243,882 |
| 2012 | | 302,068 | 78,261 | 47,184 | 176,623 | 59,863 | 20 | 59,843 | 242,204 |
| 2013 | | 306,376 | 78,923 | 51,998 | 175,455 | 60,319 | 40 | 60,280 | 246,057 |
| 2014 | | 307,856 | 81,782 | 48,388 | 177,686 | 62,805 | 28 | 62,777 | 245,050 |
| 2015 | | 316,750 | 84,123 | 43,509 | 189,118 | 66,737 | 12 | 66,726 | 250,013 |
| 2016 | | 327,086 | 83,621 | 43,623 | 199,842 | 68,510 | 1 | 68,510 | 258,576 |
| 2017 | | 341,836 | 89,227 | 49,023 | 203,586 | 71,508 | 86 | 71,422 | 270,328 |
| 2018 | | 354,196 | 89,484 | 57,484 | 207,227 | 74,878 | 47 | 74,831 | 279,318 |
| 2019 | | 338,899 | 85,586 | 53,217 | 200,097 | 72,526 | 12 | 72,514 | 266,374 |
| 2020 | | 313,504 | 74,875 | 52,217 | 186,412 | 65,399 | 110 | 65,288 | 248,106 |
| 2021 | | 326,861 | 76,172 | 59,987 | 190,702 | 62,376 | 217 | 62,159 | 264,486 |
| 2022 ^p | | 336,444 | 75,794 | 60,683 | 199,966 | 69,339 | 19 | 69,320 | 267,105 |
| 2021 | 6 | 26,277 | 6,090 | 4,089 | 16,098 | 4,978 | 19 | 4,959 | 21,299 |
| | 7 | 29,745 | 8,337 | 5,249 | 16,159 | 5,780 | 17 | 5,763 | 23,965 |
| | 8 | 27,779 | 6,661 | 4,541 | 16,577 | 5,106 | 16 | 5,090 | 22,672 |
| | 9 | 28,650 | 7,748 | 4,835 | 16,067 | 5,673 | 17 | 5,655 | 22,977 |
| | 10 | 27,744 | 5,663 | 5,089 | 16,992 | 5,812 | 10 | 5,802 | 21,932 |
| | 11 | 27,574 | 6,779 | 5,023 | 15,773 | 5,440 | 0 | 5,440 | 22,134 |
| | 12 | 28,946 | 6,383 | 5,035 | 17,528 | 5,717 | 0 | 5,717 | 23,230 |
| 2022 ^p | 1 | 31,934 | 6,782 | 6,539 | 18,613 | 5,220 | 19 | 5,201 | 26,713 |
| | 2 | 26,508 | 5,933 | 4,544 | 16,030 | 5,281 | 0 | 5,281 | 21,227 |
| | 3 | 29,336 | 6,044 | 6,478 | 16,814 | 5,659 | 0 | 5,659 | 23,677 |
| | 4 | 26,009 | 5,139 | 4,502 | 16,368 | 5,504 | 0 | 5,504 | 20,505 |
| | 5 | 26,539 | 6,380 | 4,427 | 15,733 | 6,033 | 0 | 6,033 | 20,507 |
| | 6 | 24,313 | 6,660 | 3,290 | 14,362 | 4,982 | 0 | 4,982 | 19,331 |
| | 7 | 30,310 | 7,136 | 4,252 | 18,922 | 6,536 | 0 | 6,536 | 23,773 |
| | 8 | 30,482 | 7,415 | 4,955 | 18,112 | 7,126 | 0 | 7,126 | 23,356 |
| | 9 | 27,938 | 6,405 | 5,516 | 16,017 | 5,857 | 0 | 5,857 | 22,081 |
| | 10 | 26,133 | 4,952 | 5,361 | 15,820 | 5,637 | 0 | 5,637 | 20,496 |
| | 11 | 27,656 | 6,391 | 4,927 | 16,338 | 5,534 | 0 | 5,534 | 22,122 |
| | 12 | 29,287 | 6,556 | 5,893 | 16,838 | 5,970 | 0 | 5,970 | 23,317 |
| 2023 ^p | 1 | 28,952 | 6,434 | 6,265 | 16,252 | 5,488 | 0 | 5,488 | 23,464 |
| | 2 | 29,759 | 5,851 | 6,655 | 17,253 | 5,657 | 0 | 5,657 | 24,102 |
| | 3 | 29,538 | 6,753 | 5,276 | 17,508 | 6,050 | 0 | 6,050 | 23,488 |
| | 4 | 24,372 | 5,089 | 4,121 | 15,162 | 5,223 | 0 | 5,223 | 19,149 |
| | 5 | 25,921 | 5,669 | 4,061 | 16,191 | 6,338 | 0 | 6,338 | 19,583 |
| | 6 | 24,114 | 5,226 | 3,833 | 15,056 | 5,000 | 0 | 5,000 | 19,114 |
| 2022 ^p | 1-6 | 164,639 | 36,940 | 29,780 | 97,920 | 32,679 | 19 | 32,660 | 131,960 |
| 2023 ^p | 1-6 | 162,656 | 35,022 | 30,211 | 97,423 | 33,756 | 0 | 33,756 | 128,900 |

1. 천연가스

2. 원유 및 정제원료, 석유제품

3. 코크스 등 석탄 및 석탄제품

자료: 한국무역협회, 한국석유공사-PEDSIS

1. Natural gas

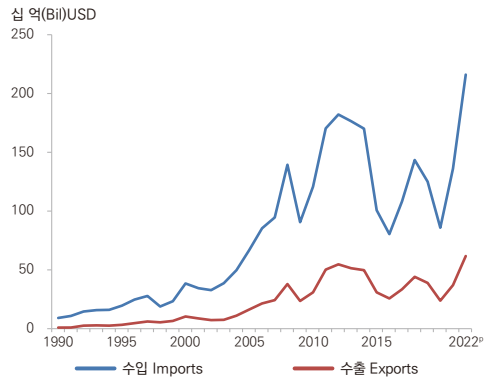
2. Crude oil, refinery feedstocks and petroleum products

3. Coal and coal products including coke oven coke

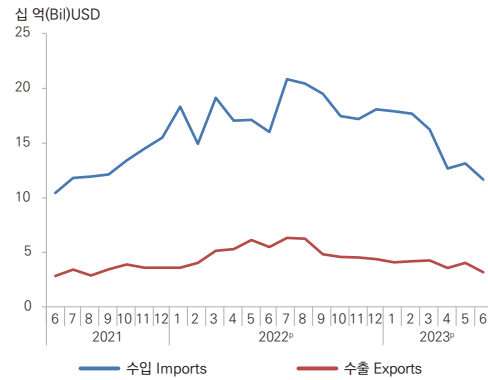
Source: Korea International Trade Association, Korea National Oil Corporation-PEDSIS

● 에너지 수출입액 Energy Import and Export Values

〈1990~2022^p〉

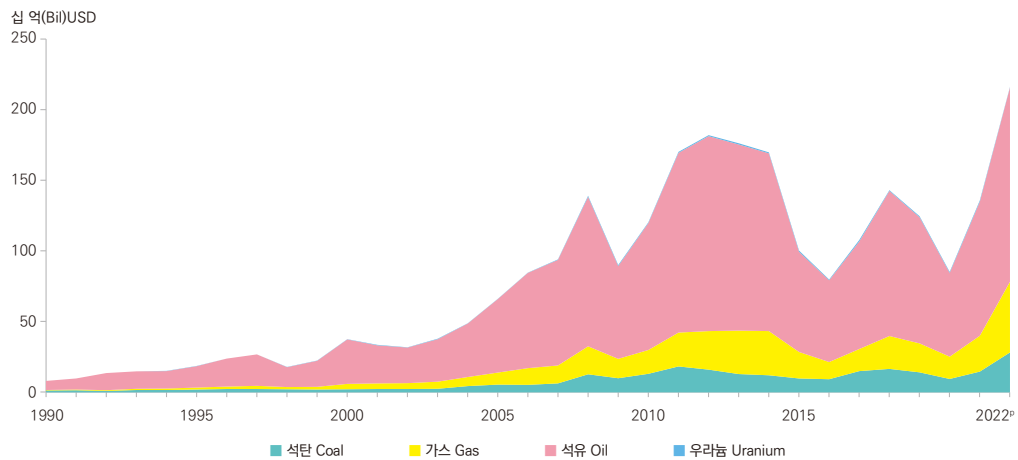


〈월별 Monthly〉

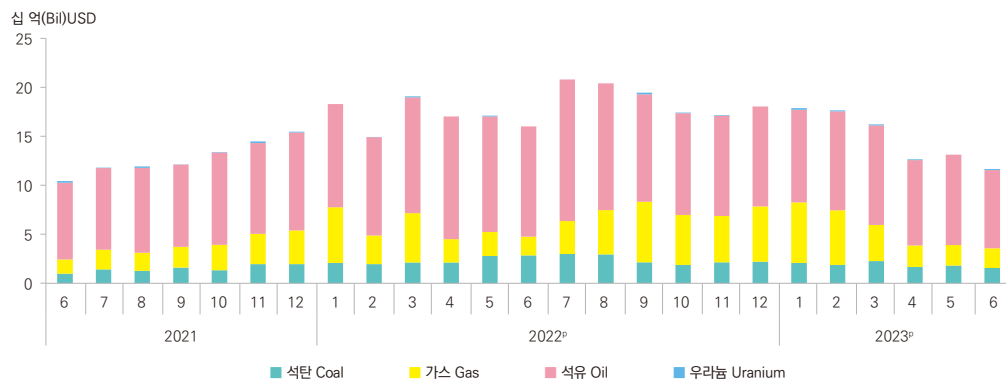


● 에너지원별 수입액 Import Values by Energy Source

〈1990~2022^p〉



〈월별 Monthly〉



1.4 에너지 수출입액

Energy Trade Value

| | | 수입 Imports | | | | | 수출 Exports | | | 수입액 비중 |
|-------------------|-----|---------------|------------|-------------------------------------|-------------------------------------|----------------|---------------|--------------------------------------|-------------------------------------|----------------------|
| | | 합계 Total | 석탄 Coal | 가스 ¹ Gas ¹ | 석유 ² Oil ² | 우라늄 Uranium | 합계 Total | 석탄 ³ Coal ³ | 석유 ² Oil ² | Energy/Total imports |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Mil USD | | | | | | | | | % | |
| 1990 | | 8,209 | 1,288 | 460 | 6,462 | - | 1 | 1 | - | 12 |
| 1995 | | 18,670 | 2,108 | 1,275 | 15,265 | 22 | 2,314 | 1 | 2,313 | 14 |
| 2000 | | 37,622 | 2,186 | 3,882 | 31,416 | 138 | 9,381 | 0 | 9,381 | 23 |
| 2001 | | 33,652 | 2,347 | 3,990 | 27,097 | 218 | 7,784 | 0 | 7,783 | 24 |
| 2002 | | 31,997 | 2,475 | 4,120 | 25,140 | 262 | 6,455 | 0 | 6,454 | 21 |
| 2003 | | 37,982 | 2,552 | 5,082 | 30,104 | 243 | 6,654 | 0 | 6,653 | 21 |
| 2004 | | 49,075 | 4,438 | 6,552 | 37,770 | 315 | 10,175 | 2 | 10,173 | 22 |
| 2005 | | 66,238 | 5,443 | 8,646 | 51,883 | 265 | 15,366 | 2 | 15,364 | 25 |
| 2006 | | 84,905 | 5,318 | 11,925 | 67,352 | 311 | 20,603 | 1 | 20,602 | 27 |
| 2007 | | 94,306 | 6,445 | 12,653 | 74,762 | 446 | 23,482 | 1 | 23,481 | 26 |
| 2008 | | 139,288 | 12,800 | 19,806 | 106,015 | 667 | 37,184 | 8 | 37,177 | 32 |
| 2009 | | 90,259 | 9,995 | 13,875 | 65,706 | 684 | 22,721 | 1 | 22,720 | 28 |
| 2010 | | 120,478 | 13,131 | 17,006 | 89,777 | 564 | 30,196 | 2 | 30,194 | 28 |
| 2011 | | 170,497 | 18,477 | 23,859 | 127,413 | 748 | 49,608 | 24 | 49,584 | 33 |
| 2012 | | 182,252 | 16,069 | 27,364 | 138,183 | 635 | 54,045 | 6 | 54,039 | 35 |
| 2013 | | 176,561 | 13,074 | 30,645 | 131,866 | 976 | 50,758 | 16 | 50,742 | 34 |
| 2014 | | 170,117 | 12,114 | 31,403 | 125,912 | 688 | 49,102 | 10 | 49,091 | 32 |
| 2015 | | 100,440 | 9,961 | 18,779 | 70,883 | 817 | 30,206 | 4 | 30,201 | 23 |
| 2016 | | 79,953 | 9,310 | 12,170 | 57,937 | 536 | 24,807 | 1 | 24,806 | 20 |
| 2017 | | 107,921 | 15,179 | 15,616 | 76,185 | 941 | 32,676 | 23 | 32,654 | 23 |
| 2018 | | 143,285 | 16,703 | 23,189 | 102,856 | 538 | 43,367 | 21 | 43,346 | 27 |
| 2019 | | 124,777 | 14,209 | 20,567 | 89,295 | 707 | 38,271 | 4 | 38,267 | 25 |
| 2020 | | 85,444 | 9,596 | 15,716 | 59,406 | 725 | 22,958 | 35 | 22,922 | 18 |
| 2021 | | 135,935 | 14,699 | 25,453 | 95,039 | 744 | 36,212 | 124 | 36,088 | 22 |
| 2022 ^p | | 216,402 | 28,326 | 50,022 | 137,603 | 451 | 61,172 | 15 | 61,158 | 30 |
| | | | | | | | | | | |
| 2021 | 6 | 10,473 | 991 | 1,443 | 7,874 | 165 | 2,899 | 12 | 2,887 | 21 |
| | 7 | 11,839 | 1,431 | 2,002 | 8,356 | 50 | 3,468 | 10 | 3,458 | 22 |
| | 8 | 11,966 | 1,274 | 1,860 | 8,689 | 143 | 2,929 | 4 | 2,925 | 23 |
| | 9 | 12,161 | 1,616 | 2,114 | 8,430 | 1 | 3,514 | 10 | 3,503 | 24 |
| | 10 | 13,441 | 1,338 | 2,606 | 9,465 | 32 | 3,947 | 6 | 3,941 | 25 |
| | 11 | 14,519 | 1,965 | 3,098 | 9,303 | 153 | 3,660 | 0 | 3,660 | 25 |
| | 12 | 15,519 | 1,967 | 3,441 | 10,026 | 84 | 3,661 | 0 | 3,661 | 25 |
| | | | | | | | | | | |
| 2022 ^p | 1 | 18,359 | 2,089 | 5,690 | 10,581 | - | 3,647 | 14 | 3,633 | 30 |
| | 2 | 14,959 | 1,970 | 2,932 | 10,057 | 0 | 4,098 | 0 | 4,098 | 28 |
| | 3 | 19,148 | 2,138 | 5,035 | 11,870 | 106 | 5,188 | 0 | 5,188 | 30 |
| | 4 | 17,073 | 2,132 | 2,392 | 12,549 | - | 5,342 | 0 | 5,341 | 28 |
| | 5 | 17,157 | 2,794 | 2,448 | 11,846 | 69 | 6,174 | 0 | 6,174 | 27 |
| | 6 | 16,052 | 2,863 | 1,917 | 11,273 | - | 5,550 | 0 | 5,550 | 27 |
| | 7 | 20,859 | 3,005 | 3,357 | 14,498 | - | 6,370 | 0 | 6,370 | 32 |
| | 8 | 20,464 | 2,959 | 4,541 | 12,964 | - | 6,294 | 0 | 6,294 | 31 |
| | 9 | 19,516 | 2,147 | 6,201 | 11,000 | 168 | 4,875 | 0 | 4,875 | 32 |
| | 10 | 17,478 | 1,875 | 5,112 | 10,436 | 55 | 4,628 | 0 | 4,628 | 30 |
| | 11 | 17,228 | 2,142 | 4,743 | 10,290 | 54 | 4,572 | 0 | 4,572 | 29 |
| | 12 | 18,109 | 2,212 | 5,656 | 10,241 | - | 4,434 | 0 | 4,434 | 30 |
| | | | | | | | | | | |
| 2023 ^p | 1 | 17,933 | 2,087 | 6,206 | 9,481 | 159 | 4,150 | 0 | 4,150 | 30 |
| | 2 | 17,706 | 1,872 | 5,611 | 10,115 | 108 | 4,229 | 0 | 4,229 | 32 |
| | 3 | 16,263 | 2,271 | 3,705 | 10,193 | 94 | 4,325 | 0 | 4,325 | 27 |
| | 4 | 12,699 | 1,678 | 2,202 | 8,727 | 92 | 3,637 | 0 | 3,637 | 24 |
| | 5 | 13,175 | 1,813 | 2,109 | 9,253 | - | 4,093 | 0 | 4,093 | 24 |
| | 6 | 11,700 | 1,565 | 2,015 | 8,005 | 114 | 3,235 | 0 | 3,235 | 22 |
| | | | | | | | | | | |
| 2022 ^p | 1-6 | 102,749 | 13,986 | 20,413 | 68,175 | 175 | 29,999 | 14 | 29,985 | 28 |
| 2023 ^p | 1-6 | 89,475 | 11,284 | 21,848 | 55,775 | 567 | 23,669 | 0 | 23,669 | 27 |

1. 천연가스

2. 원유 및 정제원료, 석유제품

3. 코크스 등 석탄 및 석탄제품

자료: 한국무역협회, 한국석유공사-PEDSIS

1. Natural gas

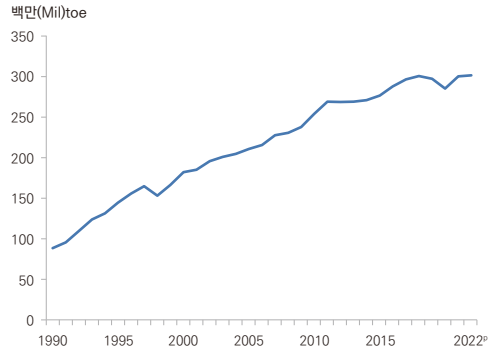
2. Crude oil, refinery feedstocks and petroleum products

3. Coal and coal products including coke oven coke

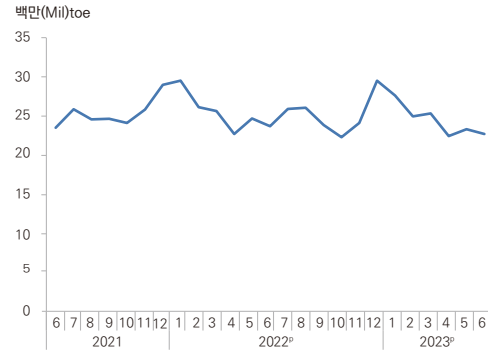
Source: Korea International Trade Association, Korea National Oil Corporation-PEDSIS

● 일차에너지 공급 Total Primary Energy Supply

〈1990~2022^o〉

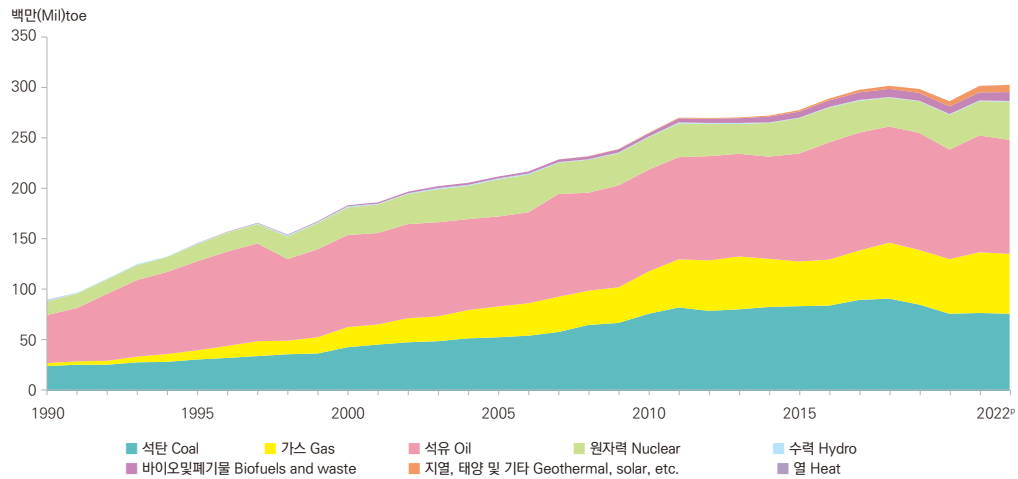


〈월별 Monthly〉

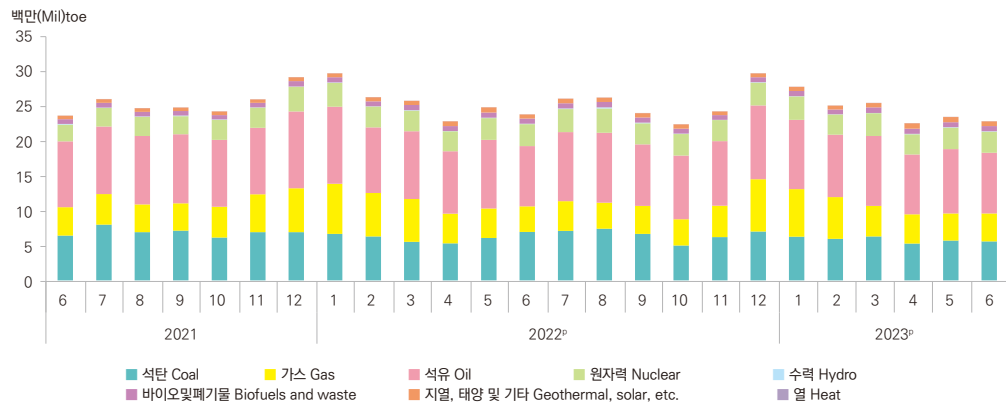


● 에너지원별 일차에너지 공급 Total Primary Energy Supply by Source

〈1990~2022^o〉



〈월별 Monthly〉



1.5 일차에너지공급

Total Primary Energy Supply

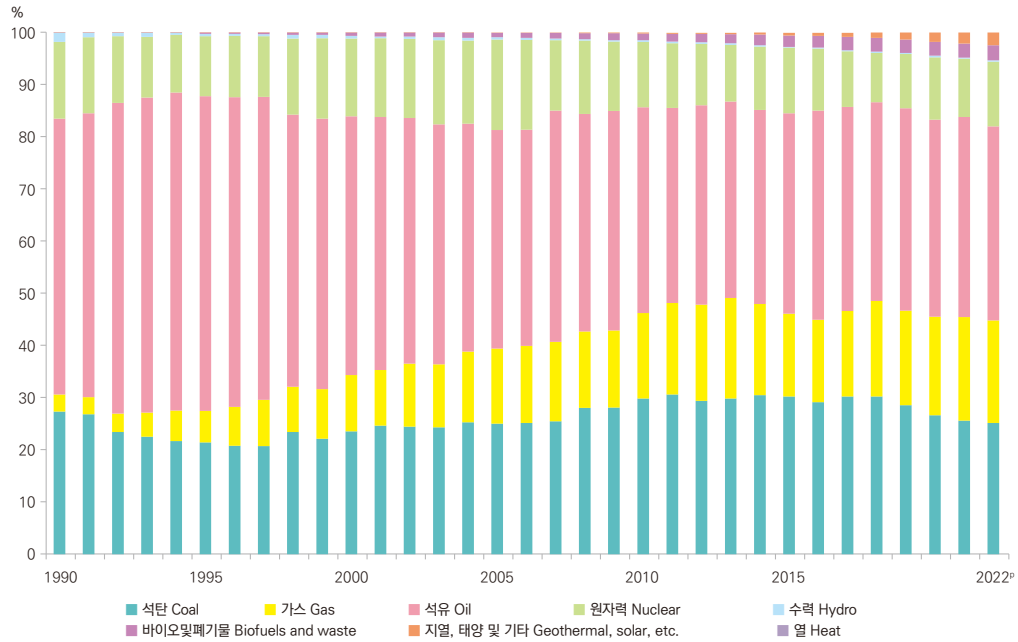
| | | 합계 Total | 석탄 Coal | 가스 Gas | 석유 Oil | 원자력 Nuclear | 수력 Hydro | 바이오및폐기물 Biofuels and waste | 지열,태양및기타 Geothermal, solar, etc. | 열 ¹ Heat ¹ |
|-------------------|-----|-------------|------------|-----------|-----------|----------------|-------------|----------------------------------|--|-------------------------------------|
| | | 1,000 toe | | | | | | | | |
| 1990 | | 89,680 | 24,523 | 2,958 | 47,387 | 13,222 | 1,571 | 6 | 10 | 3 |
| 1995 | | 145,618 | 31,173 | 8,852 | 87,804 | 16,757 | 690 | 315 | 23 | 3 |
| 2000 | | 183,078 | 43,143 | 19,743 | 90,804 | 27,241 | 1,002 | 1,088 | 47 | 10 |
| 2001 | | 185,809 | 45,838 | 19,722 | 90,213 | 28,033 | 582 | 1,366 | 42 | 13 |
| 2002 | | 196,452 | 47,987 | 23,797 | 92,515 | 29,776 | 808 | 1,516 | 40 | 14 |
| 2003 | | 201,738 | 49,135 | 24,272 | 92,871 | 32,418 | 1,226 | 1,754 | 41 | 20 |
| 2004 | | 205,220 | 51,886 | 27,827 | 89,676 | 32,679 | 1,082 | 1,999 | 52 | 19 |
| 2005 | | 211,344 | 52,975 | 30,367 | 88,431 | 36,695 | 919 | 1,873 | 73 | 12 |
| 2006 | | 216,261 | 54,361 | 32,024 | 89,590 | 37,187 | 867 | 2,108 | 107 | 17 |
| 2007 | | 228,129 | 58,149 | 34,665 | 101,219 | 30,731 | 781 | 2,433 | 137 | 14 |
| 2008 | | 231,298 | 64,925 | 33,792 | 96,511 | 32,456 | 660 | 2,718 | 199 | 38 |
| 2009 | | 238,416 | 67,094 | 35,138 | 100,303 | 31,771 | 616 | 3,104 | 343 | 49 |
| 2010 | | 254,399 | 76,008 | 41,681 | 100,177 | 31,948 | 797 | 3,274 | 499 | 16 |
| 2011 | | 269,199 | 82,386 | 47,318 | 100,622 | 33,265 | 989 | 3,881 | 602 | 135 |
| 2012 | | 268,993 | 79,059 | 49,554 | 102,833 | 31,719 | 838 | 4,245 | 622 | 124 |
| 2013 | | 269,531 | 80,538 | 51,943 | 101,306 | 29,283 | 906 | 4,631 | 811 | 113 |
| 2014 | | 271,252 | 82,764 | 47,409 | 100,792 | 33,002 | 581 | 5,585 | 1,051 | 68 |
| 2015 | | 276,793 | 83,650 | 43,958 | 106,386 | 34,765 | 454 | 6,011 | 1,444 | 125 |
| 2016 | | 288,018 | 83,989 | 45,524 | 115,343 | 34,181 | 603 | 6,447 | 1,814 | 117 |
| 2017 | | 296,719 | 89,786 | 48,564 | 116,067 | 31,615 | 601 | 7,532 | 2,426 | 127 |
| 2018 | | 300,738 | 90,965 | 55,090 | 114,450 | 28,437 | 719 | 7,985 | 3,024 | 68 |
| 2019 | | 297,612 | 85,048 | 53,875 | 115,408 | 31,079 | 594 | 7,601 | 3,940 | 66 |
| 2020 | | 285,512 | 75,983 | 53,915 | 107,970 | 34,119 | 826 | 7,479 | 5,146 | 73 |
| 2021 | | 300,515 | 76,968 | 59,594 | 115,204 | 33,657 | 651 | 8,052 | 6,320 | 68 |
| 2022 ^p | | 303,985 | 75,869 | 59,155 | 114,675 | 37,500 | 755 | 8,665 | 7,292 | 75 |
| 2021 | 6 | 23,496 | 6,387 | 4,051 | 9,386 | 2,410 | 83 | 673 | 501 | 5 |
| | 7 | 25,847 | 7,942 | 4,357 | 9,655 | 2,621 | 78 | 663 | 526 | 6 |
| | 8 | 24,560 | 6,866 | 3,969 | 9,765 | 2,722 | 61 | 661 | 510 | 6 |
| | 9 | 24,642 | 7,096 | 3,909 | 9,834 | 2,593 | 63 | 645 | 497 | 5 |
| | 10 | 24,085 | 6,119 | 4,366 | 9,554 | 2,867 | 46 | 622 | 505 | 5 |
| | 11 | 25,815 | 6,873 | 5,412 | 9,466 | 2,890 | 38 | 644 | 486 | 7 |
| | 12 | 28,984 | 6,886 | 6,263 | 10,955 | 3,521 | 38 | 752 | 562 | 6 |
| 2022 ^p | 1 | 29,524 | 6,639 | 7,155 | 10,966 | 3,430 | 40 | 736 | 550 | 8 |
| | 2 | 26,119 | 6,259 | 6,208 | 9,347 | 2,980 | 36 | 699 | 585 | 5 |
| | 3 | 25,610 | 5,494 | 6,103 | 9,673 | 2,954 | 45 | 737 | 598 | 6 |
| | 4 | 22,677 | 5,276 | 4,241 | 8,892 | 2,851 | 44 | 717 | 650 | 6 |
| | 5 | 24,687 | 6,058 | 4,206 | 9,777 | 3,112 | 52 | 745 | 732 | 6 |
| | 6 | 23,661 | 6,911 | 3,649 | 8,597 | 3,137 | 60 | 715 | 587 | 6 |
| | 7 | 25,898 | 7,057 | 4,240 | 9,861 | 3,271 | 85 | 754 | 624 | 6 |
| | 8 | 26,063 | 7,377 | 3,704 | 9,977 | 3,474 | 148 | 755 | 622 | 7 |
| | 9 | 23,840 | 6,640 | 3,984 | 8,771 | 3,002 | 104 | 719 | 613 | 6 |
| | 10 | 22,264 | 4,989 | 3,745 | 9,070 | 3,063 | 54 | 703 | 636 | 5 |
| | 11 | 24,107 | 6,188 | 4,458 | 9,222 | 2,983 | 45 | 664 | 541 | 5 |
| | 12 | 29,532 | 6,981 | 7,461 | 10,524 | 3,244 | 42 | 719 | 555 | 7 |
| 2023 ^p | 1 | 27,608 | 6,221 | 6,808 | 9,872 | 3,335 | 44 | 735 | 586 | 8 |
| | 2 | 24,940 | 5,929 | 5,952 | 8,887 | 2,898 | 36 | 673 | 559 | 5 |
| | 3 | 25,306 | 6,272 | 4,362 | 9,976 | 3,237 | 39 | 785 | 628 | 6 |
| | 4 | 22,416 | 5,241 | 4,193 | 8,522 | 2,890 | 41 | 736 | 786 | 6 |
| | 5 | 23,294 | 5,668 | 3,881 | 9,170 | 3,080 | 63 | 710 | 716 | 6 |
| | 6 | 22,692 | 5,574 | 3,982 | 8,634 | 3,018 | 68 | 718 | 692 | 6 |
| 2022 ^p | 1-6 | 152,279 | 36,636 | 31,562 | 57,251 | 18,463 | 277 | 4,350 | 3,702 | 38 |
| 2023 ^p | 1-6 | 146,257 | 34,905 | 29,179 | 55,062 | 18,457 | 291 | 4,357 | 3,968 | 37 |

1. 지역난방이 아닌 상용자가업체 열생산량을 의미

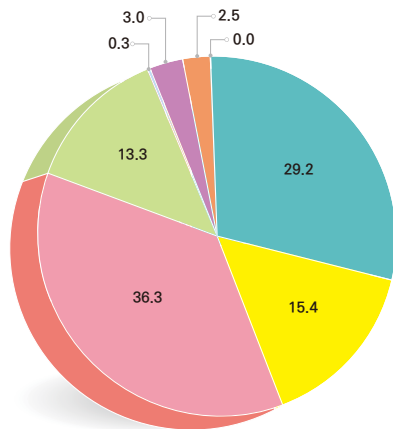
1. Heat production by autoproducer plants

● 일차에너지공급 원별 구성비 Shares of Energy Source in Total Primary Energy Supply (%)

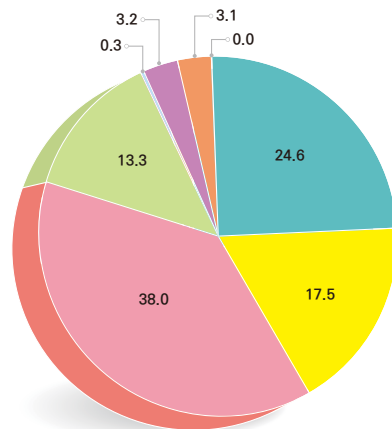
〈1990~2022^p〉



● 2022년 6월 June 2022^p(%)



● 2023년 6월 June 2023^p(%)



1.6 일차에너지공급 원별 구성비

Shares of Energy Source in Total Primary Energy Supply

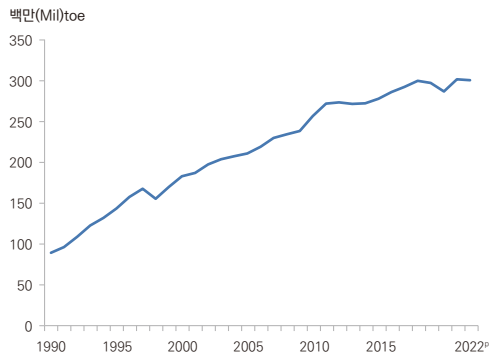
| | | 합계 | 석탄 | 가스 | 석유 | 원자력 | 수력 | 바이오및폐기물 | 지열,태양및기타 | 열 ¹ |
|-------------------|-----|-------|------|------|------|---------|-------|--------------------|-------------------------|-------------------|
| | | Total | Coal | Gas | Oil | Nuclear | Hydro | Biofuels and waste | Geothermal, solar, etc. | Heat ¹ |
| | | % | | | | | | | | |
| 1990 | | 100.0 | 27.3 | 3.3 | 52.8 | 14.7 | 1.8 | 0.0 | 0.0 | 0.0 |
| 1995 | | 100.0 | 21.4 | 6.1 | 60.3 | 11.5 | 0.5 | 0.2 | 0.0 | 0.0 |
| 2000 | | 100.0 | 23.6 | 10.8 | 49.6 | 14.9 | 0.5 | 0.6 | 0.0 | 0.0 |
| 2001 | | 100.0 | 24.7 | 10.6 | 48.6 | 15.1 | 0.3 | 0.7 | 0.0 | 0.0 |
| 2002 | | 100.0 | 24.4 | 12.1 | 47.1 | 15.2 | 0.4 | 0.8 | 0.0 | 0.0 |
| 2003 | | 100.0 | 24.4 | 12.0 | 46.0 | 16.1 | 0.6 | 0.9 | 0.0 | 0.0 |
| 2004 | | 100.0 | 25.3 | 13.6 | 43.7 | 15.9 | 0.5 | 1.0 | 0.0 | 0.0 |
| 2005 | | 100.0 | 25.1 | 14.4 | 41.8 | 17.4 | 0.4 | 0.9 | 0.0 | 0.0 |
| 2006 | | 100.0 | 25.1 | 14.8 | 41.4 | 17.2 | 0.4 | 1.0 | 0.0 | 0.0 |
| 2007 | | 100.0 | 25.5 | 15.2 | 44.4 | 13.5 | 0.3 | 1.1 | 0.1 | 0.0 |
| 2008 | | 100.0 | 28.1 | 14.6 | 41.7 | 14.0 | 0.3 | 1.2 | 0.1 | 0.0 |
| 2009 | | 100.0 | 28.1 | 14.7 | 42.1 | 13.3 | 0.3 | 1.3 | 0.1 | 0.0 |
| 2010 | | 100.0 | 29.9 | 16.4 | 39.4 | 12.6 | 0.3 | 1.3 | 0.2 | 0.0 |
| 2011 | | 100.0 | 30.6 | 17.6 | 37.4 | 12.4 | 0.4 | 1.4 | 0.2 | 0.1 |
| 2012 | | 100.0 | 29.4 | 18.4 | 38.2 | 11.8 | 0.3 | 1.6 | 0.2 | 0.0 |
| 2013 | | 100.0 | 29.9 | 19.3 | 37.6 | 10.9 | 0.3 | 1.7 | 0.3 | 0.0 |
| 2014 | | 100.0 | 30.5 | 17.5 | 37.2 | 12.2 | 0.2 | 2.1 | 0.4 | 0.0 |
| 2015 | | 100.0 | 30.2 | 15.9 | 38.4 | 12.6 | 0.2 | 2.2 | 0.5 | 0.0 |
| 2016 | | 100.0 | 29.2 | 15.8 | 40.0 | 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 | 30.2 | 18.3 | 38.1 | 9.5 | 0.2 | 2.7 | 1.0 | 0.0 |
| 2019 | | 100.0 | 28.6 | 18.1 | 38.8 | 10.4 | 0.2 | 2.6 | 1.3 | 0.0 |
| 2020 | | 100.0 | 26.6 | 18.9 | 37.8 | 12.0 | 0.3 | 2.6 | 1.8 | 0.0 |
| 2021 | | 100.0 | 25.6 | 19.8 | 38.3 | 11.2 | 0.2 | 2.7 | 2.1 | 0.0 |
| 2022 ^p | | 100.0 | 25.0 | 19.5 | 37.7 | 12.3 | 0.2 | 2.9 | 2.4 | 0.0 |
| 2021 | 6 | 100.0 | 27.2 | 17.2 | 39.9 | 10.3 | 0.4 | 2.9 | 2.1 | 0.0 |
| | 7 | 100.0 | 30.7 | 16.9 | 37.4 | 10.1 | 0.3 | 2.6 | 2.0 | 0.0 |
| | 8 | 100.0 | 28.0 | 16.2 | 39.8 | 11.1 | 0.3 | 2.7 | 2.1 | 0.0 |
| | 9 | 100.0 | 28.8 | 15.9 | 39.9 | 10.5 | 0.3 | 2.6 | 2.0 | 0.0 |
| | 10 | 100.0 | 25.4 | 18.1 | 39.7 | 11.9 | 0.2 | 2.6 | 2.1 | 0.0 |
| | 11 | 100.0 | 26.6 | 21.0 | 36.7 | 11.2 | 0.1 | 2.5 | 1.9 | 0.0 |
| | 12 | 100.0 | 23.8 | 21.6 | 37.8 | 12.1 | 0.1 | 2.6 | 1.9 | 0.0 |
| 2022 ^p | 1 | 100.0 | 22.5 | 24.2 | 37.1 | 11.6 | 0.1 | 2.5 | 1.9 | 0.0 |
| | 2 | 100.0 | 24.0 | 23.8 | 35.8 | 11.4 | 0.1 | 2.7 | 2.2 | 0.0 |
| | 3 | 100.0 | 21.5 | 23.8 | 37.8 | 11.5 | 0.2 | 2.9 | 2.3 | 0.0 |
| | 4 | 100.0 | 23.3 | 18.7 | 39.2 | 12.6 | 0.2 | 3.2 | 2.9 | 0.0 |
| | 5 | 100.0 | 24.5 | 17.0 | 39.6 | 12.6 | 0.2 | 3.0 | 3.0 | 0.0 |
| | 6 | 100.0 | 29.2 | 15.4 | 36.3 | 13.3 | 0.3 | 3.0 | 2.5 | 0.0 |
| | 7 | 100.0 | 27.3 | 16.4 | 38.1 | 12.6 | 0.3 | 2.9 | 2.4 | 0.0 |
| | 8 | 100.0 | 28.3 | 14.2 | 38.3 | 13.3 | 0.6 | 2.9 | 2.4 | 0.0 |
| | 9 | 100.0 | 27.9 | 16.7 | 36.8 | 12.6 | 0.4 | 3.0 | 2.6 | 0.0 |
| | 10 | 100.0 | 22.4 | 16.8 | 40.7 | 13.8 | 0.2 | 3.2 | 2.9 | 0.0 |
| | 11 | 100.0 | 25.7 | 18.5 | 38.3 | 12.4 | 0.2 | 2.8 | 2.2 | 0.0 |
| | 12 | 100.0 | 23.6 | 25.3 | 35.6 | 11.0 | 0.1 | 2.4 | 1.9 | 0.0 |
| 2023 ^p | 1 | 100.0 | 22.5 | 24.7 | 35.8 | 12.1 | 0.2 | 2.7 | 2.1 | 0.0 |
| | 2 | 100.0 | 23.8 | 23.9 | 35.6 | 11.6 | 0.1 | 2.7 | 2.2 | 0.0 |
| | 3 | 100.0 | 24.8 | 17.2 | 39.4 | 12.8 | 0.2 | 3.1 | 2.5 | 0.0 |
| | 4 | 100.0 | 23.4 | 18.7 | 38.0 | 12.9 | 0.2 | 3.3 | 3.5 | 0.0 |
| | 5 | 100.0 | 24.3 | 16.7 | 39.4 | 13.2 | 0.3 | 3.0 | 3.1 | 0.0 |
| | 6 | 100.0 | 24.6 | 17.5 | 38.0 | 13.3 | 0.3 | 3.2 | 3.1 | 0.0 |
| 2022 ^p | 1-6 | 100.0 | 24.1 | 20.7 | 37.6 | 12.1 | 0.2 | 2.9 | 2.4 | 0.0 |
| 2023 ^p | 1-6 | 100.0 | 23.9 | 20.0 | 37.6 | 12.6 | 0.2 | 3.0 | 2.7 | 0.0 |

1. 상용자가업체 열생산량을 의미

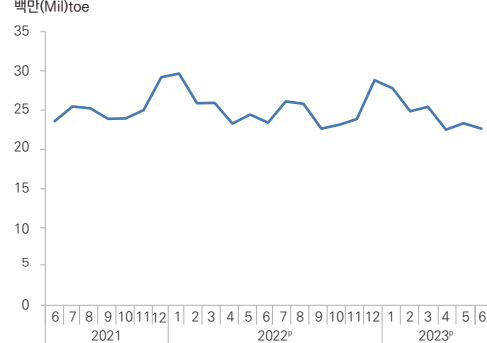
1. Heat production by autoproducer plants

● 일차에너지소비 Total Primary Energy Consumption

〈1990~2022^o〉

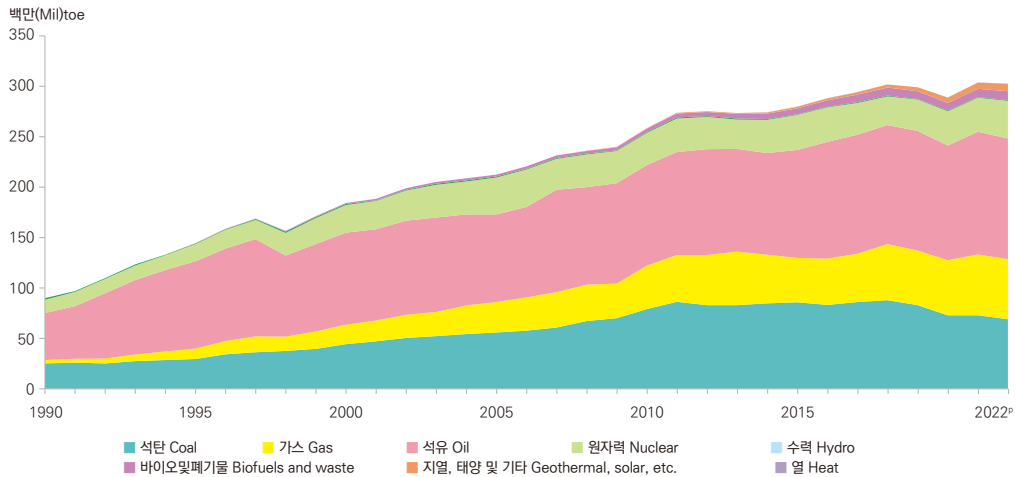


〈월별 Monthly〉

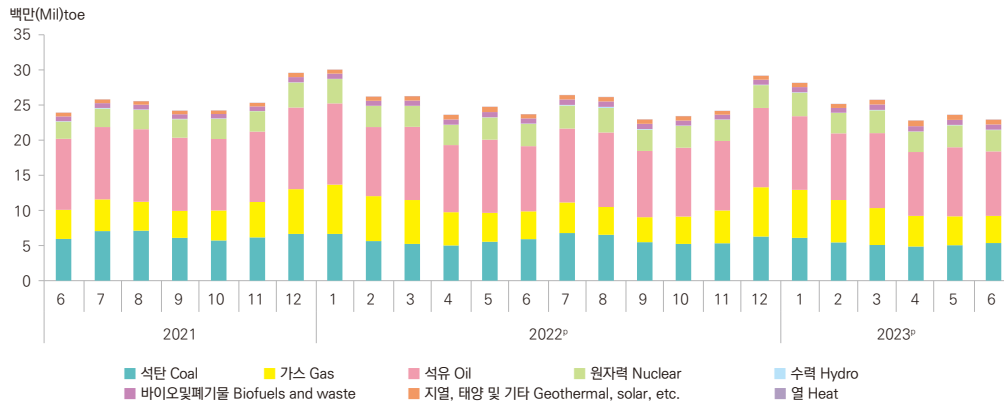


● 에너지원별 일차에너지소비 Total Primary Energy Consumption by Source

〈1990~2022^o〉



〈월별 Monthly〉



1.7 일차에너지소비

Total Primary Energy Consumption

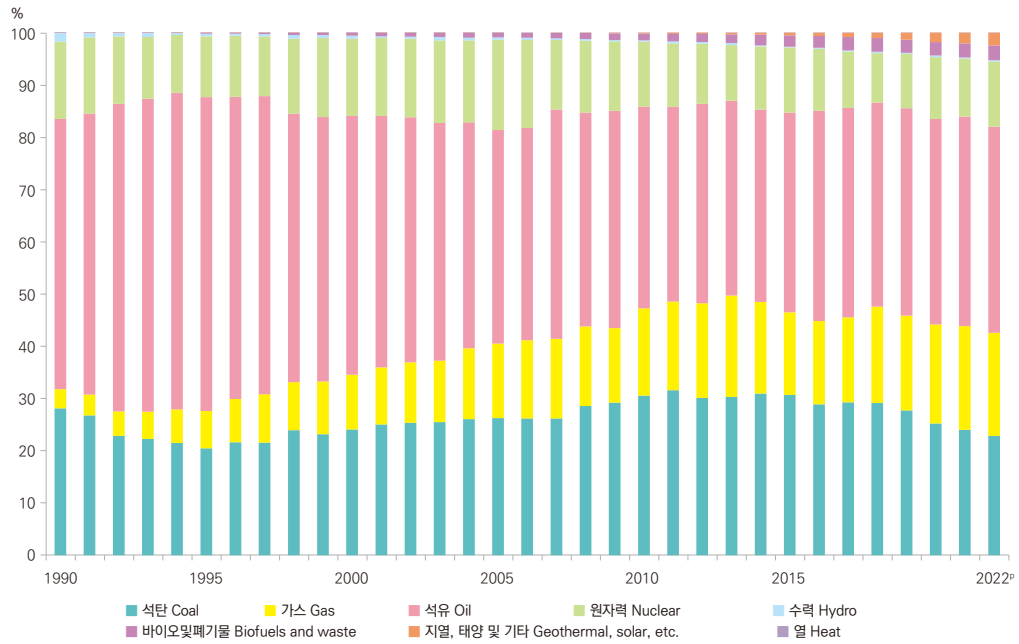
| | | 합계 Total | 석탄 Coal | 가스 Gas | 석유 Oil | 원자력 Nuclear | 수력 Hydro | 바이오및폐기물 Biofuels and waste | 지열,태양및기타 Geothermal, solar, etc. | 열 ¹ Heat ¹ |
|-------------------|-----|-------------|------------|-----------|-----------|----------------|-------------|----------------------------------|--|-------------------------------------|
| | | 1,000 toe | | | | | | | | |
| 1990 | | 89,775 | 25,217 | 3,280 | 46,466 | 13,222 | 1,571 | 6 | 10 | 3 |
| 1995 | | 144,201 | 29,513 | 10,236 | 86,664 | 16,757 | 690 | 315 | 23 | 3 |
| 2000 | | 183,950 | 44,204 | 19,322 | 91,036 | 27,241 | 1,002 | 1,088 | 47 | 10 |
| 2001 | | 188,021 | 47,045 | 20,482 | 90,458 | 28,033 | 582 | 1,366 | 42 | 13 |
| 2002 | | 198,596 | 50,388 | 22,947 | 93,107 | 29,776 | 808 | 1,516 | 40 | 14 |
| 2003 | | 204,898 | 52,187 | 24,055 | 93,197 | 32,418 | 1,226 | 1,754 | 41 | 20 |
| 2004 | | 208,533 | 54,318 | 28,224 | 90,160 | 32,679 | 1,082 | 1,999 | 52 | 19 |
| 2005 | | 212,129 | 55,669 | 30,194 | 86,695 | 36,695 | 919 | 1,873 | 73 | 12 |
| 2006 | | 220,287 | 57,636 | 33,026 | 89,340 | 37,187 | 867 | 2,108 | 107 | 17 |
| 2007 | | 231,105 | 60,558 | 35,142 | 101,311 | 30,731 | 781 | 2,430 | 137 | 14 |
| 2008 | | 235,702 | 67,232 | 35,944 | 96,455 | 32,456 | 660 | 2,718 | 199 | 38 |
| 2009 | | 239,526 | 69,855 | 34,205 | 99,585 | 31,771 | 616 | 3,103 | 343 | 49 |
| 2010 | | 258,112 | 78,901 | 43,055 | 99,622 | 31,948 | 797 | 3,274 | 499 | 16 |
| 2011 | | 273,296 | 86,283 | 46,261 | 101,879 | 33,265 | 989 | 3,881 | 602 | 135 |
| 2012 | | 274,889 | 82,745 | 49,819 | 104,778 | 31,719 | 838 | 4,245 | 622 | 124 |
| 2013 | | 273,137 | 82,720 | 53,059 | 101,612 | 29,283 | 906 | 4,631 | 811 | 113 |
| 2014 | | 273,712 | 84,654 | 48,009 | 100,763 | 33,002 | 581 | 5,585 | 1,051 | 68 |
| 2015 | | 279,328 | 85,616 | 44,145 | 106,768 | 34,765 | 454 | 6,011 | 1,444 | 125 |
| 2016 | | 287,561 | 82,998 | 45,834 | 115,567 | 34,181 | 603 | 6,447 | 1,814 | 117 |
| 2017 | | 293,820 | 85,952 | 47,717 | 117,863 | 31,615 | 601 | 7,518 | 2,426 | 127 |
| 2018 | | 301,324 | 87,795 | 55,468 | 117,828 | 28,437 | 719 | 7,985 | 3,024 | 68 |
| 2019 | | 298,618 | 82,825 | 54,039 | 118,473 | 31,079 | 594 | 7,601 | 3,940 | 66 |
| 2020 | | 288,410 | 72,786 | 54,578 | 113,403 | 34,119 | 826 | 7,477 | 5,146 | 73 |
| 2021 | | 303,183 | 72,808 | 60,106 | 121,523 | 33,657 | 651 | 8,051 | 6,320 | 68 |
| 2022 ^p | | 304,499 | 69,080 | 59,457 | 121,677 | 37,500 | 755 | 8,664 | 7,292 | 75 |
| 2021 | 6 | 23,716 | 5,910 | 4,105 | 10,030 | 2,410 | 83 | 672 | 501 | 5 |
| | 7 | 25,594 | 6,993 | 4,484 | 10,222 | 2,621 | 78 | 665 | 526 | 6 |
| | 8 | 25,365 | 7,064 | 4,086 | 10,253 | 2,722 | 61 | 662 | 510 | 6 |
| | 9 | 24,010 | 6,055 | 3,816 | 10,334 | 2,593 | 63 | 646 | 497 | 5 |
| | 10 | 24,048 | 5,695 | 4,236 | 10,072 | 2,867 | 46 | 621 | 505 | 5 |
| | 11 | 25,110 | 6,102 | 5,027 | 9,916 | 2,890 | 38 | 646 | 486 | 7 |
| | 12 | 29,339 | 6,596 | 6,317 | 11,551 | 3,521 | 38 | 748 | 562 | 6 |
| 2022 ^p | 1 | 29,806 | 6,594 | 6,977 | 11,471 | 3,430 | 40 | 736 | 550 | 8 |
| | 2 | 26,007 | 5,583 | 6,352 | 9,767 | 2,980 | 36 | 700 | 585 | 5 |
| | 3 | 26,058 | 5,190 | 6,191 | 10,335 | 2,954 | 45 | 739 | 598 | 6 |
| | 4 | 23,421 | 4,979 | 4,700 | 9,468 | 2,851 | 44 | 723 | 650 | 6 |
| | 5 | 24,569 | 5,507 | 4,087 | 10,332 | 3,112 | 52 | 741 | 732 | 6 |
| | 6 | 23,511 | 5,856 | 3,946 | 9,204 | 3,137 | 60 | 714 | 587 | 6 |
| | 7 | 26,222 | 6,732 | 4,318 | 10,429 | 3,271 | 85 | 758 | 624 | 6 |
| | 8 | 25,944 | 6,486 | 3,911 | 10,545 | 3,474 | 148 | 752 | 622 | 7 |
| | 9 | 22,770 | 5,450 | 3,504 | 9,371 | 3,002 | 104 | 720 | 613 | 6 |
| | 10 | 23,250 | 5,187 | 3,871 | 9,734 | 3,063 | 54 | 700 | 636 | 5 |
| | 11 | 23,988 | 5,282 | 4,632 | 9,832 | 2,983 | 45 | 666 | 541 | 5 |
| | 12 | 28,953 | 6,235 | 6,968 | 11,188 | 3,244 | 42 | 715 | 555 | 7 |
| 2023 ^p | 1 | 27,928 | 6,062 | 6,774 | 10,383 | 3,335 | 44 | 737 | 586 | 8 |
| | 2 | 24,973 | 5,403 | 5,993 | 9,404 | 2,898 | 36 | 674 | 559 | 5 |
| | 3 | 25,536 | 5,034 | 5,229 | 10,577 | 3,237 | 39 | 785 | 628 | 6 |
| | 4 | 22,625 | 4,826 | 4,327 | 9,012 | 2,890 | 41 | 736 | 786 | 6 |
| | 5 | 23,433 | 5,007 | 4,078 | 9,771 | 3,080 | 63 | 712 | 716 | 6 |
| | 6 | 22,752 | 5,316 | 3,832 | 9,103 | 3,018 | 68 | 717 | 692 | 6 |
| 2022 ^p | 1-6 | 153,372 | 33,709 | 32,253 | 60,578 | 18,463 | 277 | 4,353 | 3,702 | 38 |
| 2023 ^p | 1-6 | 147,247 | 31,648 | 30,234 | 58,251 | 18,457 | 291 | 4,360 | 3,968 | 37 |

1. 지역난방이 아닌 상용자가업체 열생산량을 의미

1. Heat production by autoproducer plants

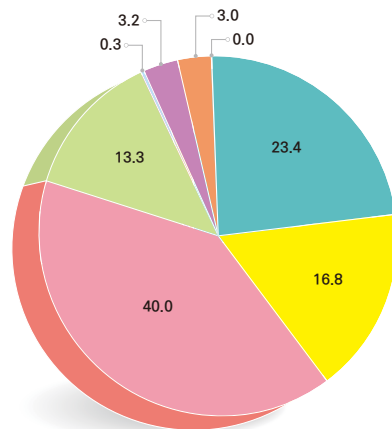
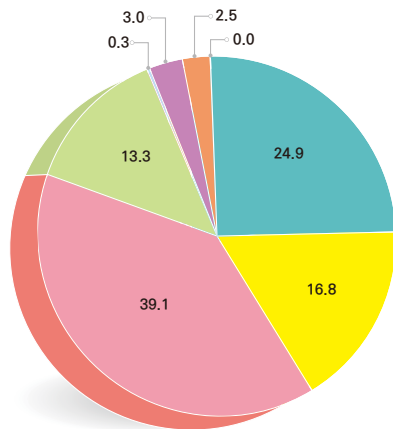
● 일차에너지소비 원별 구성비 Shares of Energy Sources in Total Primary Energy Consumption(%)

〈1990~2022^p〉



● 2022년 6월 June 2022^p(%)

● 2023년 6월 June 2023^p(%)



1.8 일차에너지소비 원별 구성비

Shares of Energy Sources in Total Primary Energy Consumption

| | | 합계 | 석탄 | 가스 | 석유 | 원자력 | 수력 | 바이오및폐기물 | 지열,태양및기타 | 열 ¹ |
|-------------------|-----|-------|------|------|------|---------|-------|--------------------|-------------------------|-------------------|
| | | Total | Coal | Gas | Oil | Nuclear | Hydro | Biofuels and waste | Geothermal, solar, etc. | Heat ¹ |
| | | % | | | | | | | | |
| 1990 | | 100.0 | 28.1 | 3.7 | 51.8 | 14.7 | 1.7 | 0.0 | 0.0 | 0.0 |
| 1995 | | 100.0 | 20.5 | 7.1 | 60.1 | 11.6 | 0.5 | 0.2 | 0.0 | 0.0 |
| 2000 | | 100.0 | 24.0 | 10.5 | 49.5 | 14.8 | 0.5 | 0.6 | 0.0 | 0.0 |
| 2001 | | 100.0 | 25.0 | 10.9 | 48.1 | 14.9 | 0.3 | 0.7 | 0.0 | 0.0 |
| 2002 | | 100.0 | 25.4 | 11.6 | 46.9 | 15.0 | 0.4 | 0.8 | 0.0 | 0.0 |
| 2003 | | 100.0 | 25.5 | 11.7 | 45.5 | 15.8 | 0.6 | 0.9 | 0.0 | 0.0 |
| 2004 | | 100.0 | 26.0 | 13.5 | 43.2 | 15.7 | 0.5 | 1.0 | 0.0 | 0.0 |
| 2005 | | 100.0 | 26.2 | 14.2 | 40.9 | 17.3 | 0.4 | 0.9 | 0.0 | 0.0 |
| 2006 | | 100.0 | 26.2 | 15.0 | 40.6 | 16.9 | 0.4 | 1.0 | 0.0 | 0.0 |
| 2007 | | 100.0 | 26.2 | 15.2 | 43.8 | 13.3 | 0.3 | 1.1 | 0.1 | 0.0 |
| 2008 | | 100.0 | 28.5 | 15.2 | 40.9 | 13.8 | 0.3 | 1.2 | 0.1 | 0.0 |
| 2009 | | 100.0 | 29.2 | 14.3 | 41.6 | 13.3 | 0.3 | 1.3 | 0.1 | 0.0 |
| 2010 | | 100.0 | 30.6 | 16.7 | 38.6 | 12.4 | 0.3 | 1.3 | 0.2 | 0.0 |
| 2011 | | 100.0 | 31.6 | 16.9 | 37.3 | 12.2 | 0.4 | 1.4 | 0.2 | 0.0 |
| 2012 | | 100.0 | 30.1 | 18.1 | 38.1 | 11.5 | 0.3 | 1.5 | 0.2 | 0.0 |
| 2013 | | 100.0 | 30.3 | 19.4 | 37.2 | 10.7 | 0.3 | 1.7 | 0.3 | 0.0 |
| 2014 | | 100.0 | 30.9 | 17.5 | 36.8 | 12.1 | 0.2 | 2.0 | 0.4 | 0.0 |
| 2015 | | 100.0 | 30.7 | 15.8 | 38.2 | 12.4 | 0.2 | 2.2 | 0.5 | 0.0 |
| 2016 | | 100.0 | 28.9 | 15.9 | 40.2 | 11.9 | 0.2 | 2.2 | 0.6 | 0.0 |
| 2017 | | 100.0 | 29.3 | 16.2 | 40.1 | 10.8 | 0.2 | 2.6 | 0.8 | 0.0 |
| 2018 | | 100.0 | 29.1 | 18.4 | 39.1 | 9.4 | 0.2 | 2.7 | 1.0 | 0.0 |
| 2019 | | 100.0 | 27.7 | 18.1 | 39.7 | 10.4 | 0.2 | 2.5 | 1.3 | 0.0 |
| 2020 | | 100.0 | 25.2 | 18.9 | 39.3 | 11.8 | 0.3 | 2.6 | 1.8 | 0.0 |
| 2021 | | 100.0 | 24.0 | 19.8 | 40.1 | 11.1 | 0.2 | 2.7 | 2.1 | 0.0 |
| 2022 ^p | | 100.0 | 22.7 | 19.5 | 40.0 | 12.3 | 0.2 | 2.8 | 2.4 | 0.0 |
| 2021 | 6 | 100.0 | 24.9 | 17.3 | 42.3 | 10.2 | 0.4 | 2.8 | 2.1 | 0.0 |
| | 7 | 100.0 | 27.3 | 17.5 | 39.9 | 10.2 | 0.3 | 2.6 | 2.1 | 0.0 |
| | 8 | 100.0 | 27.8 | 16.1 | 40.4 | 10.7 | 0.2 | 2.6 | 2.0 | 0.0 |
| | 9 | 100.0 | 25.2 | 15.9 | 43.0 | 10.8 | 0.3 | 2.7 | 2.1 | 0.0 |
| | 10 | 100.0 | 23.7 | 17.6 | 41.9 | 11.9 | 0.2 | 2.6 | 2.1 | 0.0 |
| | 11 | 100.0 | 24.3 | 20.0 | 39.5 | 11.5 | 0.2 | 2.6 | 1.9 | 0.0 |
| | 12 | 100.0 | 22.5 | 21.5 | 39.4 | 12.0 | 0.1 | 2.6 | 1.9 | 0.0 |
| 2022 ^p | 1 | 100.0 | 22.1 | 23.4 | 38.5 | 11.5 | 0.1 | 2.5 | 1.8 | 0.0 |
| | 2 | 100.0 | 21.5 | 24.4 | 37.6 | 11.5 | 0.1 | 2.7 | 2.2 | 0.0 |
| | 3 | 100.0 | 19.9 | 23.8 | 39.7 | 11.3 | 0.2 | 2.8 | 2.3 | 0.0 |
| | 4 | 100.0 | 21.3 | 20.1 | 40.4 | 12.2 | 0.2 | 3.1 | 2.8 | 0.0 |
| | 5 | 100.0 | 22.4 | 16.6 | 42.1 | 12.7 | 0.2 | 3.0 | 3.0 | 0.0 |
| | 6 | 100.0 | 24.9 | 16.8 | 39.1 | 13.3 | 0.3 | 3.0 | 2.5 | 0.0 |
| | 7 | 100.0 | 25.7 | 16.5 | 39.8 | 12.5 | 0.3 | 2.9 | 2.4 | 0.0 |
| | 8 | 100.0 | 25.0 | 15.1 | 40.6 | 13.4 | 0.6 | 2.9 | 2.4 | 0.0 |
| | 9 | 100.0 | 23.9 | 15.4 | 41.2 | 13.2 | 0.5 | 3.2 | 2.7 | 0.0 |
| | 10 | 100.0 | 22.3 | 16.7 | 41.9 | 13.2 | 0.2 | 3.0 | 2.7 | 0.0 |
| | 11 | 100.0 | 22.0 | 19.3 | 41.0 | 12.4 | 0.2 | 2.8 | 2.3 | 0.0 |
| | 12 | 100.0 | 21.5 | 24.1 | 38.6 | 11.2 | 0.1 | 2.5 | 1.9 | 0.0 |
| 2023 ^p | 1 | 100.0 | 21.7 | 24.3 | 37.2 | 11.9 | 0.2 | 2.6 | 2.1 | 0.0 |
| | 2 | 100.0 | 21.6 | 24.0 | 37.7 | 11.6 | 0.1 | 2.7 | 2.2 | 0.0 |
| | 3 | 100.0 | 19.7 | 20.5 | 41.4 | 12.7 | 0.2 | 3.1 | 2.5 | 0.0 |
| | 4 | 100.0 | 21.3 | 19.1 | 39.8 | 12.8 | 0.2 | 3.3 | 3.5 | 0.0 |
| | 5 | 100.0 | 21.4 | 17.4 | 41.7 | 13.1 | 0.3 | 3.0 | 3.1 | 0.0 |
| | 6 | 100.0 | 23.4 | 16.8 | 40.0 | 13.3 | 0.3 | 3.2 | 3.0 | 0.0 |
| 2022 ^p | 1~6 | 100.0 | 22.0 | 21.0 | 39.5 | 12.0 | 0.2 | 2.8 | 2.4 | 0.0 |
| 2023 ^p | 1~6 | 100.0 | 21.5 | 20.5 | 39.6 | 12.5 | 0.2 | 3.0 | 2.7 | 0.0 |

1. 상용자가업체 열생산량을 의미

1. Heat production by autoproducer plants



2. 최종소비

Total Final Consumption

2.1 원별 최종소비

Total Final Consumption by Source

2.2 원별 최종소비 구성비

Shares of Energy Source in Total Final Consumption

2.3 부문별 최종소비

Total Final Consumption by Sector

2.3.1 산업

Industry

2.3.2 수송

Transport

2.3.3 가정

Residential

2.3.4 상업·공공

Commercial & Public

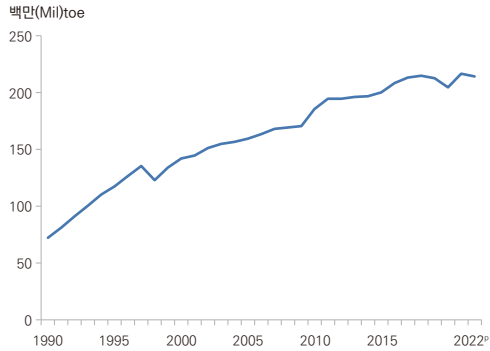
2.4 사용 용도별 최종소비

Total Final Consumption by Energy Use

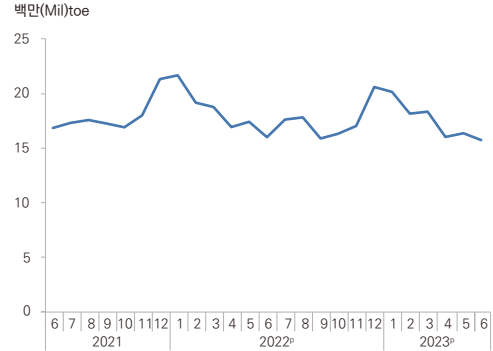


● 최종소비 Total Final Consumption

〈1990~2022^o〉

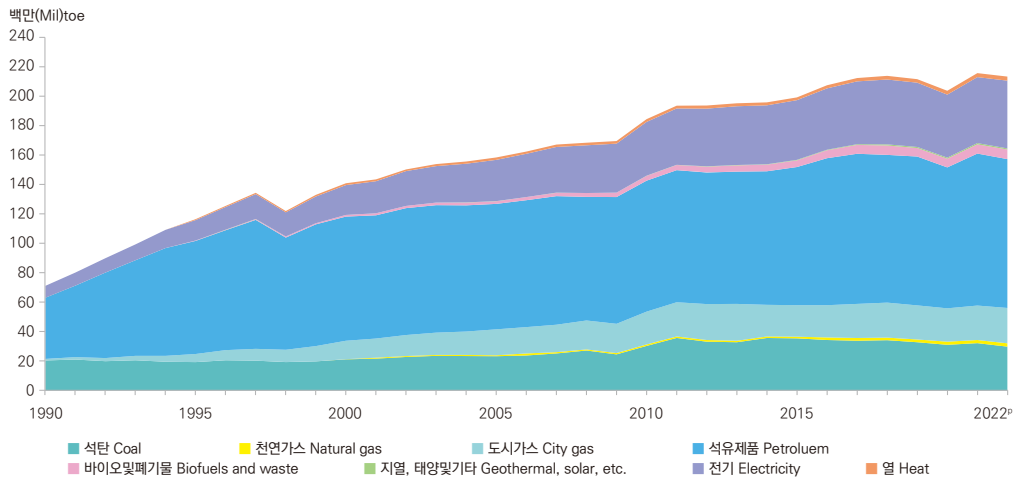


〈월별 Monthly〉

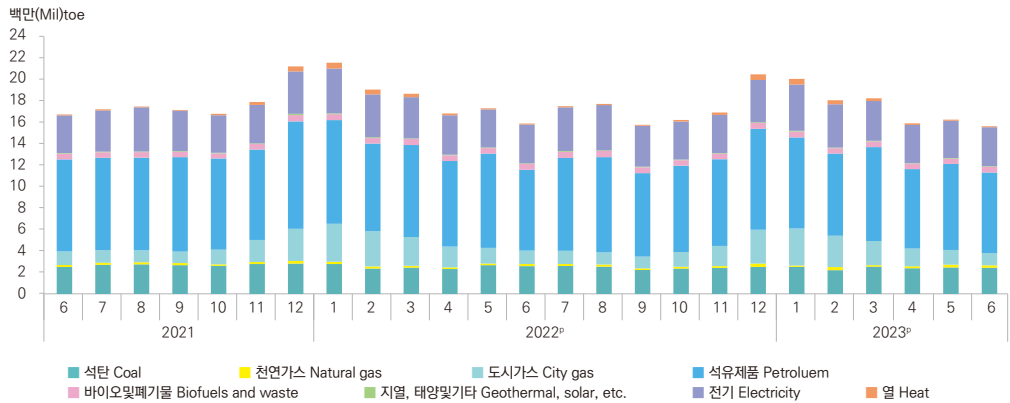


● 에너지원별 최종소비 Total Final Consumption by Source

〈1990~2022^o〉



〈월별 Monthly〉



2.1 원별 최종소비

Total Final Consumption by Source

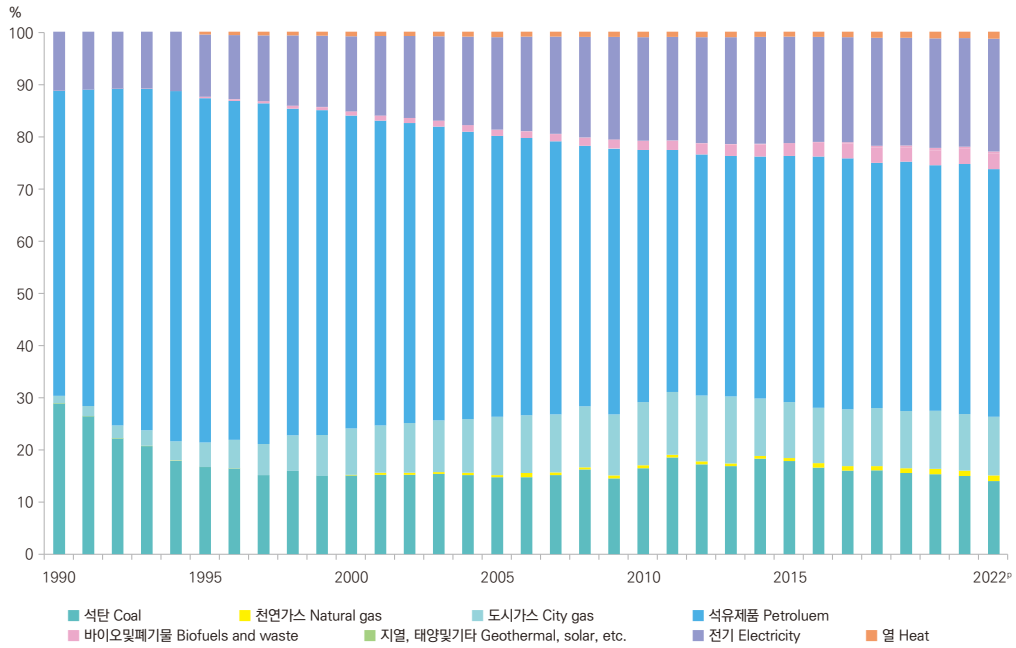
| | | 합계 ¹ | 석탄 | 천연가스 | 도시가스 | 석유제품 | 바이오및폐기물 | 지열,태양및기타 | 전기 | 열 |
|-------------------|-----|--------------------|--------|-------------|----------|-----------|--------------------|-------------------------|-------------|-------|
| | | Total ¹ | Coal | Natural gas | City gas | Petroleum | Biofuels and waste | Geothermal, solar, etc. | Electricity | Heat |
| | | 1,000 toe | | | | | | | | |
| 1990 | | 71,150 | 20,528 | 5 | 1,012 | 41,592 | 6 | 10 | 7,997 | - |
| 1995 | | 116,508 | 19,422 | 12 | 5,452 | 76,815 | 315 | 23 | 13,832 | 637 |
| 2000 | | 140,958 | 21,217 | 207 | 12,510 | 84,410 | 1,088 | 45 | 20,273 | 1,208 |
| 2001 | | 143,589 | 21,788 | 569 | 13,031 | 83,761 | 1,364 | 39 | 21,822 | 1,217 |
| 2002 | | 150,381 | 22,827 | 623 | 14,305 | 86,296 | 1,487 | 37 | 23,584 | 1,224 |
| 2003 | | 153,972 | 23,607 | 595 | 15,212 | 86,607 | 1,720 | 36 | 24,796 | 1,395 |
| 2004 | | 155,678 | 23,511 | 765 | 15,912 | 85,687 | 1,954 | 42 | 26,353 | 1,449 |
| 2005 | | 158,478 | 23,382 | 632 | 17,672 | 85,208 | 1,818 | 42 | 28,072 | 1,652 |
| 2006 | | 162,528 | 23,908 | 1,318 | 17,963 | 86,256 | 2,059 | 48 | 29,427 | 1,549 |
| 2007 | | 167,225 | 25,295 | 838 | 18,599 | 87,401 | 2,354 | 53 | 31,108 | 1,576 |
| 2008 | | 168,469 | 27,283 | 714 | 19,632 | 84,046 | 2,596 | 63 | 32,467 | 1,669 |
| 2009 | | 169,567 | 24,578 | 975 | 19,810 | 86,250 | 2,919 | 75 | 33,235 | 1,715 |
| 2010 | | 184,581 | 30,381 | 996 | 22,361 | 89,023 | 3,175 | 93 | 36,595 | 1,953 |
| 2011 | | 193,726 | 35,815 | 999 | 23,288 | 89,740 | 3,488 | 117 | 38,325 | 1,954 |
| 2012 | | 193,771 | 33,336 | 1,060 | 24,464 | 89,418 | 3,999 | 146 | 39,264 | 2,085 |
| 2013 | | 195,292 | 32,912 | 1,041 | 24,972 | 89,885 | 4,299 | 190 | 39,943 | 2,049 |
| 2014 | | 195,889 | 35,813 | 1,018 | 21,488 | 90,741 | 4,531 | 256 | 40,103 | 1,938 |
| 2015 | | 199,347 | 35,569 | 1,129 | 21,305 | 93,977 | 4,507 | 322 | 40,630 | 1,905 |
| 2016 | | 207,553 | 34,370 | 1,797 | 21,928 | 99,827 | 5,455 | 406 | 41,692 | 2,075 |
| 2017 | | 212,431 | 33,927 | 1,832 | 23,122 | 102,098 | 6,031 | 534 | 42,586 | 2,300 |
| 2018 | | 214,001 | 34,297 | 1,773 | 23,793 | 100,411 | 6,397 | 643 | 44,148 | 2,535 |
| 2019 | | 211,733 | 32,887 | 1,932 | 23,094 | 101,189 | 5,751 | 757 | 43,649 | 2,471 |
| 2020 | | 203,747 | 31,152 | 2,119 | 22,632 | 95,850 | 5,826 | 842 | 42,733 | 2,592 |
| 2021 | | 215,664 | 32,251 | 2,131 | 23,382 | 103,310 | 6,241 | 900 | 44,748 | 2,701 |
| 2022 ^p | | 214,004 | 30,000 | 2,222 | 24,046 | 101,602 | 6,482 | 741 | 46,039 | 2,872 |
| 2021 | 6 | 16,748 | 2,517 | 183 | 1,265 | 8,586 | 528 | 58 | 3,523 | 89 |
| | 7 | 17,219 | 2,717 | 201 | 1,174 | 8,615 | 511 | 56 | 3,854 | 92 |
| | 8 | 17,480 | 2,761 | 193 | 1,123 | 8,647 | 512 | 54 | 4,109 | 81 |
| | 9 | 17,160 | 2,696 | 186 | 1,081 | 8,802 | 502 | 57 | 3,760 | 77 |
| | 10 | 16,808 | 2,636 | 122 | 1,382 | 8,498 | 473 | 55 | 3,507 | 134 |
| | 11 | 17,902 | 2,799 | 180 | 2,062 | 8,431 | 506 | 71 | 3,587 | 266 |
| | 12 | 21,217 | 2,846 | 228 | 3,010 | 10,007 | 593 | 115 | 3,956 | 462 |
| 2022 ^p | 1 | 21,568 | 2,800 | 212 | 3,539 | 9,658 | 563 | 69 | 4,189 | 537 |
| | 2 | 19,071 | 2,373 | 198 | 3,280 | 8,170 | 522 | 66 | 3,999 | 462 |
| | 3 | 18,671 | 2,465 | 167 | 2,673 | 8,582 | 557 | 60 | 3,844 | 321 |
| | 4 | 16,831 | 2,331 | 150 | 1,939 | 7,985 | 529 | 58 | 3,674 | 165 |
| | 5 | 17,316 | 2,691 | 145 | 1,466 | 8,786 | 522 | 54 | 3,544 | 109 |
| | 6 | 15,901 | 2,602 | 188 | 1,263 | 7,538 | 541 | 56 | 3,618 | 95 |
| | 7 | 17,509 | 2,612 | 180 | 1,237 | 8,662 | 575 | 66 | 4,079 | 97 |
| | 8 | 17,718 | 2,560 | 194 | 1,124 | 8,880 | 571 | 73 | 4,221 | 94 |
| | 9 | 15,773 | 2,235 | 148 | 1,106 | 7,784 | 539 | 63 | 3,813 | 85 |
| | 10 | 16,234 | 2,378 | 153 | 1,385 | 8,053 | 510 | 55 | 3,553 | 148 |
| | 11 | 16,924 | 2,427 | 165 | 1,891 | 8,091 | 503 | 56 | 3,565 | 226 |
| | 12 | 20,488 | 2,525 | 321 | 3,143 | 9,413 | 548 | 65 | 3,940 | 532 |
| 2023 ^p | 1 | 20,053 | 2,534 | 127 | 3,458 | 8,481 | 551 | 65 | 4,314 | 523 |
| | 2 | 18,063 | 2,216 | 290 | 2,924 | 7,659 | 501 | 60 | 4,038 | 376 |
| | 3 | 18,249 | 2,554 | 131 | 2,254 | 8,765 | 528 | 56 | 3,708 | 253 |
| | 4 | 15,920 | 2,398 | 184 | 1,667 | 7,396 | 509 | 54 | 3,561 | 152 |
| | 5 | 16,258 | 2,485 | 243 | 1,382 | 8,013 | 493 | 52 | 3,480 | 110 |
| | 6 | 15,639 | 2,441 | 235 | 1,146 | 7,513 | 520 | 60 | 3,630 | 94 |
| 2022 ^p | 1-6 | 109,358 | 15,263 | 1,060 | 14,160 | 50,719 | 3,236 | 363 | 22,867 | 1,690 |
| 2023 ^p | 1-6 | 104,183 | 14,627 | 1,211 | 12,830 | 47,826 | 3,102 | 348 | 22,731 | 1,508 |

1. 수력 포함

1. Total includes Hydro

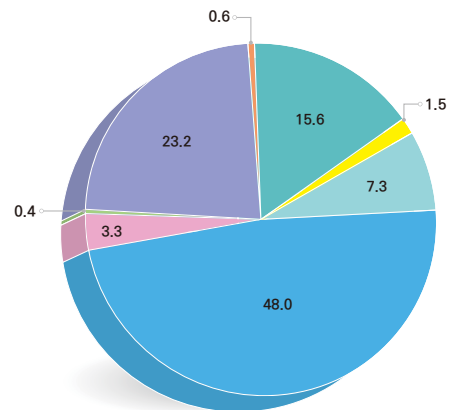
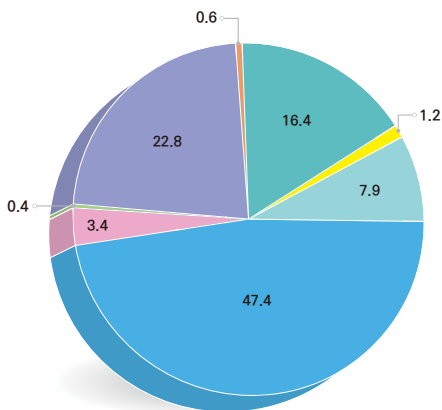
● 원별 최종소비 구성비 Shares of Energy Source in Total Final Consumption(%)

〈1990~2022^p〉



● 2022년 6월 June 2022^p(%)

● 2023년 6월 June 2023^p(%)



2.2 원별 최종소비 구성비

Shares of Energy Source in Total Final Consumption

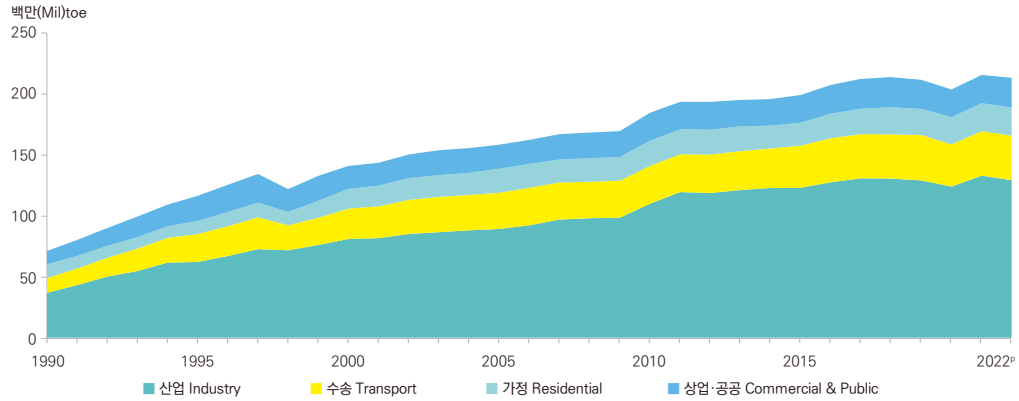
| | | 합계 ¹ | 석탄 | 천연가스 | 도시가스 | 석유제품 | 바이오및폐기물 | 지열,태양및기타 | 전기 | 열 |
|-------------------|-----|--------------------|------|-------------|----------|-----------|--------------------|-------------------------|-------------|------|
| | | Total ¹ | Coal | Natural gas | City gas | Petroleum | Biofuels and waste | Geothermal, solar, etc. | Electricity | Heat |
| | | % | | | | | | | | |
| 1990 | | 100.0 | 28.9 | 0.0 | 1.4 | 58.5 | 0.0 | 0.0 | 11.2 | - |
| 1995 | | 100.0 | 16.7 | 0.0 | 4.7 | 65.9 | 0.3 | 0.0 | 11.9 | 0.5 |
| 2000 | | 100.0 | 15.1 | 0.1 | 8.9 | 59.9 | 0.8 | 0.0 | 14.4 | 0.9 |
| 2001 | | 100.0 | 15.2 | 0.4 | 9.1 | 58.3 | 0.9 | 0.0 | 15.2 | 0.8 |
| 2002 | | 100.0 | 15.2 | 0.4 | 9.5 | 57.4 | 1.0 | 0.0 | 15.7 | 0.8 |
| 2003 | | 100.0 | 15.3 | 0.4 | 9.9 | 56.2 | 1.1 | 0.0 | 16.1 | 0.9 |
| 2004 | | 100.0 | 15.1 | 0.5 | 10.2 | 55.0 | 1.3 | 0.0 | 16.9 | 0.9 |
| 2005 | | 100.0 | 14.8 | 0.4 | 11.2 | 53.8 | 1.1 | 0.0 | 17.7 | 1.0 |
| 2006 | | 100.0 | 14.7 | 0.8 | 11.1 | 53.1 | 1.3 | 0.0 | 18.1 | 1.0 |
| 2007 | | 100.0 | 15.1 | 0.5 | 11.1 | 52.3 | 1.4 | 0.0 | 18.6 | 0.9 |
| 2008 | | 100.0 | 16.2 | 0.4 | 11.7 | 49.9 | 1.5 | 0.0 | 19.3 | 1.0 |
| 2009 | | 100.0 | 14.5 | 0.6 | 11.7 | 50.9 | 1.7 | 0.0 | 19.6 | 1.0 |
| 2010 | | 100.0 | 16.5 | 0.5 | 12.1 | 48.2 | 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 | 16.9 | 0.5 | 12.8 | 46.0 | 2.2 | 0.1 | 20.5 | 1.0 |
| 2014 | | 100.0 | 18.3 | 0.5 | 11.0 | 46.3 | 2.3 | 0.1 | 20.5 | 1.0 |
| 2015 | | 100.0 | 17.8 | 0.6 | 10.7 | 47.1 | 2.3 | 0.2 | 20.4 | 1.0 |
| 2016 | | 100.0 | 16.6 | 0.9 | 10.6 | 48.1 | 2.6 | 0.2 | 20.1 | 1.0 |
| 2017 | | 100.0 | 16.0 | 0.9 | 10.9 | 48.1 | 2.8 | 0.3 | 20.0 | 1.1 |
| 2018 | | 100.0 | 16.0 | 0.8 | 11.1 | 46.9 | 3.0 | 0.3 | 20.6 | 1.2 |
| 2019 | | 100.0 | 15.5 | 0.9 | 10.9 | 47.8 | 2.7 | 0.4 | 20.6 | 1.2 |
| 2020 | | 100.0 | 15.3 | 1.0 | 11.1 | 47.0 | 2.9 | 0.4 | 21.0 | 1.3 |
| 2021 | | 100.0 | 15.0 | 1.0 | 10.8 | 47.9 | 2.9 | 0.4 | 20.7 | 1.3 |
| 2022 ^p | | 100.0 | 14.0 | 1.0 | 11.2 | 47.5 | 3.0 | 0.3 | 21.5 | 1.3 |
| 2021 | 6 | 100.0 | 15.0 | 1.1 | 7.6 | 51.3 | 3.1 | 0.3 | 21.0 | 0.5 |
| | 7 | 100.0 | 15.8 | 1.2 | 6.8 | 50.0 | 3.0 | 0.3 | 22.4 | 0.5 |
| | 8 | 100.0 | 15.8 | 1.1 | 6.4 | 49.5 | 2.9 | 0.3 | 23.5 | 0.5 |
| | 9 | 100.0 | 15.7 | 1.1 | 6.3 | 51.3 | 2.9 | 0.3 | 21.9 | 0.4 |
| | 10 | 100.0 | 15.7 | 0.7 | 8.2 | 50.6 | 2.8 | 0.3 | 20.9 | 0.8 |
| | 11 | 100.0 | 15.6 | 1.0 | 11.5 | 47.1 | 2.8 | 0.4 | 20.0 | 1.5 |
| | 12 | 100.0 | 13.4 | 1.1 | 14.2 | 47.2 | 2.8 | 0.5 | 18.6 | 2.2 |
| 2022 ^p | 1 | 100.0 | 13.0 | 1.0 | 16.4 | 44.8 | 2.6 | 0.3 | 19.4 | 2.5 |
| | 2 | 100.0 | 12.4 | 1.0 | 17.2 | 42.8 | 2.7 | 0.3 | 21.0 | 2.4 |
| | 3 | 100.0 | 13.2 | 0.9 | 14.3 | 46.0 | 3.0 | 0.3 | 20.6 | 1.7 |
| | 4 | 100.0 | 13.8 | 0.9 | 11.5 | 47.4 | 3.1 | 0.3 | 21.8 | 1.0 |
| | 5 | 100.0 | 15.5 | 0.8 | 8.5 | 50.7 | 3.0 | 0.3 | 20.5 | 0.6 |
| | 6 | 100.0 | 16.4 | 1.2 | 7.9 | 47.4 | 3.4 | 0.4 | 22.8 | 0.6 |
| | 7 | 100.0 | 14.9 | 1.0 | 7.1 | 49.5 | 3.3 | 0.4 | 23.3 | 0.6 |
| | 8 | 100.0 | 14.4 | 1.1 | 6.3 | 50.1 | 3.2 | 0.4 | 23.8 | 0.5 |
| | 9 | 100.0 | 14.2 | 0.9 | 7.0 | 49.4 | 3.4 | 0.4 | 24.2 | 0.5 |
| | 10 | 100.0 | 14.6 | 0.9 | 8.5 | 49.6 | 3.1 | 0.3 | 21.9 | 0.9 |
| | 11 | 100.0 | 14.3 | 1.0 | 11.2 | 47.8 | 3.0 | 0.3 | 21.1 | 1.3 |
| | 12 | 100.0 | 12.3 | 1.6 | 15.3 | 45.9 | 2.7 | 0.3 | 19.2 | 2.6 |
| 2023 ^p | 1 | 100.0 | 12.6 | 0.6 | 17.2 | 42.3 | 2.7 | 0.3 | 21.5 | 2.6 |
| | 2 | 100.0 | 12.3 | 1.6 | 16.2 | 42.4 | 2.8 | 0.3 | 22.4 | 2.1 |
| | 3 | 100.0 | 14.0 | 0.7 | 12.3 | 48.0 | 2.9 | 0.3 | 20.3 | 1.4 |
| | 4 | 100.0 | 15.1 | 1.2 | 10.5 | 46.5 | 3.2 | 0.3 | 22.4 | 1.0 |
| | 5 | 100.0 | 15.3 | 1.5 | 8.5 | 49.3 | 3.0 | 0.3 | 21.4 | 0.7 |
| | 6 | 100.0 | 15.6 | 1.5 | 7.3 | 48.0 | 3.3 | 0.4 | 23.2 | 0.6 |
| 2022 ^p | 1-6 | 100.0 | 14.0 | 1.0 | 12.9 | 46.4 | 3.0 | 0.3 | 20.9 | 1.5 |
| 2023 ^p | 1-6 | 100.0 | 14.0 | 1.2 | 12.3 | 45.9 | 3.0 | 0.3 | 21.8 | 1.4 |

1. 수력 포함

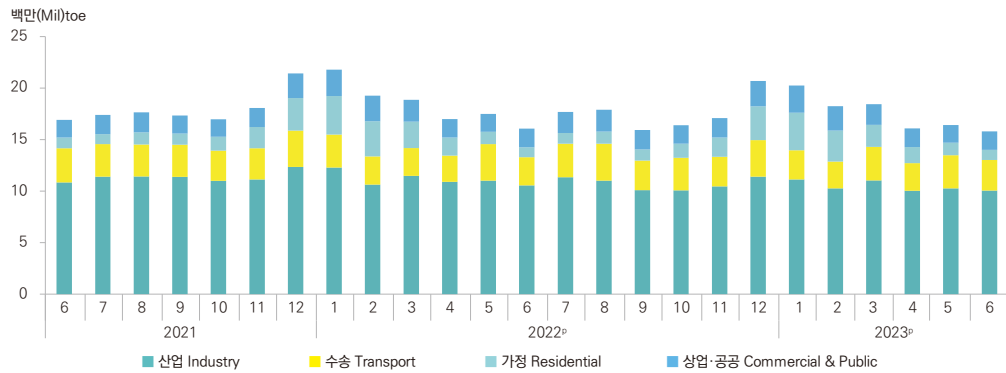
1. Total includes Hydro

● 부문별 최종소비 Total Final Consumption by Sector

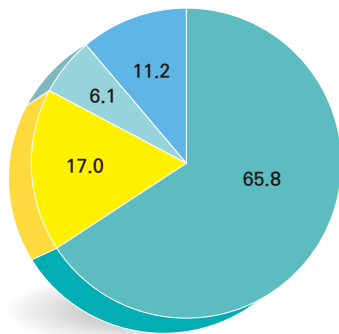
〈1990~2022^p〉



〈월별 Monthly〉



● 2022년 6월 June 2022^p(%)



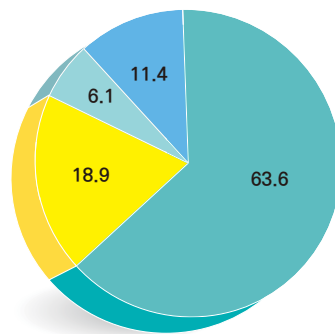
■ 산업 Industry

■ 수송 Transport

■ 가정 Residential

■ 상업·공공 Commercial & Public

● 2023년 6월 June 2023^p(%)



■ 산업 Industry

■ 수송 Transport

■ 가정 Residential

■ 상업·공공 Commercial & Public

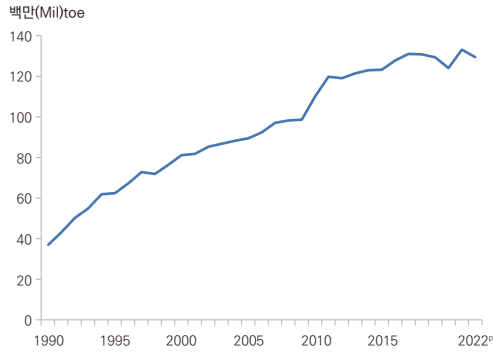
2.3 부문별 최종소비

Total Final Consumption by Sector

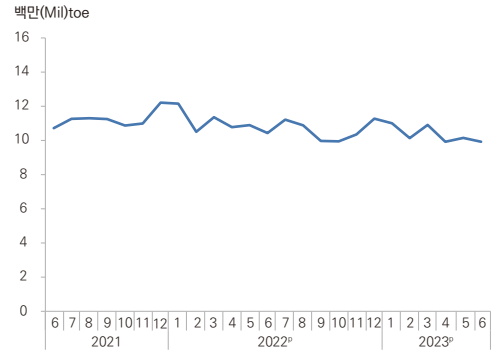
| | | 에너지산업자체소비 | 합계 | 산업 | 수송 | 가정 | 상업·공공 |
|-------------------|-----|---------------------------|---------|----------|-----------|-------------|------------------------|
| | | Transformation own use | Total | Industry | Transport | Residential | Commercial & Public |
| | | 1,000 toe | | | | | |
| 1990 | | 1,529 | 71,150 | 36,799 | 12,141 | 11,262 | 10,948 |
| 1995 | | 2,389 | 116,508 | 62,276 | 22,920 | 10,712 | 20,600 |
| 2000 | | 8,171 | 140,958 | 80,963 | 25,007 | 16,284 | 18,704 |
| 2001 | | 7,967 | 143,589 | 81,673 | 26,226 | 17,020 | 18,671 |
| 2002 | | 7,471 | 150,381 | 85,167 | 28,008 | 17,791 | 19,416 |
| 2003 | | 7,727 | 153,972 | 86,646 | 29,002 | 17,877 | 20,448 |
| 2004 | | 8,349 | 155,678 | 88,125 | 29,178 | 18,064 | 20,312 |
| 2005 | | 8,170 | 158,478 | 89,370 | 29,730 | 19,754 | 19,625 |
| 2006 | | 8,182 | 162,528 | 92,241 | 30,928 | 19,613 | 19,745 |
| 2007 | | 8,414 | 167,225 | 96,978 | 30,496 | 18,872 | 20,879 |
| 2008 | | 9,511 | 168,469 | 98,110 | 30,007 | 19,347 | 21,005 |
| 2009 | | 9,327 | 169,567 | 98,532 | 30,389 | 19,349 | 21,297 |
| 2010 | | 9,133 | 184,581 | 109,981 | 31,010 | 20,733 | 22,857 |
| 2011 | | 10,180 | 193,726 | 119,660 | 31,016 | 20,496 | 22,554 |
| 2012 | | 10,792 | 193,771 | 118,914 | 31,502 | 20,407 | 22,948 |
| 2013 | | 10,329 | 195,292 | 121,318 | 32,017 | 20,185 | 21,772 |
| 2014 | | 11,898 | 195,889 | 122,898 | 32,407 | 18,905 | 21,679 |
| 2015 | | 11,829 | 199,347 | 123,174 | 34,510 | 18,971 | 22,692 |
| 2016 | | 12,093 | 207,553 | 127,696 | 36,030 | 20,140 | 23,686 |
| 2017 | | 11,255 | 212,431 | 130,919 | 36,261 | 20,918 | 24,333 |
| 2018 | | 13,539 | 214,001 | 130,769 | 36,227 | 22,114 | 24,890 |
| 2019 | | 14,053 | 211,733 | 129,223 | 37,194 | 21,466 | 23,850 |
| 2020 | | 13,956 | 203,747 | 124,013 | 34,746 | 22,356 | 22,632 |
| 2021 | | 13,960 | 215,664 | 132,960 | 36,636 | 22,940 | 23,128 |
| 2022 ^p | | 13,766 | 214,004 | 129,999 | 36,353 | 23,260 | 24,392 |
| 2021 | 6 | 1,090 | 16,748 | 10,742 | 3,279 | 1,040 | 1,687 |
| | 7 | 1,198 | 17,219 | 11,285 | 3,129 | 966 | 1,839 |
| | 8 | 1,185 | 17,480 | 11,320 | 3,069 | 1,151 | 1,941 |
| | 9 | 1,115 | 17,160 | 11,271 | 3,089 | 1,069 | 1,732 |
| | 10 | 1,175 | 16,808 | 10,890 | 2,898 | 1,348 | 1,672 |
| | 11 | 1,164 | 17,902 | 11,016 | 3,005 | 2,040 | 1,841 |
| | 12 | 1,273 | 21,217 | 12,233 | 3,485 | 3,126 | 2,373 |
| 2022 ^p | 1 | 1,301 | 21,568 | 12,168 | 3,172 | 3,703 | 2,526 |
| | 2 | 1,150 | 19,071 | 10,530 | 2,699 | 3,392 | 2,451 |
| | 3 | 1,200 | 18,671 | 11,374 | 2,664 | 2,544 | 2,088 |
| | 4 | 1,082 | 16,831 | 10,794 | 2,513 | 1,743 | 1,781 |
| | 5 | 1,101 | 17,316 | 10,917 | 3,509 | 1,184 | 1,706 |
| | 6 | 1,103 | 15,901 | 10,457 | 2,703 | 963 | 1,778 |
| | 7 | 1,165 | 17,509 | 11,235 | 3,219 | 1,042 | 2,013 |
| | 8 | 1,196 | 17,718 | 10,905 | 3,558 | 1,158 | 2,097 |
| | 9 | 1,088 | 15,773 | 9,988 | 2,847 | 1,075 | 1,863 |
| | 10 | 1,080 | 16,234 | 9,971 | 3,140 | 1,348 | 1,774 |
| | 11 | 1,065 | 16,924 | 10,366 | 2,825 | 1,859 | 1,874 |
| | 12 | 1,233 | 20,488 | 11,293 | 3,505 | 3,249 | 2,441 |
| 2023 ^p | 1 | 1,106 | 20,053 | 11,022 | 2,802 | 3,604 | 2,624 |
| | 2 | 1,028 | 18,063 | 10,162 | 2,574 | 2,974 | 2,353 |
| | 3 | 1,047 | 18,249 | 10,927 | 3,228 | 2,116 | 1,979 |
| | 4 | 1,013 | 15,920 | 9,943 | 2,647 | 1,547 | 1,784 |
| | 5 | 1,127 | 16,258 | 10,167 | 3,191 | 1,198 | 1,702 |
| | 6 | 910 | 15,639 | 9,949 | 2,954 | 956 | 1,779 |
| 2022 ^p | 1-6 | 6,937 | 109,358 | 66,241 | 17,259 | 13,529 | 12,330 |
| 2023 ^p | 1-6 | 6,232 | 104,183 | 62,170 | 17,397 | 12,394 | 12,222 |

● 산업 Industry

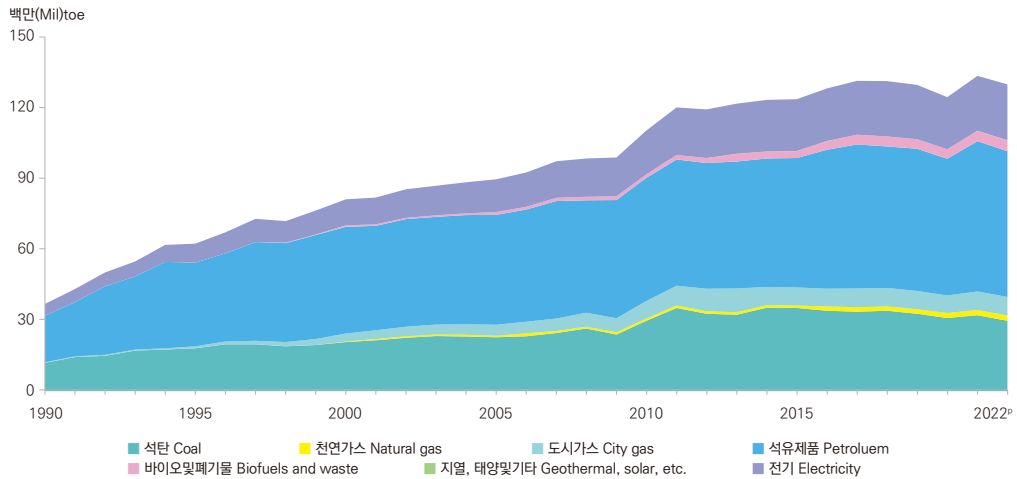
〈1990~2022°〉



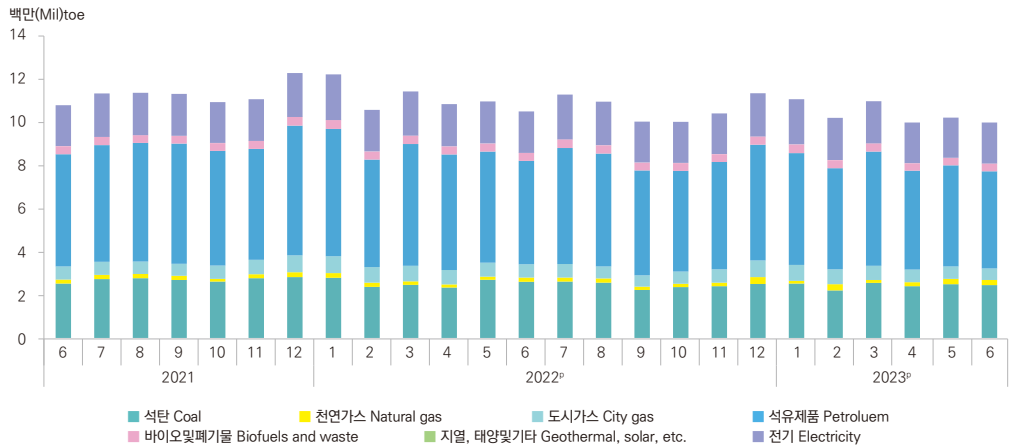
〈월별 Monthly〉



〈1990~2022°〉



〈월별 Monthly〉



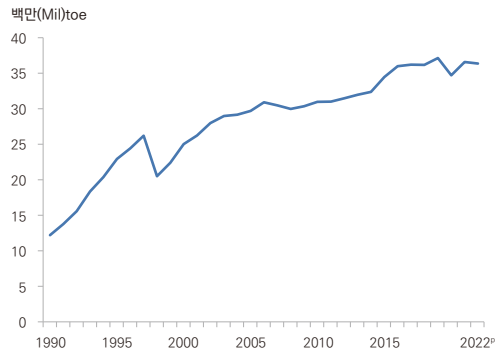
2.3.1 산업

Industry

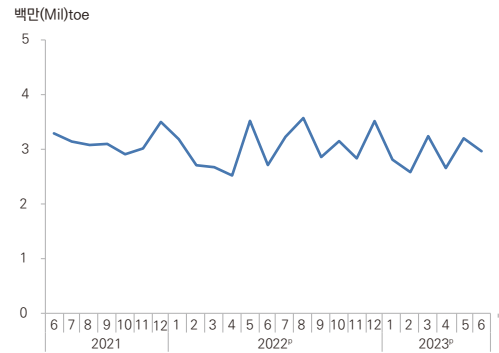
| | | 합계 Total | 석탄 Coal | 천연가스 Natural gas | 도시가스 City gas | 석유제품 Petroleum | 바이오및폐기물 Biofuels and waste | 지열,태양및기타 Geothermal, solar, etc. | 전기 Electricity |
|-------------------|-----|-------------|------------|---------------------|------------------|-------------------|-------------------------------|-------------------------------------|-------------------|
| | | 1,000 toe | | | | | | | |
| 1990 | | 36,799 | 11,942 | 5 | 235 | 19,642 | | 0 | 4,975 |
| 1995 | | 62,276 | 18,091 | 12 | 863 | 35,192 | | 33 | 8,085 |
| 2000 | | 80,963 | 20,746 | 207 | 3,308 | 45,031 | | 624 | 11,047 |
| 2001 | | 81,673 | 21,464 | 569 | 3,612 | 44,082 | | 611 | 11,335 |
| 2002 | | 85,167 | 22,507 | 623 | 3,984 | 45,450 | | 542 | 12,060 |
| 2003 | | 86,646 | 23,293 | 595 | 4,177 | 45,467 | | 633 | 12,480 |
| 2004 | | 88,125 | 23,046 | 765 | 4,382 | 46,044 | | 757 | 13,130 |
| 2005 | | 89,370 | 22,707 | 632 | 4,655 | 46,355 | 1,189 | 1 | 13,830 |
| 2006 | | 92,241 | 23,128 | 1,318 | 4,847 | 47,289 | 1,201 | 1 | 14,458 |
| 2007 | | 96,978 | 24,552 | 838 | 5,225 | 49,602 | 1,334 | 2 | 15,426 |
| 2008 | | 98,110 | 26,464 | 714 | 5,933 | 47,435 | 1,474 | 1 | 16,089 |
| 2009 | | 98,532 | 23,870 | 975 | 5,891 | 49,850 | 1,628 | 2 | 16,316 |
| 2010 | | 109,981 | 29,695 | 996 | 7,329 | 51,961 | 1,545 | 5 | 18,449 |
| 2011 | | 119,660 | 35,120 | 999 | 8,383 | 53,255 | 1,874 | 9 | 20,018 |
| 2012 | | 118,914 | 32,689 | 1,060 | 9,443 | 53,084 | 2,061 | 15 | 20,562 |
| 2013 | | 121,318 | 32,243 | 1,041 | 10,060 | 53,505 | 3,254 | 21 | 21,194 |
| 2014 | | 122,898 | 35,235 | 1,018 | 7,684 | 54,194 | 2,959 | 21 | 21,788 |
| 2015 | | 123,174 | 35,041 | 1,129 | 7,539 | 54,610 | 2,944 | 31 | 21,880 |
| 2016 | | 127,696 | 33,918 | 1,797 | 7,456 | 58,705 | 3,622 | 32 | 22,165 |
| 2017 | | 130,919 | 33,531 | 1,832 | 7,953 | 60,738 | 4,121 | 34 | 22,710 |
| 2018 | | 130,769 | 33,965 | 1,773 | 7,842 | 59,619 | 4,252 | 29 | 23,289 |
| 2019 | | 129,223 | 32,617 | 1,932 | 7,692 | 60,068 | 3,945 | 44 | 22,925 |
| 2020 | | 124,013 | 30,912 | 2,119 | 7,345 | 57,699 | 3,981 | 48 | 21,908 |
| 2021 | | 132,960 | 32,040 | 2,131 | 7,855 | 63,361 | 4,337 | 55 | 23,182 |
| 2022 ^p | | 129,999 | 29,800 | 2,222 | 7,781 | 62,048 | 4,517 | 61 | 23,570 |
| | | | | | | | | | |
| 2021 | 6 | 10,742 | 2,514 | 183 | 602 | 5,185 | 368 | 5 | 1,886 |
| | 7 | 11,285 | 2,715 | 201 | 596 | 5,394 | 373 | 5 | 2,002 |
| | 8 | 11,320 | 2,758 | 193 | 575 | 5,476 | 359 | 4 | 1,956 |
| | 9 | 11,271 | 2,681 | 186 | 560 | 5,543 | 352 | 4 | 1,944 |
| | 10 | 10,890 | 2,600 | 122 | 615 | 5,298 | 362 | 5 | 1,887 |
| | 11 | 11,016 | 2,759 | 180 | 673 | 5,113 | 367 | 5 | 1,918 |
| | 12 | 12,233 | 2,804 | 228 | 778 | 5,996 | 392 | 5 | 2,029 |
| | | | | | | | | | |
| 2022 ^p | 1 | 12,168 | 2,776 | 212 | 784 | 5,879 | 404 | 5 | 2,107 |
| | 2 | 10,530 | 2,357 | 198 | 718 | 4,964 | 367 | 5 | 1,920 |
| | 3 | 11,374 | 2,451 | 167 | 709 | 5,624 | 389 | 5 | 2,028 |
| | 4 | 10,794 | 2,323 | 150 | 667 | 5,329 | 373 | 5 | 1,947 |
| | 5 | 10,917 | 2,687 | 145 | 640 | 5,133 | 372 | 5 | 1,936 |
| | 6 | 10,457 | 2,599 | 188 | 613 | 4,774 | 367 | 5 | 1,912 |
| | 7 | 11,235 | 2,608 | 180 | 621 | 5,361 | 395 | 5 | 2,064 |
| | 8 | 10,905 | 2,556 | 194 | 549 | 5,210 | 384 | 5 | 2,006 |
| | 9 | 9,988 | 2,219 | 148 | 528 | 4,835 | 363 | 5 | 1,890 |
| | 10 | 9,971 | 2,345 | 153 | 571 | 4,642 | 362 | 5 | 1,892 |
| | 11 | 10,366 | 2,389 | 165 | 610 | 4,959 | 360 | 5 | 1,879 |
| | 12 | 11,293 | 2,490 | 321 | 770 | 5,337 | 382 | 5 | 1,989 |
| | | | | | | | | | |
| 2023 ^p | 1 | 11,022 | 2,512 | 127 | 731 | 5,160 | 404 | 6 | 2,081 |
| | 2 | 10,162 | 2,197 | 290 | 678 | 4,674 | 370 | 5 | 1,947 |
| | 3 | 10,927 | 2,542 | 131 | 655 | 5,272 | 381 | 5 | 1,941 |
| | 4 | 9,943 | 2,392 | 184 | 581 | 4,562 | 346 | 5 | 1,873 |
| | 5 | 10,167 | 2,481 | 243 | 572 | 4,675 | 339 | 5 | 1,852 |
| | 6 | 9,949 | 2,438 | 235 | 534 | 4,482 | 360 | 5 | 1,894 |
| | | | | | | | | | |
| 2022 ^p | 1-6 | 66,241 | 15,194 | 1,060 | 4,131 | 31,704 | 2,271 | 31 | 11,849 |
| 2023 ^p | 1-6 | 62,170 | 14,560 | 1,211 | 3,752 | 28,827 | 2,201 | 31 | 11,588 |

● 수송 Transport

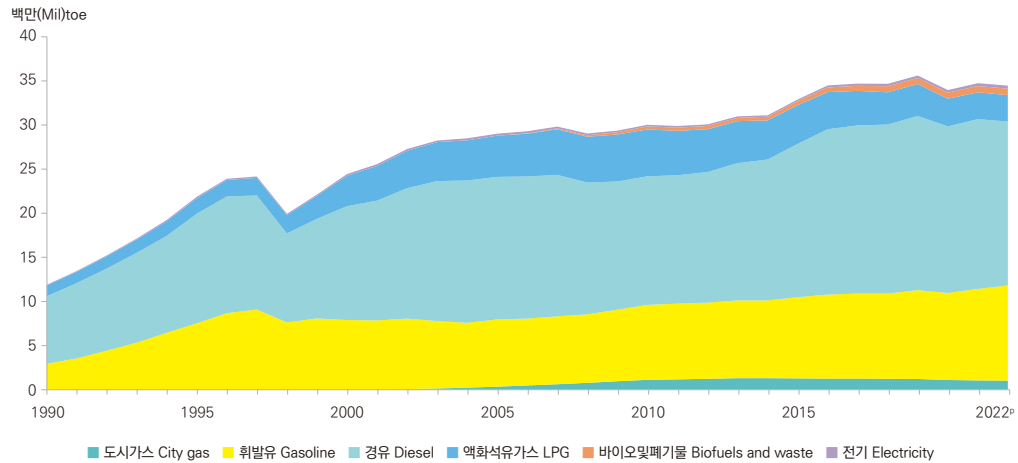
〈1990~2022^o〉



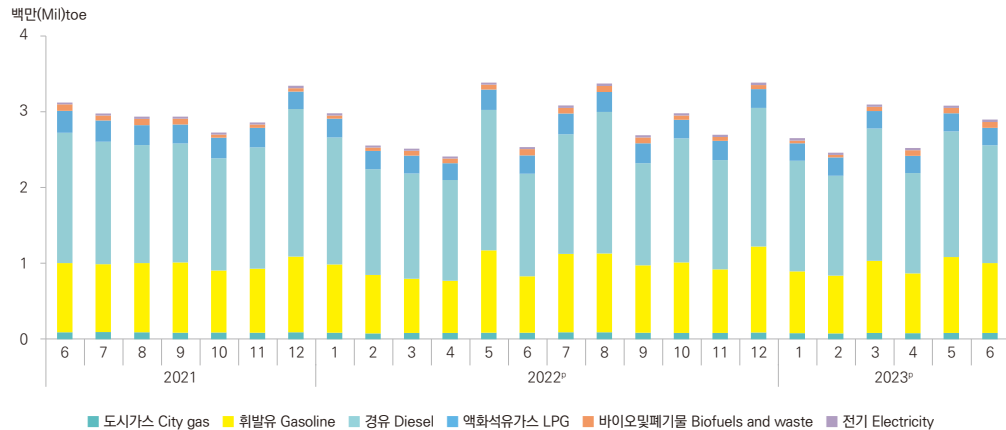
〈월별 Monthly〉



〈1990~2022^o〉



〈월별 Monthly〉



2.3.2 수송

Transport

| | | 합계 | 도시가스 | 석유제품 | 휘발유 | 경유 | 액화석유가스 | 바이오및폐기물 ¹ | 전기 |
|-------------------|-----|-----------|----------|-----------|----------|--------|--------|---------------------------------|-------------|
| | | Total | City gas | Petroleum | Gasoline | Diesel | LPG | Biofuels and waste ¹ | Electricity |
| | | 1,000 toe | | | | | | | |
| 1990 | | 12,141 | 0 | 12,054 | 2,934 | 7,641 | 1,221 | 0 | 87 |
| 1995 | | 22,920 | 0 | 22,765 | 7,527 | 12,409 | 1,765 | 0 | 155 |
| 2000 | | 25,007 | 0 | 24,832 | 7,884 | 12,909 | 3,453 | 0 | 175 |
| 2001 | | 26,226 | 7 | 26,024 | 7,848 | 13,554 | 3,946 | 0 | 194 |
| 2002 | | 28,008 | 80 | 27,733 | 7,961 | 14,794 | 4,228 | 0 | 195 |
| 2003 | | 29,002 | 146 | 28,656 | 7,633 | 15,842 | 4,415 | 0 | 200 |
| 2004 | | 29,178 | 237 | 28,729 | 7,335 | 16,117 | 4,566 | 0 | 213 |
| 2005 | | 29,730 | 339 | 29,167 | 7,618 | 16,141 | 4,677 | 0 | 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 | 28,858 | 7,745 | 14,942 | 5,191 | 177 | 196 |
| 2009 | | 30,389 | 960 | 28,982 | 8,106 | 14,507 | 5,332 | 261 | 187 |
| 2010 | | 31,010 | 1,112 | 29,352 | 8,498 | 14,571 | 5,294 | 357 | 188 |
| 2011 | | 31,016 | 1,174 | 29,302 | 8,579 | 14,547 | 5,036 | 347 | 193 |
| 2012 | | 31,502 | 1,246 | 29,706 | 8,612 | 14,789 | 4,863 | 357 | 194 |
| 2013 | | 32,017 | 1,302 | 30,154 | 8,802 | 15,558 | 4,755 | 375 | 186 |
| 2014 | | 32,407 | 1,306 | 30,534 | 8,805 | 15,956 | 4,455 | 394 | 172 |
| 2015 | | 34,510 | 1,281 | 32,597 | 9,186 | 17,364 | 4,405 | 441 | 191 |
| 2016 | | 36,030 | 1,270 | 34,006 | 9,512 | 18,729 | 4,209 | 523 | 231 |
| 2017 | | 36,261 | 1,253 | 34,197 | 9,625 | 19,054 | 3,930 | 564 | 246 |
| 2018 | | 36,227 | 1,238 | 34,038 | 9,649 | 19,143 | 3,664 | 686 | 265 |
| 2019 | | 37,194 | 1,216 | 35,022 | 10,050 | 19,761 | 3,608 | 685 | 271 |
| 2020 | | 34,746 | 1,099 | 32,667 | 9,858 | 18,865 | 3,140 | 695 | 285 |
| 2021 | | 36,636 | 1,060 | 34,554 | 10,354 | 19,247 | 3,033 | 704 | 318 |
| 2022 ^p | | 36,353 | 1,025 | 34,238 | 10,714 | 18,587 | 2,999 | 743 | 346 |
| 2021 | | | | | | | | | |
| | 6 | 3,279 | 91 | 3,078 | 908 | 1,711 | 288 | 84 | 25 |
| | 7 | 3,129 | 96 | 2,941 | 890 | 1,607 | 278 | 65 | 27 |
| | 8 | 3,069 | 92 | 2,865 | 909 | 1,546 | 261 | 83 | 28 |
| | 9 | 3,089 | 86 | 2,901 | 922 | 1,562 | 250 | 75 | 26 |
| | 10 | 2,898 | 88 | 2,745 | 816 | 1,471 | 272 | 39 | 26 |
| | 11 | 3,005 | 87 | 2,847 | 839 | 1,592 | 255 | 44 | 27 |
| | 12 | 3,485 | 91 | 3,318 | 995 | 1,934 | 230 | 46 | 30 |
| 2022 ^p | | | | | | | | | |
| | 1 | 3,172 | 86 | 3,016 | 895 | 1,666 | 249 | 40 | 30 |
| | 2 | 2,699 | 77 | 2,551 | 766 | 1,388 | 239 | 44 | 27 |
| | 3 | 2,664 | 84 | 2,488 | 711 | 1,381 | 234 | 66 | 26 |
| | 4 | 2,513 | 83 | 2,342 | 683 | 1,322 | 222 | 62 | 26 |
| | 5 | 3,509 | 87 | 3,331 | 1,080 | 1,841 | 270 | 64 | 27 |
| | 6 | 2,703 | 85 | 2,508 | 743 | 1,345 | 240 | 82 | 28 |
| | 7 | 3,219 | 92 | 3,022 | 1,028 | 1,568 | 275 | 73 | 31 |
| | 8 | 3,558 | 91 | 3,357 | 1,036 | 1,856 | 263 | 77 | 33 |
| | 9 | 2,847 | 85 | 2,656 | 885 | 1,338 | 262 | 76 | 30 |
| | 10 | 3,140 | 84 | 2,969 | 923 | 1,628 | 244 | 58 | 28 |
| | 11 | 2,825 | 83 | 2,664 | 834 | 1,434 | 254 | 49 | 30 |
| | 12 | 3,505 | 87 | 3,333 | 1,130 | 1,818 | 247 | 52 | 31 |
| 2023 ^p | | | | | | | | | |
| | 1 | 2,802 | 81 | 2,652 | 810 | 1,453 | 228 | 36 | 33 |
| | 2 | 2,574 | 76 | 2,435 | 759 | 1,311 | 241 | 32 | 31 |
| | 3 | 3,228 | 83 | 3,059 | 945 | 1,738 | 229 | 57 | 30 |
| | 4 | 2,647 | 80 | 2,463 | 785 | 1,315 | 225 | 74 | 29 |
| | 5 | 3,191 | 84 | 3,007 | 996 | 1,648 | 237 | 69 | 31 |
| | 6 | 2,954 | 84 | 2,764 | 915 | 1,546 | 230 | 75 | 32 |
| 2022 ^p | 1-6 | 17,259 | 502 | 16,237 | 4,879 | 8,945 | 1,454 | 358 | 163 |
| 2023 ^p | 1-6 | 17,397 | 487 | 16,380 | 5,210 | 9,010 | 1,390 | 343 | 186 |

주: 합계에는 항공유, 중유 및 기타 석유제품 포함

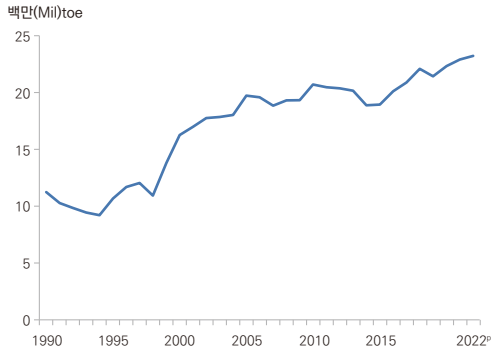
Note: Total includes jet oil, fuel oil and other petroleum products

1. 바이오디젤

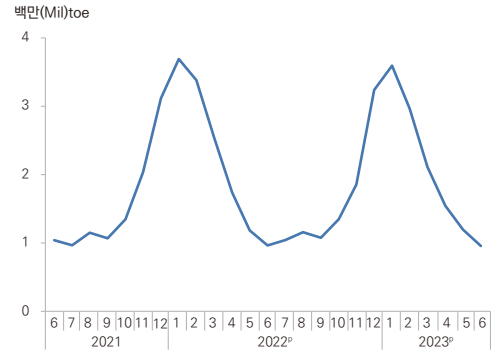
1. Biodiesel

● 가정 Residential

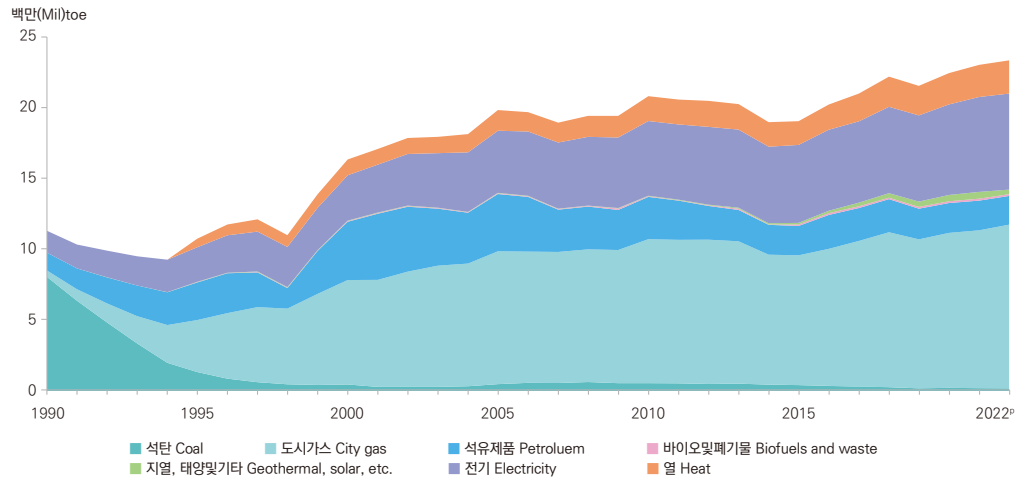
〈1990~2022^p〉



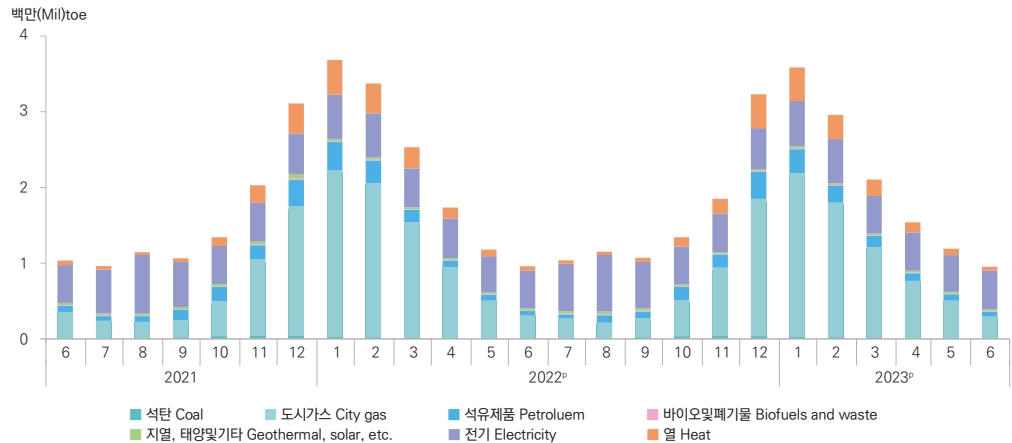
〈월별 Monthly〉



〈1990~2022^p〉



〈월별 Monthly〉



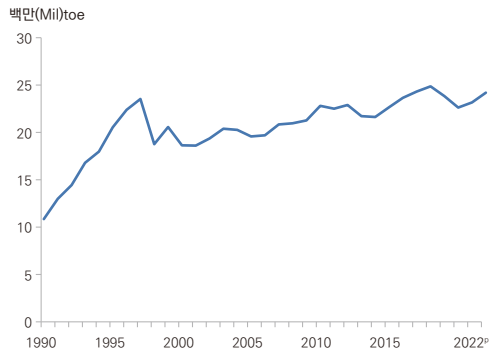
2.3.3 가정

Residential

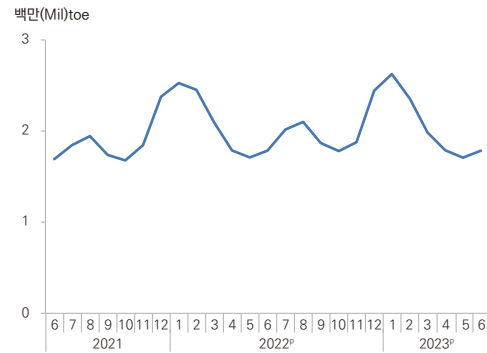
| | | 합계 Total | 석탄 Coal | 도시가스 City gas | 석유제품 Petroleum | 바이오및폐기물 Biofuels and waste | 지열,태양및기타 Geothermal, solar, etc. | 전기 Electricity | 열 Heat |
|-------------------|-----|-------------|------------|------------------|-------------------|----------------------------------|--|-------------------|-----------|
| | | 1,000 toe | | | | | | | |
| 1990 | | 11,262 | 8,023 | 454 | 1,254 | - | 6 | 1,525 | - |
| 1995 | | 10,712 | 1,327 | 3,655 | 2,656 | 20 | 17 | 2,434 | 603 |
| 2000 | | 16,284 | 450 | 7,353 | 4,099 | 43 | 35 | 3,191 | 1,113 |
| 2001 | | 17,020 | 288 | 7,526 | 4,658 | 42 | 31 | 3,372 | 1,102 |
| 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 | | 18,064 | 325 | 8,636 | 3,574 | 34 | 31 | 4,181 | 1,283 |
| 2005 | | 19,754 | 483 | 9,344 | 4,024 | 49 | 30 | 4,375 | 1,449 |
| 2006 | | 19,613 | 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 | | 20,496 | 531 | 10,100 | 2,757 | 28 | 43 | 5,295 | 1,743 |
| 2012 | | 20,407 | 489 | 10,147 | 2,384 | 38 | 53 | 5,464 | 1,832 |
| 2013 | | 20,185 | 507 | 10,024 | 2,199 | 91 | 66 | 5,501 | 1,797 |
| 2014 | | 18,905 | 446 | 9,141 | 2,097 | 23 | 89 | 5,390 | 1,720 |
| 2015 | | 18,971 | 410 | 9,130 | 2,064 | 107 | 110 | 5,486 | 1,663 |
| 2016 | | 20,140 | 351 | 9,647 | 2,382 | 121 | 178 | 5,691 | 1,771 |
| 2017 | | 20,918 | 307 | 10,238 | 2,323 | 123 | 252 | 5,720 | 1,955 |
| 2018 | | 22,114 | 258 | 10,901 | 2,335 | 106 | 311 | 6,079 | 2,125 |
| 2019 | | 21,466 | 186 | 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 ^p | | 23,260 | 183 | 11,513 | 2,026 | 122 | 323 | 6,756 | 2,337 |
| 2021 | 6 | 1,040 | 3 | 355 | 81 | 8 | 31 | 502 | 60 |
| | 7 | 966 | 3 | 237 | 62 | 8 | 29 | 582 | 46 |
| | 8 | 1,151 | 3 | 222 | 76 | 7 | 28 | 776 | 38 |
| | 9 | 1,069 | 14 | 233 | 138 | 8 | 30 | 596 | 50 |
| | 10 | 1,348 | 33 | 467 | 189 | 8 | 29 | 508 | 115 |
| | 11 | 2,040 | 37 | 1,018 | 187 | 10 | 38 | 515 | 235 |
| | 12 | 3,126 | 38 | 1,725 | 346 | 17 | 63 | 535 | 403 |
| 2022 ^p | 1 | 3,703 | 22 | 2,213 | 381 | 11 | 28 | 590 | 459 |
| | 2 | 3,392 | 15 | 2,053 | 301 | 11 | 28 | 588 | 397 |
| | 3 | 2,544 | 12 | 1,535 | 164 | 9 | 25 | 518 | 280 |
| | 4 | 1,743 | 7 | 946 | 86 | 9 | 25 | 524 | 145 |
| | 5 | 1,184 | 4 | 502 | 78 | 9 | 23 | 482 | 86 |
| | 6 | 963 | 3 | 311 | 59 | 9 | 24 | 500 | 57 |
| | 7 | 1,042 | 4 | 266 | 54 | 11 | 30 | 631 | 46 |
| | 8 | 1,158 | 4 | 209 | 101 | 14 | 36 | 750 | 45 |
| | 9 | 1,075 | 14 | 259 | 90 | 11 | 30 | 618 | 53 |
| | 10 | 1,348 | 30 | 480 | 179 | 9 | 24 | 504 | 122 |
| | 11 | 1,859 | 35 | 911 | 174 | 9 | 24 | 509 | 196 |
| | 12 | 3,249 | 32 | 1,828 | 360 | 10 | 26 | 542 | 452 |
| 2023 ^p | 1 | 3,604 | 21 | 2,183 | 316 | 11 | 28 | 601 | 445 |
| | 2 | 2,974 | 18 | 1,790 | 222 | 11 | 27 | 584 | 322 |
| | 3 | 2,116 | 12 | 1,207 | 147 | 9 | 24 | 498 | 219 |
| | 4 | 1,547 | 6 | 764 | 101 | 9 | 24 | 511 | 133 |
| | 5 | 1,198 | 4 | 502 | 87 | 8 | 23 | 488 | 85 |
| | 6 | 956 | 2 | 291 | 62 | 9 | 26 | 512 | 54 |
| 2022 ^p | 1-6 | 13,529 | 64 | 7,560 | 1,069 | 58 | 153 | 3,202 | 1,423 |
| 2023 ^p | 1-6 | 12,394 | 61 | 6,737 | 935 | 58 | 153 | 3,194 | 1,257 |

● 상업·공공 Commercial & Public

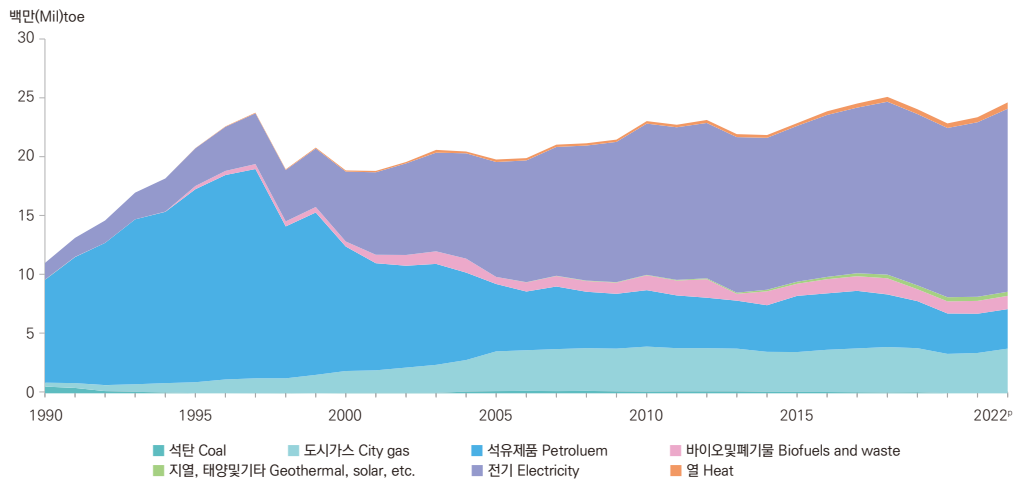
〈1990~2022^p〉



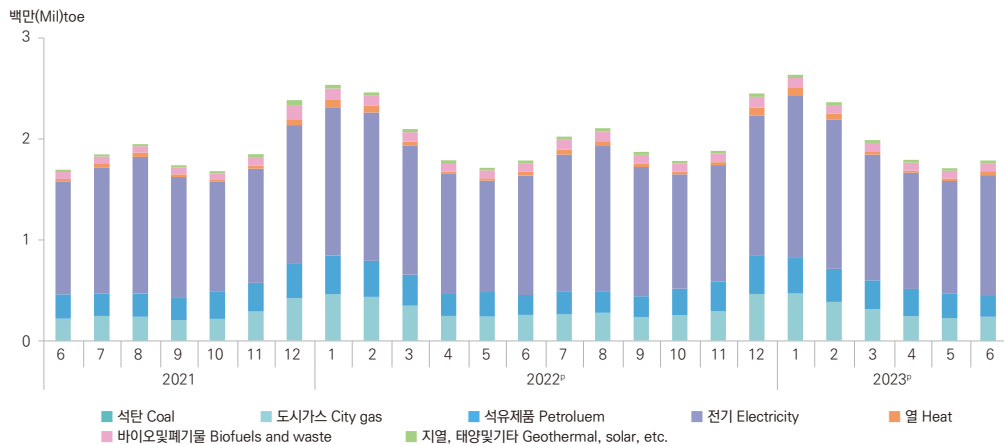
〈월별 Monthly〉



〈1990~2022^p〉



〈월별 Monthly〉



2.3.4 상업·공공

Commercial & Public

| | | 합계 ¹ Total ¹ | 석탄 Coal | 도시가스 City gas | 석유제품 Petroleum | 바이오및폐기물 Biofuels and waste | 지열,태양및기타 Geothermal, solar, etc. | 전기 Electricity | 열 Heat |
|-------------------|-----|---------------------------------------|------------|------------------|-------------------|-------------------------------|-------------------------------------|-------------------|-----------|
| | | 1,000 toe | | | | | | | |
| 1990 | | 10,948 | 563 | 323 | 8,642 | 6 | 5 | 1,409 | - |
| 1995 | | 20,600 | 5 | 935 | 16,202 | 261 | 6 | 3,159 | 34 |
| 2000 | | 18,704 | 21 | 1,849 | 10,449 | 421 | 9 | 5,860 | 95 |
| 2001 | | 18,671 | 35 | 1,886 | 8,996 | 710 | 7 | 6,921 | 115 |
| 2002 | | 19,416 | 35 | 2,132 | 8,547 | 897 | 7 | 7,693 | 106 |
| 2003 | | 20,448 | 34 | 2,358 | 8,474 | 1,043 | 7 | 8,283 | 244 |
| 2004 | | 20,312 | 140 | 2,656 | 7,341 | 1,163 | 11 | 8,829 | 166 |
| 2005 | | 19,625 | 191 | 3,333 | 5,663 | 580 | 12 | 9,643 | 202 |
| 2006 | | 19,745 | 208 | 3,409 | 4,930 | 765 | 18 | 10,234 | 182 |
| 2007 | | 20,879 | 186 | 3,534 | 5,254 | 882 | 24 | 10,814 | 185 |
| 2008 | | 21,005 | 194 | 3,592 | 4,734 | 903 | 37 | 11,346 | 198 |
| 2009 | | 21,297 | 157 | 3,591 | 4,604 | 928 | 39 | 11,779 | 189 |
| 2010 | | 22,857 | 143 | 3,785 | 4,735 | 1,233 | 51 | 12,694 | 211 |
| 2011 | | 22,554 | 163 | 3,630 | 4,426 | 1,239 | 65 | 12,819 | 211 |
| 2012 | | 22,948 | 157 | 3,628 | 4,245 | 1,543 | 78 | 13,044 | 252 |
| 2013 | | 21,772 | 162 | 3,586 | 4,027 | 580 | 103 | 13,061 | 252 |
| 2014 | | 21,679 | 132 | 3,357 | 3,916 | 1,156 | 146 | 12,754 | 218 |
| 2015 | | 22,692 | 118 | 3,355 | 4,706 | 1,016 | 182 | 13,073 | 242 |
| 2016 | | 23,686 | 101 | 3,555 | 4,734 | 1,189 | 196 | 13,605 | 304 |
| 2017 | | 24,333 | 88 | 3,677 | 4,841 | 1,223 | 247 | 13,909 | 345 |
| 2018 | | 24,890 | 74 | 3,812 | 4,419 | 1,354 | 302 | 14,516 | 410 |
| 2019 | | 23,850 | 85 | 3,708 | 3,948 | 988 | 335 | 14,393 | 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 ^p | | 24,392 | 17 | 3,727 | 3,290 | 1,099 | 356 | 15,367 | 535 |
| 2021 | 6 | 1,687 | 0 | 217 | 241 | 68 | 23 | 1,109 | 29 |
| | 7 | 1,839 | 0 | 245 | 218 | 65 | 22 | 1,243 | 46 |
| | 8 | 1,941 | 0 | 235 | 230 | 63 | 21 | 1,350 | 43 |
| | 9 | 1,732 | 1 | 202 | 220 | 67 | 22 | 1,193 | 27 |
| | 10 | 1,672 | 3 | 213 | 267 | 64 | 21 | 1,085 | 19 |
| | 11 | 1,841 | 3 | 284 | 283 | 84 | 28 | 1,127 | 30 |
| | 12 | 2,373 | 4 | 415 | 347 | 140 | 47 | 1,361 | 60 |
| 2022 ^p | 1 | 2,526 | 2 | 456 | 382 | 109 | 35 | 1,463 | 78 |
| | 2 | 2,451 | 1 | 432 | 355 | 100 | 32 | 1,465 | 66 |
| | 3 | 2,088 | 1 | 345 | 306 | 93 | 30 | 1,271 | 41 |
| | 4 | 1,781 | 1 | 243 | 227 | 85 | 28 | 1,177 | 21 |
| | 5 | 1,706 | 0 | 237 | 243 | 78 | 25 | 1,099 | 23 |
| | 6 | 1,778 | 0 | 255 | 196 | 83 | 27 | 1,178 | 38 |
| | 7 | 2,013 | 0 | 258 | 225 | 96 | 31 | 1,353 | 51 |
| | 8 | 2,097 | 0 | 275 | 213 | 96 | 31 | 1,432 | 49 |
| | 9 | 1,863 | 1 | 233 | 204 | 89 | 28 | 1,275 | 32 |
| | 10 | 1,774 | 3 | 249 | 262 | 80 | 26 | 1,128 | 26 |
| | 11 | 1,874 | 3 | 287 | 294 | 84 | 27 | 1,147 | 30 |
| | 12 | 2,441 | 3 | 458 | 383 | 104 | 34 | 1,378 | 80 |
| 2023 ^p | 1 | 2,624 | 2 | 463 | 353 | 100 | 31 | 1,598 | 78 |
| | 2 | 2,353 | 2 | 380 | 327 | 87 | 28 | 1,475 | 54 |
| | 3 | 1,979 | 1 | 308 | 287 | 82 | 27 | 1,240 | 34 |
| | 4 | 1,784 | 1 | 241 | 270 | 79 | 26 | 1,148 | 19 |
| | 5 | 1,702 | 0 | 224 | 243 | 76 | 24 | 1,109 | 25 |
| | 6 | 1,779 | 0 | 237 | 205 | 77 | 29 | 1,192 | 40 |
| 2022 ^p | 1-6 | 12,330 | 6 | 1,967 | 1,709 | 549 | 179 | 7,653 | 267 |
| 2023 ^p | 1-6 | 12,222 | 6 | 1,853 | 1,684 | 500 | 164 | 7,762 | 251 |

1. 수력 포함

1. Total 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 | | 71,150 | 7,910 | 12,141 | 2,304 | 48,795 |
| 1995 | | 116,508 | 13,677 | 22,920 | 15,581 | 64,330 |
| 2000 | | 140,958 | 20,098 | 25,007 | 25,572 | 70,281 |
| 2001 | | 143,589 | 21,627 | 26,226 | 25,505 | 70,231 |
| 2002 | | 150,381 | 23,389 | 28,008 | 26,995 | 71,990 |
| 2003 | | 153,972 | 24,596 | 29,002 | 28,574 | 71,800 |
| 2004 | | 155,678 | 26,140 | 29,178 | 28,526 | 71,834 |
| 2005 | | 158,478 | 27,848 | 29,730 | 29,604 | 71,297 |
| 2006 | | 162,528 | 29,209 | 30,928 | 30,865 | 71,526 |
| 2007 | | 167,225 | 30,899 | 30,496 | 33,776 | 72,054 |
| 2008 | | 168,469 | 32,271 | 30,007 | 33,274 | 72,917 |
| 2009 | | 169,567 | 33,048 | 30,389 | 35,629 | 70,501 |
| 2010 | | 184,581 | 36,406 | 31,010 | 38,017 | 79,148 |
| 2011 | | 193,726 | 38,132 | 31,016 | 39,399 | 85,180 |
| 2012 | | 193,771 | 39,070 | 31,502 | 41,129 | 82,070 |
| 2013 | | 195,292 | 39,756 | 32,017 | 42,063 | 81,455 |
| 2014 | | 195,889 | 39,931 | 32,407 | 43,166 | 80,385 |
| 2015 | | 199,347 | 40,440 | 34,510 | 44,249 | 80,148 |
| 2016 | | 207,553 | 41,461 | 36,030 | 47,769 | 82,292 |
| 2017 | | 212,431 | 42,340 | 36,261 | 49,983 | 83,848 |
| 2018 | | 214,001 | 43,884 | 36,227 | 49,288 | 84,602 |
| 2019 | | 211,733 | 43,378 | 37,194 | 49,440 | 81,721 |
| 2020 | | 203,747 | 42,447 | 34,746 | 45,743 | 80,811 |
| 2021 | | 215,664 | 44,430 | 36,636 | 50,069 | 84,530 |
| 2022 ^p | | 214,004 | 45,693 | 36,353 | 49,261 | 82,697 |
| 2021 | 6 | 16,748 | 3,497 | 3,279 | 3,937 | 6,035 |
| | 7 | 17,219 | 3,826 | 3,129 | 4,311 | 5,952 |
| | 8 | 17,480 | 4,081 | 3,069 | 4,491 | 5,840 |
| | 9 | 17,160 | 3,733 | 3,089 | 4,387 | 5,952 |
| | 10 | 16,808 | 3,480 | 2,898 | 4,089 | 6,340 |
| | 11 | 17,902 | 3,560 | 3,005 | 3,973 | 7,364 |
| | 12 | 21,217 | 3,925 | 3,485 | 4,815 | 8,992 |
| 2022 ^p | 1 | 21,568 | 4,160 | 3,172 | 4,637 | 9,600 |
| | 2 | 19,071 | 3,972 | 2,699 | 3,922 | 8,479 |
| | 3 | 18,671 | 3,818 | 2,664 | 4,516 | 7,672 |
| | 4 | 16,831 | 3,648 | 2,513 | 4,395 | 6,275 |
| | 5 | 17,316 | 3,517 | 3,509 | 4,034 | 6,256 |
| | 6 | 15,901 | 3,590 | 2,703 | 3,797 | 5,811 |
| | 7 | 17,509 | 4,048 | 3,219 | 4,459 | 5,784 |
| | 8 | 17,718 | 4,189 | 3,558 | 4,152 | 5,819 |
| | 9 | 15,773 | 3,783 | 2,847 | 3,806 | 5,337 |
| | 10 | 16,234 | 3,525 | 3,140 | 3,552 | 6,017 |
| | 11 | 16,924 | 3,536 | 2,825 | 3,857 | 6,705 |
| | 12 | 20,488 | 3,909 | 3,505 | 4,134 | 8,940 |
| 2023 ^p | 1 | 20,053 | 4,281 | 2,802 | 4,148 | 8,822 |
| | 2 | 18,063 | 4,007 | 2,574 | 3,724 | 7,758 |
| | 3 | 18,249 | 3,679 | 3,228 | 4,268 | 7,075 |
| | 4 | 15,920 | 3,531 | 2,647 | 3,661 | 6,082 |
| | 5 | 16,258 | 3,449 | 3,191 | 3,712 | 5,906 |
| | 6 | 15,639 | 3,598 | 2,954 | 3,485 | 5,602 |
| 2022 ^p | 1-6 | 109,358 | 22,704 | 17,259 | 25,301 | 44,094 |
| 2023 ^p | 1-6 | 104,183 | 22,545 | 17,397 | 22,999 | 41,243 |

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

1. Thermal energy.

3. 석 탄

Coal

3.1 무연탄 수급

Anthracite Overview

3.2 무연탄 소비

Anthracite Consumption

3.3 유연탄 및 기타 수급

Bituminous and Other Coal Overview

3.4 유연탄 및 기타 수입

Bituminous and Other Coal Imports

3.5 유연탄 소비

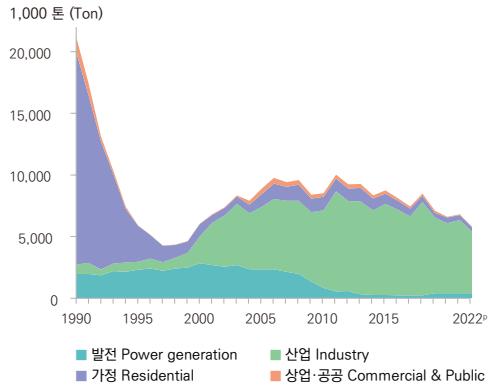
Bituminous Coal Consumption



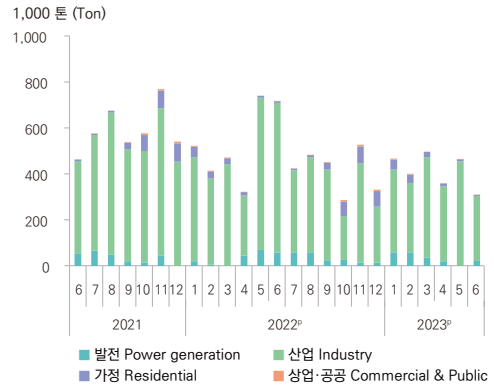
03

● 무연탄 소비 Anthracite Consumption

〈1990~2022^p〉

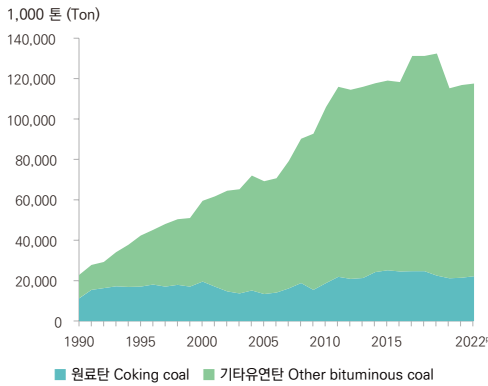


〈월별 Monthly〉

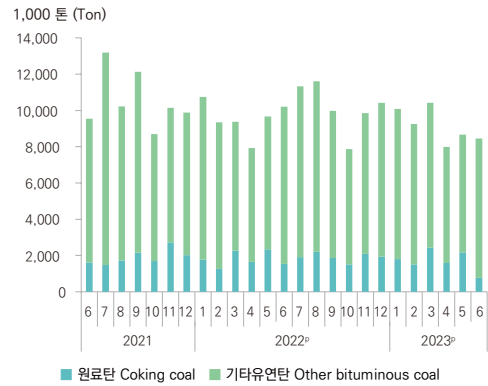


● 유연탄 수입 Bituminous Coal Imports

〈1990~2022^p〉

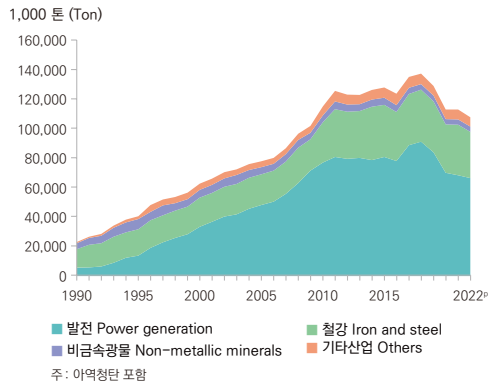


〈월별 Monthly〉

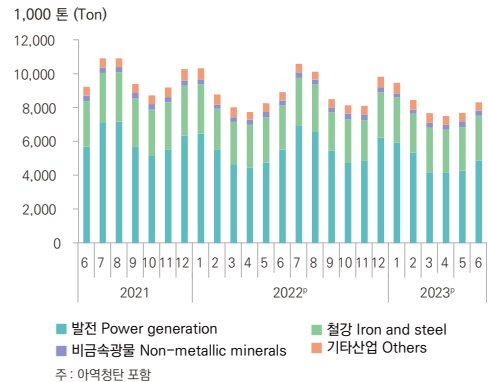


● 유연탄 소비 Bituminous Coal Consumption

〈1990~2022^p〉



〈월별 Monthly〉



3.1 무연탄 수급

Anthracite Overview

| | | 생산 | 수입 | 재고 | | | 일차에너지공급 | | | 발전 | 최종소비 |
|-------------------|-----|------------|---------|--------|----------|----------|---------|----------|----------|------------------|--------|
| | | Production | Imports | Stock | 국내무연탄 | 수입무연탄 | TPES | 국내무연탄 | 수입무연탄 | Power generation | TFC |
| | | | | | Domestic | Imported | | Domestic | Imported | | |
| | | 1,000 ton | | | | | | | | | |
| 1990 | | 17,217 | 1,072 | 8,013 | 6,514 | 1,499 | 20,324 | 19,035 | 1,289 | 2,013 | 19,314 |
| 1995 | | 5,720 | 723 | 8,492 | 7,422 | 1,070 | 5,720 | 5,088 | 632 | 2,429 | 3,603 |
| 2000 | | 4,150 | 2,038 | 10,774 | 9,903 | 871 | 6,151 | 4,110 | 2,041 | 2,850 | 3,230 |
| 2001 | | 3,817 | 3,110 | 10,576 | 9,709 | 867 | 7,125 | 4,011 | 3,114 | 2,875 | 4,154 |
| 2002 | | 3,318 | 3,879 | 10,101 | 9,282 | 819 | 7,672 | 3,745 | 3,927 | 2,751 | 4,862 |
| 2003 | | 3,298 | 4,640 | 9,527 | 8,728 | 799 | 8,512 | 3,852 | 4,660 | 2,880 | 5,661 |
| 2004 | | 3,191 | 4,251 | 8,894 | 8,222 | 672 | 8,069 | 3,697 | 4,372 | 2,415 | 5,578 |
| 2005 | | 2,832 | 4,567 | 7,388 | 6,839 | 549 | 8,900 | 4,215 | 4,685 | 2,359 | 6,571 |
| 2006 | | 2,824 | 5,113 | 5,551 | 5,062 | 489 | 9,773 | 4,601 | 5,172 | 2,356 | 7,440 |
| 2007 | | 2,886 | 5,444 | 4,231 | 3,953 | 278 | 9,647 | 3,995 | 5,652 | 2,392 | 7,298 |
| 2008 | | 2,773 | 5,955 | 2,797 | 2,677 | 120 | 10,140 | 4,049 | 6,091 | 2,534 | 7,670 |
| 2009 | | 2,519 | 6,468 | 2,226 | 2,110 | 116 | 9,557 | 3,086 | 6,471 | 2,690 | 7,078 |
| 2010 | | 2,084 | 7,406 | 1,853 | 1,779 | 74 | 9,858 | 2,415 | 7,443 | 2,404 | 7,700 |
| 2011 | | 2,084 | 8,816 | 1,720 | 1,663 | 57 | 11,013 | 2,200 | 8,813 | 1,659 | 9,523 |
| 2012 | | 2,094 | 8,055 | 1,628 | 1,554 | 74 | 10,230 | 2,203 | 8,027 | 1,797 | 8,682 |
| 2013 | | 1,815 | 8,482 | 1,457 | 1,342 | 115 | 10,450 | 2,027 | 8,423 | 1,729 | 8,994 |
| 2014 | | 1,748 | 8,294 | 1,610 | 1,484 | 126 | 9,862 | 1,606 | 8,256 | 2,044 | 8,129 |
| 2015 | | 1,764 | 8,938 | 1,798 | 1,731 | 67 | 10,493 | 1,517 | 8,976 | 2,125 | 8,533 |
| 2016 | | 1,726 | 9,424 | 2,151 | 2,088 | 63 | 10,796 | 1,369 | 9,427 | 2,528 | 7,907 |
| 2017 | | 1,485 | 7,003 | 2,441 | 2,391 | 50 | 8,198 | 1,182 | 7,016 | 1,079 | 7,239 |
| 2018 | | 1,202 | 8,201 | 2,589 | 2,511 | 78 | 9,248 | 1,082 | 8,166 | 992 | 8,277 |
| 2019 | | 1,084 | 6,858 | 2,650 | 2,629 | 21 | 7,881 | 966 | 6,915 | 1,165 | 6,737 |
| 2020 | | 1,019 | 6,286 | 2,772 | 2,768 | 4 | 7,183 | 880 | 6,303 | 971 | 6,221 |
| 2021 | | 898 | 6,475 | 2,810 | 2,806 | 4 | 7,334 | 860 | 6,474 | 900 | 6,424 |
| 2022 ^p | | 820 | 5,384 | 2,807 | 2,803 | 4 | 6,207 | 823 | 5,384 | 912 | 5,298 |
| 2021 | 6 | 82 | 398 | 2,888 | 2,884 | 4 | 456 | 58 | 398 | 70 | 408 |
| | 7 | 79 | 555 | 2,888 | 2,884 | 4 | 634 | 79 | 555 | 121 | 509 |
| | 8 | 61 | 717 | 2,897 | 2,893 | 4 | 769 | 52 | 717 | 121 | 626 |
| | 9 | 63 | 492 | 2,918 | 2,914 | 4 | 534 | 42 | 492 | 30 | 519 |
| | 10 | 75 | 516 | 2,900 | 2,896 | 4 | 609 | 93 | 516 | 44 | 561 |
| | 11 | 80 | 739 | 2,831 | 2,827 | 4 | 888 | 149 | 739 | 109 | 723 |
| | 12 | 77 | 438 | 2,810 | 2,806 | 4 | 536 | 98 | 438 | - | 542 |
| 2022 ^p | 1 | 72 | 450 | 2,823 | 2,819 | 4 | 509 | 59 | 450 | 21 | 503 |
| | 2 | 60 | 373 | 2,847 | 2,843 | 4 | 408 | 36 | 372 | 6 | 409 |
| | 3 | 76 | 458 | 2,898 | 2,894 | 4 | 483 | 25 | 458 | 0 | 472 |
| | 4 | 76 | 300 | 2,895 | 2,891 | 4 | 379 | 79 | 300 | 122 | 278 |
| | 5 | 72 | 744 | 2,887 | 2,883 | 4 | 824 | 80 | 744 | 83 | 671 |
| | 6 | 71 | 742 | 2,906 | 2,902 | 4 | 794 | 52 | 742 | 79 | 659 |
| | 7 | 68 | 407 | 2,896 | 2,892 | 4 | 485 | 78 | 407 | 136 | 365 |
| | 8 | 61 | 481 | 2,895 | 2,891 | 4 | 543 | 62 | 481 | 133 | 423 |
| | 9 | 62 | 443 | 2,893 | 2,889 | 4 | 507 | 64 | 443 | 62 | 427 |
| | 10 | 64 | 190 | 2,875 | 2,871 | 4 | 272 | 82 | 190 | 85 | 261 |
| | 11 | 69 | 496 | 2,841 | 2,837 | 4 | 599 | 103 | 496 | 63 | 513 |
| | 12 | 69 | 300 | 2,807 | 2,803 | 4 | 403 | 103 | 300 | 122 | 317 |
| 2023 ^p | 1 | 55 | 403 | 2,766 | 2,762 | 4 | 502 | 99 | 403 | 120 | 407 |
| | 2 | 63 | 345 | 2,749 | 2,745 | 4 | 425 | 80 | 345 | 121 | 342 |
| | 3 | 65 | 494 | 2,737 | 2,733 | 4 | 571 | 77 | 494 | 92 | 460 |
| | 4 | 56 | 306 | 2,759 | 2,755 | 4 | 340 | 34 | 306 | 20 | 340 |
| | 5 | 55 | 504 | 2,826 | 2,822 | 4 | 492 | -12 | 504 | 32 | 465 |
| | 6 | 56 | 282 | 2,844 | 2,840 | 4 | 320 | 38 | 282 | 58 | 288 |
| 2022 ^p | 1-6 | 427 | 3,067 | 2,906 | 2,902 | 4 | 3,398 | 331 | 3,067 | 312 | 2,992 |
| 2023 ^p | 1-6 | 350 | 2,333 | 2,844 | 2,840 | 4 | 2,649 | 316 | 2,333 | 444 | 2,301 |

자료: 한국무역협회, 대한석탄협회

Source: Korea International Trade Association, Korea Coal Association.

3.2 무연탄 소비

Anthracite Consumption

| | | 합계 ¹ | 발전 | | 최종소비 | | | | |
|-------------------|-----|--------------------|------------------|----------|----------|--------|----------|-------------|---------------------|
| | | Total ¹ | Power generation | 국내무연탄 | 수입무연탄 | TFC | 산업 | 가정 | 상업·공공 |
| | | | | Domestic | Imported | | Industry | Residential | Commercial & Public |
| 1,000 ton | | | | | | | | | |
| 1990 | | 21,327 | 2,013 | 1,983 | 30 | 19,314 | 754 | 17,343 | 1,218 |
| 1995 | | 6,032 | 2,429 | 2,321 | 108 | 3,603 | 650 | 2,942 | 11 |
| 2000 | | 6,080 | 2,850 | 2,850 | - | 3,230 | 2,183 | 1,000 | 47 |
| 2001 | | 7,029 | 2,875 | 2,689 | 186 | 4,154 | 3,436 | 639 | 78 |
| 2002 | | 7,612 | 2,751 | 2,558 | 193 | 4,862 | 4,175 | 611 | 75 |
| 2003 | | 8,541 | 2,880 | 2,710 | 170 | 5,661 | 4,966 | 619 | 76 |
| 2004 | | 7,992 | 2,415 | 2,356 | 59 | 5,578 | 4,552 | 717 | 308 |
| 2005 | | 8,931 | 2,359 | 2,354 | 5 | 6,571 | 5,091 | 1,060 | 420 |
| 2006 | | 9,796 | 2,356 | 2,356 | - | 7,440 | 5,736 | 1,250 | 454 |
| 2007 | | 9,690 | 2,392 | 2,156 | 236 | 7,298 | 5,775 | 1,143 | 379 |
| 2008 | | 10,204 | 2,534 | 1,960 | 574 | 7,670 | 5,989 | 1,285 | 396 |
| 2009 | | 9,768 | 2,690 | 1,360 | 1,330 | 7,078 | 5,640 | 1,119 | 319 |
| 2010 | | 10,104 | 2,404 | 839 | 1,565 | 7,700 | 6,310 | 1,100 | 290 |
| 2011 | | 11,182 | 1,659 | 543 | 1,116 | 9,523 | 8,138 | 1,060 | 325 |
| 2012 | | 10,479 | 1,797 | 591 | 1,206 | 8,682 | 7,315 | 1,036 | 332 |
| 2013 | | 10,722 | 1,729 | 323 | 1,406 | 8,994 | 7,571 | 1,079 | 344 |
| 2014 | | 10,173 | 2,044 | 250 | 1,794 | 8,129 | 6,908 | 943 | 278 |
| 2015 | | 10,658 | 2,125 | 245 | 1,880 | 8,533 | 7,422 | 864 | 247 |
| 2016 | | 10,436 | 2,528 | 240 | 2,288 | 7,907 | 6,962 | 736 | 210 |
| 2017 | | 8,317 | 1,079 | 235 | 844 | 7,239 | 6,425 | 633 | 181 |
| 2018 | | 9,269 | 992 | 230 | 762 | 8,277 | 7,589 | 535 | 153 |
| 2019 | | 7,902 | 1,165 | 400 | 765 | 6,737 | 6,171 | 388 | 178 |
| 2020 | | 7,193 | 971 | 400 | 571 | 6,221 | 5,715 | 462 | 44 |
| 2021 | | 7,324 | 900 | 400 | 500 | 6,424 | 5,977 | 409 | 39 |
| 2022 ^p | | 6,210 | 912 | 400 | 512 | 5,298 | 4,874 | 388 | 37 |
| | | | | | | | | | |
| 2021 | 6 | 478 | 70 | 55 | 15 | 408 | 402 | 5 | 1 |
| | 7 | 630 | 121 | 67 | 54 | 509 | 503 | 5 | 1 |
| | 8 | 747 | 121 | 50 | 71 | 626 | 618 | 7 | 1 |
| | 9 | 549 | 30 | 21 | 9 | 519 | 487 | 29 | 3 |
| | 10 | 605 | 44 | 15 | 29 | 561 | 486 | 69 | 7 |
| | 11 | 832 | 109 | 47 | 62 | 723 | 639 | 77 | 7 |
| | 12 | 542 | - | - | - | 542 | 454 | 80 | 8 |
| | | | | | | | | | |
| 2022 ^p | 1 | 524 | 21 | 21 | - | 503 | 452 | 46 | 4 |
| | 2 | 415 | 6 | 6 | - | 409 | 374 | 32 | 3 |
| | 3 | 472 | 0 | - | 0 | 472 | 443 | 26 | 2 |
| | 4 | 401 | 122 | 45 | 77 | 278 | 261 | 15 | 1 |
| | 5 | 754 | 83 | 70 | 13 | 671 | 662 | 8 | 1 |
| | 6 | 739 | 79 | 58 | 21 | 659 | 652 | 7 | 1 |
| | 7 | 501 | 136 | 60 | 76 | 365 | 356 | 8 | 1 |
| | 8 | 555 | 133 | 60 | 73 | 423 | 414 | 8 | 1 |
| | 9 | 489 | 62 | 25 | 37 | 427 | 394 | 30 | 3 |
| | 10 | 346 | 85 | 26 | 59 | 261 | 192 | 64 | 6 |
| | 11 | 576 | 63 | 14 | 49 | 513 | 432 | 74 | 7 |
| | 12 | 439 | 122 | 15 | 107 | 317 | 243 | 68 | 6 |
| | | | | | | | | | |
| 2023 ^p | 1 | 527 | 120 | 60 | 60 | 407 | 359 | 44 | 4 |
| | 2 | 462 | 121 | 60 | 61 | 342 | 301 | 37 | 4 |
| | 3 | 552 | 92 | 38 | 54 | 460 | 433 | 25 | 2 |
| | 4 | 360 | 20 | 20 | - | 340 | 327 | 12 | 1 |
| | 5 | 497 | 32 | - | 32 | 465 | 456 | 8 | 1 |
| | 6 | 347 | 58 | 22 | 36 | 288 | 283 | 5 | 0 |
| | | | | | | | | | |
| 2022 ^p | 1-6 | 3,304 | 312 | 200 | 112 | 2,992 | 2,844 | 136 | 13 |
| 2023 ^p | 1-6 | 2,745 | 444 | 200 | 244 | 2,301 | 2,159 | 130 | 12 |

1. 일차에너지소비
자료: 대한석탄협회

1. Total primary energy consumption
Source: Korea Coal Association.

3.3 유연탄 및 기타 수급

Bituminous and Other Coal Overview

| | | 수입 | 수출 | 재고 | 일차에너지공급 | | | 발전 | 최종소비 |
|-------------------|-----|---------|---------|-------|---------|-------------|-----------------------|------------------|--------|
| | | Imports | Exports | Stock | TPES | 원료탄 | 기타유연탄 | | |
| | | | | | | Coking coal | Other bituminous coal | Power generation | TFC |
| 1,000 ton | | | | | | | | | |
| 1990 | | 23,047 | 8 | - | 23,039 | 11,286 | 11,560 | 5,724 | 17,580 |
| 1995 | | 43,351 | 6 | - | 43,345 | 17,152 | 25,205 | 13,752 | 26,845 |
| 2000 | | 62,132 | 5 | 4,146 | 61,145 | 19,718 | 38,896 | 33,305 | 29,498 |
| 2001 | | 63,925 | 1 | 3,829 | 64,241 | 17,217 | 44,955 | 36,601 | 29,534 |
| 2002 | | 66,594 | 2 | 3,502 | 66,920 | 14,930 | 50,036 | 40,143 | 30,466 |
| 2003 | | 67,513 | 2 | 3,074 | 67,939 | 13,750 | 51,994 | 41,631 | 30,913 |
| 2004 | | 75,446 | 5 | 5,865 | 72,650 | 14,351 | 54,957 | 45,512 | 30,899 |
| 2005 | | 72,586 | 14 | 4,727 | 73,710 | 13,871 | 56,596 | 47,852 | 29,934 |
| 2006 | | 74,954 | 12 | 4,409 | 75,260 | 14,797 | 56,409 | 50,199 | 29,998 |
| 2007 | | 83,455 | 10 | 4,634 | 83,220 | 15,801 | 63,328 | 55,487 | 31,354 |
| 2008 | | 94,443 | 17 | 5,840 | 93,220 | 18,703 | 70,560 | 62,791 | 34,044 |
| 2009 | | 96,842 | 4 | 5,143 | 97,534 | 15,628 | 78,021 | 71,091 | 30,565 |
| 2010 | | 111,898 | 7 | 5,833 | 111,201 | 18,369 | 87,037 | 76,674 | 38,536 |
| 2011 | | 120,895 | 40 | 6,982 | 119,706 | 21,724 | 93,241 | 80,393 | 45,158 |
| 2012 | | 117,981 | 23 | 7,246 | 117,694 | 20,861 | 93,503 | 79,136 | 43,963 |
| 2013 | | 118,514 | 44 | 6,156 | 119,560 | 22,485 | 94,827 | 79,692 | 43,000 |
| 2014 | | 123,269 | 21 | 5,647 | 123,756 | 24,123 | 94,259 | 78,227 | 47,921 |
| 2015 | | 126,671 | 1 | 7,459 | 124,859 | 24,518 | 92,992 | 80,354 | 47,557 |
| 2016 | | 125,507 | 1 | 7,985 | 124,979 | 25,541 | 92,401 | 77,691 | 45,993 |
| 2017 | | 141,674 | 135 | 7,840 | 141,685 | 24,666 | 106,873 | 88,309 | 46,498 |
| 2018 | | 140,969 | 63 | 6,266 | 142,480 | 25,657 | 107,437 | 90,764 | 46,305 |
| 2019 | | 134,933 | 17 | 7,836 | 133,347 | 21,837 | 109,260 | 83,637 | 45,177 |
| 2020 | | 117,600 | 159 | 6,455 | 118,822 | 21,005 | 95,749 | 69,772 | 42,974 |
| 2021 | | 119,625 | 313 | 5,399 | 120,368 | 21,333 | 96,829 | 68,040 | 44,566 |
| 2022 ^p | | 120,179 | 28 | 5,886 | 119,665 | 22,198 | 95,067 | 66,212 | 41,585 |
| 2021 | 6 | 9,678 | 28 | 5,440 | 10,148 | 1,555 | 8,444 | 5,694 | 3,546 |
| | 7 | 13,374 | 25 | 6,173 | 12,616 | 1,654 | 10,741 | 7,151 | 3,772 |
| | 8 | 10,352 | 23 | 5,864 | 10,639 | 1,836 | 8,653 | 7,186 | 3,747 |
| | 9 | 12,330 | 25 | 6,927 | 11,242 | 1,903 | 9,104 | 5,677 | 3,753 |
| | 10 | 8,846 | 15 | 6,245 | 9,512 | 1,869 | 7,468 | 5,151 | 3,617 |
| | 11 | 10,383 | 0 | 6,185 | 10,443 | 2,602 | 7,552 | 5,516 | 3,760 |
| | 12 | 10,081 | 0 | 5,399 | 10,867 | 1,927 | 8,696 | 6,362 | 3,958 |
| 2022 ^p | 1 | 10,809 | 28 | 5,627 | 10,554 | 1,606 | 8,856 | 6,469 | 3,877 |
| | 2 | 9,561 | 0 | 5,162 | 10,026 | 1,578 | 8,182 | 5,510 | 3,305 |
| | 3 | 9,454 | 0 | 6,099 | 8,516 | 2,141 | 6,247 | 4,666 | 3,389 |
| | 4 | 8,205 | 0 | 5,924 | 8,380 | 1,606 | 6,461 | 4,455 | 3,332 |
| | 5 | 9,734 | 0 | 6,472 | 9,186 | 2,001 | 7,078 | 4,748 | 3,559 |
| | 6 | 10,396 | 0 | 6,191 | 10,677 | 2,056 | 8,387 | 5,520 | 3,428 |
| | 7 | 11,435 | 0 | 6,345 | 11,280 | 1,700 | 9,424 | 6,932 | 3,687 |
| | 8 | 11,811 | 0 | 6,458 | 11,699 | 2,183 | 9,255 | 6,615 | 3,570 |
| | 9 | 10,177 | 0 | 6,108 | 10,526 | 1,860 | 8,416 | 5,465 | 3,076 |
| | 10 | 7,996 | 0 | 6,181 | 7,924 | 1,855 | 5,905 | 4,740 | 3,439 |
| | 11 | 10,056 | 0 | 6,556 | 9,681 | 1,816 | 7,615 | 4,850 | 3,302 |
| | 12 | 10,545 | 0 | 5,886 | 11,214 | 1,798 | 9,240 | 6,242 | 3,619 |
| 2023 ^p | 1 | 10,279 | 0 | 6,064 | 9,614 | 2,902 | 6,473 | 5,949 | 3,549 |
| | 2 | 9,383 | 0 | 6,012 | 9,435 | 1,594 | 7,670 | 5,357 | 3,120 |
| | 3 | 10,615 | 0 | 6,871 | 9,756 | 2,292 | 7,219 | 4,185 | 3,534 |
| | 4 | 8,105 | 0 | 6,639 | 8,336 | 1,581 | 6,597 | 4,149 | 3,390 |
| | 5 | 8,793 | 0 | 6,608 | 8,824 | 2,044 | 6,621 | 4,296 | 3,418 |
| | 6 | 8,511 | 0 | 6,110 | 9,009 | 1,098 | 7,810 | 4,866 | 3,492 |
| 2022 ^p | 1-6 | 58,159 | 28 | 6,191 | 57,340 | 10,988 | 45,212 | 31,368 | 20,891 |
| 2023 ^p | 1-6 | 55,686 | 0 | 6,110 | 54,974 | 11,511 | 42,390 | 28,802 | 20,503 |

주: 유연탄 및 기타는 원료탄, 기타유연탄, 아역청탄, 갈탄, 토탄, 고행연료, 코크스임.

자료: 한국무역협회, 대한석탄협회

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

Source: Korea International Trade Association, Korea Coal Association.

3.4 유연탄 및 기타 수입

Bituminous and Other Coal Imports

| | | 합계 Total | 원료탄 Coking coal | 기타유연탄 Other bituminous coal | 아역청탄 Sub-Bituminous coal | 갈탄 Lignite/Brown coal | 토탄 Peat | 고형연료 Patent Fuel | 코크스 Coke Oven Coke |
|-------------------|-----|-------------|--------------------|--------------------------------|-----------------------------|--------------------------|------------|---------------------|-----------------------|
| | | 1,000 ton | | | | | | | |
| 1990 | | 23,047 | 11,286 | 11,560 | 0 | 35 | 21 | - | 145 |
| 1995 | | 43,351 | 17,152 | 25,207 | 755 | 5 | 12 | - | 221 |
| 2000 | | 62,132 | 19,568 | 40,032 | 2,207 | 2 | 18 | 0 | 305 |
| 2001 | | 63,925 | 17,109 | 44,748 | 1,772 | 1 | 23 | 0 | 272 |
| 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 ^p | | 120,179 | 22,266 | 95,485 | 2,016 | 0 | 110 | 0 | 302 |
| 2021 | | | | | | | | | |
| | 6 | 9,678 | 1,608 | 7,893 | 140 | 0 | 5 | - | 32 |
| | 7 | 13,374 | 1,478 | 11,649 | 214 | 0 | 5 | 0 | 27 |
| | 8 | 10,352 | 1,715 | 8,465 | 139 | - | 6 | - | 28 |
| | 9 | 12,330 | 2,144 | 9,926 | 204 | - | 33 | - | 23 |
| | 10 | 8,846 | 1,685 | 6,970 | 148 | - | 10 | 0 | 33 |
| | 11 | 10,383 | 2,713 | 7,380 | 211 | - | 38 | - | 41 |
| | 12 | 10,081 | 2,006 | 7,832 | 205 | - | 9 | - | 29 |
| 2022 ^p | | | | | | | | | |
| | 1 | 10,809 | 1,772 | 8,919 | 77 | 0 | 8 | - | 34 |
| | 2 | 9,561 | 1,264 | 8,030 | 235 | - | 8 | - | 24 |
| | 3 | 9,454 | 2,248 | 7,078 | 103 | 0 | 7 | 0 | 18 |
| | 4 | 8,205 | 1,634 | 6,258 | 279 | - | 5 | - | 28 |
| | 5 | 9,734 | 2,332 | 7,295 | 73 | - | 7 | - | 27 |
| | 6 | 10,396 | 1,532 | 8,630 | 209 | 0 | 4 | - | 21 |
| | 7 | 11,435 | 1,909 | 9,369 | 134 | - | 5 | - | 18 |
| | 8 | 11,811 | 2,186 | 9,364 | 202 | - | 32 | 0 | 27 |
| | 9 | 10,177 | 1,857 | 8,069 | 213 | - | 6 | - | 32 |
| | 10 | 7,996 | 1,505 | 6,326 | 136 | - | 11 | - | 18 |
| | 11 | 10,056 | 2,091 | 7,715 | 212 | 0 | 7 | 0 | 31 |
| | 12 | 10,545 | 1,936 | 8,431 | 144 | 0 | 10 | - | 23 |
| 2023 ^p | | | | | | | | | |
| | 1 | 10,279 | 1,794 | 8,245 | 214 | - | 7 | - | 18 |
| | 2 | 9,383 | 1,505 | 7,708 | 143 | - | 6 | - | 22 |
| | 3 | 10,615 | 2,415 | 7,955 | 216 | 0 | 8 | - | 21 |
| | 4 | 8,105 | 1,575 | 6,372 | 134 | - | 7 | - | 18 |
| | 5 | 8,793 | 2,157 | 6,477 | 137 | - | 5 | 0 | 16 |
| | 6 | 8,511 | 774 | 7,636 | 70 | 0 | 8 | - | 23 |
| 2022 ^p | 1-6 | 58,159 | 10,781 | 46,210 | 976 | 0 | 39 | 0 | 153 |
| 2023 ^p | 1-6 | 55,686 | 10,219 | 44,392 | 914 | 0 | 42 | 0 | 118 |

자료: 한국무역협회

Source: Korea International Trade Association

3.5 유연탄 소비

Bituminous Coal Consumption

| | | 합계 ¹ | 발전 ² | 산업 | | | |
|-------------------|-----|--------------------|-------------------------------|----------|--------|-------|-------|
| | | Total ¹ | Power generation ² | Industry | 철강 | 비금속광물 | 기타 |
| | | 1,000 ton | | | | | |
| 1990 | | 23,111 | 5,724 | 17,387 | 12,457 | 4,030 | 900 |
| 1995 | | 40,362 | 13,752 | 26,610 | 17,890 | 6,831 | 1,889 |
| 2000 | | 62,478 | 33,305 | 29,173 | 19,631 | 5,308 | 4,234 |
| 2001 | | 65,839 | 36,601 | 29,237 | 19,580 | 5,475 | 4,183 |
| 2002 | | 70,250 | 40,143 | 30,107 | 20,205 | 5,669 | 4,232 |
| 2003 | | 72,091 | 41,631 | 30,459 | 20,648 | 6,060 | 3,751 |
| 2004 | | 75,681 | 45,512 | 30,169 | 20,779 | 5,309 | 4,080 |
| 2005 | | 77,406 | 47,852 | 29,554 | 20,890 | 4,807 | 3,856 |
| 2006 | | 79,849 | 50,199 | 29,649 | 20,965 | 4,738 | 3,946 |
| 2007 | | 86,236 | 55,487 | 30,748 | 21,736 | 5,051 | 3,961 |
| 2008 | | 96,038 | 62,791 | 33,245 | 23,835 | 5,236 | 4,174 |
| 2009 | | 101,333 | 71,091 | 30,241 | 21,182 | 4,463 | 4,596 |
| 2010 | | 114,505 | 76,674 | 37,830 | 27,210 | 4,564 | 6,055 |
| 2011 | | 125,026 | 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 | | 125,638 | 78,227 | 47,411 | 36,070 | 4,916 | 6,425 |
| 2015 | | 127,386 | 80,354 | 47,032 | 35,310 | 4,650 | 7,072 |
| 2016 | | 123,216 | 77,691 | 45,524 | 33,079 | 4,591 | 7,854 |
| 2017 | | 134,430 | 88,309 | 46,121 | 34,601 | 4,175 | 7,344 |
| 2018 | | 136,681 | 90,764 | 45,917 | 35,107 | 3,709 | 7,101 |
| 2019 | | 128,434 | 83,637 | 44,797 | 34,316 | 3,989 | 6,492 |
| 2020 | | 112,511 | 69,772 | 42,740 | 32,690 | 3,404 | 6,646 |
| 2021 | | 112,435 | 68,040 | 44,395 | 34,096 | 3,649 | 6,651 |
| 2022 ^p | | 107,413 | 66,212 | 41,201 | 31,152 | 3,657 | 6,392 |
| | | | | | | | |
| 2021 | 6 | 9,231 | 5,694 | 3,537 | 2,702 | 311 | 523 |
| | 7 | 10,917 | 7,151 | 3,766 | 2,905 | 329 | 531 |
| | 8 | 10,922 | 7,186 | 3,736 | 2,906 | 310 | 520 |
| | 9 | 9,399 | 5,677 | 3,722 | 2,860 | 332 | 530 |
| | 10 | 8,740 | 5,151 | 3,589 | 2,734 | 327 | 528 |
| | 11 | 9,197 | 5,516 | 3,681 | 2,797 | 316 | 568 |
| | 12 | 10,282 | 6,362 | 3,920 | 2,945 | 306 | 669 |
| | | | | | | | |
| 2022 ^p | 1 | 10,331 | 6,469 | 3,862 | 2,913 | 267 | 682 |
| | 2 | 8,784 | 5,510 | 3,274 | 2,422 | 246 | 605 |
| | 3 | 8,030 | 4,666 | 3,364 | 2,507 | 272 | 585 |
| | 4 | 7,754 | 4,455 | 3,299 | 2,543 | 300 | 456 |
| | 5 | 8,273 | 4,748 | 3,525 | 2,674 | 332 | 518 |
| | 6 | 8,924 | 5,520 | 3,404 | 2,603 | 308 | 493 |
| | 7 | 10,596 | 6,932 | 3,664 | 2,836 | 325 | 503 |
| | 8 | 10,125 | 6,615 | 3,510 | 2,758 | 281 | 471 |
| | 9 | 8,503 | 5,465 | 3,038 | 2,247 | 317 | 474 |
| | 10 | 8,150 | 4,740 | 3,410 | 2,558 | 362 | 490 |
| | 11 | 8,114 | 4,850 | 3,264 | 2,423 | 340 | 501 |
| | 12 | 9,828 | 6,242 | 3,586 | 2,668 | 307 | 612 |
| | | | | | | | |
| 2023 ^p | 1 | 9,472 | 5,949 | 3,523 | 2,657 | 253 | 613 |
| | 2 | 8,449 | 5,357 | 3,092 | 2,288 | 251 | 553 |
| | 3 | 7,690 | 4,185 | 3,505 | 2,629 | 306 | 570 |
| | 4 | 7,514 | 4,149 | 3,365 | 2,552 | 306 | 508 |
| | 5 | 7,692 | 4,296 | 3,396 | 2,562 | 333 | 501 |
| | 6 | 8,327 | 4,866 | 3,461 | 2,666 | 313 | 483 |
| | | | | | | | |
| 2022 ^p | 1-6 | 52,095 | 31,368 | 20,727 | 15,662 | 1,725 | 3,340 |
| 2023 ^p | 1-6 | 49,145 | 28,802 | 20,343 | 15,353 | 1,762 | 3,228 |

주: 유연탄은 원료탄과 기타유연탄임.

Note: Bituminous coal includes coking coal and other bituminous coal.

1. 일차에너지소비

1. Total primary energy consumption

2. 아역청탄 포함

2. Includes sub-bituminous coal.

자료: 대한석탄협회

Source: Korea Coal Association.

4. 가 스

Natural Gas and City Gas

4.1 천연가스 수급

Natural Gas Overview

4.2 천연가스 수입

Natural Gas Imports

4.3 천연가스 소비

Natural Gas Consumption

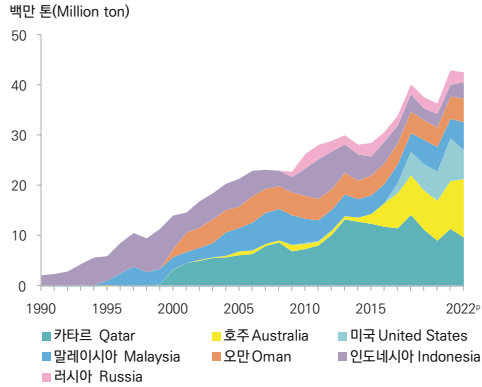
4.4 도시가스 수급

City Gas Overview

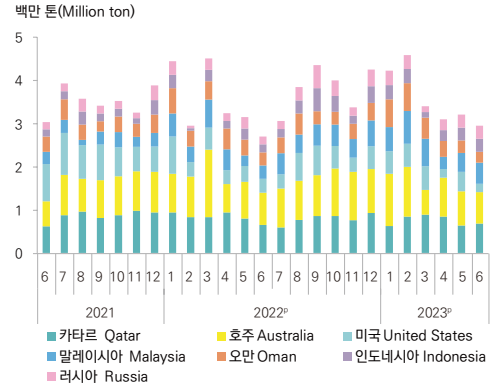


● 천연가스 수입 Natural Gas Imports

〈1990~2022^o〉

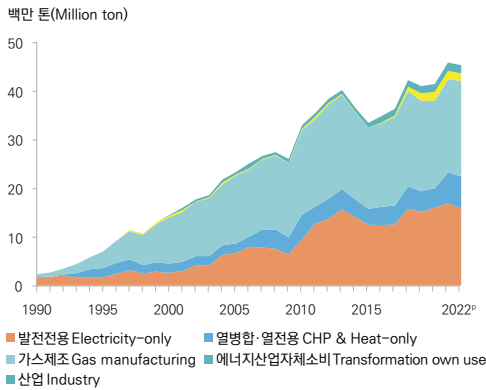


〈월별 Monthly〉

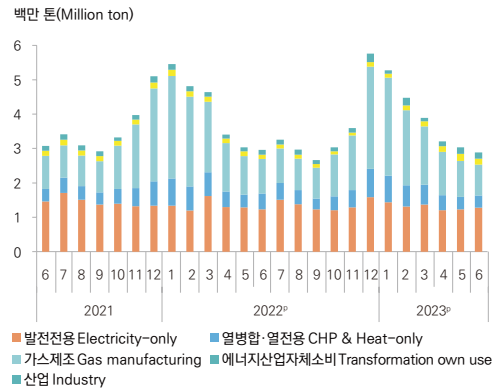


● 천연가스 소비 Natural Gas Consumption

〈1990~2022^o〉

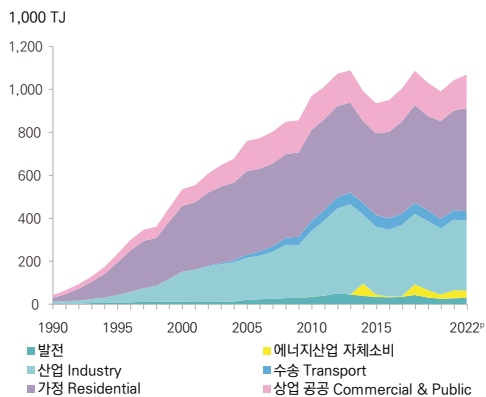


〈월별 Monthly〉

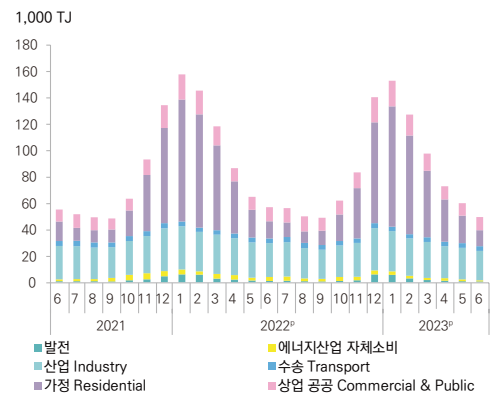


● 도시가스 소비 City Gas consumption

〈1990~2022^o〉



〈월별 Monthly〉



4.1 천연가스 수급

Natural Gas Overview

| | | 생산 Production | 수입 Imports | 재고 Stock | 일차에너지공급 TPES | 전환과정 ¹ Transformation processes ¹ | 최종소비 TFC |
|-------------------|-----|------------------|---------------|-------------|-----------------|---|-------------|
| | | 1,000 ton | | | | | |
| 1990 | | - | 2,237 | 46 | 2,275 | 2,313 | 4 |
| 1995 | | - | 6,756 | 103 | 6,810 | 6,970 | 9 |
| 2000 | | - | 15,239 | 591 | 15,187 | 14,057 | 160 |
| 2001 | | - | 15,318 | 738 | 15,171 | 15,149 | 438 |
| 2002 | | - | 17,993 | 426 | 18,305 | 17,224 | 479 |
| 2003 | | - | 19,308 | 1,063 | 18,671 | 17,988 | 458 |
| 2004 | | 163 | 21,781 | 1,602 | 21,405 | 20,710 | 589 |
| 2005 | | 398 | 22,317 | 959 | 23,359 | 22,601 | 486 |
| 2006 | | 355 | 25,256 | 1,936 | 24,634 | 23,893 | 1,014 |
| 2007 | | 271 | 25,569 | 1,111 | 26,665 | 25,878 | 645 |
| 2008 | | 181 | 27,259 | 2,558 | 25,994 | 26,718 | 549 |
| 2009 | | 383 | 25,822 | 1,734 | 27,029 | 25,228 | 750 |
| 2010 | | 415 | 32,603 | 2,689 | 32,063 | 31,943 | 766 |
| 2011 | | 347 | 36,685 | 3,323 | 36,398 | 34,261 | 769 |
| 2012 | | 334 | 36,184 | 1,840 | 38,001 | 37,222 | 813 |
| 2013 | | 355 | 39,876 | 2,237 | 39,834 | 39,264 | 798 |
| 2014 | | 247 | 37,107 | 3,234 | 36,357 | 35,689 | 781 |
| 2015 | | 144 | 33,366 | 3,034 | 33,710 | 32,513 | 866 |
| 2016 | | 118 | 33,453 | 1,695 | 34,911 | 33,404 | 1,378 |
| 2017 | | 261 | 37,537 | 2,308 | 37,185 | 34,620 | 1,403 |
| 2018 | | 234 | 44,015 | 4,374 | 42,183 | 39,988 | 1,357 |
| 2019 | | 198 | 40,748 | 4,069 | 41,252 | 38,038 | 1,479 |
| 2020 | | 142 | 39,982 | 2,886 | 41,282 | 38,024 | 1,623 |
| 2021 | | 42 | 45,932 | 3,207 | 45,631 | 42,367 | 1,632 |
| 2022 ^p | | - | 46,394 | 4,368 | 45,225 | 42,132 | 1,698 |
| 2021 | 6 | 2 | 3,131 | 2,059 | 3,102 | 2,770 | 140 |
| | 7 | 2 | 4,019 | 2,743 | 3,336 | 3,078 | 154 |
| | 8 | 1 | 3,477 | 3,176 | 3,039 | 2,778 | 148 |
| | 9 | 2 | 3,702 | 3,886 | 2,993 | 2,620 | 143 |
| | 10 | 2 | 3,897 | 4,442 | 3,343 | 3,066 | 94 |
| | 11 | 2 | 3,846 | 4,146 | 4,144 | 3,682 | 137 |
| | 12 | 1 | 3,855 | 3,207 | 4,796 | 4,724 | 175 |
| 2022 ^p | 1 | - | 4,999 | 2,736 | 5,470 | 5,083 | 162 |
| | 2 | - | 3,474 | 1,464 | 4,746 | 4,481 | 152 |
| | 3 | - | 4,952 | 1,750 | 4,666 | 4,336 | 128 |
| | 4 | - | 3,442 | 1,949 | 3,243 | 3,144 | 115 |
| | 5 | - | 3,384 | 2,118 | 3,215 | 2,767 | 110 |
| | 6 | - | 2,515 | 1,844 | 2,790 | 2,686 | 144 |
| | 7 | - | 3,251 | 1,851 | 3,241 | 2,990 | 138 |
| | 8 | - | 3,788 | 2,804 | 2,832 | 2,690 | 149 |
| | 9 | - | 4,217 | 3,975 | 3,046 | 2,428 | 113 |
| | 10 | - | 4,099 | 5,210 | 2,863 | 2,813 | 117 |
| | 11 | - | 3,767 | 5,569 | 3,408 | 3,362 | 126 |
| | 12 | - | 4,506 | 4,368 | 5,704 | 5,352 | 246 |
| 2023 ^p | 1 | - | 4,790 | 3,953 | 5,205 | 5,030 | 97 |
| | 2 | - | 5,088 | 4,490 | 4,551 | 4,095 | 222 |
| | 3 | - | 4,034 | 5,189 | 3,335 | 3,628 | 100 |
| | 4 | - | 3,150 | 5,133 | 3,206 | 2,891 | 141 |
| | 5 | - | 3,105 | 5,270 | 2,967 | 2,629 | 186 |
| | 6 | - | 2,930 | 5,156 | 3,044 | 2,522 | 180 |
| 2022 ^p | 1-6 | - | 22,767 | 1,844 | 24,130 | 22,497 | 811 |
| 2023 ^p | 1-6 | - | 23,097 | 5,156 | 22,308 | 20,795 | 926 |

1. 발전전용, 열병합, 열전용, 가스제조

자료: 한국무역협회, 한국가스공사, LNG직도입사.

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

Source: Korea International Trade Association, Korea Gas Corporation and LNG direct Importers.

4.2 천연가스 수입

Natural Gas Imports

| | | 수입량 Import Volume | | | | | | | | 수입액 |
|-------------------|-----|----------------------|--------|-----------|---------------|----------|-------|-----------|--------|------------------------------|
| | | 합계 ¹ | 카타르 | 호주 | 미국 | 말레이시아 | 오만 | 인도네시아 | 러시아 | |
| | | Total ¹ | Qatar | Australia | United States | Malaysia | Oman | Indonesia | Russia | Imports value 백만(Mil) USD |
| | | 1,000 ton | | | | | | | | |
| 1990 | | 2,237 | - | - | 0 | - | - | 2,237 | - | 460 |
| 1995 | | 6,756 | - | 114 | - | 1,040 | - | 4,892 | - | 1,275 |
| 2000 | | 15,239 | 3,251 | 54 | 0 | 2,529 | 1,619 | 6,633 | - | 3,882 |
| 2001 | | 15,318 | 4,655 | 57 | 0 | 2,175 | 3,784 | 4,055 | - | 3,990 |
| 2002 | | 17,993 | 5,123 | 176 | 0 | 2,400 | 3,970 | 5,256 | - | 4,120 |
| 2003 | | 19,308 | 5,694 | 123 | - | 2,798 | 4,714 | 5,200 | - | 5,082 |
| 2004 | | 21,781 | 5,818 | 285 | 0 | 4,638 | 4,411 | 5,290 | - | 6,552 |
| 2005 | | 22,317 | 6,211 | 748 | - | 4,688 | 4,244 | 5,502 | - | 8,646 |
| 2006 | | 25,256 | 6,458 | 701 | - | 5,546 | 5,221 | 5,060 | - | 11,925 |
| 2007 | | 25,569 | 8,031 | 422 | 0 | 6,161 | 4,792 | 3,755 | - | 12,653 |
| 2008 | | 27,259 | 8,744 | 398 | - | 6,247 | 4,544 | 3,053 | - | 19,806 |
| 2009 | | 25,822 | 6,973 | 1,314 | - | 5,874 | 4,551 | 3,084 | 1,017 | 13,875 |
| 2010 | | 32,603 | 7,449 | 1,030 | 232 | 4,745 | 4,557 | 5,451 | 2,933 | 17,006 |
| 2011 | | 36,685 | 8,153 | 787 | 113 | 4,144 | 4,195 | 7,894 | 2,850 | 23,859 |
| 2012 | | 36,184 | 10,278 | 832 | 57 | 4,082 | 4,127 | 7,445 | 2,163 | 27,364 |
| 2013 | | 39,876 | 13,354 | 620 | - | 4,314 | 4,331 | 5,627 | 1,841 | 30,645 |
| 2014 | | 37,107 | 12,853 | 836 | - | 3,673 | 3,726 | 5,176 | 1,913 | 31,403 |
| 2015 | | 33,366 | 12,442 | 1,952 | - | 3,698 | 3,990 | 3,776 | 2,679 | 18,779 |
| 2016 | | 33,453 | 11,880 | 4,695 | 28 | 3,813 | 4,081 | 4,362 | 1,851 | 12,170 |
| 2017 | | 37,537 | 11,554 | 6,997 | 1,959 | 3,749 | 4,231 | 3,542 | 1,923 | 15,616 |
| 2018 | | 44,015 | 14,245 | 7,871 | 4,658 | 3,702 | 4,282 | 3,447 | 1,930 | 23,189 |
| 2019 | | 40,748 | 11,311 | 7,775 | 5,226 | 4,802 | 3,946 | 2,336 | 2,247 | 20,567 |
| 2020 | | 39,982 | 9,087 | 7,972 | 5,762 | 4,918 | 3,900 | 2,699 | 2,019 | 15,716 |
| 2021 | | 45,932 | 11,464 | 9,465 | 8,478 | 3,906 | 4,415 | 2,387 | 2,867 | 25,453 |
| 2022 ^p | | 46,394 | 9,727 | 11,651 | 5,759 | 5,516 | 4,757 | 3,226 | 1,962 | 50,022 |
| | | | | | | | | | | |
| 2021 | 6 | 3,131 | 619 | 577 | 861 | 289 | 354 | 166 | 200 | 1,443 |
| | 7 | 4,019 | 877 | 933 | 973 | 302 | 479 | 182 | - | 2,002 |
| | 8 | 3,477 | 958 | 759 | 783 | 122 | 351 | 301 | 135 | 1,860 |
| | 9 | 3,702 | 808 | 878 | 827 | 304 | 235 | 182 | 405 | 2,114 |
| | 10 | 3,897 | 874 | 901 | 673 | 352 | 358 | 183 | 255 | 2,606 |
| | 11 | 3,846 | 975 | 917 | 568 | 234 | 302 | 128 | 524 | 3,098 |
| | 12 | 3,855 | 939 | 944 | 586 | 310 | 426 | 340 | 192 | 3,441 |
| | | | | | | | | | | |
| 2022 ^p | 1 | 4,999 | 938 | 893 | 866 | 537 | 582 | 312 | 320 | 5,690 |
| | 2 | 3,474 | 830 | 941 | 334 | 363 | 366 | 56 | 315 | 2,932 |
| | 3 | 4,952 | 830 | 1,562 | 510 | 653 | 427 | 262 | 191 | 5,035 |
| | 4 | 3,442 | 941 | 654 | 325 | 479 | 487 | 175 | 191 | 2,392 |
| | 5 | 3,384 | 794 | 852 | 369 | 244 | 365 | 262 | 245 | 2,448 |
| | 6 | 2,515 | 649 | 749 | 317 | 310 | 306 | 184 | - | 1,917 |
| | 7 | 3,251 | 591 | 900 | 331 | 491 | 369 | 190 | 65 | 3,357 |
| | 8 | 3,788 | 762 | 910 | 647 | 420 | 490 | 308 | 64 | 4,541 |
| | 9 | 4,217 | 856 | 946 | 686 | 493 | 301 | 535 | - | 6,201 |
| | 10 | 4,099 | 852 | 1,102 | 523 | 495 | 300 | 364 | 191 | 5,112 |
| | 11 | 3,767 | 760 | 1,120 | 327 | 432 | 355 | 190 | 127 | 4,743 |
| | 12 | 4,506 | 925 | 1,021 | 524 | 599 | 410 | 387 | 254 | 5,656 |
| | | | | | | | | | | |
| 2023 ^p | 1 | 4,790 | 622 | 1,216 | 517 | 565 | 642 | 331 | 127 | 6,206 |
| | 2 | 5,088 | 843 | 1,154 | 532 | 762 | 647 | 322 | 127 | 5,611 |
| | 3 | 4,034 | 888 | 574 | 546 | 638 | 490 | 131 | 318 | 3,705 |
| | 4 | 3,150 | 845 | 900 | 196 | 288 | 362 | 252 | 191 | 2,202 |
| | 5 | 3,105 | 635 | 791 | 453 | 438 | 288 | 299 | - | 2,109 |
| | 6 | 2,930 | 683 | 725 | 197 | 486 | 249 | 303 | 127 | 2,015 |
| | | | | | | | | | | |
| 2022 ^p | 1-6 | 22,767 | 4,982 | 5,652 | 2,722 | 2,586 | 2,533 | 1,252 | 1,262 | 20,413 |
| 2023 ^p | 1-6 | 23,097 | 4,517 | 5,359 | 2,441 | 3,177 | 2,678 | 1,639 | 891 | 21,848 |

1. 기타국가 포함
자료: 한국무역협회

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

4.3 천연가스 소비

Natural Gas Consumption

| | | 합계 ¹ | 발전 | 발전전용 | | 가스제조 | 에너지산업자체소비 ² | 산업 |
|-------------------|-----|--------------------|------------------|------------------|----------------------------|-----------|------------------------|-------|
| | | Total ¹ | Power generation | Electricity-only | 열병합·열전용 CHP & Heat-only | | | |
| | | | | | | 1,000 ton | | |
| 1990 | | 2,317 | 1,741 | 1,741 | 0 | 572 | 0 | 4 |
| 1995 | | 6,979 | 3,562 | 1,680 | 1,882 | 3,408 | 0 | 9 |
| 2000 | | 14,554 | 4,529 | 2,575 | 1,954 | 9,528 | 337 | 160 |
| 2001 | | 15,986 | 4,850 | 3,004 | 1,846 | 10,299 | 398 | 438 |
| 2002 | | 17,757 | 6,055 | 4,086 | 1,968 | 11,169 | 54 | 479 |
| 2003 | | 18,610 | 6,049 | 4,116 | 1,933 | 11,939 | 164 | 458 |
| 2004 | | 21,786 | 8,254 | 6,281 | 1,973 | 12,456 | 487 | 589 |
| 2005 | | 23,298 | 8,623 | 6,664 | 1,959 | 13,978 | 211 | 486 |
| 2006 | | 25,091 | 10,014 | 7,981 | 2,033 | 13,879 | 185 | 1,014 |
| 2007 | | 26,659 | 11,529 | 7,823 | 3,706 | 14,350 | 136 | 645 |
| 2008 | | 27,439 | 11,516 | 7,495 | 4,021 | 15,201 | 173 | 549 |
| 2009 | | 26,031 | 9,900 | 6,421 | 3,479 | 15,328 | 52 | 750 |
| 2010 | | 32,984 | 14,588 | 9,462 | 5,127 | 17,354 | 274 | 766 |
| 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 | | 33,438 | 15,782 | 12,533 | 3,249 | 16,732 | 56 | 866 |
| 2016 | | 34,906 | 16,220 | 12,465 | 3,756 | 17,184 | 121 | 1,378 |
| 2017 | | 36,378 | 16,421 | 12,581 | 3,840 | 18,199 | 363 | 1,403 |
| 2018 | | 42,283 | 20,364 | 15,791 | 4,573 | 19,624 | 919 | 1,357 |
| 2019 | | 41,002 | 19,406 | 15,201 | 4,205 | 18,633 | 1,487 | 1,479 |
| 2020 | | 41,489 | 19,979 | 14,650 | 5,329 | 18,045 | 1,848 | 1,623 |
| 2021 | | 45,807 | 23,249 | 17,338 | 5,910 | 19,118 | 1,817 | 1,632 |
| 2022 ^p | | 45,341 | 22,486 | 16,117 | 6,369 | 19,646 | 1,514 | 1,698 |
| | | | | | | | | |
| 2021 | 6 | 3,061 | 1,813 | 1,460 | 353 | 957 | 153 | 140 |
| | 7 | 3,396 | 2,140 | 1,701 | 439 | 938 | 165 | 154 |
| | 8 | 3,077 | 1,895 | 1,504 | 391 | 884 | 152 | 148 |
| | 9 | 2,904 | 1,720 | 1,367 | 353 | 900 | 141 | 143 |
| | 10 | 3,301 | 1,814 | 1,388 | 426 | 1,253 | 142 | 94 |
| | 11 | 3,955 | 1,844 | 1,321 | 523 | 1,837 | 137 | 137 |
| | 12 | 5,072 | 2,040 | 1,332 | 708 | 2,684 | 173 | 175 |
| | | | | | | | | |
| 2022 ^p | 1 | 5,427 | 2,118 | 1,332 | 786 | 2,965 | 181 | 162 |
| | 2 | 4,789 | 1,894 | 1,194 | 700 | 2,587 | 157 | 152 |
| | 3 | 4,612 | 2,297 | 1,611 | 686 | 2,039 | 148 | 128 |
| | 4 | 3,384 | 1,746 | 1,290 | 457 | 1,397 | 126 | 115 |
| | 5 | 3,020 | 1,656 | 1,288 | 369 | 1,111 | 141 | 110 |
| | 6 | 2,946 | 1,686 | 1,225 | 461 | 1,000 | 117 | 144 |
| | 7 | 3,239 | 1,991 | 1,507 | 484 | 998 | 113 | 138 |
| | 8 | 2,956 | 1,782 | 1,376 | 406 | 908 | 118 | 149 |
| | 9 | 2,649 | 1,539 | 1,227 | 312 | 889 | 107 | 113 |
| | 10 | 3,023 | 1,599 | 1,206 | 394 | 1,213 | 93 | 117 |
| | 11 | 3,573 | 1,783 | 1,286 | 496 | 1,580 | 85 | 126 |
| | 12 | 5,724 | 2,395 | 1,577 | 818 | 2,957 | 127 | 246 |
| | | | | | | | | |
| 2023 ^p | 1 | 5,247 | 2,198 | 1,430 | 768 | 2,832 | 121 | 97 |
| | 2 | 4,452 | 1,925 | 1,309 | 616 | 2,170 | 135 | 222 |
| | 3 | 3,870 | 1,941 | 1,367 | 574 | 1,687 | 143 | 100 |
| | 4 | 3,190 | 1,635 | 1,203 | 432 | 1,256 | 160 | 141 |
| | 5 | 3,015 | 1,586 | 1,227 | 359 | 1,043 | 201 | 186 |
| | 6 | 2,870 | 1,627 | 1,276 | 351 | 895 | 169 | 180 |
| | | | | | | | | |
| 2022 ^p | 1-6 | 24,177 | 11,397 | 7,939 | 3,458 | 11,100 | 870 | 811 |
| 2023 ^p | 1-6 | 22,643 | 10,911 | 7,811 | 3,100 | 9,884 | 928 | 926 |

1. 일차에너지소비

2. 석유정제, LNG 생산기지 및 발전소 시운전 등.

자료: 한국가스공사, LNG직도입사.

1. Total primary energy consumption

2. LNG consumption in oil refinery, LNG terminals and trial run of power plants.

Source: Korea Gas Corporation and LNG direct Importers.

4.4 도시가스 수급

City Gas Overview

| | | 공급 Supply | | | 소비 Consumption | | | | | | |
|-------------------|-----|--------------|-----------|------------------------------|----------------------------------|--|-----------|----------------|-----------------|-------------------|---------------------------------|
| | | 프로판 투입(A) | LNG 투입(B) | 도시가스 생산(A+B) ¹ | 발전 ² | 에너지산업 자체소비 ³ | 최종소비 | | | | |
| | | Propane | LNG | Production ¹ | Power generation ² | Transformation own use ³ | 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 | | - | 518,610 | 518,610 | 11,701 | - | 523,759 | 138,504 | - | 307,858 | 77,397 |
| 2001 | | 6,737 | 560,583 | 567,321 | 9,223 | - | 545,574 | 151,209 | 308 | 315,104 | 78,953 |
| 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 ^p | | 13,998 | 1,075,884 | 1,089,505 | 28,846 | 34,789 | 1,006,763 | 325,785 | 42,913 | 482,015 | 156,049 |
| | | | | | | | | | | | |
| 2021 | 6 | - | 52,329 | 52,329 | 708 | 1,483 | 52,965 | 25,220 | 3,824 | 14,844 | 9,076 |
| | 7 | - | 51,267 | 51,267 | 752 | 1,630 | 49,139 | 24,946 | 4,016 | 9,919 | 10,258 |
| | 8 | - | 48,319 | 48,319 | 632 | 1,609 | 47,016 | 24,060 | 3,839 | 9,286 | 9,830 |
| | 9 | - | 49,231 | 49,231 | 563 | 2,567 | 45,245 | 23,425 | 3,599 | 9,775 | 8,447 |
| | 10 | - | 68,495 | 68,495 | 1,391 | 4,123 | 57,874 | 25,746 | 3,679 | 19,550 | 8,899 |
| | 11 | 401 | 100,463 | 100,864 | 2,152 | 4,668 | 86,352 | 28,194 | 3,648 | 42,627 | 11,882 |
| | 12 | 2,498 | 146,741 | 149,239 | 4,382 | 3,957 | 126,007 | 32,588 | 3,810 | 72,233 | 17,375 |
| | | | | | | | | | | | |
| 2022 ^p | 1 | 2,486 | 162,381 | 164,867 | 5,821 | 3,796 | 148,179 | 32,832 | 3,604 | 92,653 | 19,090 |
| | 2 | 2,043 | 141,686 | 143,728 | 5,743 | 2,415 | 137,327 | 30,073 | 3,236 | 85,935 | 18,084 |
| | 3 | 2,011 | 111,656 | 113,668 | 2,647 | 3,653 | 111,919 | 29,695 | 3,506 | 64,271 | 14,447 |
| | 4 | 736 | 76,527 | 77,263 | 1,911 | 3,501 | 81,196 | 27,943 | 3,484 | 39,614 | 10,155 |
| | 5 | 350 | 60,861 | 61,211 | 1,259 | 2,178 | 61,358 | 26,784 | 3,633 | 21,031 | 9,910 |
| | 6 | 291 | 54,762 | 55,053 | 930 | 3,073 | 52,863 | 25,645 | 3,544 | 13,014 | 10,659 |
| | 7 | 151 | 54,664 | 54,814 | 1,066 | 3,283 | 51,786 | 26,019 | 3,859 | 11,118 | 10,790 |
| | 8 | 951 | 49,741 | 50,315 | 710 | 2,195 | 47,079 | 22,986 | 3,815 | 8,749 | 11,529 |
| | 9 | 575 | 48,706 | 49,281 | 586 | 1,971 | 46,320 | 22,110 | 3,574 | 10,864 | 9,771 |
| | 10 | 1,056 | 66,438 | 67,494 | 922 | 2,923 | 57,979 | 23,925 | 3,532 | 20,107 | 10,415 |
| | 11 | 678 | 86,514 | 87,192 | 1,426 | 2,743 | 79,155 | 25,539 | 3,463 | 38,124 | 12,029 |
| | 12 | 2,670 | 161,949 | 164,619 | 5,826 | 3,055 | 131,601 | 32,233 | 3,663 | 76,535 | 19,170 |
| | | | | | | | | | | | |
| 2023 ^p | 1 | 3,999 | 155,091 | 159,089 | 5,476 | 2,654 | 144,774 | 30,626 | 3,390 | 91,389 | 19,369 |
| | 2 | 3,466 | 118,843 | 122,309 | 2,832 | 1,919 | 122,418 | 28,393 | 3,171 | 74,930 | 15,924 |
| | 3 | 668 | 92,390 | 93,058 | 1,616 | 1,535 | 94,357 | 27,439 | 3,459 | 50,546 | 12,914 |
| | 4 | - | 68,761 | 68,761 | 1,013 | 2,021 | 69,791 | 24,335 | 3,363 | 31,984 | 10,108 |
| | 5 | - | 57,133 | 57,133 | 641 | 1,438 | 57,850 | 23,948 | 3,506 | 21,016 | 9,379 |
| | 6 | - | 49,039 | 49,039 | 474 | 924 | 47,964 | 22,355 | 3,512 | 12,193 | 9,905 |
| | | | | | | | | | | | |
| 2022 ^p | 1-6 | 7,917 | 607,872 | 615,789 | 18,310 | 18,617 | 592,843 | 172,973 | 21,006 | 316,519 | 82,345 |
| 2023 ^p | 1-6 | 8,132 | 541,258 | 549,390 | 12,051 | 10,490 | 537,154 | 157,095 | 20,402 | 282,057 | 77,600 |

1. 1990년에는 납사 포함.

2. 열병합, 열전용

3. 코크스, 연탄 및 석유정제품 제조.

자료: 한국도시가스협회

1. Includes naphtha production for 1990 data.

2. Includes CHP and heat-only plants.

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

Source: Korea City Gas Association



5. 석 유

Oil

5.1 원유 및 정제원료 수급

Crude Oil & Refinery Feedstocks Overview

5.2 계약형태별 원유 수입

Crude Oil Imports by Contract Type

5.3 국별 원유 수입

Crude Oil Imports by Country

5.4 석유정제 및 전환공정 투입

Petroleum Refining and Energy Transformation Processes

5.5 석유제품 수급

Petroleum Products Overview

5.5.1 프로판

Propane

5.5.2 부탄

Butane

5.5.3 휘발유

Gasoline

5.5.4 항공유

Air fuel

5.5.5 등유

Kerosene

5.5.6 경유

Diesel

5.5.7 중유

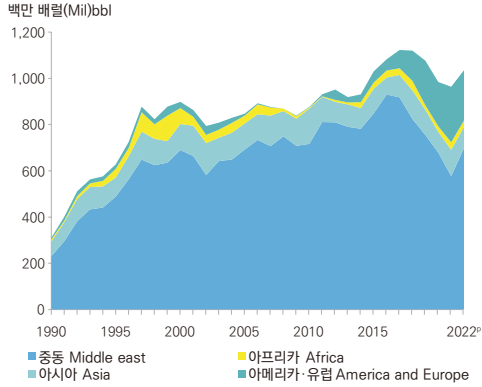
Fuel Oil

5.5.8 납사

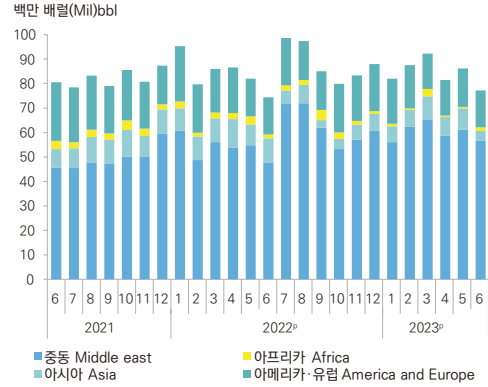
Naphtha

● 원유 수입 Crude Oil Imports

〈1990~2022^o〉

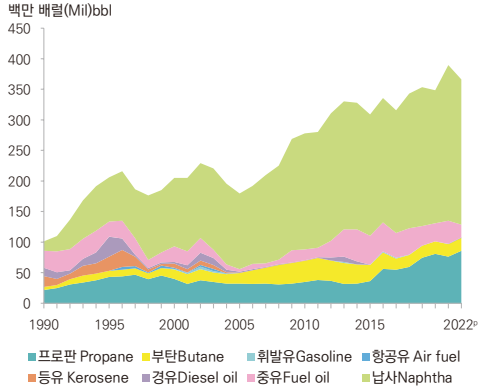


〈월별 Monthly〉

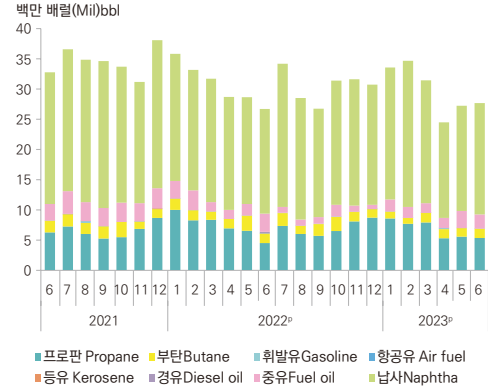


● 석유제품 수입 Petroleum Products Imports

〈1990~2022^o〉

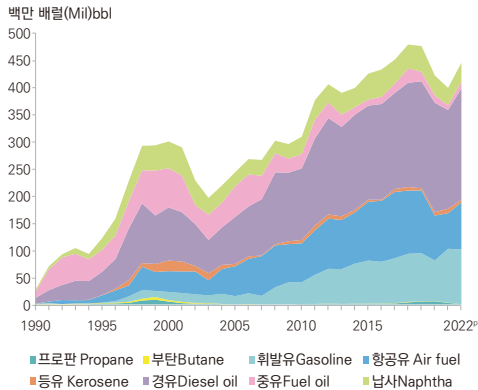


〈월별 Monthly〉

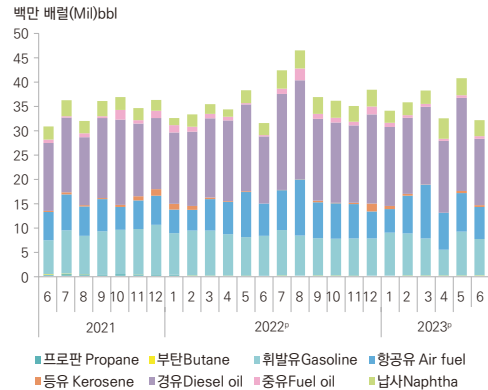


● 석유제품 수출 Petroleum Products Exports

〈1990~2022^o〉

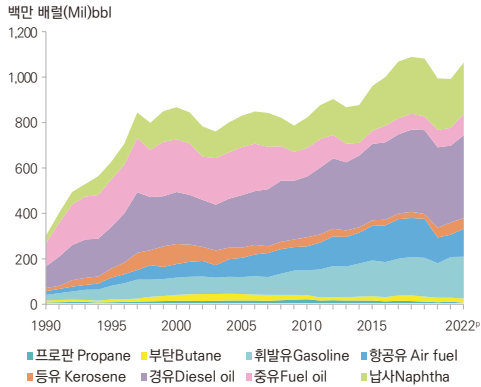


〈월별 Monthly〉

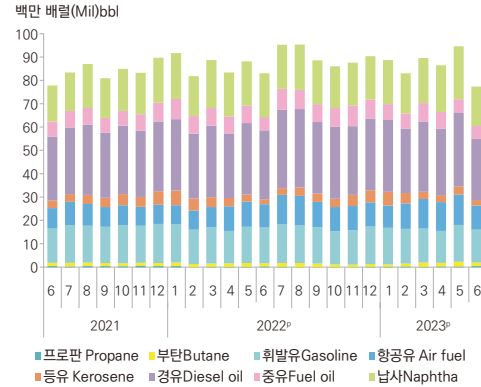


● 정제 생산 Petroleum Products Production

<1990~2022^o>

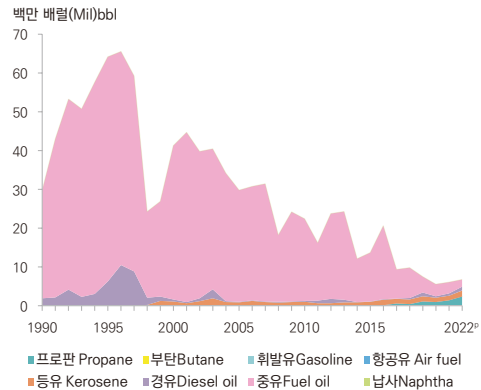


<월별 Monthly>

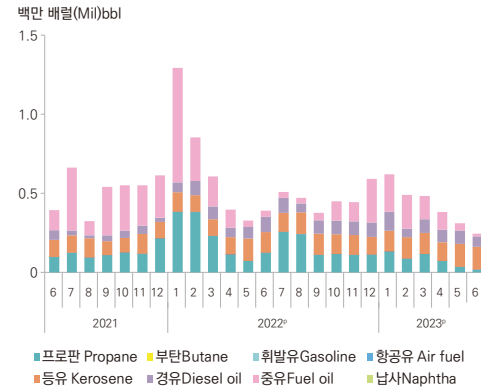


● 석유제품 발전 및 열생산투입 Power Generation & Others

<1990~2022^o>

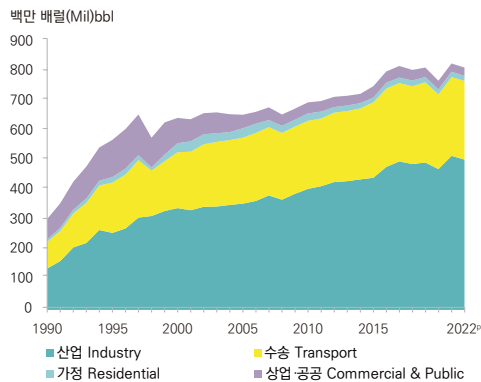


<월별 Monthly>

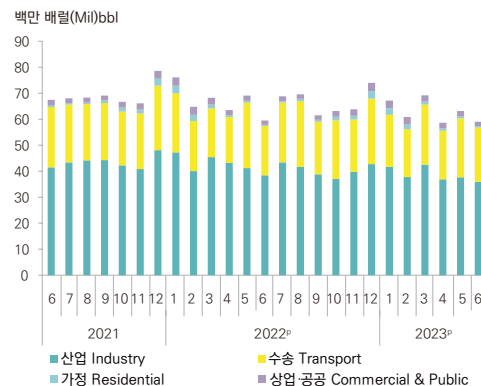


● 석유제품 최종에너지 부문별 소비 Final Energy Consumption of Petroleum Products by Sector

<1990~2022^o>



<월별 Monthly>



5.1 원유 및 정제원료 수급

| | | 생산 | 수입 | 수출 | 재고 | 일차에너지공급 |
|-------------------|-----|------------|-----------|---------|--------|-----------|
| | | Production | Imports | Exports | Stock | TPES |
| 1,000 bbl | | | | | | |
| 1990 | | - | 310,494 | - | 4,500 | 313,963 |
| 1995 | | - | 644,020 | 167 | 14,224 | 649,105 |
| 2000 | | - | 899,809 | 743 | 8,917 | 898,624 |
| 2001 | | - | 868,237 | 770 | 8,491 | 869,465 |
| 2002 | | - | 800,488 | 932 | 11,089 | 796,972 |
| 2003 | | - | 812,494 | 326 | 32,373 | 790,885 |
| 2004 | | - | 830,674 | 96 | 30,300 | 832,651 |
| 2005 | | 407 | 851,327 | 29 | 20,209 | 861,934 |
| 2006 | | 333 | 892,296 | 21 | 28,074 | 884,743 |
| 2007 | | 236 | 873,674 | 489 | 17,631 | 884,340 |
| 2008 | | 155 | 866,659 | 1,686 | 16,123 | 866,575 |
| 2009 | | 321 | 837,008 | 2,233 | 11,682 | 839,537 |
| 2010 | | 380 | 874,666 | 3,330 | 13,577 | 869,820 |
| 2011 | | 285 | 928,736 | 4,039 | 17,634 | 921,053 |
| 2012 | | 263 | 949,058 | 2,473 | 19,677 | 944,792 |
| 2013 | | 290 | 918,634 | 1,988 | 26,069 | 910,875 |
| 2014 | | 198 | 933,736 | 992 | 34,161 | 924,848 |
| 2015 | | 115 | 1,030,315 | 2,400 | 44,935 | 1,017,256 |
| 2016 | | 104 | 1,084,066 | 3,597 | 49,109 | 1,076,400 |
| 2017 | | 217 | 1,124,938 | 2,447 | 50,741 | 1,121,075 |
| 2018 | | 189 | 1,126,403 | 4,124 | 59,367 | 1,113,842 |
| 2019 | | 155 | 1,075,973 | 769 | 52,761 | 1,081,117 |
| 2020 | | 103 | 987,422 | 448 | 50,884 | 988,952 |
| 2021 | | 36 | 973,734 | 1,782 | 48,956 | 973,916 |
| 2022 ^p | | 17 | 1,047,685 | 1,848 | 52,246 | 1,042,564 |
| 2021 | 6 | 0 | 82,136 | 168 | 54,177 | 77,283 |
| | 7 | 3 | 79,392 | 116 | 50,609 | 82,847 |
| | 8 | 2 | 84,063 | 148 | 47,944 | 86,583 |
| | 9 | 2 | 80,224 | 151 | 47,527 | 80,492 |
| | 10 | 2 | 87,162 | 67 | 49,862 | 84,762 |
| | 11 | 3 | 81,366 | 306 | 48,749 | 82,175 |
| | 12 | 2 | 88,261 | 511 | 48,956 | 87,546 |
| 2022 ^p | 1 | 8 | 95,915 | 380 | 53,329 | 91,170 |
| | 2 | - | 80,804 | 113 | 52,483 | 81,536 |
| | 3 | - | 87,579 | 230 | 52,779 | 87,053 |
| | 4 | - | 87,001 | 233 | 56,018 | 83,528 |
| | 5 | - | 82,683 | 101 | 52,465 | 86,136 |
| | 6 | - | 74,588 | 161 | 46,772 | 80,119 |
| | 7 | - | 99,742 | 100 | 53,052 | 93,362 |
| | 8 | - | 98,674 | 143 | 56,827 | 94,756 |
| | 9 | 8 | 86,020 | 73 | 56,258 | 86,524 |
| | 10 | - | 81,056 | 110 | 52,717 | 84,487 |
| | 11 | - | 84,629 | 112 | 51,769 | 85,466 |
| | 12 | - | 88,994 | 92 | 52,246 | 88,425 |
| 2023 ^p | 1 | - | 82,517 | 212 | 47,573 | 86,977 |
| | 2 | - | 88,198 | 51 | 54,164 | 81,556 |
| | 3 | - | 92,676 | 268 | 59,105 | 87,468 |
| | 4 | - | 82,105 | 135 | 55,085 | 85,989 |
| | 5 | - | 86,626 | 256 | 48,633 | 92,823 |
| | 6 | - | 78,448 | 185 | 52,056 | 74,839 |
| 2022 ^p | 1-6 | 8 | 508,570 | 1,219 | 46,772 | 509,543 |
| 2023 ^p | 1-6 | - | 510,570 | 1,107 | 52,056 | 509,652 |

1. 석유제품 생산(정제투입) 공정에 투입된 물량으로 음수는 이 공정을 통하여 해당 에너지상품이 생산되었음을 의미

2. 첨가물과 기타탄화수소

3. 국내 모든 정유사 정제능력의 합계

자료: 한국석유공사-PEDSIS, 대한석유협회

Crude Oil & Refinery Feedstocks Overview

| 전환공정 ¹ Transformation processes ¹ | 원유 Crude oil | 정제원료 Refinery feedstocks | 기타 ² Others ² | 정제능력 ³ Refining capacity ³ | | |
|--|-----------------|-----------------------------|--|---|-----|-------------------|
| | | | | 1,000BPSD | | |
| 1,000 bbl | | | | 1,000BPSD | | |
| 313,973 | 312,045 | 1,928 | - | 840 | | 1990 |
| 649,293 | 631,266 | 18,027 | - | 1,818 | | 1995 |
| 897,543 | 892,224 | 6,031 | -712 | 2,438 | | 2000 |
| 869,395 | 860,166 | 10,004 | -775 | 2,438 | | 2001 |
| 809,469 | 787,290 | 22,901 | -722 | 2,438 | | 2002 |
| 794,658 | 783,518 | 11,343 | -202 | 2,438 | | 2003 |
| 832,238 | 826,967 | 4,904 | 367 | 2,735 | | 2004 |
| 860,864 | 852,544 | 7,603 | 717 | 2,735 | | 2005 |
| 881,453 | 878,417 | 2,230 | 806 | 2,735 | | 2006 |
| 882,291 | 882,409 | -925 | 807 | 2,765 | | 2007 |
| 863,787 | 865,680 | -3,270 | 1,377 | 2,785 | | 2008 |
| 835,024 | 838,419 | -4,406 | 1,012 | 2,835 | | 2009 |
| 869,469 | 872,263 | -4,157 | 1,363 | 2,845 | | 2010 |
| 926,980 | 924,447 | 1,399 | 1,134 | 2,934 | | 2011 |
| 955,613 | 946,046 | 8,668 | 899 | 2,949 | | 2012 |
| 922,923 | 909,539 | 12,673 | 711 | 2,949 | | 2013 |
| 939,156 | 918,377 | 21,601 | -822 | 3,009 | | 2014 |
| 1,029,608 | 1,014,957 | 14,105 | 546 | 3,059 | | 2015 |
| 1,085,610 | 1,072,234 | 12,643 | 733 | 3,064 | | 2016 |
| 1,153,915 | 1,116,614 | 36,670 | 631 | 3,105 | | 2017 |
| 1,175,276 | 1,106,317 | 68,740 | 219 | 3,204 | | 2018 |
| 1,159,008 | 1,064,217 | 94,852 | -62 | 3,204 | | 2019 |
| 1,089,285 | 980,379 | 108,939 | -33 | 3,204 | | 2020 |
| 1,089,068 | 961,384 | 128,356 | -672 | 3,204 | | 2021 |
| 1,155,425 | 1,026,102 | 130,311 | -988 | 3,204 | | 2022 ^p |
| 87,033 | 76,400 | 10,715 | -82 | 3,204 | 6 | 2021 |
| 93,095 | 80,999 | 12,176 | -80 | 3,204 | 7 | |
| 96,432 | 84,883 | 11,616 | -66 | 3,204 | 8 | |
| 89,825 | 78,884 | 11,018 | -77 | 3,204 | 9 | |
| 94,217 | 83,858 | 10,376 | -18 | 3,204 | 10 | |
| 91,604 | 80,874 | 10,800 | -70 | 3,204 | 11 | |
| 97,671 | 86,362 | 11,387 | -78 | 3,204 | 12 | |
| 99,599 | 89,582 | 10,218 | -201 | 3,204 | 1 | 2022 ^p |
| 89,389 | 79,853 | 9,678 | -142 | 3,204 | 2 | |
| 96,985 | 85,511 | 11,631 | -156 | 3,204 | 3 | |
| 91,387 | 83,526 | 8,003 | -142 | 3,204 | 4 | |
| 95,946 | 84,897 | 11,056 | -7 | 3,204 | 5 | |
| 91,203 | 79,069 | 12,236 | -101 | 3,204 | 6 | |
| 103,079 | 91,705 | 11,413 | -39 | 3,204 | 7 | |
| 103,049 | 93,673 | 9,397 | -21 | 3,204 | 8 | |
| 95,878 | 85,370 | 10,597 | -88 | 3,204 | 9 | |
| 94,235 | 82,308 | 11,946 | -19 | 3,204 | 10 | |
| 96,016 | 83,319 | 12,747 | -50 | 3,204 | 11 | |
| 98,659 | 87,291 | 11,389 | -22 | 3,204 | 12 | |
| 97,024 | 86,234 | 10,891 | -101 | 3,204 | 1 | 2023 ^p |
| 90,398 | 80,581 | 9,934 | -117 | 3,204 | 2 | |
| 97,319 | 86,234 | 11,022 | 63 | 3,204 | 3 | |
| 94,098 | 85,692 | 8,350 | 56 | 3,204 | 4 | |
| 102,390 | 91,597 | 10,823 | -30 | 3,204 | 5 | |
| 84,275 | 72,417 | 11,824 | 34 | 3,204 | 6 | |
| 564,509 | 502,437 | 62,821 | -749 | 3,204 | 1-6 | 2022 ^p |
| 565,504 | 502,754 | 62,844 | -95 | 3,204 | 1-6 | 2023 ^p |

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

2. Additives and other hydrocarbons

3. Sum of capacities of all refineries in South Korea

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

5.2 계약형태별 원유 수입

| | | 합계 | 중동 Middle East | | | 아시아 Asia | | |
|-------------------|-----|-----------|-----------------------|-----------|---------|-----------------------|-----------|---------|
| | | | 소계 ¹ | 장기계약 | 현물 | 소계 ¹ | 장기계약 | 현물 |
| | | Total | Subtotal ¹ | Long-term | Spots | Subtotal ¹ | Long-term | Spots |
| | | 1,000 bbl | | | | | | |
| 1990 | | 308,368 | 229,017 | 123,571 | 93,820 | 62,530 | 32,127 | 25,834 |
| 1995 | | 624,945 | 486,528 | 351,042 | 133,065 | 82,050 | 40,042 | 41,308 |
| 2000 | | 893,943 | 686,916 | 501,767 | 185,149 | 112,669 | 54,307 | 58,361 |
| 2001 | | 859,367 | 661,649 | 491,422 | 169,887 | 130,033 | 35,959 | 94,074 |
| 2002 | | 790,992 | 579,865 | 419,976 | 159,889 | 136,756 | 42,142 | 94,615 |
| 2003 | | 804,809 | 639,453 | 497,625 | 139,484 | 100,721 | 35,603 | 65,118 |
| 2004 | | 825,790 | 645,183 | 502,039 | 142,479 | 116,287 | 38,718 | 77,569 |
| 2005 | | 843,203 | 689,356 | 533,800 | 154,368 | 111,937 | 29,458 | 82,479 |
| 2006 | | 888,794 | 730,843 | 560,285 | 170,558 | 110,306 | 24,113 | 86,193 |
| 2007 | | 872,541 | 704,020 | 521,070 | 182,950 | 131,273 | 21,071 | 110,202 |
| 2008 | | 864,872 | 746,458 | 569,121 | 177,337 | 108,482 | 17,689 | 90,794 |
| 2009 | | 835,085 | 705,363 | 560,061 | 145,302 | 116,379 | 19,214 | 97,166 |
| 2010 | | 872,415 | 713,647 | 589,285 | 124,361 | 152,354 | 23,177 | 129,176 |
| 2011 | | 927,044 | 807,908 | 685,205 | 122,704 | 108,402 | 22,820 | 85,583 |
| 2012 | | 947,292 | 805,971 | 645,317 | 160,654 | 88,190 | 18,969 | 69,220 |
| 2013 | | 915,075 | 786,813 | 604,972 | 181,841 | 97,047 | 22,364 | 74,683 |
| 2014 | | 927,524 | 778,923 | 628,106 | 150,817 | 88,623 | 23,658 | 64,964 |
| 2015 | | 1,026,107 | 844,637 | 597,539 | 241,282 | 106,263 | 21,406 | 84,857 |
| 2016 | | 1,078,119 | 926,201 | 612,451 | 301,437 | 72,756 | 19,644 | 53,112 |
| 2017 | | 1,118,167 | 913,446 | 618,093 | 278,913 | 97,233 | 28,400 | 68,833 |
| 2018 | | 1,116,281 | 820,994 | 529,317 | 276,972 | 122,832 | 36,446 | 86,385 |
| 2019 | | 1,071,923 | 752,564 | 593,774 | 147,450 | 107,943 | 12,728 | 95,215 |
| 2020 | | 980,259 | 676,409 | 543,834 | 122,068 | 88,493 | 5,595 | 82,899 |
| 2021 | | 960,147 | 574,430 | 483,832 | 85,262 | 113,932 | 4,965 | 108,967 |
| 2022 ^p | | 1,031,283 | 695,122 | 512,095 | 182,291 | 91,418 | 8,703 | 82,715 |
| | | | | | | | | |
| 2021 | 6 | 80,165 | 45,491 | 42,906 | 2,442 | 7,454 | 741 | 6,713 |
| | 7 | 78,032 | 45,243 | 37,897 | 6,726 | 8,029 | - | 8,029 |
| | 8 | 82,826 | 47,514 | 40,000 | 6,679 | 10,348 | 622 | 9,726 |
| | 9 | 78,627 | 46,911 | 40,022 | 6,075 | 9,766 | - | 9,766 |
| | 10 | 85,129 | 49,796 | 38,249 | 10,885 | 11,012 | 766 | 10,246 |
| | 11 | 80,359 | 49,749 | 39,873 | 9,228 | 8,550 | - | 8,550 |
| | 12 | 86,925 | 59,292 | 47,935 | 11,356 | 9,875 | - | 9,875 |
| | | | | | | | | |
| 2022 ^p | 1 | 94,792 | 60,465 | 50,636 | 9,094 | 9,028 | 760 | 8,268 |
| | 2 | 79,284 | 48,527 | 39,785 | 8,743 | 9,513 | 766 | 8,747 |
| | 3 | 85,558 | 55,742 | 51,464 | 4,278 | 9,693 | - | 9,693 |
| | 4 | 86,216 | 53,456 | 47,327 | 6,129 | 11,721 | 766 | 10,955 |
| | 5 | 81,610 | 54,532 | 43,881 | 10,652 | 8,392 | 581 | 7,811 |
| | 6 | 74,055 | 47,520 | 40,843 | 6,677 | 9,853 | 766 | 9,086 |
| | 7 | 98,176 | 71,343 | 48,812 | 22,531 | 5,480 | 766 | 4,714 |
| | 8 | 96,917 | 71,657 | 43,711 | 27,946 | 7,424 | 1,339 | 6,085 |
| | 9 | 84,633 | 61,702 | 37,822 | 23,880 | 3,090 | 766 | 2,324 |
| | 10 | 79,527 | 52,950 | 30,028 | 22,922 | 4,217 | 766 | 3,451 |
| | 11 | 82,947 | 56,870 | 38,536 | 18,334 | 6,114 | 1,426 | 4,687 |
| | 12 | 87,568 | 60,357 | 39,250 | 21,106 | 6,895 | - | 6,895 |
| | | | | | | | | |
| 2023 ^p | 1 | 81,634 | 55,819 | 36,985 | 18,834 | 6,384 | - | 6,384 |
| | 2 | 87,163 | 62,128 | 36,245 | 25,883 | 6,800 | - | 6,800 |
| | 3 | 91,780 | 65,085 | 38,645 | 26,440 | 9,328 | 651 | 8,677 |
| | 4 | 81,137 | 58,541 | 35,702 | 22,839 | 7,454 | - | 7,454 |
| | 5 | 85,788 | 60,844 | 34,795 | 26,049 | 8,717 | - | 8,717 |
| | 6 | 76,849 | 56,348 | 32,027 | 24,321 | 4,041 | - | 4,041 |
| | | | | | | | | |
| 2022 ^p | 1-6 | 501,515 | 320,243 | 273,936 | 45,572 | 58,199 | 3,639 | 54,559 |
| 2023 ^p | 1-6 | 504,350 | 358,764 | 214,399 | 144,365 | 42,724 | 651 | 42,072 |

1. 임가공과 개발도입 물량 포함.

자료 : 한국석유공사-PEDSIS

Crude Oil Imports by Contract Type

| 아프리카 Africa | | | 아메리카·유럽 America and Europe | | | 계약형태 비중 Share of contract type | | | |
|--|-------------------|-------------|--|-------------------|-------------|-----------------------------------|-------------|-------------------|-------------------|
| 소계 ¹ Subtotal ¹ | 장기계약 Long-term | 현물 Spots | 소계 ¹ Subtotal ¹ | 장기계약 Long-term | 현물 Spots | 장기계약 Long-term | 현물 Spots | | |
| 1,000 bbl | | | | | | % | | | |
| 9,689 | 687 | 8,202 | 7,132 | 3,657 | 3,475 | 51.9 | 32.4 | 1990 | |
| 37,911 | 3,781 | 34,130 | 18,456 | 18,456 | - | 66.1 | 33.4 | 1995 | |
| 67,749 | 13,356 | 54,393 | 26,610 | 13,501 | 13,109 | 65.2 | 34.8 | 2000 | |
| 39,155 | 937 | 38,219 | 28,530 | 10,067 | 18,462 | 62.6 | 37.3 | 2001 | |
| 35,877 | 2,981 | 32,896 | 38,494 | 13,548 | 24,946 | 60.5 | 39.5 | 2002 | |
| 34,156 | 9,496 | 24,660 | 30,479 | 8,168 | 22,311 | 68.5 | 31.3 | 2003 | |
| 42,874 | 19,012 | 23,862 | 21,447 | 11,768 | 9,679 | 69.2 | 30.7 | 2004 | |
| 34,424 | - | 34,424 | 7,487 | 643 | 6,844 | 66.9 | 33.0 | 2005 | |
| 42,814 | 1,310 | 41,504 | 4,831 | - | 4,831 | 65.9 | 34.1 | 2006 | |
| 35,557 | 1,212 | 34,345 | 1,690 | - | 1,690 | 62.3 | 37.7 | 2007 | |
| 9,932 | 51 | 9,881 | - | - | - | 67.9 | 32.1 | 2008 | |
| 11,608 | 416 | 11,192 | 1,734 | - | 1,734 | 69.4 | 30.6 | 2009 | |
| 4,592 | - | 4,592 | 1,823 | - | 1,823 | 70.2 | 29.8 | 2010 | |
| 2,772 | - | 2,772 | 7,962 | - | 7,962 | 76.4 | 23.6 | 2011 | |
| 9,233 | - | 9,233 | 43,899 | - | 43,899 | 70.1 | 29.9 | 2012 | |
| 8,096 | 674 | 7,422 | 23,119 | 2,075 | 21,044 | 68.9 | 31.1 | 2013 | |
| 25,301 | 1,549 | 23,752 | 34,678 | 18,761 | 15,916 | 72.5 | 27.5 | 2014 | |
| 26,691 | 3,031 | 23,659 | 48,516 | 12,987 | 35,529 | 61.9 | 37.6 | 2015 | |
| 30,496 | 4,277 | 26,218 | 48,667 | 27,222 | 21,444 | 61.6 | 37.3 | 2016 | |
| 28,189 | 10,580 | 17,608 | 79,300 | 39,601 | 39,698 | 62.3 | 36.2 | 2017 | |
| 40,901 | 17,395 | 23,506 | 130,951 | 52,912 | 78,039 | 57.0 | 41.6 | 2018 | |
| 19,928 | 6,979 | 12,949 | 191,489 | 44,981 | 146,507 | 61.4 | 37.5 | 2019 | |
| 24,549 | 1,801 | 22,747 | 190,808 | 49,104 | 141,704 | 61.2 | 37.7 | 2020 | |
| 32,000 | 6,567 | 25,433 | 239,785 | 59,764 | 180,021 | 57.8 | 41.6 | 2021 | |
| 27,703 | 5,505 | 22,198 | 217,040 | 47,367 | 169,673 | 55.6 | 44.3 | 2022 ^p | |
| 3,346 | 600 | 2,746 | 23,874 | 2,935 | 20,939 | 58.9 | 41.0 | 6 | 2021 |
| 2,468 | 599 | 1,870 | 22,292 | 6,701 | 15,591 | 57.9 | 41.3 | 7 | |
| 3,038 | 696 | 2,342 | 21,927 | 3,991 | 17,936 | 54.7 | 44.3 | 8 | |
| 2,649 | - | 2,649 | 19,301 | 3,949 | 15,352 | 55.9 | 43.0 | 9 | |
| 3,878 | - | 3,878 | 20,442 | 4,764 | 15,678 | 51.4 | 47.8 | 10 | |
| 2,965 | 601 | 2,364 | 19,095 | 6,585 | 12,510 | 58.6 | 40.6 | 11 | |
| 2,019 | 628 | 1,391 | 15,740 | 3,971 | 11,769 | 60.4 | 39.6 | 12 | |
| 2,839 | - | 2,839 | 22,461 | 3,940 | 18,520 | 58.4 | 40.8 | 1 | 2022 ^p |
| 1,603 | 628 | 975 | 19,641 | 3,997 | 15,644 | 57.0 | 43.0 | 2 | |
| 2,459 | 626 | 1,832 | 17,664 | 1,962 | 15,703 | 63.2 | 36.8 | 3 | |
| 2,485 | 600 | 1,885 | 18,554 | 5,563 | 12,991 | 62.9 | 37.1 | 4 | |
| 3,398 | 601 | 2,796 | 15,288 | 4,334 | 10,954 | 60.5 | 39.5 | 5 | |
| 1,508 | 627 | 881 | 15,174 | 3,969 | 11,205 | 72.5 | 41.9 | 6 | |
| 2,043 | - | 2,043 | 19,309 | 3,986 | 15,323 | 68.2 | 47.5 | 7 | |
| 1,982 | 600 | 1,381 | 15,855 | 3,046 | 12,809 | 61.1 | 51.5 | 8 | |
| 4,154 | 572 | 3,582 | 15,687 | 3,903 | 11,784 | 50.9 | 49.1 | 9 | |
| 2,615 | 626 | 1,989 | 19,745 | 4,725 | 15,020 | 45.5 | 54.5 | 10 | |
| 1,483 | - | 1,483 | 18,481 | 3,805 | 14,676 | 52.8 | 47.2 | 11 | |
| 1,137 | 626 | 511 | 19,180 | 4,137 | 15,044 | 50.3 | 49.7 | 12 | |
| 1,067 | 626 | 440 | 18,365 | 1,971 | 16,394 | 48.5 | 51.5 | 1 | 2023 ^p |
| 626 | 626 | - | 17,609 | 3,991 | 13,618 | 46.9 | 53.1 | 2 | |
| 3,017 | 627 | 2,390 | 14,350 | 1,994 | 12,356 | 45.7 | 54.3 | 3 | |
| 601 | - | 601 | 14,541 | 1,967 | 12,574 | 46.4 | 53.6 | 4 | |
| 600 | 600 | - | 15,627 | 1,997 | 13,630 | 43.6 | 56.4 | 5 | |
| 1,440 | 1,000 | 440 | 15,020 | 2,000 | 13,020 | 59.2 | 56.5 | 6 | |
| 14,290 | 3,082 | 11,208 | 108,782 | 23,765 | 85,017 | 60.7 | 39.2 | 1-6 | 2022 ^p |
| 7,351 | 3,479 | 3,871 | 95,511 | 13,919 | 81,592 | 46.1 | 53.9 | 1-6 | 2023 ^p |

1. Includes the imports from toll processing and field development/delivery.

Source: Korea National Oil Corporation-PEDSIS

5.3 국별 원유 수입

| | | 합계 Total | 중동 Middle East | | | | | | |
|-------------------|-----|-------------|--|-------------------------|------------------|------------|----------------|------------|--------------|
| | | | 소계 ¹ Subtotal ¹ | 사우디아라비아 Saudi Arabia | 아랍에미레이트 U.A.E | 이란 Iran | 쿠웨이트 Kuwait | 오만 Oman | 카타르 Qatar |
| | | | 1,000 bbl | | | | | | |
| 1990 | | 308,368 | 229,017 | 39,616 | 49,877 | 34,287 | 17,069 | 63,686 | 6,610 |
| 1995 | | 624,945 | 486,528 | 226,863 | 70,536 | 68,314 | 25,233 | 55,131 | 10,871 |
| 2000 | | 893,943 | 686,916 | 264,925 | 128,064 | 81,251 | 66,627 | 46,632 | 45,722 |
| 2001 | | 859,367 | 661,649 | 255,432 | 128,405 | 80,413 | 64,407 | 53,639 | 42,157 |
| 2002 | | 790,992 | 579,865 | 240,765 | 105,905 | 51,512 | 56,996 | 42,053 | 35,330 |
| 2003 | | 804,809 | 639,453 | 250,473 | 138,869 | 63,682 | 65,885 | 40,927 | 46,780 |
| 2004 | | 825,790 | 645,183 | 253,849 | 145,598 | 64,974 | 64,659 | 32,832 | 45,581 |
| 2005 | | 843,203 | 689,356 | 249,337 | 150,608 | 70,767 | 79,679 | 38,799 | 53,122 |
| 2006 | | 888,794 | 730,843 | 261,563 | 158,865 | 75,058 | 92,620 | 36,273 | 49,871 |
| 2007 | | 872,541 | 704,020 | 249,887 | 141,887 | 85,793 | 94,031 | 14,760 | 46,088 |
| 2008 | | 864,872 | 746,458 | 262,637 | 158,109 | 73,016 | 104,593 | 16,670 | 64,402 |
| 2009 | | 835,085 | 705,363 | 254,799 | 114,592 | 81,437 | 100,090 | 17,507 | 53,673 |
| 2010 | | 872,415 | 713,647 | 276,787 | 105,656 | 72,605 | 103,079 | 12,152 | 64,362 |
| 2011 | | 927,044 | 807,908 | 291,348 | 87,234 | 87,184 | 117,370 | 16,715 | 93,146 |
| 2012 | | 947,292 | 805,971 | 303,049 | 86,536 | 56,146 | 137,647 | 8,761 | 103,825 |
| 2013 | | 915,075 | 786,813 | 286,588 | 110,809 | 48,214 | 139,853 | 3,543 | 86,090 |
| 2014 | | 927,524 | 778,923 | 292,592 | 108,472 | 44,923 | 136,546 | 6,516 | 100,127 |
| 2015 | | 1,026,107 | 844,637 | 305,779 | 99,835 | 42,400 | 141,856 | 2,897 | 123,228 |
| 2016 | | 1,078,119 | 926,201 | 324,448 | 87,743 | 111,942 | 159,273 | 16,317 | 88,150 |
| 2017 | | 1,118,167 | 913,446 | 319,221 | 90,971 | 147,873 | 160,368 | 3,876 | 64,934 |
| 2018 | | 1,116,281 | 820,994 | 323,174 | 72,030 | 58,202 | 162,005 | 1,471 | 65,980 |
| 2019 | | 1,071,923 | 752,564 | 296,871 | 88,811 | 33,230 | 150,587 | 360 | 64,293 |
| 2020 | | 980,259 | 676,409 | 325,808 | 77,563 | - | 129,699 | 3,907 | 59,735 |
| 2021 | | 960,147 | 574,430 | 281,774 | 56,809 | - | 101,721 | 6,574 | 50,610 |
| 2022 ^p | | 1,031,283 | 695,122 | 339,567 | 85,235 | - | 103,656 | 3,529 | 48,212 |
| 2021 | 6 | 80,165 | 45,491 | 21,969 | 4,495 | - | 6,841 | 1,954 | 4,475 |
| | 7 | 78,032 | 45,243 | 19,060 | 4,086 | - | 8,568 | 1,600 | 3,828 |
| | 8 | 82,826 | 47,514 | 24,897 | 3,633 | - | 8,083 | 1,001 | 3,999 |
| | 9 | 78,627 | 46,911 | 23,528 | 5,287 | - | 9,304 | - | 4,321 |
| | 10 | 85,129 | 49,796 | 25,207 | 3,087 | - | 8,341 | 1,019 | 6,348 |
| | 11 | 80,359 | 49,749 | 24,554 | 4,452 | - | 8,587 | - | 2,919 |
| 2022 ^p | 12 | 86,925 | 59,292 | 33,351 | 4,404 | - | 9,995 | - | 3,831 |
| | 1 | 94,792 | 60,465 | 31,602 | 5,322 | - | 11,836 | - | 5,627 |
| | 2 | 79,284 | 48,527 | 24,595 | 2,342 | - | 10,062 | - | 4,251 |
| | 3 | 85,558 | 55,742 | 28,060 | 4,432 | - | 11,243 | - | 2,574 |
| | 4 | 86,216 | 53,456 | 26,003 | 5,963 | - | 9,683 | 525 | 3,419 |
| | 5 | 81,610 | 54,532 | 27,181 | 4,898 | - | 6,783 | - | 5,041 |
| 2023 ^p | 6 | 74,055 | 47,520 | 21,179 | 6,832 | - | 6,558 | - | 3,478 |
| | 7 | 98,176 | 71,343 | 28,220 | 15,830 | - | 9,123 | 2,504 | 3,654 |
| | 8 | 96,917 | 71,657 | 37,157 | 9,194 | - | 6,993 | 500 | 7,103 |
| | 9 | 84,633 | 61,702 | 28,798 | 8,411 | - | 8,885 | - | 3,096 |
| | 10 | 79,527 | 52,950 | 27,654 | 7,153 | - | 5,965 | - | 3,342 |
| | 11 | 82,947 | 56,870 | 28,702 | 5,706 | - | 8,454 | - | 3,627 |
| 2023 ^p | 12 | 87,568 | 60,357 | 30,415 | 9,154 | - | 8,074 | - | 3,002 |
| | 1 | 81,634 | 55,819 | 27,833 | 5,754 | - | 8,363 | - | 4,820 |
| | 2 | 87,163 | 62,128 | 25,576 | 10,954 | - | 7,214 | - | 6,181 |
| | 3 | 91,780 | 65,085 | 30,381 | 8,340 | - | 9,158 | - | 6,192 |
| | 4 | 81,137 | 58,541 | 29,525 | 6,717 | - | 7,393 | - | 6,696 |
| | 5 | 85,788 | 60,844 | 24,294 | 10,691 | - | 7,914 | - | 8,938 |
| 2022 ^p | 6 | 76,849 | 56,348 | 24,105 | 8,189 | - | 6,876 | 950 | 5,665 |
| | | | | | | | | | |
| 2022 ^p | 1-6 | 501,515 | 320,243 | 158,620 | 29,789 | - | 56,163 | 525 | 24,389 |
| 2023 ^p | 1-6 | 504,350 | 358,764 | 161,713 | 50,645 | - | 46,917 | 950 | 38,492 |

1. 기타 국가 물량 포함.

2. 아프리카 국가는 나이지리아, 알제리, 가봉 등임.

3. 아메리카 국가는 미국, 캐나다, 멕시코, 브라질 등임.

4. 유럽 국가는 노르웨이, 영국 등임.

자료 : 한국석유공사-PEDSIS

Crude Oil Imports by Country

| 아시아 Asia | | | | | 아프리카 ² | 아메리카 ³ | 유럽 ⁴ | |
|-----------------------|-----------|----------|-----------|--------|---------------------|----------------------|---------------------|-----------------------|
| 소계 ¹ | 인도네시아 | 말레이시아 | 호주 | 브루나이 | | | | |
| Subtotal ¹ | Indonesia | Malaysia | Australia | Brunei | Africa ² | America ³ | Europe ⁴ | |
| 1,000 bbl | | | | | | | | |
| 62,530 | 19,096 | 23,135 | 689 | 11,514 | 9,689 | 7,132 | - | 1990 |
| 82,050 | 31,367 | 13,339 | 4,939 | 11,938 | 37,911 | 18,456 | - | 1995 |
| 112,669 | 36,762 | 17,732 | 34,990 | 8,649 | 67,749 | 21,365 | 5,245 | 2000 |
| 130,033 | 45,228 | 19,838 | 32,879 | 9,631 | 39,155 | 25,469 | 3,061 | 2001 |
| 136,756 | 42,457 | 14,247 | 39,552 | 11,508 | 35,877 | 30,282 | 8,212 | 2002 |
| 100,721 | 33,672 | 11,101 | 25,396 | 11,247 | 34,156 | 28,543 | 1,936 | 2003 |
| 116,287 | 38,104 | 13,785 | 32,068 | 10,897 | 42,874 | 21,447 | - | 2004 |
| 111,937 | 37,703 | 13,037 | 31,879 | 10,558 | 34,424 | 5,363 | 2,124 | 2005 |
| 110,306 | 23,359 | 12,747 | 34,652 | 13,210 | 42,814 | 4,831 | - | 2006 |
| 131,273 | 17,603 | 12,991 | 39,101 | 9,224 | 35,557 | 1,690 | - | 2007 |
| 108,482 | 16,308 | 11,155 | 34,499 | 10,644 | 9,932 | - | - | 2008 |
| 116,379 | 20,115 | 6,271 | 34,423 | 9,596 | 11,608 | 1,734 | - | 2009 |
| 152,354 | 29,668 | 9,032 | 31,735 | 12,668 | 4,592 | 1,823 | - | 2010 |
| 108,402 | 21,008 | 8,961 | 15,101 | 12,324 | 2,772 | 2,796 | 5,166 | 2011 |
| 88,190 | 20,588 | 4,909 | 7,723 | 9,923 | 9,233 | 314 | 43,585 | 2012 |
| 97,047 | 13,242 | 5,099 | 15,992 | 7,606 | 8,096 | 329 | 22,790 | 2013 |
| 88,623 | 9,080 | 4,353 | 20,861 | 5,702 | 25,301 | 10,053 | 24,625 | 2014 |
| 106,263 | 8,475 | 2,833 | 17,694 | 4,808 | 26,691 | 23,255 | 25,261 | 2015 |
| 72,756 | 6,412 | 1,554 | 12,049 | 3,001 | 30,496 | 30,080 | 18,587 | 2016 |
| 97,233 | 8,624 | 3,606 | 11,679 | 2,606 | 28,189 | 44,453 | 34,847 | 2017 |
| 122,832 | 7,008 | 2,803 | 11,092 | 3,213 | 40,901 | 95,094 | 36,461 | 2018 |
| 107,943 | 2,742 | 1,556 | 7,886 | 1,873 | 19,928 | 187,735 | 3,753 | 2019 |
| 88,493 | 351 | 1,582 | 14,564 | 1,481 | 24,549 | 173,044 | 17,765 | 2020 |
| 113,932 | 586 | 315 | 22,009 | - | 32,000 | 204,188 | 35,597 | 2021 |
| 91,418 | - | 649 | 20,668 | 581 | 27,703 | 204,604 | 12,436 | 2022 ^p |
| 7,454 | - | - | 1,325 | - | 3,346 | 20,844 | 3,030 | 6 2021 |
| 8,029 | - | - | 2,004 | - | 2,468 | 20,513 | 1,780 | 7 |
| 10,348 | 301 | - | 1,880 | - | 3,038 | 18,758 | 3,169 | 8 |
| 9,766 | - | - | 2,683 | - | 2,649 | 16,206 | 3,095 | 9 |
| 11,012 | - | - | 2,691 | - | 3,878 | 15,620 | 4,822 | 10 |
| 8,550 | - | - | 2,017 | - | 2,965 | 18,048 | 1,047 | 11 |
| 9,875 | - | - | 1,382 | - | 2,019 | 12,691 | 3,049 | 12 |
| 9,028 | - | - | 650 | - | 2,839 | 21,944 | 516 | 1 2022 ^p |
| 9,513 | - | - | 1,917 | - | 1,603 | 17,484 | 2,157 | 2 |
| 9,693 | - | - | 1,300 | - | 2,459 | 17,664 | - | 3 |
| 11,721 | - | 399 | 1,709 | - | 2,485 | 16,486 | 2,069 | 4 |
| 8,392 | - | - | 3,929 | 581 | 3,398 | 13,299 | 1,989 | 5 |
| 9,853 | - | 250 | 2,530 | - | 1,508 | 14,109 | 1,065 | 6 |
| 5,480 | - | - | 1,333 | - | 2,043 | 17,493 | 1,816 | 7 |
| 7,424 | - | - | 3,313 | - | 1,982 | 15,855 | - | 8 |
| 3,090 | - | - | 1,274 | - | 4,154 | 13,631 | 2,056 | 9 |
| 4,217 | - | - | - | - | 2,615 | 18,977 | 768 | 10 |
| 6,114 | - | - | 1,112 | - | 1,483 | 18,481 | - | 11 |
| 6,895 | - | - | 1,600 | - | 1,137 | 19,180 | - | 12 |
| 6,384 | 226 | - | 2,988 | - | 1,067 | 18,365 | - | 1 2023 ^p |
| 6,800 | - | - | 1,972 | - | 626 | 17,609 | - | 2 |
| 9,328 | - | - | 2,365 | - | 3,017 | 14,350 | - | 3 |
| 7,454 | - | - | 2,620 | - | 601 | 13,814 | 727 | 4 |
| 8,717 | - | 292 | 2,177 | - | 600 | 15,627 | - | 5 |
| 4,041 | - | - | 1,959 | - | 1,440 | 15,020 | - | 6 |
| 58,199 | - | 649 | 12,036 | 581 | 14,290 | 100,986 | 7,796 | 1-6 2022 ^p |
| 42,724 | 226 | 292 | 14,080 | - | 7,351 | 94,784 | 727 | 1-6 2023 ^p |

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

2. Africa nations includes Nigeria, Algeria, Gabon, etc.

3. America nations includes U.S., Canada, Mexico, Brazil, etc.

4. Europe nations includes Norway, UK, etc.

Source: Korea National Oil Corporation-PEDSIS

5.4 석유정제 및 전환공정 투입

| | | 석유정제 Petroleum Refining | | | | | | |
|-------------------|-----------------------|---|----------------------------|----------------|--------------|-----------------|-----------------|----------------|
| | | 원유 및 정제원료 투입 Petroleum Refining Inputs | 정제생산 Petroleum Products | 1,000 bbl | | | | |
| | | | | 프로판 Propane | 부탄 Butane | 휘발유 Gasoline | 항공유 Air Fuel | 등유 Kerosene |
| | | | | | | | | |
| 1990 | | 313,973 | 300,671 | 3,345 | 8,812 | 23,985 | 16,405 | 13,600 |
| 1995 | | 649,293 | 630,447 | 4,506 | 11,510 | 60,445 | 34,981 | 40,852 |
| 2000 | | 897,543 | 898,150 | 10,905 | 25,044 | 76,336 | 59,568 | 87,824 |
| 2001 | | 869,395 | 875,425 | 10,407 | 28,928 | 76,502 | 65,251 | 75,525 |
| 2002 | | 809,469 | 818,580 | 9,626 | 30,835 | 76,744 | 67,734 | 62,721 |
| 2003 | | 794,658 | 797,438 | 10,526 | 29,794 | 71,385 | 55,020 | 64,500 |
| 2004 | | 832,238 | 841,987 | 11,033 | 30,194 | 74,969 | 76,644 | 50,535 |
| 2005 | | 860,864 | 886,181 | 11,182 | 28,887 | 73,877 | 84,904 | 45,271 |
| 2006 | | 881,453 | 894,250 | 11,209 | 26,973 | 80,616 | 95,490 | 41,220 |
| 2007 | | 882,291 | 890,883 | 10,227 | 26,000 | 78,375 | 105,699 | 30,021 |
| 2008 | | 863,787 | 875,161 | 12,968 | 23,218 | 93,710 | 107,675 | 31,846 |
| 2009 | | 835,024 | 846,060 | 15,274 | 21,128 | 106,615 | 102,664 | 33,348 |
| 2010 | | 869,469 | 900,247 | 17,149 | 18,282 | 108,921 | 105,458 | 39,176 |
| 2011 | | 926,980 | 944,587 | 10,992 | 14,207 | 122,473 | 118,137 | 35,813 |
| 2012 | | 955,613 | 978,095 | 12,544 | 13,798 | 136,490 | 130,697 | 32,625 |
| 2013 | | 922,923 | 967,180 | 11,373 | 14,405 | 134,758 | 129,990 | 28,204 |
| 2014 | | 939,156 | 988,461 | 11,467 | 17,560 | 145,127 | 135,208 | 23,097 |
| 2015 | | 1,029,608 | 1,072,558 | 11,052 | 19,424 | 156,999 | 151,720 | 24,958 |
| 2016 | | 1,085,610 | 1,118,794 | 8,127 | 18,142 | 154,036 | 160,738 | 25,688 |
| 2017 | | 1,153,915 | 1,185,996 | 10,509 | 23,422 | 160,624 | 174,006 | 25,606 |
| 2018 | | 1,175,276 | 1,207,900 | 9,127 | 24,200 | 169,511 | 170,998 | 26,829 |
| 2019 | | 1,159,008 | 1,196,345 | 6,833 | 22,216 | 170,280 | 170,766 | 21,485 |
| 2020 | | 1,089,285 | 1,112,863 | 4,713 | 19,105 | 151,393 | 112,582 | 44,372 |
| 2021 | | 1,089,068 | 1,113,422 | 6,706 | 17,735 | 178,751 | 97,182 | 53,657 |
| 2022 ^p | | 1,155,425 | 1,189,404 | 2,224 | 17,488 | 183,838 | 122,855 | 47,659 |
| 2021 | 6 | 87,033 | 88,659 | 493 | 1,493 | 14,567 | 8,685 | 3,364 |
| | 7 | 93,095 | 94,860 | 333 | 1,671 | 15,926 | 10,042 | 3,294 |
| | 8 | 96,432 | 98,150 | 491 | 1,536 | 15,737 | 9,322 | 3,843 |
| | 9 | 89,825 | 91,501 | 496 | 1,352 | 15,524 | 8,394 | 3,964 |
| | 10 | 94,217 | 95,944 | 478 | 1,288 | 16,248 | 8,456 | 4,811 |
| | 11 | 91,604 | 93,858 | 626 | 1,400 | 15,707 | 8,082 | 4,244 |
| 2022 ^p | 12 | 97,671 | 100,677 | 489 | 1,369 | 16,685 | 8,139 | 5,758 |
| | 1 | 99,599 | 102,899 | 484 | 1,641 | 16,289 | 8,117 | 6,298 |
| | 2 | 89,389 | 92,167 | 127 | 1,301 | 14,717 | 8,149 | 5,067 |
| | 3 | 96,985 | 99,943 | 178 | 1,481 | 15,465 | 8,570 | 4,209 |
| | 4 | 91,387 | 94,008 | 207 | 1,502 | 13,865 | 10,429 | 3,576 |
| | 5 | 95,946 | 99,271 | 230 | 1,614 | 15,434 | 10,737 | 2,954 |
| 2023 ^p | 6 | 91,203 | 93,970 | 345 | 1,382 | 15,241 | 9,941 | 2,127 |
| | 7 | 103,079 | 105,604 | 171 | 1,656 | 16,503 | 12,600 | 2,796 |
| | 8 | 103,049 | 106,119 | 98 | 1,735 | 16,088 | 12,532 | 3,642 |
| | 9 | 95,878 | 98,977 | 111 | 1,490 | 15,500 | 10,865 | 3,527 |
| | 10 | 94,235 | 96,624 | -37 | 1,290 | 14,169 | 10,281 | 3,546 |
| | 11 | 96,016 | 98,231 | 132 | 1,101 | 14,580 | 10,354 | 4,751 |
| 2023 ^p | 12 | 98,659 | 101,591 | 179 | 1,295 | 15,986 | 10,280 | 5,166 |
| | 1 | 97,024 | 99,943 | 162 | 1,179 | 15,540 | 9,504 | 5,896 |
| | 2 | 90,398 | 93,129 | 330 | 1,275 | 14,840 | 10,829 | 4,382 |
| | 3 | 97,319 | 100,028 | 220 | 1,843 | 14,510 | 12,598 | 3,029 |
| | 4 | 94,098 | 96,824 | 277 | 1,680 | 13,606 | 12,295 | 2,985 |
| | 5 | 102,390 | 106,210 | 330 | 2,105 | 15,627 | 12,999 | 3,444 |
| 2022 ^p | 1-6 | 564,509 | 582,258 | 1,571 | 8,921 | 91,012 | 55,943 | 24,230 |
| | 2023 ^p 1-6 | 565,504 | 583,034 | 1,819 | 9,651 | 88,155 | 68,488 | 22,045 |

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

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

자료: 한국석유공사-PEDSIS

Petroleum Refining and Energy Transformation Processes

| | | | | 발전 및 열생산 투입 ¹ Power Generation & Others ¹ | | | | |
|--------------|----------------|---------------|--|--|------------|------------------|-------------------|-------------------|
| | | | | 발전전용 Electricity-only | 열병합 CHP | 열전용 Heat-only | | |
| 경유 Diesel | 중유 Fuel Oil | 납사 Naphtha | 기타 ² 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 | 37,706 | 32,247 | 6,281 | 2,715 | 2000 | |
| 218,943 | 225,792 | 135,983 | 38,095 | 35,154 | 6,375 | 3,191 | 2001 | |
| 205,437 | 189,808 | 133,103 | 42,572 | 30,017 | 6,386 | 3,387 | 2002 | |
| 200,644 | 204,384 | 116,501 | 44,684 | 30,515 | 6,110 | 3,840 | 2003 | |
| 215,217 | 202,451 | 131,886 | 49,057 | 24,114 | 5,756 | 4,298 | 2004 | |
| 229,813 | 211,249 | 138,131 | 62,867 | 21,710 | 4,013 | 4,062 | 2005 | |
| 236,329 | 207,786 | 142,343 | 52,285 | 23,530 | 3,644 | 3,533 | 2006 | |
| 250,438 | 185,083 | 149,630 | 55,411 | 25,439 | 2,737 | 3,213 | 2007 | |
| 267,800 | 151,959 | 124,344 | 61,642 | 13,711 | 2,054 | 2,385 | 2008 | |
| 258,387 | 126,246 | 116,317 | 66,081 | 19,584 | 2,229 | 2,306 | 2009 | |
| 267,196 | 125,491 | 133,950 | 84,626 | 18,201 | 1,767 | 2,403 | 2010 | |
| 292,885 | 124,722 | 149,304 | 76,055 | 13,728 | 707 | 1,709 | 2011 | |
| 309,772 | 102,477 | 157,199 | 82,493 | 22,222 | 176 | 1,300 | 2012 | |
| 299,242 | 81,718 | 160,125 | 107,364 | 22,726 | 235 | 1,274 | 2013 | |
| 315,056 | 55,781 | 166,557 | 118,608 | 10,433 | 592 | 1,036 | 2014 | |
| 334,360 | 59,004 | 195,261 | 119,779 | 12,079 | 773 | 767 | 2015 | |
| 339,998 | 72,756 | 213,617 | 125,690 | 18,500 | 807 | 1,251 | 2016 | |
| 347,167 | 70,065 | 249,148 | 125,448 | 7,042 | 1,019 | 1,184 | 2017 | |
| 360,752 | 70,667 | 248,724 | 127,093 | 8,016 | 591 | 1,099 | 2018 | |
| 367,540 | 59,492 | 254,353 | 123,381 | 5,287 | 397 | 1,711 | 2019 | |
| 351,861 | 77,276 | 224,925 | 126,636 | 3,377 | 449 | 1,594 | 2020 | |
| 337,745 | 77,512 | 214,883 | 129,249 | 3,811 | 377 | 1,773 | 2021 | |
| 363,454 | 93,575 | 224,504 | 133,807 | 4,056 | 967 | 1,683 | 2022 ^p | |
| 27,144 | 6,402 | 15,315 | 11,196 | 302 | 44 | 47 | 6 | 2021 |
| 28,326 | 7,117 | 16,295 | 11,856 | 540 | 37 | 85 | 7 | |
| 29,852 | 7,106 | 18,765 | 11,496 | 228 | 14 | 82 | 8 | |
| 27,655 | 6,349 | 16,829 | 10,937 | 433 | 30 | 79 | 9 | |
| 29,149 | 6,280 | 17,868 | 11,366 | 381 | 51 | 118 | 10 | |
| 28,202 | 7,038 | 17,677 | 10,883 | 327 | 56 | 168 | 11 | |
| 29,710 | 8,086 | 19,144 | 11,298 | 234 | 88 | 291 | 12 | |
| 30,312 | 8,646 | 19,566 | 11,546 | 780 | 159 | 354 | 1 | 2022 ^p |
| 27,607 | 7,467 | 17,014 | 10,718 | 398 | 162 | 294 | 2 | |
| 30,500 | 7,551 | 20,434 | 11,555 | 366 | 39 | 200 | 3 | |
| 27,495 | 7,256 | 18,710 | 10,967 | 237 | 16 | 143 | 4 | |
| 30,480 | 7,547 | 18,808 | 11,467 | 289 | 19 | 19 | 5 | |
| 29,327 | 5,633 | 18,662 | 11,314 | 277 | 73 | 39 | 6 | |
| 33,480 | 8,840 | 18,782 | 10,776 | 324 | 133 | 52 | 7 | |
| 33,393 | 8,104 | 19,408 | 11,118 | 331 | 116 | 23 | 8 | |
| 30,450 | 7,636 | 18,684 | 10,713 | 257 | 77 | 42 | 9 | |
| 30,611 | 7,964 | 17,777 | 11,024 | 243 | 96 | 110 | 10 | |
| 29,291 | 8,746 | 18,262 | 11,014 | 271 | 36 | 138 | 11 | |
| 30,507 | 8,186 | 18,397 | 11,594 | 281 | 41 | 270 | 12 | |
| 30,563 | 6,702 | 18,810 | 11,587 | 274 | 68 | 278 | 1 | 2023 ^p |
| 27,497 | 6,398 | 17,101 | 10,478 | 208 | 49 | 233 | 2 | |
| 29,906 | 7,918 | 19,198 | 10,806 | 282 | 26 | 175 | 3 | |
| 28,189 | 7,262 | 19,813 | 10,719 | 250 | 22 | 110 | 4 | |
| 31,260 | 5,838 | 22,602 | 12,004 | 250 | 28 | 33 | 5 | |
| 26,137 | 5,457 | 16,788 | 9,845 | 212 | 20 | 12 | 6 | |
| 175,721 | 44,100 | 113,194 | 67,567 | 2,348 | 468 | 1,049 | 1-6 | 2022 ^p |
| 173,551 | 39,575 | 114,312 | 65,439 | 1,477 | 213 | 842 | 1-6 | 2023 ^p |

1. Power generation and heat production inputs of petroleum products

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

Source: Korea National Oil Corporation-PEDSIS

5.5 석유제품 수급

| | | 공급 Supply | | | | | | |
|-------------------|-------------------|-------------------|-------------------|---------------------------------------|-----------------|---------------------|------------------------------------|---------|
| | | 수입 Imports | 수출 Exports | 국제병커링 International Bunkers | 재고 Stock | 일차에너지공급 TPES | 정제생산 Refining Production | |
| | | | | | | | | |
| | | | | | | | | |
| 1,000 bbl | | | | | | | | |
| 1990 | | 101,248 | 27,184 | 28,800 | 19,576 | 40,098 | 300,671 | |
| 1995 | | 205,428 | 122,630 | 65,812 | 37,636 | 15,703 | 630,447 | |
| 2000 | | 204,301 | 303,723 | 86,266 | 49,343 | -192,548 | 898,150 | |
| 2001 | | 204,757 | 292,469 | 84,520 | 48,743 | -171,636 | 875,425 | |
| 2002 | | 228,543 | 235,567 | 85,181 | 42,770 | -86,232 | 818,580 | |
| 2003 | | 219,897 | 203,343 | 90,960 | 41,638 | -73,245 | 797,438 | |
| 2004 | | 195,110 | 227,306 | 95,034 | 49,853 | -135,444 | 841,987 | |
| 2005 | | 179,354 | 262,647 | 95,725 | 42,588 | -169,499 | 886,181 | |
| 2006 | | 191,560 | 278,632 | 90,973 | 45,528 | -181,396 | 894,250 | |
| 2007 | | 209,130 | 279,659 | 94,500 | 43,415 | -162,651 | 890,883 | |
| 2008 | | 224,614 | 317,870 | 88,709 | 38,834 | -177,384 | 875,161 | |
| 2009 | | 267,832 | 312,654 | 81,534 | 35,815 | -123,336 | 846,060 | |
| 2010 | | 276,849 | 340,597 | 87,436 | 40,346 | -153,952 | 900,247 | |
| 2011 | | 279,260 | 394,944 | 86,801 | 39,836 | -201,682 | 944,587 | |
| 2012 | | 309,599 | 425,574 | 85,120 | 46,527 | -207,786 | 978,095 | |
| 2013 | | 329,205 | 429,291 | 85,548 | 49,243 | -186,766 | 967,180 | |
| 2014 | | 326,623 | 448,822 | 86,802 | 49,361 | -209,090 | 988,461 | |
| 2015 | | 307,875 | 477,425 | 93,774 | 51,412 | -265,370 | 1,072,558 | |
| 2016 | | 334,608 | 487,716 | 105,124 | 50,162 | -255,629 | 1,118,794 | |
| 2017 | | 314,487 | 509,113 | 103,695 | 51,867 | -299,983 | 1,185,996 | |
| 2018 | | 341,628 | 531,563 | 102,293 | 62,772 | -303,132 | 1,207,900 | |
| 2019 | | 352,147 | 522,099 | 94,656 | 54,709 | -256,545 | 1,196,345 | |
| 2020 | | 347,302 | 468,529 | 90,868 | 53,557 | -210,942 | 1,112,863 | |
| 2021 | | 392,317 | 446,559 | 89,844 | 52,402 | -142,976 | 1,113,422 | |
| 2022 ^p | | 367,072 | 497,020 | 102,335 | 52,353 | -232,234 | 1,189,404 | |
| 2021 | 6 | 32,969 | 35,495 | 6,611 | 53,378 | -9,055 | 88,659 | |
| | 7 | 36,845 | 41,591 | 7,209 | 54,559 | -13,136 | 94,860 | |
| | 8 | 34,727 | 36,526 | 7,916 | 61,203 | -16,359 | 98,150 | |
| | 9 | 34,859 | 40,736 | 7,512 | 57,471 | -9,657 | 91,501 | |
| | 10 | 34,012 | 41,635 | 8,607 | 57,437 | -16,197 | 95,944 | |
| | 11 | 31,488 | 38,991 | 8,200 | 56,072 | -14,338 | 93,858 | |
| | 12 | 37,887 | 40,687 | 8,933 | 52,402 | -8,063 | 100,677 | |
| | | | | | | | | |
| | 2022 ^p | 1 | 36,217 | 36,958 | 9,022 | 56,087 | -13,449 | 102,899 |
| | | 2 | 33,031 | 38,031 | 7,333 | 58,906 | -15,153 | 92,167 |
| | | 3 | 31,552 | 40,456 | 8,669 | 59,851 | -18,517 | 99,943 |
| | | 4 | 28,690 | 39,254 | 7,845 | 61,756 | -20,314 | 94,008 |
| 5 | | 28,596 | 43,300 | 8,236 | 56,366 | -17,551 | 99,271 | |
| 6 | | 26,544 | 35,845 | 7,642 | 59,714 | -20,292 | 93,970 | |
| 7 | | 34,130 | 47,122 | 9,143 | 61,349 | -23,771 | 105,604 | |
| 8 | | 28,406 | 50,944 | 8,886 | 54,589 | -24,663 | 106,119 | |
| 9 | | 26,744 | 42,045 | 8,075 | 56,050 | -24,838 | 98,977 | |
| 10 | | 31,149 | 40,504 | 8,677 | 58,566 | -20,548 | 96,624 | |
| 11 | | 31,469 | 39,772 | 8,979 | 61,305 | -20,021 | 98,231 | |
| 12 | | 30,545 | 42,789 | 9,826 | 52,353 | -13,118 | 101,591 | |
| 2023 ^p | 1 | 33,359 | 39,244 | 9,128 | 53,676 | -16,335 | 99,943 | |
| | 2 | 34,435 | 40,787 | 7,879 | 57,867 | -18,422 | 93,129 | |
| | 3 | 31,283 | 43,213 | 9,097 | 53,556 | -16,716 | 100,028 | |
| | 4 | 24,379 | 37,423 | 8,945 | 57,983 | -26,416 | 96,824 | |
| | 5 | 27,036 | 45,479 | 9,004 | 60,459 | -29,922 | 106,210 | |
| | 6 | 27,597 | 36,009 | 8,988 | 58,122 | -15,064 | 86,899 | |
| | | | | | | | | |
| 2022 ^p | 1-6 | 184,629 | 233,844 | 48,748 | 59,714 | -105,275 | 582,258 | |
| 2023 ^p | 1-6 | 178,090 | 242,156 | 53,040 | 58,122 | -122,875 | 583,034 | |

1. 가정, 상업, 공공부문 합계
 자료: 한국석유공사-PEDSIS

Petroleum Products Overview

| 소비 Consumption | | | | | | | |
|---|--|---------|----------------|-----------------|--|-------------------|-------------------|
| 발전 및 열생산 투입 Power Generatoin & Others | 에너지산업 자체소비 Energy Industry Own Use | 최종소비 | | | | | |
| | | 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 | 112,622 | 2000 | |
| 44,720 | 32,992 | 625,752 | 326,851 | 192,874 | 106,027 | 2001 | |
| 39,790 | 32,289 | 646,205 | 338,473 | 205,299 | 102,433 | 2002 | |
| 40,464 | 31,979 | 648,500 | 339,475 | 211,798 | 97,227 | 2003 | |
| 34,169 | 32,274 | 642,486 | 345,018 | 212,454 | 85,014 | 2004 | |
| 29,785 | 32,920 | 640,864 | 349,108 | 215,907 | 75,849 | 2005 | |
| 30,707 | 32,838 | 650,245 | 357,382 | 223,716 | 69,147 | 2006 | |
| 31,389 | 34,043 | 664,737 | 376,104 | 223,823 | 64,809 | 2007 | |
| 18,150 | 38,291 | 641,487 | 361,752 | 218,940 | 60,795 | 2008 | |
| 24,119 | 36,935 | 660,470 | 381,381 | 220,471 | 58,619 | 2009 | |
| 22,370 | 33,486 | 681,595 | 397,694 | 223,353 | 60,548 | 2010 | |
| 16,144 | 36,212 | 685,590 | 406,387 | 222,535 | 56,668 | 2011 | |
| 23,699 | 38,174 | 699,879 | 419,861 | 227,457 | 52,561 | 2012 | |
| 24,235 | 38,481 | 703,082 | 422,641 | 230,691 | 49,749 | 2013 | |
| 12,062 | 39,214 | 709,141 | 428,460 | 232,807 | 47,873 | 2014 | |
| 13,619 | 43,815 | 734,541 | 433,558 | 247,511 | 53,472 | 2015 | |
| 20,557 | 46,091 | 782,758 | 469,195 | 257,307 | 56,256 | 2016 | |
| 9,245 | 40,467 | 801,275 | 487,121 | 257,708 | 56,447 | 2017 | |
| 9,706 | 41,509 | 788,210 | 478,445 | 256,066 | 53,700 | 2018 | |
| 7,396 | 41,642 | 796,132 | 483,878 | 263,189 | 49,065 | 2019 | |
| 5,420 | 41,306 | 752,269 | 462,169 | 245,380 | 44,720 | 2020 | |
| 5,961 | 38,312 | 809,098 | 505,836 | 259,041 | 44,221 | 2021 | |
| 6,706 | 39,074 | 798,903 | 496,939 | 258,008 | 43,955 | 2022 ^p | |
| 393 | 3,085 | 67,161 | 41,302 | 23,103 | 2,756 | 6 | 2021 |
| 663 | 3,277 | 67,717 | 43,242 | 22,099 | 2,376 | 7 | |
| 324 | 3,266 | 68,023 | 43,964 | 21,552 | 2,507 | 8 | |
| 541 | 3,029 | 68,834 | 44,132 | 21,795 | 2,907 | 9 | |
| 550 | 3,190 | 66,421 | 42,066 | 20,637 | 3,718 | 10 | |
| 551 | 3,143 | 65,830 | 40,608 | 21,338 | 3,885 | 11 | |
| 613 | 3,411 | 78,229 | 47,940 | 24,730 | 5,559 | 12 | |
| 1,293 | 3,554 | 75,821 | 47,017 | 22,643 | 6,161 | 1 | 2022 ^p |
| 853 | 3,270 | 64,486 | 39,889 | 19,224 | 5,373 | 2 | |
| 606 | 3,328 | 67,931 | 45,276 | 18,708 | 3,946 | 3 | |
| 396 | 2,958 | 63,313 | 43,016 | 17,626 | 2,671 | 4 | |
| 328 | 3,087 | 68,828 | 41,045 | 25,086 | 2,696 | 5 | |
| 389 | 3,124 | 59,277 | 38,217 | 18,900 | 2,160 | 6 | |
| 509 | 3,213 | 68,492 | 43,253 | 22,894 | 2,346 | 7 | |
| 471 | 3,459 | 69,315 | 41,517 | 25,219 | 2,580 | 8 | |
| 376 | 3,191 | 61,260 | 38,614 | 20,141 | 2,504 | 9 | |
| 449 | 3,147 | 62,862 | 36,970 | 22,334 | 3,559 | 10 | |
| 445 | 3,183 | 63,604 | 39,567 | 20,121 | 3,915 | 11 | |
| 592 | 3,559 | 73,714 | 42,558 | 25,112 | 6,044 | 12 | |
| 620 | 4,063 | 66,896 | 41,516 | 19,956 | 5,423 | 1 | 2023 ^p |
| 490 | 3,745 | 60,569 | 37,558 | 18,402 | 4,609 | 2 | |
| 483 | 3,863 | 68,937 | 42,391 | 22,941 | 3,605 | 3 | |
| 382 | 3,556 | 58,399 | 36,709 | 18,594 | 3,096 | 4 | |
| 311 | 3,888 | 62,918 | 37,465 | 22,660 | 2,792 | 5 | |
| 244 | 3,128 | 58,829 | 35,739 | 20,835 | 2,256 | 6 | |
| 3,865 | 19,322 | 399,656 | 254,460 | 122,188 | 23,008 | 1-6 | 2022 ^p |
| 2,531 | 22,241 | 376,547 | 231,378 | 123,387 | 21,781 | 1-6 | 2023 ^p |

1. Sum of residential, commercial and public sector
Source: Korea National Oil Corporation-PEDSIS

5.5.1 프로판

Propane

| | 공급 Supply | | | | | 소비 Consumption | | | | | | |
|-----------------------|--------------|-----|-----|-------------|-------|-------------------|---------------|-------|----------------|-----------------|--|-----|
| | 수입 | 수출 | 재고 | 일차에너지 공급 | 정제생산 | 발전 및 열생산 투입 | 에너지산업자체 소비 | 최종소비 | | | | |
| | | | | | | | | TFC | 산업 Industry | 수송 Transport | 건물 ¹ Building ¹ | |
| | | | | | | | | | | | | |
| 1,000 ton | | | | | | | | | | | | |
| 1990 | 1,787 | 48 | 145 | 1,655 | 270 | - | 218 | 1,710 | 107 | 12 | 1,590 | |
| 1995 | 3,502 | 143 | 37 | 3,384 | 364 | - | 1,032 | 2,702 | 485 | 12 | 2,206 | |
| 2000 | 3,248 | 427 | 153 | 2,849 | 881 | - | 263 | 3,460 | 1,043 | 6 | 2,411 | |
| 2001 | 2,599 | 193 | 111 | 2,448 | 841 | - | 19 | 3,119 | 766 | 3 | 2,351 | |
| 2002 | 3,057 | 128 | 204 | 2,835 | 778 | 0 | 15 | 3,385 | 974 | 8 | 2,403 | |
| 2003 | 2,853 | 141 | 265 | 2,652 | 850 | 0 | 13 | 3,128 | 889 | 8 | 2,231 | |
| 2004 | 2,641 | 41 | 317 | 2,547 | 891 | 0 | 13 | 2,893 | 903 | 7 | 1,983 | |
| 2005 | 2,623 | 24 | 252 | 2,660 | 903 | 0 | 40 | 2,914 | 1,079 | 1 | 1,835 | |
| 2006 | 2,590 | 32 | 262 | 2,548 | 905 | 0 | 31 | 2,945 | 1,130 | 1 | 1,815 | |
| 2007 | 2,641 | 27 | 154 | 2,730 | 826 | 0 | 58 | 2,972 | 1,184 | 0 | 1,788 | |
| 2008 | 2,510 | 21 | 123 | 2,521 | 1,047 | 0 | 46 | 2,806 | 1,229 | 2 | 1,574 | |
| 2009 | 2,617 | 10 | 108 | 2,622 | 1,234 | 1 | 68 | 3,109 | 1,513 | 1 | 1,595 | |
| 2010 | 2,845 | 74 | 113 | 2,766 | 1,385 | 0 | 69 | 3,161 | 1,607 | 1 | 1,553 | |
| 2011 | 3,115 | 60 | 134 | 3,034 | 888 | 0 | 60 | 2,952 | 1,473 | 1 | 1,478 | |
| 2012 | 2,982 | 126 | 115 | 2,875 | 1,013 | 0 | 93 | 2,718 | 1,332 | 1 | 1,384 | |
| 2013 | 2,599 | 66 | 79 | 2,569 | 919 | 0 | 77 | 2,773 | 1,378 | 2 | 1,393 | |
| 2014 | 2,606 | 85 | 230 | 2,371 | 926 | 0 | 50 | 2,705 | 1,432 | 1 | 1,272 | |
| 2015 | 2,943 | 65 | 172 | 2,936 | 893 | 0 | 127 | 3,128 | 1,771 | 2 | 1,355 | |
| 2016 | 4,559 | 117 | 176 | 4,438 | 657 | 0 | 140 | 4,401 | 2,950 | 3 | 1,449 | |
| 2017 | 4,455 | 156 | 192 | 4,283 | 849 | 33 | 136 | 4,411 | 3,026 | 1 | 1,384 | |
| 2018 | 4,810 | 315 | 258 | 4,429 | 737 | 21 | 80 | 4,521 | 3,103 | 1 | 1,417 | |
| 2019 | 6,026 | 414 | 211 | 5,659 | 552 | 76 | 155 | 5,480 | 4,042 | 1 | 1,437 | |
| 2020 | 6,537 | 471 | 261 | 6,016 | 381 | 67 | 173 | 5,706 | 4,272 | 1 | 1,432 | |
| 2021 | 6,168 | 230 | 216 | 5,983 | 542 | 101 | 109 | 5,858 | 4,391 | 1 | 1,466 | |
| 2022 ^p | 6,934 | 49 | 282 | 6,819 | 180 | 182 | 183 | 6,314 | 4,794 | 1 | 1,518 | |
| 2021 | 6 | 499 | 18 | 190 | 514 | 40 | 8 | 9 | 521 | 404 | 0 | 117 |
| | 7 | 579 | 27 | 219 | 523 | 27 | 10 | 7 | 516 | 419 | 0 | 97 |
| | 8 | 477 | 23 | 217 | 456 | 40 | 8 | 5 | 468 | 384 | 0 | 84 |
| | 9 | 417 | 14 | 200 | 421 | 40 | 9 | 5 | 434 | 343 | 0 | 90 |
| | 10 | 437 | 26 | 164 | 447 | 39 | 10 | 7 | 456 | 336 | 0 | 120 |
| | 11 | 546 | 20 | 186 | 504 | 51 | 10 | 11 | 471 | 335 | 0 | 136 |
| | 12 | 691 | 22 | 216 | 639 | 39 | 17 | 17 | 586 | 428 | 0 | 157 |
| 2022 ^p | 1 | 798 | 19 | 297 | 698 | 39 | 31 | 24 | 607 | 429 | 0 | 178 |
| | 2 | 659 | 4 | 237 | 715 | 10 | 31 | 24 | 599 | 425 | 0 | 173 |
| | 3 | 667 | - | 202 | 702 | 14 | 19 | 19 | 642 | 490 | 0 | 152 |
| | 4 | 554 | - | 232 | 524 | 17 | 9 | 7 | 566 | 453 | 0 | 112 |
| | 5 | 521 | 1 | 273 | 479 | 19 | 6 | 7 | 516 | 413 | 0 | 103 |
| | 6 | 358 | 0 | 219 | 412 | 28 | 10 | 8 | 446 | 361 | 0 | 85 |
| | 7 | 585 | 4 | 290 | 511 | 14 | 21 | 9 | 510 | 421 | 0 | 89 |
| | 8 | 479 | 4 | 278 | 488 | 8 | 20 | 17 | 436 | 348 | 0 | 88 |
| | 9 | 453 | 4 | 250 | 477 | 9 | 9 | 11 | 443 | 340 | 0 | 103 |
| | 10 | 519 | 4 | 261 | 504 | -3 | 9 | 13 | 448 | 344 | 0 | 104 |
| | 11 | 647 | 2 | 301 | 605 | 11 | 9 | 19 | 520 | 374 | 0 | 145 |
| | 12 | 694 | 7 | 282 | 706 | 14 | 9 | 25 | 582 | 395 | 0 | 186 |
| 2023 ^p | 1 | 685 | 4 | 255 | 709 | 13 | 11 | 24 | 557 | 393 | 0 | 164 |
| | 2 | 613 | 3 | 210 | 654 | 27 | 7 | 18 | 532 | 357 | 0 | 175 |
| | 3 | 632 | 2 | 276 | 565 | 18 | 9 | 18 | 494 | 365 | 0 | 129 |
| | 4 | 424 | 1 | 235 | 463 | 22 | 6 | 12 | 456 | 341 | 0 | 115 |
| | 5 | 443 | 3 | 223 | 453 | 27 | 3 | 13 | 465 | 353 | 0 | 111 |
| | 6 | 424 | 6 | 273 | 368 | 40 | 1 | 11 | 380 | 290 | 0 | 90 |
| 2022 ^p 1-6 | 3,556 | 24 | 219 | 3,529 | 127 | 106 | 90 | 3,375 | 2,571 | 1 | 803 | |
| 2023 ^p 1-6 | 3,221 | 19 | 273 | 3,211 | 147 | 37 | 97 | 2,885 | 2,099 | 1 | 785 | |

1. 가정, 상업, 공공부문 합계
 자료: 한국석유공사-PEDSIS

1. Sum of residential, commercial and public sector
 Source: Korea National Oil Corporation-PEDSIS

5.5.2 부탄

Butane

| | 공급 Supply | | | | | 소비 Consumption | | | | | | |
|-----------------------|-------------------|-------------------|-----------------|-------------------------|------------------------------------|--|---|-----------------|--------------------|---------------------|--|-----|
| | 수입 Imports | 수출 Exports | 재고 Stock | 일차에너지 공급 TPES | 정제생산 Refining Production | 발전 및 열생산 투입 Power Generatoin & Others | 에너지산업자체 소비 Energy Industry Own Use | 최종소비 TFC | 최종소비 | | | |
| | | | | | | | | | 산업 Industry | 수송 Transport | 건물 ¹ Building ¹ | |
| | | | | | | | | | | | | |
| 1,000 ton | | | | | | | | | | | | |
| 1990 | | 459 | 46 | 58 | 385 | 810 | - | 90 | 1,112 | 85 | 1,022 | 5 |
| 1995 | | 895 | 105 | 42 | 779 | 1,058 | - | 6 | 1,829 | 339 | 1,484 | 6 |
| 2000 | | 1,430 | 261 | 109 | 1,137 | 2,302 | - | 5 | 3,432 | 470 | 2,920 | 42 |
| 2001 | | 1,460 | 224 | 105 | 1,240 | 2,659 | - | 5 | 3,910 | 538 | 3,342 | 31 |
| 2002 | | 1,689 | 119 | 208 | 1,467 | 2,834 | - | 3 | 4,222 | 577 | 3,574 | 71 |
| 2003 | | 1,422 | 106 | 194 | 1,330 | 2,738 | - | 3 | 4,347 | 538 | 3,733 | 76 |
| 2004 | | 1,396 | 42 | 221 | 1,327 | 2,775 | - | 2 | 4,569 | 625 | 3,863 | 81 |
| 2005 | | 1,583 | 38 | 180 | 1,585 | 2,655 | 0 | 3 | 4,679 | 560 | 3,963 | 156 |
| 2006 | | 2,017 | 34 | 148 | 2,015 | 2,479 | 0 | 0 | 4,926 | 688 | 4,105 | 133 |
| 2007 | | 2,342 | 19 | 105 | 2,366 | 2,390 | 0 | 1 | 5,215 | 726 | 4,366 | 123 |
| 2008 | | 2,938 | 11 | 99 | 2,934 | 2,134 | 0 | 5 | 5,702 | 1,219 | 4,379 | 105 |
| 2009 | | 3,106 | 0 | 82 | 3,122 | 1,942 | - | 1 | 5,730 | 1,140 | 4,499 | 91 |
| 2010 | | 3,163 | 0 | 109 | 3,136 | 1,680 | - | 0 | 5,356 | 818 | 4,467 | 71 |
| 2011 | | 3,252 | 15 | 132 | 3,213 | 1,306 | - | 0 | 5,038 | 675 | 4,248 | 114 |
| 2012 | | 3,036 | 20 | 119 | 3,028 | 1,268 | 0 | 1 | 4,836 | 592 | 4,103 | 141 |
| 2013 | | 3,106 | 3 | 86 | 3,136 | 1,324 | 1 | 4 | 4,984 | 841 | 4,010 | 133 |
| 2014 | | 2,874 | 28 | 135 | 2,796 | 1,614 | 0 | 42 | 4,819 | 903 | 3,758 | 158 |
| 2015 | | 2,415 | 40 | 140 | 2,370 | 1,785 | 1 | 9 | 4,341 | 472 | 3,715 | 154 |
| 2016 | | 2,466 | 38 | 98 | 2,470 | 1,667 | 1 | 8 | 4,343 | 676 | 3,549 | 118 |
| 2017 | | 1,666 | 44 | 146 | 1,574 | 2,153 | 1 | 10 | 3,987 | 504 | 3,323 | 160 |
| 2018 | | 1,818 | 96 | 153 | 1,714 | 2,224 | 1 | 8 | 4,087 | 852 | 3,098 | 137 |
| 2019 | | 1,792 | 63 | 106 | 1,777 | 2,042 | 1 | 7 | 3,961 | 811 | 3,051 | 99 |
| 2020 | | 1,860 | 20 | 127 | 1,818 | 1,756 | 0 | 7 | 3,535 | 793 | 2,655 | 86 |
| 2021 | | 1,887 | 37 | 113 | 1,865 | 1,630 | 0 | 6 | 3,374 | 727 | 2,565 | 83 |
| 2022 ^p | | 1,951 | 9 | 151 | 1,904 | 1,607 | 0 | 6 | 3,409 | 784 | 2,542 | 82 |
| 2021 | 6 | 177 | 10 | 106 | 219 | 137 | 0 | 0 | 336 | 86 | 244 | 7 |
| | 7 | 185 | 11 | 98 | 182 | 154 | 0 | 0 | 313 | 71 | 235 | 7 |
| | 8 | 167 | 2 | 74 | 189 | 141 | 0 | 1 | 303 | 77 | 221 | 5 |
| | 9 | 187 | - | 78 | 183 | 124 | 0 | 1 | 278 | 61 | 211 | 5 |
| | 10 | 231 | - | 108 | 201 | 118 | 0 | 1 | 287 | 51 | 230 | 6 |
| | 11 | 113 | 1 | 96 | 125 | 129 | 0 | 1 | 261 | 39 | 215 | 7 |
| | 12 | 135 | - | 113 | 118 | 126 | 0 | 1 | 241 | 39 | 194 | 8 |
| 2022 ^p | 1 | 172 | - | 149 | 136 | 151 | 0 | 0 | 292 | 71 | 211 | 11 |
| | 2 | 153 | 3 | 144 | 155 | 120 | 0 | 0 | 286 | 75 | 202 | 9 |
| | 3 | 126 | 2 | 127 | 141 | 136 | 0 | 0 | 284 | 78 | 198 | 7 |
| | 4 | 139 | 0 | 135 | 131 | 138 | 0 | 1 | 242 | 48 | 188 | 6 |
| | 5 | 231 | 1 | 178 | 187 | 148 | 0 | 0 | 316 | 81 | 229 | 6 |
| | 6 | 144 | - | 143 | 179 | 127 | 0 | 0 | 290 | 80 | 204 | 6 |
| | 7 | 195 | 0 | 173 | 165 | 152 | 0 | 0 | 303 | 63 | 234 | 7 |
| | 8 | 124 | - | 155 | 142 | 159 | 0 | 1 | 286 | 59 | 223 | 5 |
| | 9 | 179 | 2 | 156 | 176 | 137 | 0 | 1 | 291 | 63 | 222 | 6 |
| | 10 | 213 | 0 | 175 | 194 | 119 | 0 | 1 | 277 | 65 | 207 | 5 |
| | 11 | 142 | 0 | 147 | 170 | 101 | 0 | 1 | 287 | 65 | 215 | 7 |
| | 12 | 133 | - | 151 | 128 | 119 | 0 | 1 | 255 | 38 | 210 | 8 |
| 2023 ^p | 1 | 103 | - | 131 | 123 | 108 | 0 | 0 | 241 | 38 | 193 | 10 |
| | 2 | 89 | 2 | 113 | 105 | 117 | 0 | 3 | 232 | 19 | 204 | 9 |
| | 3 | 146 | 3 | 200 | 57 | 169 | 0 | 3 | 230 | 28 | 194 | 7 |
| | 4 | 137 | 3 | 190 | 144 | 154 | 0 | 2 | 268 | 72 | 191 | 6 |
| | 5 | 128 | 3 | 236 | 78 | 194 | 0 | 0 | 259 | 52 | 201 | 6 |
| | 6 | 145 | 5 | 223 | 154 | 144 | 0 | 0 | 283 | 82 | 195 | 6 |
| 2022 ^p 1-6 | | 965 | 6 | 143 | 929 | 820 | 0 | 1 | 1,710 | 433 | 1,232 | 45 |
| 2023 ^p 1-6 | | 747 | 15 | 223 | 661 | 887 | 0 | 9 | 1,513 | 292 | 1,178 | 43 |

1. 가정, 상업, 공공부문 합계
 자료: 한국석유공사-PEDSIS

1. Sum of residential, commercial and public sector
 Source: Korea National Oil Corporation-PEDSIS

5.5.3 휘발유

Gasoline

| | | 공급 Supply | | | | | 소비 Consumption | | | | | |
|-------------------|-----|-------------------|-------------------|-----------------|-------------------------|------------------------------------|---|---|--------|----------|-----------|-----------------------|
| | | 수입 Imports | 수출 Exports | 재고 Stock | 일차에너지 공급 TPES | 정제생산 Refining Production | 발전 및 열생산 투입 Power Generator & Others | 에너지산업 자체소비 Energy Industry Own Use | 최종소비 | | | |
| | | | | | | | | | TFC | 산업 | 수송 | 건물 ¹ |
| | | | | | | | | | | Industry | Transport | Building ¹ |
| 1,000 kℓ | | | | | | | | | | | | |
| 1990 | | - | 5 | 180 | -45 | 3,813 | 0 | 1 | 3,764 | 83 | 3,535 | 146 |
| 1995 | | - | 70 | 344 | -118 | 9,610 | 0 | 1 | 9,441 | 225 | 9,069 | 147 |
| 2000 | | 118 | 2,364 | 589 | -2,335 | 12,136 | - | 1 | 9,918 | 347 | 9,498 | 72 |
| 2001 | | 335 | 2,570 | 554 | -2,201 | 12,163 | 0 | 1 | 9,969 | 424 | 9,455 | 89 |
| 2002 | | 641 | 2,468 | 542 | -1,816 | 12,201 | 0 | 1 | 10,187 | 492 | 9,592 | 103 |
| 2003 | | 328 | 2,152 | 528 | -1,812 | 11,349 | 0 | 4 | 9,615 | 320 | 9,196 | 99 |
| 2004 | | 194 | 2,913 | 515 | -2,706 | 11,919 | 0 | 1 | 9,245 | 322 | 8,837 | 85 |
| 2005 | | 12 | 2,308 | 500 | -2,281 | 11,745 | 0 | 1 | 9,601 | 332 | 9,178 | 91 |
| 2006 | | - | 3,168 | 512 | -3,180 | 12,817 | 1 | 1 | 9,519 | 301 | 9,126 | 92 |
| 2007 | | - | 2,438 | 532 | -2,458 | 12,460 | 0 | 1 | 9,936 | 256 | 9,608 | 72 |
| 2008 | | - | 4,914 | 421 | -4,804 | 14,898 | 1 | 1 | 10,005 | 248 | 9,682 | 76 |
| 2009 | | - | 6,389 | 509 | -6,477 | 16,950 | 1 | 1 | 10,472 | 249 | 10,132 | 91 |
| 2010 | | - | 6,254 | 611 | -6,356 | 17,317 | 1 | 1 | 10,958 | 240 | 10,623 | 96 |
| 2011 | | - | 8,509 | 509 | -8,407 | 19,471 | 0 | 1 | 11,061 | 247 | 10,723 | 90 |
| 2012 | | 13 | 10,094 | 811 | -10,383 | 21,700 | 0 | 1 | 11,409 | 239 | 11,069 | 101 |
| 2013 | | 273 | 10,177 | 805 | -9,898 | 21,424 | 0 | 2 | 11,671 | 246 | 11,314 | 111 |
| 2014 | | - | 11,658 | 707 | -11,560 | 23,073 | 0 | 1 | 11,681 | 232 | 11,317 | 131 |
| 2015 | | 61 | 12,606 | 812 | -12,650 | 24,960 | 1 | 1 | 12,173 | 227 | 11,807 | 138 |
| 2016 | | 221 | 12,124 | 906 | -11,997 | 24,489 | 0 | 0 | 12,548 | 214 | 12,225 | 108 |
| 2017 | | 179 | 13,071 | 902 | -12,889 | 25,537 | 0 | 0 | 12,658 | 239 | 12,324 | 95 |
| 2018 | | 28 | 13,974 | 1,141 | -14,185 | 26,950 | 0 | 0 | 12,668 | 221 | 12,355 | 93 |
| 2019 | | 21 | 13,970 | 975 | -13,784 | 27,072 | 0 | 0 | 13,156 | 215 | 12,868 | 72 |
| 2020 | | 0 | 11,788 | 780 | -11,593 | 24,069 | 0 | 0 | 12,872 | 206 | 12,621 | 44 |
| 2021 | | 48 | 15,639 | 866 | -15,678 | 28,419 | 0 | 0 | 13,494 | 189 | 13,258 | 47 |
| 2022 ^p | | 14 | 15,952 | 929 | -16,001 | 29,227 | 0 | 0 | 14,049 | 179 | 13,825 | 45 |
| | | | | | | | | | | | | |
| 2021 | 6 | - | 1,118 | 782 | -1,146 | 2,316 | 0 | 0 | 1,184 | 17 | 1,162 | 4 |
| | 7 | - | 1,427 | 811 | -1,455 | 2,532 | 0 | 0 | 1,159 | 15 | 1,140 | 4 |
| | 8 | 47 | 1,269 | 970 | -1,381 | 2,502 | 0 | 0 | 1,183 | 14 | 1,164 | 4 |
| | 9 | - | 1,432 | 864 | -1,327 | 2,468 | 0 | 0 | 1,205 | 20 | 1,180 | 4 |
| | 10 | - | 1,457 | 970 | -1,563 | 2,583 | 0 | 0 | 1,068 | 19 | 1,045 | 4 |
| | 11 | 0 | 1,496 | 992 | -1,518 | 2,497 | 0 | 0 | 1,093 | 15 | 1,074 | 3 |
| | 12 | - | 1,637 | 866 | -1,511 | 2,653 | 0 | 0 | 1,291 | 14 | 1,274 | 4 |
| | | | | | | | | | | | | |
| 2022 ^p | 1 | - | 1,363 | 1,005 | -1,502 | 2,590 | 0 | 0 | 1,172 | 15 | 1,155 | 3 |
| | 2 | - | 1,473 | 911 | -1,379 | 2,340 | 0 | 0 | 1,004 | 12 | 989 | 3 |
| | 3 | - | 1,483 | 1,034 | -1,607 | 2,459 | 0 | 0 | 936 | 15 | 917 | 3 |
| | 4 | - | 1,367 | 1,060 | -1,393 | 2,204 | 0 | 0 | 897 | 11 | 882 | 4 |
| | 5 | - | 1,264 | 888 | -1,092 | 2,454 | 0 | 0 | 1,418 | 20 | 1,394 | 4 |
| | 6 | - | 1,314 | 1,043 | -1,468 | 2,423 | 0 | 0 | 976 | 14 | 959 | 4 |
| | 7 | 3 | 1,498 | 840 | -1,292 | 2,624 | 0 | 0 | 1,342 | 12 | 1,327 | 4 |
| | 8 | - | 1,315 | 762 | -1,238 | 2,558 | 0 | 0 | 1,356 | 15 | 1,336 | 4 |
| | 9 | 3 | 1,229 | 909 | -1,373 | 2,464 | 0 | 0 | 1,163 | 16 | 1,142 | 4 |
| | 10 | 7 | 1,208 | 896 | -1,188 | 2,253 | 0 | 0 | 1,213 | 18 | 1,191 | 4 |
| | 11 | - | 1,221 | 977 | -1,302 | 2,318 | 0 | 0 | 1,098 | 18 | 1,076 | 4 |
| | 12 | 0 | 1,217 | 929 | -1,168 | 2,542 | 0 | 0 | 1,475 | 13 | 1,458 | 4 |
| | | | | | | | | | | | | |
| 2023 ^p | 1 | - | 1,406 | 920 | -1,397 | 2,471 | 0 | 0 | 1,062 | 14 | 1,045 | 3 |
| | 2 | - | 1,383 | 944 | -1,407 | 2,359 | 0 | 0 | 995 | 12 | 979 | 3 |
| | 3 | - | 1,218 | 824 | -1,098 | 2,307 | 0 | 0 | 1,238 | 14 | 1,220 | 4 |
| | 4 | 25 | 850 | 1,154 | -1,154 | 2,163 | 0 | 0 | 1,033 | 16 | 1,013 | 4 |
| | 5 | - | 1,441 | 946 | -1,234 | 2,484 | 0 | 0 | 1,304 | 15 | 1,286 | 4 |
| | 6 | - | 1,190 | 837 | -1,082 | 2,231 | 0 | 0 | 1,202 | 18 | 1,180 | 4 |
| | | | | | | | | | | | | |
| 2022 ^p | 1-6 | - | 8,263 | 1,043 | -8,440 | 14,469 | 0 | 0 | 6,403 | 87 | 6,295 | 21 |
| 2023 ^p | 1-6 | 25 | 7,488 | 837 | -7,372 | 14,015 | 0 | 0 | 6,834 | 89 | 6,723 | 23 |

1. 가정, 상업, 공공부문 합계
 자료: 한국석유공사-PEDSIS

1. Sum of residential, commercial and public sector
 Source: Korea National Oil Corporation-PEDSIS

5.5.4 항공유

Air fuel

| | 공급 Supply | | | | | | 소비 Consumption | | | | | | |
|-----------------------|--------------|-----|-------------|-------|-------------|---------|-------------------|---------------|------|-------|----|-----------------|---------|
| | 수입 | 수출 | 국제항공 병커링 | 재고 | 일차에너지 공급 | 정제생산 | 발전 및 열생산 투입 | 에너지산업 자체소비 | 최종소비 | | | | |
| | | | | | | | | | TFC | 산업 | 수송 | 건물 ¹ | |
| | | | | | | | | | | | | | Imports |
| 1,000 kℓ | | | | | | | | | | | | | |
| 1990 | | 1 | - | 1,606 | 159 | -1,660 | 2,608 | - | 0 | 1,069 | - | 3 | 1,067 |
| 1995 | | 18 | 2,136 | 2,937 | 183 | -5,058 | 5,561 | - | 0 | 471 | 1 | 5 | 465 |
| 2000 | | 270 | 5,990 | 3,160 | 378 | -9,023 | 9,470 | - | 1 | 418 | 0 | 10 | 407 |
| 2001 | | 54 | 6,280 | 3,311 | 506 | -9,665 | 10,374 | - | 0 | 663 | 2 | 10 | 651 |
| 2002 | | 442 | 6,678 | 3,740 | 370 | -9,840 | 10,769 | - | 0 | 554 | 2 | 10 | 541 |
| 2003 | | 550 | 4,397 | 3,931 | 400 | -7,807 | 8,747 | - | 0 | 778 | 2 | 11 | 765 |
| 2004 | | 34 | 7,235 | 4,189 | 533 | -11,523 | 12,185 | - | 0 | 756 | 3 | 13 | 739 |
| 2005 | | 0 | 8,670 | 4,320 | 266 | -12,722 | 13,498 | - | 0 | 763 | 2 | 15 | 745 |
| 2006 | | 0 | 9,920 | 3,535 | 354 | -13,544 | 15,181 | - | 0 | 1,699 | 2 | 1,160 | 537 |
| 2007 | | 0 | 11,502 | 4,919 | 517 | -16,584 | 16,804 | - | 0 | 588 | 0 | 76 | 512 |
| 2008 | | 40 | 12,221 | 4,488 | 349 | -16,501 | 17,119 | - | - | 831 | 0 | 353 | 478 |
| 2009 | | 0 | 11,100 | 4,275 | 317 | -15,343 | 16,322 | - | - | 973 | 0 | 425 | 548 |
| 2010 | | 1 | 11,359 | 4,759 | 359 | -16,159 | 16,766 | - | - | 984 | 0 | 432 | 552 |
| 2011 | | 3 | 12,916 | 4,800 | 421 | -17,776 | 18,782 | - | - | 1,177 | 0 | 596 | 581 |
| 2012 | | 3 | 14,553 | 4,803 | 511 | -19,442 | 20,779 | - | - | 1,530 | 0 | 981 | 549 |
| 2013 | | 3 | 14,235 | 5,071 | 626 | -19,418 | 20,666 | - | - | 1,389 | 1 | 834 | 554 |
| 2014 | | 1 | 14,919 | 5,083 | 477 | -19,852 | 21,496 | - | 0 | 1,805 | 0 | 1,249 | 557 |
| 2015 | | 1 | 17,055 | 5,228 | 423 | -22,228 | 24,121 | - | - | 2,076 | 1 | 1,490 | 585 |
| 2016 | | 1 | 17,707 | 5,840 | 736 | -23,731 | 25,555 | - | - | 2,015 | 1 | 1,460 | 555 |
| 2017 | | 0 | 19,269 | 5,979 | 933 | -25,444 | 27,664 | - | - | 2,126 | 0 | 1,557 | 568 |
| 2018 | | 0 | 18,349 | 6,299 | 1,062 | -24,777 | 27,186 | - | - | 2,182 | 0 | 1,595 | 587 |
| 2019 | | 1 | 18,259 | 6,419 | 1,045 | -24,661 | 27,149 | - | - | 2,086 | 0 | 1,563 | 522 |
| 2020 | | 1 | 13,076 | 4,007 | 790 | -16,827 | 17,899 | - | - | 1,239 | 0 | 713 | 526 |
| 2021 | | 1 | 10,408 | 3,148 | 607 | -13,372 | 15,450 | - | - | 2,469 | 1 | 1,920 | 549 |
| 2022 ^p | | 0 | 13,636 | 3,951 | 616 | -17,596 | 19,532 | - | 0 | 2,481 | 1 | 1,914 | 566 |
| | | | | | | | | | | | | | |
| 2021 | 6 | 0 | 930 | 252 | 797 | -1,206 | 1,381 | - | - | 217 | 0 | 174 | 42 |
| | 7 | 0 | 1,183 | 268 | 847 | -1,500 | 1,597 | - | - | 204 | 0 | 163 | 41 |
| | 8 | 0 | 959 | 245 | 950 | -1,307 | 1,482 | - | - | 210 | - | 144 | 66 |
| | 9 | 0 | 1,061 | 266 | 812 | -1,188 | 1,335 | - | - | 208 | 0 | 167 | 41 |
| | 10 | 0 | 751 | 306 | 926 | -1,171 | 1,344 | - | - | 220 | 0 | 179 | 41 |
| | 11 | 0 | 945 | 271 | 777 | -1,067 | 1,285 | - | - | 205 | 0 | 162 | 44 |
| | 12 | 0 | 951 | 293 | 607 | -1,074 | 1,294 | - | - | 184 | 0 | 154 | 30 |
| | | | | | | | | | | | | | |
| 2022 ^p | 1 | 0 | 780 | 302 | 549 | -1,025 | 1,290 | - | - | 248 | 0 | 202 | 45 |
| | 2 | 0 | 686 | 247 | 706 | -1,089 | 1,296 | - | - | 214 | 0 | 159 | 55 |
| | 3 | 0 | 1,037 | 296 | 571 | -1,197 | 1,362 | - | - | 206 | 0 | 155 | 51 |
| | 4 | 0 | 1,060 | 265 | 807 | -1,560 | 1,658 | - | - | 143 | 0 | 108 | 35 |
| | 5 | 0 | 1,486 | 330 | 562 | -1,570 | 1,707 | - | - | 181 | 0 | 132 | 49 |
| | 6 | 0 | 1,062 | 300 | 626 | -1,424 | 1,581 | - | - | 221 | 0 | 176 | 44 |
| | 7 | - | 1,309 | 325 | 854 | -1,862 | 2,003 | - | 0 | 227 | 0 | 153 | 74 |
| | 8 | 0 | 1,851 | 348 | 578 | -1,923 | 1,992 | - | - | 246 | 0 | 208 | 38 |
| | 9 | - | 1,182 | 359 | 664 | -1,628 | 1,727 | - | - | 198 | 0 | 166 | 32 |
| | 10 | 0 | 1,168 | 370 | 604 | -1,478 | 1,635 | - | - | 224 | 0 | 176 | 48 |
| | 11 | 0 | 1,127 | 388 | 607 | -1,518 | 1,646 | - | - | 191 | 0 | 142 | 49 |
| | 12 | 0 | 890 | 423 | 616 | -1,322 | 1,634 | - | - | 183 | 0 | 137 | 46 |
| | | | | | | | | | | | | | |
| 2023 ^p | 1 | 0 | 778 | 418 | 766 | -1,346 | 1,511 | - | - | 200 | 0 | 162 | 37 |
| | 2 | 0 | 1,238 | 382 | 769 | -1,623 | 1,722 | - | - | 156 | 0 | 116 | 40 |
| | 3 | 0 | 1,767 | 416 | 517 | -1,931 | 2,003 | - | - | 182 | 0 | 140 | 42 |
| | 4 | 0 | 1,220 | 446 | 659 | -1,808 | 1,955 | - | - | 200 | 0 | 132 | 69 |
| | 5 | 0 | 1,271 | 489 | 834 | -1,935 | 2,067 | - | - | 164 | 0 | 123 | 41 |
| | 6 | 0 | 1,052 | 563 | 724 | -1,504 | 1,632 | - | - | 91 | 0 | 57 | 34 |
| | | | | | | | | | | | | | |
| 2022 ^p 1-6 | | 0 | 6,109 | 1,738 | 626 | -7,866 | 8,894 | - | - | 1,212 | 1 | 932 | 279 |
| 2023 ^p 1-6 | | 0 | 7,327 | 2,714 | 724 | -10,149 | 10,888 | - | - | 993 | 0 | 730 | 263 |

1. 가정, 상업, 공공부문 합계

주: 항공취발유, 취발유형항공유, 등유형항공유의 합계

자료: 한국석유공사-PEDSIS

1. Sum of residential, commercial and public sector

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

Source: Korea National Oil Corporation-PEDSIS

5.5.5 등유

Kerosene

| | 공급 Supply | | | | | 소비 Consumption | | | | | | |
|-----------------------|--------------|---------|-------|-------------|------------------------|------------------------------|----------------------------|--------|----------|-----------|-----------------------|-----|
| | 수입 | 수출 | 재고 | 일차에너지 공급 | 정제생산 | 발전 및 열생산 투입 | 에너지산업 자체소비 | 최종소비 | | | | |
| | Imports | Exports | Stock | TPES | Refining Production | Power Generatoin & Others | Energy Industry Own Use | TFC | 산업 | 수송 | 건물 ¹ | |
| | | | | | | | | | Industry | Transport | Building ¹ | |
| | 1,000 kL | | | | | | | | | | | |
| 1990 | 2,777 | 15 | 991 | 1,980 | 2,162 | 0 | 9 | 3,765 | 751 | 25 | 2,990 | |
| 1995 | 3,714 | 90 | 1,001 | 3,570 | 6,495 | 0 | 1 | 9,940 | 1,135 | 36 | 8,768 | |
| 2000 | 1,092 | 3,160 | 1,712 | -2,518 | 13,963 | 152 | 25 | 10,957 | 1,310 | 9 | 9,638 | |
| 2001 | 844 | 2,863 | 1,378 | -1,686 | 12,007 | 80 | 57 | 9,825 | 1,081 | 16 | 8,728 | |
| 2002 | 1,100 | 1,622 | 782 | 72 | 9,972 | 169 | 42 | 9,367 | 1,157 | 32 | 8,178 | |
| 2003 | 1,053 | 2,090 | 978 | -1,233 | 10,255 | 280 | 49 | 8,385 | 1,041 | 29 | 7,314 | |
| 2004 | 272 | 1,223 | 707 | -681 | 8,034 | 133 | 10 | 6,975 | 980 | 17 | 5,978 | |
| 2005 | 57 | 708 | 449 | -393 | 7,197 | 119 | 6 | 5,808 | 964 | 13 | 4,830 | |
| 2006 | 41 | 757 | 753 | -1,019 | 6,553 | 172 | 4 | 5,062 | 880 | 12 | 4,170 | |
| 2007 | 82 | 199 | 577 | 58 | 4,773 | 129 | 41 | 4,229 | 797 | 9 | 3,424 | |
| 2008 | 60 | 381 | 383 | -127 | 5,063 | 105 | 100 | 4,441 | 761 | 10 | 3,671 | |
| 2009 | 11 | 863 | 367 | -836 | 5,302 | 126 | 7 | 4,149 | 730 | 10 | 3,409 | |
| 2010 | 53 | 1,027 | 479 | -1,087 | 6,228 | 136 | 4 | 4,696 | 867 | 14 | 3,815 | |
| 2011 | 66 | 1,424 | 391 | -1,271 | 5,694 | 86 | 3 | 4,129 | 759 | 15 | 3,355 | |
| 2012 | 24 | 1,205 | 331 | -1,121 | 5,187 | 77 | 2 | 3,587 | 655 | 26 | 2,907 | |
| 2013 | 16 | 1,063 | 379 | -1,095 | 4,484 | 109 | 2 | 3,059 | 575 | 9 | 2,474 | |
| 2014 | 21 | 706 | 290 | -596 | 3,672 | 112 | 16 | 2,537 | 303 | 5 | 2,229 | |
| 2015 | 2 | 599 | 375 | -683 | 3,968 | 141 | 3 | 2,681 | 222 | 9 | 2,449 | |
| 2016 | 3 | 328 | 362 | -314 | 4,084 | 220 | 2 | 3,060 | 237 | 3 | 2,820 | |
| 2017 | 6 | 837 | 291 | -760 | 4,071 | 193 | 3 | 2,978 | 198 | 3 | 2,776 | |
| 2018 | 0 | 1,038 | 369 | -1,116 | 4,265 | 199 | 2 | 2,943 | 203 | 5 | 2,735 | |
| 2019 | 6 | 663 | 406 | -695 | 3,416 | 211 | 2 | 2,650 | 242 | 7 | 2,401 | |
| 2020 | 13 | 1,017 | 253 | -851 | 7,054 | 176 | 1 | 2,676 | 359 | 8 | 2,309 | |
| 2021 | 34 | 1,252 | 314 | -1,279 | 8,531 | 189 | 1 | 2,622 | 363 | 6 | 2,253 | |
| 2022 ^p | 6 | 797 | 253 | -730 | 7,577 | 232 | 0 | 2,456 | 332 | 5 | 2,119 | |
| 2021 | 6 | - | 38 | 306 | -29 | 535 | 17 | 0 | 72 | 12 | 1 | 60 |
| | 7 | 5 | 63 | 286 | -38 | 524 | 18 | 0 | 55 | 9 | 0 | 46 |
| | 8 | - | 50 | 308 | -72 | 611 | 19 | 0 | 85 | 15 | 0 | 70 |
| | 9 | - | 39 | 295 | -26 | 630 | 14 | 0 | 172 | 22 | 0 | 150 |
| | 10 | - | 69 | 360 | -134 | 765 | 14 | 0 | 235 | 31 | 0 | 203 |
| | 11 | - | 138 | 365 | -143 | 675 | 20 | 0 | 229 | 30 | 0 | 199 |
| | 12 | 19 | 218 | 314 | -147 | 915 | 16 | 0 | 471 | 62 | 1 | 408 |
| 2022 ^p | 1 | 6 | 185 | 341 | -205 | 1,001 | 20 | 0 | 521 | 67 | 1 | 454 |
| | 2 | - | 131 | 309 | -99 | 806 | 17 | 0 | 393 | 50 | 1 | 342 |
| | 3 | - | 51 | 341 | -84 | 669 | 16 | 0 | 178 | 24 | 1 | 154 |
| | 4 | - | 29 | 371 | -59 | 569 | 17 | 0 | 78 | 11 | 0 | 67 |
| | 5 | - | 30 | 315 | 26 | 470 | 22 | 0 | 70 | 10 | 0 | 60 |
| | 6 | - | - | 306 | 9 | 338 | 21 | 0 | 50 | 8 | 0 | 42 |
| | 7 | - | 4 | 319 | -18 | 445 | 19 | 0 | 46 | 8 | 0 | 37 |
| | 8 | - | 6 | 268 | 45 | 579 | 22 | 0 | 120 | 19 | 0 | 100 |
| | 9 | - | 47 | 324 | -104 | 561 | 21 | 0 | 88 | 12 | 0 | 76 |
| | 10 | - | 15 | 306 | 4 | 564 | 20 | 0 | 230 | 30 | 0 | 199 |
| | 11 | - | 47 | 369 | -110 | 755 | 20 | 0 | 196 | 27 | 0 | 169 |
| | 12 | - | 252 | 253 | -136 | 821 | 18 | 0 | 485 | 65 | 1 | 419 |
| 2023 ^p | 1 | - | 104 | 317 | -169 | 937 | 21 | 0 | 421 | 55 | 1 | 365 |
| | 2 | - | 67 | 371 | -121 | 697 | 21 | 0 | 257 | 34 | 0 | 223 |
| | 3 | 1 | 12 | 311 | 49 | 482 | 21 | 0 | 167 | 21 | 1 | 145 |
| | 4 | - | - | 292 | 19 | 475 | 19 | 0 | 102 | 13 | 0 | 88 |
| | 5 | - | 71 | 320 | -99 | 548 | 23 | 0 | 82 | 11 | 0 | 71 |
| | 6 | - | 64 | 296 | -40 | 367 | 23 | 0 | 52 | 9 | 0 | 43 |
| 2022 ^p 1-6 | 6 | 426 | 306 | -411 | 3,852 | 113 | 0 | 1,291 | 169 | 3 | 1,118 | |
| 2023 ^p 1-6 | 1 | 317 | 296 | -359 | 3,505 | 128 | 0 | 1,081 | 143 | 3 | 935 | |

1. 가정, 상업, 공공부문 합계
자료: 한국석유공사-PEDSIS

1. Sum of residential, commercial and public sector
Source: Korea National Oil Corporation-PEDSIS

5.5.6 경유

Diesel

| | | 공급 Supply | | | | | 소비 Consumption | | | | | |
|-------------------|-----|-------------------|-------------------|-----------------|-------------------------|------------------------------------|--|---|--------|----------|-----------|-----------------------|
| | | 수입 Imports | 수출 Exports | 재고 Stock | 일차에너지 공급 TPES | 정제생산 Refining Production | 발전 및 열생산 투입 Power Generatoin & Others | 에너지산업 자체소비 Energy Industry Own Use | 최종소비 | | | |
| | | | | | | | | | TFC | 산업 | 수송 | 건물 ¹ |
| | | | | | | | | | | Industry | Transport | Building ¹ |
| 1,000 kℓ | | | | | | | | | | | | |
| 1990 | | 2,160 | 1,662 | 527 | 215 | 15,105 | 279 | 50 | 14,961 | 3,424 | 8,305 | 3,232 |
| 1995 | | 5,118 | 6,748 | 1,767 | -3,190 | 28,838 | 969 | 20 | 24,710 | 4,657 | 13,488 | 6,565 |
| 2000 | | 448 | 15,370 | 1,630 | -16,323 | 36,281 | 79 | 7 | 20,090 | 3,987 | 14,031 | 2,072 |
| 2001 | | 1,062 | 14,379 | 1,416 | -14,376 | 34,808 | 46 | 7 | 20,596 | 4,001 | 14,732 | 1,864 |
| 2002 | | 2,055 | 12,120 | 1,130 | -11,019 | 32,661 | 110 | 6 | 21,514 | 3,687 | 16,080 | 1,748 |
| 2003 | | 1,771 | 9,669 | 1,162 | -9,220 | 31,899 | 367 | 6 | 22,455 | 3,359 | 17,219 | 1,877 |
| 2004 | | 682 | 10,817 | 1,423 | -11,694 | 34,216 | 31 | 7 | 22,533 | 3,119 | 17,518 | 1,897 |
| 2005 | | 304 | 13,655 | 1,180 | -14,227 | 36,537 | 20 | 6 | 22,224 | 2,899 | 17,544 | 1,781 |
| 2006 | | 251 | 14,550 | 1,328 | -15,491 | 37,572 | 32 | 4 | 22,310 | 3,264 | 17,515 | 1,530 |
| 2007 | | 122 | 16,371 | 1,621 | -17,541 | 39,816 | 28 | 7 | 22,639 | 3,336 | 17,711 | 1,592 |
| 2008 | | 59 | 20,817 | 1,363 | -21,411 | 42,576 | 31 | 7 | 20,874 | 2,981 | 16,510 | 1,383 |
| 2009 | | 133 | 19,948 | 1,186 | -20,401 | 41,079 | 22 | 6 | 20,493 | 3,064 | 16,030 | 1,400 |
| 2010 | | 121 | 20,789 | 1,322 | -21,586 | 42,480 | 38 | 6 | 20,744 | 3,233 | 16,100 | 1,412 |
| 2011 | | 151 | 25,307 | 1,177 | -25,673 | 46,564 | 95 | 6 | 20,642 | 3,193 | 16,073 | 1,376 |
| 2012 | | 760 | 28,055 | 1,491 | -28,194 | 49,249 | 179 | 7 | 20,973 | 3,112 | 16,414 | 1,447 |
| 2013 | | 1,367 | 26,035 | 1,517 | -25,335 | 47,575 | 118 | 6 | 22,016 | 3,275 | 17,267 | 1,474 |
| 2014 | | 819 | 27,686 | 1,380 | -27,472 | 50,089 | 21 | 5 | 22,389 | 3,014 | 17,709 | 1,665 |
| 2015 | | 42 | 27,345 | 1,761 | -28,830 | 53,158 | 13 | 6 | 24,126 | 2,793 | 19,272 | 2,061 |
| 2016 | | 32 | 27,827 | 1,369 | -28,477 | 54,054 | 30 | 6 | 25,625 | 2,695 | 20,787 | 2,143 |
| 2017 | | 37 | 28,006 | 1,504 | -29,288 | 55,194 | 15 | 7 | 25,919 | 2,552 | 21,100 | 2,266 |
| 2018 | | 38 | 30,320 | 1,773 | -31,687 | 57,354 | 52 | 6 | 25,488 | 2,405 | 21,199 | 1,883 |
| 2019 | | 22 | 31,039 | 1,665 | -32,338 | 58,433 | 155 | 5 | 26,039 | 2,514 | 21,883 | 1,642 |
| 2020 | | 3 | 31,812 | 1,194 | -32,950 | 55,940 | 62 | 7 | 24,649 | 2,620 | 20,891 | 1,139 |
| 2021 | | 0 | 28,756 | 1,295 | -30,878 | 53,696 | 98 | 2 | 24,852 | 2,468 | 21,314 | 1,070 |
| 2022 ^p | | 48 | 32,358 | 1,379 | -34,843 | 57,783 | 153 | 2 | 24,131 | 2,471 | 20,606 | 1,055 |
| | | | | | | | | | | | | |
| 2021 | 6 | - | 2,234 | 1,479 | -2,337 | 4,315 | 10 | 0 | 2,213 | 235 | 1,895 | 83 |
| | 7 | - | 2,459 | 1,474 | -2,616 | 4,503 | 5 | 0 | 2,074 | 215 | 1,780 | 79 |
| | 8 | 0 | 2,235 | 2,014 | -2,956 | 4,746 | 3 | 0 | 1,958 | 166 | 1,713 | 79 |
| | 9 | - | 2,626 | 1,758 | -2,547 | 4,397 | 6 | 0 | 2,058 | 254 | 1,730 | 74 |
| | 10 | - | 2,812 | 1,519 | -2,802 | 4,634 | 7 | 0 | 1,977 | 258 | 1,629 | 91 |
| | 11 | - | 2,389 | 1,497 | -2,569 | 4,484 | 8 | 0 | 2,045 | 195 | 1,763 | 86 |
| | 12 | - | 2,342 | 1,295 | -2,363 | 4,723 | 4 | 0 | 2,455 | 203 | 2,142 | 110 |
| | | | | | | | | | | | | |
| 2022 ^p | 1 | - | 2,354 | 1,447 | -2,728 | 4,819 | 10 | 0 | 2,195 | 251 | 1,847 | 97 |
| | 2 | - | 2,438 | 1,532 | -2,709 | 4,389 | 14 | 0 | 1,806 | 177 | 1,539 | 90 |
| | 3 | - | 2,608 | 1,924 | -3,192 | 4,849 | 13 | 0 | 1,829 | 196 | 1,531 | 101 |
| | 4 | - | 2,655 | 1,838 | -2,772 | 4,371 | 9 | 0 | 1,713 | 163 | 1,466 | 85 |
| | 5 | - | 2,857 | 1,316 | -2,526 | 4,846 | 12 | 0 | 2,360 | 221 | 2,041 | 98 |
| | 6 | 48 | 2,208 | 1,924 | -2,947 | 4,663 | 16 | 0 | 1,757 | 194 | 1,491 | 72 |
| | 7 | - | 3,165 | 1,980 | -3,434 | 5,323 | 15 | 0 | 1,943 | 139 | 1,738 | 66 |
| | 8 | - | 3,252 | 1,620 | -3,104 | 5,309 | 9 | 0 | 2,360 | 221 | 2,058 | 82 |
| | 9 | - | 2,698 | 1,814 | -3,090 | 4,841 | 14 | 0 | 1,812 | 261 | 1,484 | 68 |
| | 10 | - | 2,640 | 1,650 | -2,702 | 4,867 | 14 | 0 | 2,142 | 243 | 1,804 | 95 |
| | 11 | - | 2,547 | 1,844 | -2,957 | 4,657 | 14 | 0 | 1,881 | 194 | 1,590 | 98 |
| | 12 | - | 2,936 | 1,379 | -2,682 | 4,850 | 15 | 0 | 2,332 | 212 | 2,016 | 104 |
| | | | | | | | | | | | | |
| 2023 ^p | 1 | - | 2,597 | 1,633 | -3,069 | 4,859 | 19 | 30 | 1,886 | 167 | 1,611 | 108 |
| | 2 | - | 2,505 | 1,739 | -2,790 | 4,372 | 9 | 30 | 1,706 | 153 | 1,453 | 100 |
| | 3 | - | 2,554 | 1,561 | -2,588 | 4,755 | 14 | 35 | 2,249 | 213 | 1,926 | 110 |
| | 4 | - | 2,364 | 1,949 | -2,947 | 4,482 | 13 | 32 | 1,709 | 165 | 1,458 | 86 |
| | 5 | - | 3,061 | 1,702 | -2,992 | 4,970 | 13 | 38 | 2,106 | 185 | 1,827 | 94 |
| | 6 | - | 2,178 | 1,480 | -2,144 | 4,155 | 10 | 37 | 2,010 | 213 | 1,714 | 83 |
| | | | | | | | | | | | | |
| 2022 ^p | 1-6 | 48 | 15,120 | 1,924 | -16,874 | 27,937 | 74 | 1 | 11,660 | 1,202 | 9,916 | 542 |
| 2023 ^p | 1-6 | - | 15,260 | 1,480 | -16,531 | 27,592 | 78 | 202 | 11,666 | 1,096 | 9,989 | 581 |

1. 가정, 상업, 공공부문 합계
자료: 한국석유공사-PEDSIS

1. Sum of residential, commercial and public sector
Source: Korea National Oil Corporation-PEDSIS

5.5.7 중유

Fuel Oil

| | 공급 Supply | | | | | | 소비 Consumption | | | | | | |
|-----------------------|--------------|---------|------------------------------------|-------|-------------|------------------------|------------------------------|----------------------------|--------|----------|-----------|-----------------------|---|
| | 수입 | 수출 | 국제해운 병커링 | 재고 | 일차에너지 공급 | 정제생산 | 발전 및 열생산 투입 | 에너지산업 자체소비 | 최종소비 | | | | |
| | Imports | Exports | International Marine Bunkers | Stock | TPES | Refining Production | Power Generatoin & Others | Energy Industry Own Use | TFC | 산업 | 수송 | 건물 ¹ | |
| | | | | | | | | | | Industry | Transport | Building ¹ | |
| | 1,000 kℓ | | | | | | | | | | | | |
| 1990 | 4,397 | 1,922 | 2,580 | 576 | 49 | 16,328 | 4,445 | 336 | 10,922 | 9,287 | 240 | 1,396 | |
| 1995 | 3,947 | 6,397 | 6,370 | 1,630 | -8,679 | 33,164 | 9,247 | 118 | 15,104 | 12,022 | 1,042 | 2,040 | |
| 2000 | 3,992 | 11,472 | 9,251 | 1,855 | -16,922 | 36,647 | 6,326 | 2,518 | 10,858 | 9,410 | 581 | 867 | |
| 2001 | 3,548 | 10,654 | 8,851 | 1,951 | -16,053 | 35,897 | 6,983 | 2,541 | 10,248 | 8,775 | 665 | 808 | |
| 2002 | 3,768 | 5,568 | 8,560 | 1,845 | -10,254 | 30,176 | 6,047 | 2,486 | 10,233 | 8,678 | 725 | 829 | |
| 2003 | 2,199 | 7,287 | 9,238 | 1,630 | -14,111 | 32,494 | 5,787 | 2,377 | 9,580 | 7,987 | 742 | 851 | |
| 2004 | 1,317 | 7,240 | 9,621 | 1,873 | -15,787 | 32,186 | 5,268 | 2,364 | 8,730 | 7,335 | 696 | 699 | |
| 2005 | 639 | 8,914 | 9,779 | 1,487 | -17,668 | 33,585 | 4,595 | 2,573 | 8,191 | 6,822 | 719 | 650 | |
| 2006 | 1,391 | 9,263 | 9,879 | 1,708 | -17,965 | 33,035 | 4,677 | 2,507 | 7,589 | 6,222 | 653 | 714 | |
| 2007 | 940 | 6,789 | 9,093 | 1,498 | -14,719 | 29,425 | 4,833 | 2,481 | 7,064 | 5,594 | 628 | 842 | |
| 2008 | 1,143 | 5,620 | 8,704 | 1,517 | -13,200 | 24,159 | 2,748 | 2,323 | 5,962 | 4,649 | 674 | 639 | |
| 2009 | 3,157 | 4,104 | 7,926 | 1,449 | -8,804 | 20,071 | 3,684 | 2,172 | 5,254 | 4,083 | 671 | 499 | |
| 2010 | 2,779 | 4,115 | 8,359 | 1,596 | -9,842 | 19,951 | 3,382 | 1,657 | 4,862 | 3,792 | 613 | 456 | |
| 2011 | 2,447 | 5,483 | 8,339 | 1,788 | -11,567 | 19,829 | 2,385 | 1,629 | 4,105 | 3,093 | 615 | 397 | |
| 2012 | 4,316 | 4,520 | 8,144 | 1,686 | -8,246 | 16,292 | 3,511 | 1,159 | 3,058 | 2,186 | 570 | 301 | |
| 2013 | 7,040 | 3,567 | 7,889 | 1,677 | -4,384 | 12,992 | 3,624 | 1,342 | 2,119 | 1,548 | 301 | 270 | |
| 2014 | 8,268 | 2,196 | 7,968 | 1,798 | -2,017 | 8,868 | 1,783 | 1,245 | 1,835 | 1,428 | 216 | 190 | |
| 2015 | 7,430 | 1,743 | 8,535 | 1,881 | -2,930 | 9,381 | 2,009 | 1,361 | 2,038 | 1,467 | 342 | 228 | |
| 2016 | 7,508 | 2,148 | 9,794 | 1,677 | -4,154 | 11,567 | 3,018 | 1,655 | 2,014 | 1,537 | 289 | 188 | |
| 2017 | 6,374 | 2,648 | 9,324 | 1,849 | -5,764 | 11,139 | 1,197 | 1,419 | 1,758 | 1,320 | 236 | 202 | |
| 2018 | 6,823 | 4,188 | 8,827 | 1,894 | -6,238 | 11,235 | 1,249 | 835 | 1,588 | 1,226 | 195 | 167 | |
| 2019 | 5,022 | 2,781 | 7,201 | 1,571 | -4,637 | 9,458 | 659 | 338 | 1,336 | 971 | 241 | 124 | |
| 2020 | 4,710 | 2,108 | 8,828 | 1,383 | -6,039 | 12,286 | 491 | 283 | 1,086 | 829 | 183 | 74 | |
| 2021 | 5,920 | 1,404 | 9,113 | 1,550 | -4,763 | 12,323 | 462 | 114 | 1,018 | 723 | 248 | 48 | |
| 2022 ^p | 3,307 | 2,031 | 9,870 | 1,440 | -8,484 | 14,877 | 321 | 97 | 1,065 | 754 | 269 | 42 | |
| | | | | | | | | | | | | | |
| 2021 | 6 | 438 | 109 | 655 | 1,558 | -308 | 1,018 | 20 | 8 | 81 | 58 | 19 | 3 |
| | 7 | 598 | 45 | 716 | 1,720 | -325 | 1,131 | 63 | 6 | 83 | 58 | 23 | 2 |
| | 8 | 499 | 127 | 832 | 1,739 | -479 | 1,130 | 14 | 6 | 77 | 52 | 23 | 3 |
| | 9 | 473 | 66 | 751 | 1,757 | -363 | 1,009 | 49 | 7 | 82 | 57 | 22 | 2 |
| | 10 | 499 | 318 | 833 | 1,563 | -458 | 998 | 45 | 9 | 94 | 60 | 30 | 3 |
| | 11 | 478 | 118 | 830 | 1,540 | -446 | 1,119 | 41 | 13 | 77 | 54 | 20 | 3 |
| | 12 | 529 | 245 | 904 | 1,550 | -631 | 1,285 | 42 | 12 | 102 | 70 | 25 | 6 |
| | | | | | | | | | | | | | |
| 2022 ^p | 1 | 454 | 237 | 910 | 1,567 | -709 | 1,375 | 115 | 10 | 118 | 80 | 30 | 8 |
| | 2 | 523 | 164 | 733 | 1,763 | -570 | 1,187 | 44 | 11 | 88 | 65 | 18 | 5 |
| | 3 | 242 | 146 | 890 | 1,497 | -529 | 1,201 | 30 | 9 | 103 | 72 | 27 | 4 |
| | 4 | 240 | 124 | 780 | 1,578 | -744 | 1,154 | 18 | 9 | 80 | 58 | 20 | 2 |
| | 5 | 299 | 42 | 790 | 1,578 | -532 | 1,200 | 7 | 12 | 97 | 69 | 26 | 2 |
| | 6 | 475 | 49 | 736 | 1,413 | -146 | 895 | 6 | 6 | 92 | 64 | 26 | 2 |
| | 7 | 154 | 171 | 916 | 1,416 | -935 | 1,405 | 6 | 9 | 66 | 46 | 18 | 2 |
| | 8 | 159 | 392 | 853 | 1,270 | -941 | 1,288 | 6 | 9 | 76 | 51 | 22 | 2 |
| | 9 | 176 | 161 | 727 | 1,400 | -842 | 1,214 | 7 | 8 | 89 | 60 | 26 | 3 |
| | 10 | 311 | 160 | 784 | 1,705 | -938 | 1,266 | 19 | 5 | 84 | 60 | 21 | 3 |
| | 11 | 166 | 122 | 824 | 1,804 | -879 | 1,391 | 20 | 3 | 78 | 57 | 18 | 3 |
| | 12 | 109 | 264 | 929 | 1,440 | -719 | 1,301 | 44 | 5 | 94 | 71 | 17 | 6 |
| | | | | | | | | | | | | | |
| 2023 ^p | 1 | 319 | 143 | 814 | 1,356 | -554 | 1,066 | 38 | 10 | 103 | 75 | 20 | 8 |
| | 2 | 287 | 86 | 692 | 1,381 | -516 | 1,017 | 34 | 6 | 96 | 67 | 24 | 5 |
| | 3 | 250 | 93 | 818 | 1,456 | -735 | 1,259 | 23 | 9 | 106 | 77 | 25 | 4 |
| | 4 | 268 | 63 | 780 | 1,580 | -699 | 1,154 | 18 | 8 | 101 | 73 | 23 | 6 |
| | 5 | 453 | 86 | 764 | 1,613 | -430 | 928 | 7 | 6 | 78 | 58 | 19 | 1 |
| | 6 | 364 | 91 | 680 | 1,436 | -230 | 868 | 3 | 6 | 97 | 70 | 23 | 4 |
| | | | | | | | | | | | | | |
| 2022 ^p 1-6 | 2,232 | 761 | 4,838 | 1,413 | -3,231 | 7,011 | 219 | 57 | 578 | 408 | 147 | 23 | |
| 2023 ^p 1-6 | 1,942 | 562 | 4,548 | 1,436 | -3,165 | 6,292 | 123 | 45 | 582 | 421 | 133 | 28 | |

1. 가정, 상업, 공공부문 합계

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

자료: 한국석유공사-PEDSIS

1. Sum of residential, commercial and public sector

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

Source: Korea National Oil Corporation-PEDSIS

5.5.8 납사

Naphtha

| | | 공급 Supply | | | | | 소비 Consumption | | | | | |
|-------------------|-----|--------------|---------|-------|-------------|-----------------------|------------------------------|----------------------------|--------|----------------|-----------------|--|
| | | 수입 | 수출 | 재고 | 일차에너지 공급 | 정제생산 | 발전 및 열생산 투입 | 에너지산업 자체소비 | 최종소비 | | | |
| | | Imports | Exports | Stock | TPES | Petroleum Products | Power Generatoin & Others | Energy Industry Own Use | TFC | 산업 Industry | 수송 Transport | 건물 ¹ Building ¹ |
| | | 1,000 ton | | | | | | | | | | |
| 1990 | | 1,676 | 362 | 185 | 1,325 | 3,389 | - | 0 | 4,685 | 4,685 | - | - |
| 1995 | | 7,815 | 2,321 | 579 | 5,595 | 8,335 | - | 0 | 13,030 | 13,030 | - | - |
| 2000 | | 12,106 | 5,314 | 753 | 6,712 | 15,454 | - | 29 | 22,044 | 22,042 | - | 2 |
| 2001 | | 13,026 | 5,573 | 996 | 7,210 | 14,793 | - | 36 | 21,926 | 21,926 | - | - |
| 2002 | | 13,263 | 4,889 | 829 | 8,541 | 14,480 | - | 87 | 22,928 | 22,928 | - | - |
| 2003 | | 14,358 | 3,369 | 639 | 11,179 | 12,674 | - | 39 | 23,812 | 23,812 | - | - |
| 2004 | | 14,291 | 3,390 | 1,194 | 10,347 | 14,348 | - | 26 | 24,672 | 24,672 | - | - |
| 2005 | | 13,413 | 2,806 | 1,257 | 10,716 | 15,027 | - | 22 | 25,501 | 25,501 | - | - |
| 2006 | | 13,812 | 3,045 | 1,159 | 10,865 | 15,485 | - | 20 | 26,465 | 26,465 | - | - |
| 2007 | | 15,640 | 3,201 | 1,048 | 12,550 | 16,278 | - | 2 | 28,968 | 28,968 | - | - |
| 2008 | | 16,686 | 2,493 | 1,065 | 14,176 | 13,527 | - | 4 | 27,721 | 27,721 | - | - |
| 2009 | | 19,673 | 2,890 | 906 | 16,941 | 12,654 | - | 10 | 29,602 | 29,602 | - | - |
| 2010 | | 20,517 | 3,493 | 961 | 16,969 | 14,572 | - | 0 | 31,536 | 31,536 | - | - |
| 2011 | | 20,507 | 3,850 | 958 | 16,685 | 16,242 | - | - | 32,996 | 32,996 | - | - |
| 2012 | | 22,567 | 3,621 | 1,283 | 18,621 | 17,101 | - | 0 | 35,726 | 35,726 | - | 0 |
| 2013 | | 22,660 | 4,303 | 1,384 | 18,213 | 17,420 | - | 0 | 35,661 | 35,661 | - | - |
| 2014 | | 22,381 | 3,847 | 1,394 | 18,524 | 18,119 | - | 2 | 36,540 | 36,540 | - | - |
| 2015 | | 21,498 | 5,204 | 1,319 | 16,369 | 21,242 | - | 0 | 37,684 | 37,684 | - | - |
| 2016 | | 21,999 | 5,414 | 1,339 | 16,566 | 23,239 | - | 0 | 39,476 | 39,476 | - | - |
| 2017 | | 21,718 | 4,808 | 1,110 | 17,139 | 27,104 | - | 0 | 41,801 | 41,801 | - | - |
| 2018 | | 23,804 | 4,739 | 1,642 | 18,533 | 27,058 | - | - | 40,530 | 40,530 | - | - |
| 2019 | | 24,596 | 5,155 | 1,261 | 19,822 | 27,671 | - | - | 39,756 | 39,756 | - | - |
| 2020 | | 23,490 | 3,990 | 1,844 | 18,917 | 24,469 | - | - | 36,328 | 36,328 | - | - |
| 2021 | | 27,557 | 3,394 | 1,581 | 24,421 | 23,377 | - | - | 40,243 | 40,243 | - | - |
| 2022 ^p | | 25,740 | 3,693 | 1,464 | 22,164 | 24,423 | - | - | 38,727 | 38,727 | - | - |
| 2021 | 6 | 2,352 | 296 | 1,567 | 2,022 | 1,666 | - | - | 3,100 | 3,100 | - | - |
| | 7 | 2,535 | 362 | 1,474 | 2,267 | 1,773 | - | - | 3,398 | 3,398 | - | - |
| | 8 | 2,544 | 276 | 1,589 | 2,153 | 2,041 | - | - | 3,578 | 3,578 | - | - |
| | 9 | 2,629 | 344 | 1,552 | 2,323 | 1,831 | - | - | 3,545 | 3,545 | - | - |
| | 10 | 2,435 | 288 | 1,679 | 2,019 | 1,944 | - | - | 3,318 | 3,318 | - | - |
| | 11 | 2,165 | 267 | 1,636 | 1,940 | 1,923 | - | - | 3,233 | 3,233 | - | - |
| 2022 ^p | 12 | 2,646 | 238 | 1,581 | 2,464 | 2,083 | - | - | 3,862 | 3,862 | - | - |
| | 1 | 2,274 | 158 | 1,609 | 2,089 | 2,129 | - | - | 3,679 | 3,679 | - | - |
| | 2 | 2,151 | 278 | 1,843 | 1,639 | 1,851 | - | - | 3,039 | 3,039 | - | - |
| | 3 | 2,206 | 217 | 1,934 | 1,899 | 2,223 | - | - | 3,483 | 3,483 | - | - |
| | 4 | 2,021 | 166 | 1,864 | 1,925 | 2,035 | - | - | 3,428 | 3,428 | - | - |
| | 5 | 1,911 | 291 | 1,910 | 1,574 | 2,046 | - | - | 3,115 | 3,115 | - | - |
| | 6 | 1,871 | 269 | 1,910 | 1,601 | 2,030 | - | - | 2,954 | 2,954 | - | - |
| | 7 | 2,562 | 416 | 1,925 | 2,131 | 2,043 | - | - | 3,499 | 3,499 | - | - |
| | 8 | 2,176 | 405 | 1,819 | 1,877 | 2,111 | - | - | 3,316 | 3,316 | - | - |
| | 9 | 1,941 | 376 | 1,636 | 1,748 | 2,033 | - | - | 3,027 | 3,027 | - | - |
| | 10 | 2,220 | 383 | 1,805 | 1,668 | 1,934 | - | - | 2,800 | 2,800 | - | - |
| | 11 | 2,258 | 355 | 1,802 | 1,906 | 1,987 | - | - | 3,048 | 3,048 | - | - |
| | 12 | 2,148 | 379 | 1,464 | 2,107 | 2,001 | - | - | 3,338 | 3,338 | - | - |
| 2023 ^p | 1 | 2,358 | 270 | 1,419 | 2,133 | 2,046 | - | - | 3,345 | 3,345 | - | - |
| | 2 | 2,613 | 288 | 1,886 | 1,858 | 1,860 | - | - | 3,020 | 3,020 | - | - |
| | 3 | 2,195 | 304 | 1,634 | 2,143 | 2,089 | - | - | 3,471 | 3,471 | - | - |
| | 4 | 1,708 | 465 | 1,542 | 1,335 | 2,155 | - | - | 2,888 | 2,888 | - | - |
| | 5 | 1,881 | 387 | 1,869 | 1,168 | 2,459 | - | - | 2,925 | 2,925 | - | - |
| | 6 | 1,995 | 361 | 2,037 | 1,466 | 1,826 | - | - | 2,756 | 2,756 | - | - |
| 2022 ^p | 1-6 | 12,435 | 1,378 | 1,910 | 10,727 | 12,314 | - | - | 19,698 | 19,698 | - | - |
| 2023 ^p | 1-6 | 12,750 | 2,075 | 2,037 | 10,103 | 12,436 | - | - | 18,405 | 18,405 | - | - |

1. 가정, 상업, 공공부문 합계
자료: 한국석유공사-PEDSIS

1. Sum of residential, commercial and public sector
Source: Korea National Oil Corporation-PEDSIS



6. 전기·열

Electricity and Heat

6.1 발전 현황

Electricity Overview

6.2 발전 설비 현황

Generating Facilities

6.3 발전 설비별 발전량

Power Generation by Facility Type

6.4 발전연료 소비

Fuel Consumption of Power Generation

6.5 종별 고객호수 및 판매량

Customers and Sales Volume by Type

6.6 부문별 전기 소비

Electricity Consumption by Sector

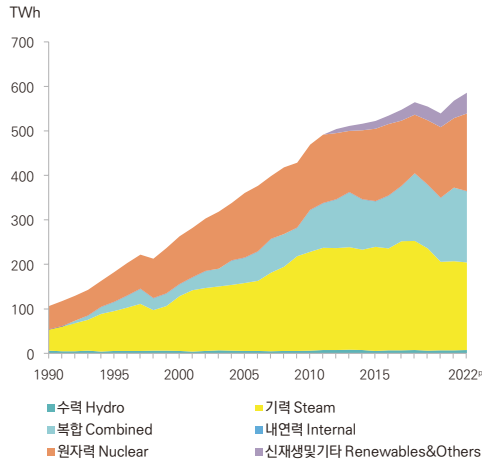
6.7 열에너지(지역난방) 수급

Heat Overview

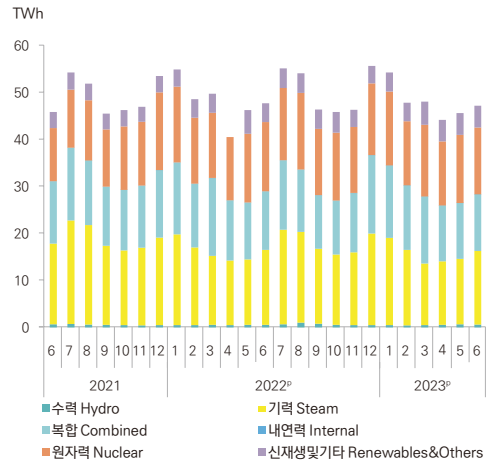


● 발전 설비별 발전량 Power Generation Amount by Generating Facility

〈1990~2022^p〉

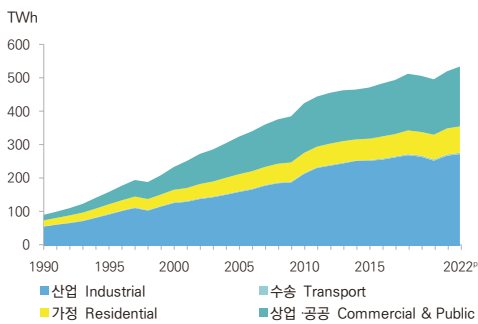


〈월별 Monthly〉

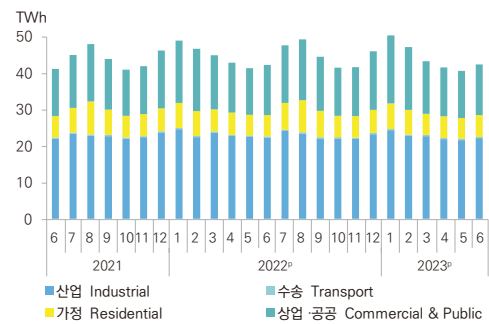


● 부문별 전력 소비 Electricity Consumption by Sector

〈1990~2022^p〉

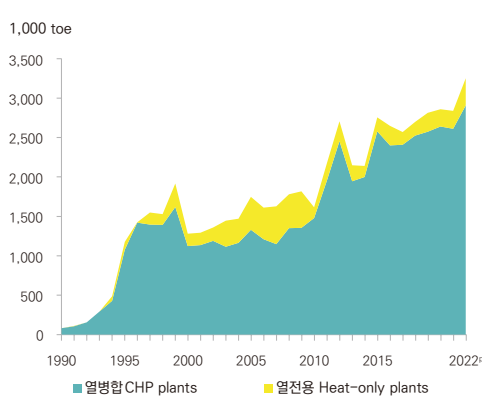


〈월별 Monthly〉



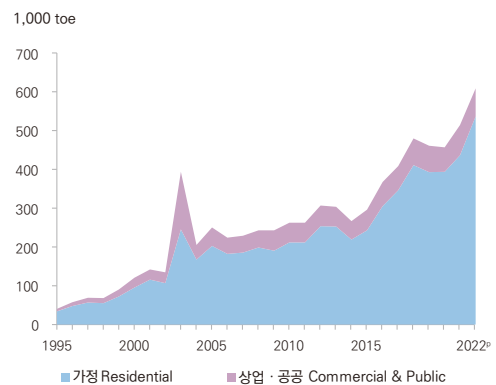
● 전환과정 내 열 생산 Heat Production in the Transformation Processes

〈1990~2022^p〉



● 열 소비 Heat Consumption

〈1990~2022^p〉



6.1 발전 현황

Electricity Overview

| | | 총발전량 | 설비용량 ¹ | 공급능력 ¹ | 최대전력 ¹ | 평균전력 | 공급예비율 | 평균부하율 |
|-------------------|-----|-------------------------------|-----------------------------------|--------------------------------|------------------------|--------------|------------------------|---------------------|
| | | Total power generation amount | Power plant capacity ¹ | Supply capability ¹ | Peak load ¹ | Average load | Supplied reserve ratio | Average 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 |
| 2001 | | 285,224 | 49,632 | 48,699 | 43,125 | 32,560 | 12.9 | 75.5 |
| 2002 | | 306,474 | 52,799 | 52,113 | 45,773 | 34,986 | 13.9 | 76.4 |
| 2003 | | 322,452 | 56,081 | 55,488 | 47,385 | 36,810 | 17.1 | 77.7 |
| 2004 | | 342,148 | 59,129 | 57,528 | 51,264 | 39,058 | 12.2 | 76.2 |
| 2005 | | 364,639 | 61,737 | 60,818 | 54,631 | 41,625 | 11.3 | 76.2 |
| 2006 | | 381,181 | 64,778 | 65,183 | 58,994 | 43,514 | 10.5 | 73.8 |
| 2007 | | 403,125 | 67,196 | 66,778 | 62,285 | 46,019 | 7.2 | 73.9 |
| 2008 | | 422,355 | 70,353 | 68,519 | 62,794 | 48,082 | 9.1 | 76.6 |
| 2009 | | 433,604 | 73,470 | 72,071 | 66,797 | 49,498 | 7.9 | 74.1 |
| 2010 | | 474,660 | 76,078 | 75,747 | 71,308 | 54,185 | 6.2 | 76.0 |
| 2011 | | 496,893 | 76,649 | 77,179 | 73,137 | 56,723 | 5.5 | 77.6 |
| 2012 | | 509,574 | 81,806 | 79,972 | 75,987 | 58,012 | 5.2 | 76.3 |
| 2013 | | 517,147 | 82,296 | 80,713 | 76,522 | 59,035 | 5.5 | 77.1 |
| 2014 | | 521,971 | 93,216 | 89,357 | 80,153 | 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 | 8.4 | 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 ^p | | 594,400 | 137,938 | 105,628 | 94,509 | 67,854 | 11.8 | 71.8 |
| 2021 | 6 | 45,788 | 129,623 | 87,573 | 75,854 | 63,595 | 15.4 | 83.8 |
| | 7 | 54,145 | 131,330 | 100,739 | 91,141 | 72,775 | 10.5 | 79.8 |
| | 8 | 51,796 | 131,330 | 98,952 | 86,355 | 69,618 | 14.6 | 80.6 |
| | 9 | 45,410 | 131,895 | 90,532 | 77,820 | 63,070 | 16.3 | 81.0 |
| | 10 | 46,147 | 131,895 | 82,449 | 75,698 | 62,026 | 8.9 | 81.3 |
| | 11 | 46,885 | 133,564 | 95,394 | 80,362 | 65,119 | 18.7 | 81.0 |
| | 12 | 53,374 | 134,158 | 103,554 | 90,708 | 71,739 | 14.2 | 79.0 |
| 2022 ^p | 1 | 54,792 | 134,020 | 107,631 | 89,397 | 73,646 | 20.4 | 82.4 |
| | 2 | 48,488 | 133,069 | 100,103 | 87,351 | 72,154 | 14.6 | 82.6 |
| | 3 | 49,659 | 133,561 | 89,033 | 78,233 | 66,746 | 13.8 | 85.3 |
| | 4 | 44,859 | 133,680 | 84,457 | 71,879 | 62,304 | 17.5 | 86.7 |
| | 5 | 46,181 | 133,917 | 84,474 | 73,134 | 62,071 | 15.5 | 84.9 |
| | 6 | 47,587 | 134,092 | 94,364 | 84,739 | 66,093 | 11.4 | 78.0 |
| | 7 | 55,027 | 134,239 | 99,716 | 92,990 | 73,962 | 7.2 | 79.5 |
| | 8 | 53,964 | 134,417 | 100,691 | 89,263 | 72,532 | 12.8 | 81.3 |
| | 9 | 46,308 | 134,719 | 91,923 | 82,122 | 64,317 | 11.9 | 78.3 |
| | 10 | 45,742 | 134,768 | 86,098 | 72,544 | 61,481 | 18.7 | 84.7 |
| | 11 | 46,223 | 136,268 | 92,682 | 82,117 | 64,199 | 12.9 | 78.2 |
| | 12 | 55,570 | 137,938 | 105,628 | 94,509 | 74,692 | 11.8 | 79.0 |
| 2023 ^p | 1 | 54,156 | 138,399 | 103,138 | 92,613 | 72,790 | 11.4 | 78.6 |
| | 2 | 47,724 | 138,647 | 101,103 | 84,290 | 71,018 | 19.9 | 84.3 |
| | 3 | 47,933 | 138,860 | 97,952 | 76,510 | 64,426 | 28.0 | 84.2 |
| | 4 | 44,075 | 139,079 | 84,179 | 72,292 | 61,215 | 16.4 | 84.7 |
| | 5 | 45,542 | 140,240 | 82,332 | 72,772 | 61,212 | 13.1 | 84.1 |
| | 6 | 47,103 | 140,955 | 93,562 | 82,196 | 65,421 | 13.8 | 79.6 |
| 2022 ^p | 1-6 | 291,566 | 134,092 | 94,364 | 84,739 | 66,093 | 11.4 | 78.0 |
| 2023 ^p | 1-6 | 286,534 | 140,955 | 93,562 | 82,196 | 65,421 | 13.8 | 79.6 |

1. 최대전력 발생시점 기준.

자료: 한국전력공사-전력통계월보

1. Based on peak demand.

Source: Monthly Report on Major Electric Power Statistics, KEPCO

6.2 발전 설비 현황

Generating Facilities

| | | 합계 Total | 수력 Hydro | 기력 Steam | 복합 Combined | 내연력 Internal | 원자력 Nuclear | 신재생 Renewables | 기타 ¹ Others ¹ |
|-------------------|-----|-------------|-------------|-------------|----------------|-----------------|----------------|-------------------|--|
| | | 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 | - | - |
| 2001 | | 50,859 | 3,876 | 21,559 | 11,436 | 273 | 13,716 | - | - |
| 2002 | | 53,801 | 3,876 | 21,749 | 12,186 | 275 | 15,716 | - | - |
| 2003 | | 56,053 | 3,877 | 23,045 | 13,086 | 246 | 15,716 | 83 | - |
| 2004 | | 59,961 | 3,879 | 24,693 | 14,313 | 252 | 16,716 | 108 | - |
| 2005 | | 62,258 | 3,883 | 25,193 | 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 | 40,153 | 38,210 | 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 ^p | | 138,193 | 6,512 | 39,895 | 40,217 | 137 | 24,650 | 26,325 | 457 |
| 2021 | 6 | 131,069 | 6,519 | 39,765 | 40,186 | 176 | 23,250 | 20,659 | 514 |
| | 7 | 131,330 | 6,519 | 39,765 | 40,186 | 176 | 23,250 | 20,921 | 514 |
| | 8 | 131,650 | 6,518 | 39,765 | 40,186 | 176 | 23,250 | 21,240 | 515 |
| | 9 | 132,113 | 6,523 | 39,765 | 40,186 | 176 | 23,250 | 21,699 | 515 |
| | 10 | 133,455 | 6,523 | 40,805 | 40,186 | 176 | 23,250 | 22,000 | 515 |
| | 11 | 133,896 | 6,541 | 40,805 | 40,186 | 176 | 23,250 | 22,423 | 515 |
| | 12 | 134,020 | 6,541 | 40,305 | 40,217 | 177 | 23,250 | 23,014 | 515 |
| 2022 ^p | 1 | 133,069 | 6,540 | 39,105 | 40,217 | 177 | 23,250 | 23,265 | 515 |
| | 2 | 133,561 | 6,538 | 39,105 | 40,217 | 177 | 23,250 | 23,759 | 515 |
| | 3 | 133,680 | 6,520 | 39,105 | 40,217 | 177 | 23,250 | 23,893 | 518 |
| | 4 | 133,917 | 6,520 | 39,105 | 40,217 | 177 | 23,250 | 24,130 | 518 |
| | 5 | 134,060 | 6,512 | 38,855 | 40,217 | 177 | 23,250 | 24,591 | 458 |
| | 6 | 134,237 | 6,512 | 38,855 | 40,217 | 177 | 23,250 | 24,769 | 457 |
| | 7 | 134,291 | 6,512 | 38,855 | 40,217 | 177 | 23,250 | 24,823 | 457 |
| | 8 | 134,695 | 6,512 | 38,855 | 40,217 | 137 | 23,250 | 25,267 | 457 |
| | 9 | 134,768 | 6,511 | 38,855 | 40,217 | 137 | 23,250 | 25,342 | 456 |
| | 10 | 136,031 | 6,511 | 39,895 | 40,217 | 137 | 23,250 | 25,565 | 456 |
| | 11 | 136,268 | 6,512 | 39,895 | 40,217 | 137 | 23,250 | 25,800 | 457 |
| | 12 | 138,193 | 6,512 | 39,895 | 40,217 | 137 | 24,650 | 26,325 | 457 |
| 2023 ^p | 1 | 138,817 | 6,513 | 39,891 | 40,217 | 137 | 24,650 | 26,952 | 457 |
| | 2 | 138,866 | 6,513 | 39,891 | 40,217 | 137 | 24,650 | 27,001 | 457 |
| | 3 | 139,079 | 6,513 | 39,891 | 40,217 | 137 | 24,650 | 27,214 | 457 |
| | 4 | 139,147 | 6,512 | 39,833 | 40,217 | 137 | 24,650 | 27,342 | 457 |
| | 5 | 140,758 | 6,512 | 40,873 | 40,712 | 137 | 24,650 | 27,418 | 457 |
| | 6 | 140,955 | 6,512 | 40,873 | 40,712 | 137 | 24,650 | 27,618 | 454 |
| 2022 ^p | 1-6 | 134,237 | 6,512 | 38,855 | 40,217 | 177 | 23,250 | 24,769 | 457 |
| 2023 ^p | 1-6 | 140,955 | 6,512 | 40,873 | 40,712 | 137 | 24,650 | 27,618 | 454 |

1. 중류탑페열, 여열회수, 천연가스압터빈, 부생가스 등
 자료: 한국전력공사-전력통계월보

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

Source: Monthly Report on Major Electric Power Statistics, KEPCO

6.3 발전 설비별 발전량

Power Generation by Facility Type

| | | 합계 Total | 수력 Hydro | 기력 Steam | 복합 Combined | 내연력 Internal | 원자력 Nuclear | 신재생 Renewables | 기타¹ Others¹ |
|-------------------|-----|-------------|-------------|-------------|----------------|-----------------|----------------|-------------------|----------------|
| | | 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 | - | - |
| 2001 | | 285,224 | 4,151 | 139,582 | 29,033 | 325 | 112,133 | - | - |
| 2002 | | 306,474 | 5,311 | 143,370 | 38,337 | 353 | 119,103 | - | - |
| 2003 | | 322,452 | 6,887 | 145,148 | 40,375 | 370 | 129,672 | - | - |
| 2004 | | 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 | 200,955 | 145,253 | 405 | 160,184 | 31,190 | 7,027 |
| 2021 | | 576,809 | 6,737 | 202,657 | 167,024 | 491 | 158,015 | 39,102 | 2,783 |
| 2022 ^p | | 594,400 | 7,256 | 199,031 | 162,204 | 570 | 176,054 | 47,266 | 2,019 |
| | | | | | | | | | |
| 2021 | 6 | 45,788 | 687 | 17,142 | 13,188 | 30 | 11,314 | 3,190 | 238 |
| | 7 | 54,145 | 712 | 22,027 | 15,409 | 40 | 12,303 | 3,390 | 264 |
| | 8 | 51,796 | 606 | 21,124 | 13,710 | 40 | 12,780 | 3,289 | 247 |
| | 9 | 45,410 | 574 | 16,771 | 12,492 | 43 | 12,172 | 3,172 | 186 |
| | 10 | 46,147 | 507 | 15,873 | 12,818 | 38 | 13,462 | 3,249 | 200 |
| | 11 | 46,885 | 433 | 16,516 | 13,140 | 34 | 13,567 | 2,992 | 203 |
| | 12 | 53,374 | 518 | 18,572 | 14,284 | 41 | 16,532 | 3,224 | 203 |
| | | | | | | | | | |
| 2022 ^p | 1 | 54,792 | 520 | 19,262 | 15,190 | 55 | 16,103 | 3,470 | 191 |
| | 2 | 48,488 | 491 | 16,498 | 13,510 | 58 | 13,990 | 3,745 | 195 |
| | 3 | 49,659 | 554 | 14,627 | 16,489 | 60 | 13,867 | 3,880 | 183 |
| | 4 | 44,859 | 473 | 13,745 | 12,756 | 53 | 13,385 | 4,268 | 178 |
| | 5 | 46,181 | 538 | 13,931 | 12,031 | 40 | 14,610 | 4,894 | 137 |
| | 6 | 47,587 | 556 | 15,901 | 12,402 | 42 | 14,726 | 3,829 | 131 |
| | 7 | 55,027 | 686 | 20,077 | 14,682 | 63 | 15,355 | 4,022 | 143 |
| | 8 | 53,964 | 1,024 | 19,273 | 13,179 | 47 | 16,309 | 3,962 | 170 |
| | 9 | 46,308 | 803 | 15,913 | 11,347 | 32 | 14,094 | 3,972 | 148 |
| | 10 | 45,742 | 576 | 14,928 | 11,410 | 40 | 14,382 | 4,188 | 218 |
| | 11 | 46,223 | 524 | 15,457 | 12,550 | 35 | 14,006 | 3,504 | 146 |
| | 12 | 55,570 | 510 | 19,418 | 16,658 | 45 | 15,229 | 3,532 | 178 |
| | | | | | | | | | |
| 2023 ^p | 1 | 54,156 | 518 | 18,498 | 15,377 | 40 | 15,655 | 3,877 | 190 |
| | 2 | 47,724 | 428 | 16,075 | 13,676 | 34 | 13,606 | 3,709 | 196 |
| | 3 | 47,933 | 526 | 13,058 | 14,206 | 34 | 15,198 | 4,642 | 269 |
| | 4 | 44,075 | 551 | 13,480 | 11,860 | 33 | 13,570 | 4,383 | 197 |
| | 5 | 45,542 | 663 | 13,923 | 11,830 | 35 | 14,458 | 4,445 | 187 |
| | 6 | 47,103 | 596 | 15,630 | 12,057 | 25 | 14,167 | 4,451 | 178 |
| | | | | | | | | | |
| 2022 ^p | 1-6 | 291,566 | 3,132 | 93,964 | 82,378 | 308 | 86,681 | 24,087 | 1,016 |
| 2023 ^p | 1-6 | 286,534 | 3,282 | 90,664 | 79,007 | 203 | 86,655 | 25,507 | 1,216 |

1. 중류탑폐열, 여열회수, 천연가스압터빈, 부생가스 등
 자료: 한국전력공사-전력통계월보

1. 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 Petroleum | | | 액화천연가스 |
|-------------------|-----|-------------|-------------------|-------------------|-----------------|----------------|------------------|-----------|
| | | 합계 Total | 무연탄 Anthracite | 유연탄 Bituminous | 합계 Total | 중유 Fuel oil | 경유 Diesel oil | LNG |
| | | 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 |
| 2001 | | 40,795 | 2,875 | 37,919 | 5,604 | 5,497 | 107 | 4,780 |
| 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 | 1,692 | 1,581 | 111 | 12,497 |
| 2015 | | 81,558 | 2,125 | 79,433 | 1,962 | 1,851 | 111 | 8,764 |
| 2016 | | 80,573 | 2,528 | 78,045 | 2,939 | 2,784 | 155 | 8,284 |
| 2017 | | 90,296 | 1,079 | 89,217 | 1,101 | 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 | 10,144 |
| 2021 | | 67,778 | 900 | 66,878 | 498 | 291 | 207 | 12,462 |
| 2022 ^p | | 66,087 | 885 | 65,202 | 375 | 114 | 261 | 10,707 |
| 2021 | 6 | 5,657 | 70 | 5,587 | 40 | 17 | 23 | 1,003 |
| | 7 | 7,308 | 121 | 7,187 | 79 | 59 | 19 | 1,229 |
| | 8 | 7,168 | 121 | 7,047 | 25 | 12 | 13 | 1,039 |
| | 9 | 5,641 | 30 | 5,611 | 61 | 47 | 14 | 987 |
| | 10 | 5,158 | 44 | 5,115 | 57 | 38 | 19 | 973 |
| | 11 | 5,578 | 109 | 5,468 | 45 | 23 | 22 | 971 |
| | 12 | 6,243 | - | 6,243 | 21 | 6 | 14 | 1,025 |
| 2022 ^p | 1 | 6,395 | - | 6,395 | 94 | 71 | 23 | 931 |
| | 2 | 5,333 | - | 5,333 | 31 | 7 | 24 | 840 |
| | 3 | 4,530 | 0 | 4,530 | 30 | 7 | 23 | 989 |
| | 4 | 4,487 | 122 | 4,364 | 25 | 6 | 19 | 757 |
| | 5 | 4,795 | 83 | 4,711 | 22 | 3 | 19 | 795 |
| | 6 | 5,530 | 79 | 5,451 | 26 | 3 | 22 | 869 |
| | 7 | 6,997 | 136 | 6,861 | 23 | 4 | 20 | 1,007 |
| | 8 | 6,629 | 133 | 6,496 | 26 | 4 | 23 | 844 |
| | 9 | 5,427 | 62 | 5,365 | 21 | 1 | 20 | 793 |
| | 10 | 4,788 | 85 | 4,704 | 25 | 3 | 22 | 850 |
| | 11 | 4,872 | 63 | 4,810 | 24 | 2 | 22 | 861 |
| | 12 | 6,303 | 122 | 6,181 | 28 | 3 | 25 | 1,171 |
| 2023 ^p | 1 | 6,005 | 120 | 5,884 | 27 | 3 | 24 | 995 |
| | 2 | 5,478 | 121 | 5,357 | 26 | 2 | 24 | 951 |
| | 3 | 4,206 | 92 | 4,113 | 27 | 2 | 25 | 797 |
| | 4 | 4,159 | 12 | 4,147 | 24 | 2 | 22 | 723 |
| | 5 | 4,325 | 32 | 4,293 | 31 | 3 | 28 | 644 |
| | 6 | 4,925 | 58 | 4,867 | 26 | 0 | 26 | 753 |
| 2022 ^p | 1-6 | 31,070 | 285 | 30,785 | 227 | 97 | 130 | 5,181 |
| 2023 ^p | 1-6 | 29,097 | 436 | 28,662 | 160 | 11 | 149 | 4,864 |

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 종별 고객호수 및 판매량

Customers and Sales Volume by Type

| | | 고객호수 Customers | | | 판매량 Sales volume | | |
|-------------------|-----|-------------------|-----------|------------|---------------------|-----------|------------|
| | | 합계 Total | 저압 Low | 고압 High | 합계 Total | 저압 Low | 고압 High |
| | | Thousand each | | | 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 |
| 2001 | | 15,619 | 15,479 | 140 | 257,731 | 78,556 | 179,176 |
| 2002 | | 16,490 | 16,333 | 157 | 278,451 | 85,452 | 193,000 |
| 2003 | | 16,776 | 16,600 | 176 | 293,599 | 88,969 | 204,630 |
| 2004 | | 17,062 | 16,868 | 194 | 312,096 | 92,539 | 219,557 |
| 2005 | | 17,329 | 17,117 | 212 | 332,413 | 97,639 | 234,773 |
| 2006 | | 17,625 | 17,395 | 230 | 348,719 | 100,683 | 248,036 |
| 2007 | | 18,039 | 17,789 | 249 | 368,605 | 103,161 | 265,445 |
| 2008 | | 18,419 | 18,152 | 268 | 385,070 | 105,899 | 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 ^p | | 24,866 | 24,170 | 696 | 547,933 | 118,406 | 429,526 |
| 2021 | 6 | 24,291 | 23,666 | 624 | 42,032 | 8,178 | 33,854 |
| | 7 | 24,329 | 23,701 | 628 | 45,972 | 9,015 | 36,957 |
| | 8 | 24,345 | 23,715 | 630 | 48,930 | 11,390 | 37,540 |
| | 9 | 24,375 | 23,740 | 634 | 44,819 | 9,667 | 35,152 |
| | 10 | 24,395 | 23,758 | 638 | 41,838 | 8,304 | 33,535 |
| | 11 | 24,981 | 24,339 | 642 | 42,830 | 9,190 | 33,640 |
| | 12 | 24,523 | 23,878 | 646 | 47,251 | 10,095 | 37,155 |
| 2022 ^p | 1 | 24,480 | 23,830 | 650 | 50,443 | 12,053 | 38,389 |
| | 2 | 24,492 | 23,840 | 653 | 47,541 | 12,059 | 35,483 |
| | 3 | 25,058 | 24,402 | 656 | 45,837 | 10,093 | 35,744 |
| | 4 | 24,643 | 23,985 | 659 | 43,758 | 9,275 | 34,483 |
| | 5 | 24,591 | 23,928 | 663 | 42,205 | 7,997 | 34,208 |
| | 6 | 24,632 | 23,966 | 666 | 43,015 | 8,406 | 34,609 |
| | 7 | 24,649 | 23,979 | 669 | 48,533 | 9,808 | 38,725 |
| | 8 | 24,677 | 24,004 | 673 | 50,162 | 11,279 | 38,883 |
| | 9 | 24,712 | 24,034 | 678 | 45,317 | 9,949 | 35,368 |
| | 10 | 24,729 | 24,044 | 685 | 42,343 | 8,300 | 34,043 |
| | 11 | 25,316 | 24,624 | 691 | 42,491 | 9,070 | 33,421 |
| | 12 | 24,866 | 24,170 | 696 | 46,928 | 10,118 | 36,810 |
| 2023 ^p | 1 | 24,806 | 24,105 | 700 | 51,241 | 12,492 | 38,749 |
| | 2 | 24,826 | 24,122 | 704 | 47,875 | 11,987 | 35,888 |
| | 3 | 25,388 | 24,680 | 708 | 44,095 | 9,392 | 34,702 |
| | 4 | 24,955 | 24,243 | 712 | 42,301 | 8,743 | 33,558 |
| | 5 | 24,891 | 24,176 | 715 | 41,426 | 7,953 | 33,473 |
| | 6 | 24,903 | 24,185 | 718 | 43,010 | 8,342 | 34,667 |
| 2022 ^p | 1-6 | 24,632 | 23,966 | 666 | 272,799 | 59,883 | 212,916 |
| 2023 ^p | 1-6 | 24,903 | 24,185 | 718 | 269,947 | 58,909 | 211,038 |

자료: 한국전력공사-전력통계월보

Source: Monthly Report on Major Electric Power Statistics, KEPCO

6.6 부문별 전기 소비

Electricity Consumption by Sector

| | | 합계 | 산업 ¹ | 화학 및 석유화학 | 철강 | 기계류 | 기타 | 수송 | 철도 | 도로 | 가정 | 상업·공공 |
|-----------------------|----|---------|-----------------------|----------------------------|----------------|-----------|---------|-----------|-------|-------|-------------|---------------------|
| | | Total | Industry ¹ | Chemical and Petrochemical | Iron and Steel | Machinery | Others | Transport | Rail | 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 |
| 2001 | | 253,739 | 131,799 | 23,795 | 19,550 | 24,811 | 63,642 | 2,257 | 2,257 | - | 39,211 | 80,472 |
| 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 | | 495,186 | 264,067 | 47,710 | 35,524 | 79,986 | 100,847 | 2,864 | 2,820 | 45 | 66,517 | 161,737 |
| 2018 | | 513,354 | 270,798 | 49,256 | 34,852 | 84,862 | 101,829 | 3,080 | 2,968 | 112 | 70,687 | 168,789 |
| 2019 | | 507,549 | 266,573 | 49,012 | 32,617 | 84,842 | 100,102 | 3,156 | 2,909 | 248 | 70,455 | 167,365 |
| 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 ^p | | 535,339 | 274,069 | 53,422 | 25,902 | 92,551 | 102,195 | 4,025 | 2,751 | 1,274 | 78,557 | 178,687 |
| 2021 | | | | | | | | | | | | |
| | 6 | 40,961 | 21,929 | 4,387 | 2,052 | 7,458 | 8,031 | 294 | 241 | 53 | 5,839 | 12,899 |
| | 7 | 44,811 | 23,278 | 4,727 | 2,159 | 7,990 | 8,403 | 317 | 259 | 59 | 6,764 | 14,451 |
| | 8 | 47,785 | 22,740 | 4,637 | 2,124 | 7,485 | 8,495 | 330 | 266 | 64 | 9,022 | 15,692 |
| | 9 | 43,715 | 22,604 | 4,530 | 2,043 | 7,739 | 8,293 | 308 | 245 | 63 | 6,933 | 13,870 |
| | 10 | 40,775 | 21,940 | 4,373 | 2,200 | 7,447 | 7,919 | 307 | 242 | 65 | 5,908 | 12,620 |
| | 11 | 41,712 | 22,300 | 4,300 | 2,186 | 7,285 | 8,529 | 316 | 240 | 76 | 5,989 | 13,107 |
| | 12 | 45,996 | 23,593 | 4,619 | 2,314 | 7,728 | 8,931 | 355 | 268 | 87 | 6,218 | 15,830 |
| 2022 ^p | | | | | | | | | | | | |
| | 1 | 48,713 | 24,498 | 4,741 | 2,363 | 7,972 | 9,423 | 344 | 257 | 87 | 6,860 | 17,011 |
| | 2 | 46,502 | 22,321 | 4,279 | 1,980 | 7,306 | 8,756 | 319 | 229 | 90 | 6,833 | 17,030 |
| | 3 | 44,695 | 23,583 | 4,623 | 2,371 | 7,735 | 8,854 | 302 | 212 | 90 | 6,027 | 14,783 |
| | 4 | 42,716 | 22,635 | 4,449 | 2,266 | 7,505 | 8,415 | 298 | 203 | 95 | 6,097 | 13,685 |
| | 5 | 41,206 | 22,509 | 4,462 | 2,477 | 7,552 | 8,018 | 309 | 210 | 99 | 5,607 | 12,781 |
| | 6 | 42,066 | 22,235 | 4,486 | 2,147 | 7,438 | 8,164 | 322 | 218 | 104 | 5,810 | 13,698 |
| | 7 | 47,434 | 24,001 | 4,768 | 2,250 | 8,377 | 8,606 | 362 | 253 | 109 | 7,335 | 15,736 |
| | 8 | 49,085 | 23,329 | 4,650 | 2,095 | 8,043 | 8,541 | 381 | 267 | 114 | 8,721 | 16,654 |
| | 9 | 44,334 | 21,980 | 4,311 | 1,880 | 7,612 | 8,177 | 348 | 234 | 114 | 7,184 | 14,821 |
| | 10 | 41,313 | 22,002 | 4,382 | 2,050 | 7,581 | 7,989 | 330 | 210 | 120 | 5,864 | 13,117 |
| | 11 | 41,456 | 21,847 | 3,748 | 1,987 | 7,573 | 8,539 | 345 | 219 | 125 | 5,923 | 13,342 |
| | 12 | 45,819 | 23,129 | 4,523 | 2,035 | 7,858 | 8,713 | 366 | 238 | 128 | 6,297 | 16,027 |
| 2023 ^p | | | | | | | | | | | | |
| | 1 | 50,161 | 24,202 | 4,600 | 2,295 | 8,003 | 9,304 | 385 | 257 | 128 | 6,992 | 18,582 |
| | 2 | 46,955 | 22,643 | 4,283 | 1,869 | 7,664 | 8,827 | 362 | 230 | 132 | 6,796 | 17,155 |
| | 3 | 43,121 | 22,568 | 4,441 | 2,146 | 7,461 | 8,520 | 346 | 207 | 139 | 5,788 | 14,419 |
| | 4 | 41,403 | 21,779 | 4,327 | 2,081 | 7,270 | 8,100 | 342 | 198 | 144 | 5,936 | 13,347 |
| | 5 | 40,462 | 21,537 | 4,354 | 2,198 | 7,194 | 7,790 | 358 | 210 | 148 | 5,675 | 12,892 |
| | 6 | 42,210 | 22,020 | 4,412 | 1,999 | 7,581 | 8,028 | 372 | 220 | 153 | 5,952 | 13,865 |
| 2022 ^p 1-6 | | 265,898 | 137,781 | 27,040 | 13,604 | 45,507 | 51,630 | 1,893 | 1,329 | 564 | 37,234 | 88,990 |
| 2023 ^p 1-6 | | 264,313 | 134,749 | 26,418 | 12,588 | 45,173 | 50,570 | 2,164 | 1,322 | 843 | 37,140 | 90,260 |

1. 농림어업, 광·제조업, 건설업 포함.

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

6.7 열에너지(지역난방) 수급

Heat Overview

| | | 전환과정 ¹ | 열병합 | 열전용 | 최종소비 | 가정 | 상업·공공 |
|-------------------|-----|---------------------------------------|------------|------------------|-------|-------------|---------------------|
| | | Transformation processes ¹ | CHP plants | Heat-only plants | TFC | Residential | Commercial & Public |
| | | 1,000 toe | | | | | |
| 1990 | | 76 | 79 | - | - | - | - |
| 1995 | | 1,172 | 1,073 | 102 | 637 | 603 | 34 |
| 2000 | | 1,267 | 1,118 | 158 | 1,208 | 1,113 | 95 |
| 2001 | | 1,277 | 1,131 | 159 | 1,217 | 1,102 | 115 |
| 2002 | | 1,340 | 1,186 | 167 | 1,224 | 1,118 | 106 |
| 2003 | | 1,419 | 1,110 | 330 | 1,395 | 1,151 | 244 |
| 2004 | | 1,447 | 1,163 | 304 | 1,449 | 1,283 | 166 |
| 2005 | | 1,729 | 1,325 | 415 | 1,652 | 1,449 | 202 |
| 2006 | | 1,588 | 1,208 | 397 | 1,549 | 1,367 | 182 |
| 2007 | | 1,610 | 1,143 | 481 | 1,576 | 1,391 | 185 |
| 2008 | | 1,738 | 1,347 | 429 | 1,669 | 1,472 | 198 |
| 2009 | | 1,765 | 1,349 | 465 | 1,715 | 1,525 | 189 |
| 2010 | | 1,593 | 1,475 | 134 | 1,953 | 1,742 | 211 |
| 2011 | | 2,029 | 1,946 | 218 | 1,954 | 1,743 | 211 |
| 2012 | | 2,576 | 2,447 | 253 | 2,085 | 1,832 | 252 |
| 2013 | | 2,028 | 1,942 | 200 | 2,049 | 1,797 | 252 |
| 2014 | | 2,065 | 1,992 | 141 | 1,938 | 1,720 | 218 |
| 2015 | | 2,625 | 2,570 | 180 | 1,905 | 1,663 | 242 |
| 2016 | | 2,526 | 2,394 | 249 | 2,075 | 1,771 | 304 |
| 2017 | | 2,436 | 2,401 | 163 | 2,300 | 1,955 | 345 |
| 2018 | | 2,620 | 2,518 | 170 | 2,535 | 2,125 | 410 |
| 2019 | | 2,740 | 2,567 | 239 | 2,471 | 2,080 | 391 |
| 2020 | | 2,777 | 2,633 | 217 | 2,592 | 2,200 | 393 |
| 2021 | | 2,762 | 2,602 | 227 | 2,701 | 2,265 | 435 |
| 2022 ^p | | 3,168 | 2,899 | 344 | 2,872 | 2,337 | 535 |
| 2021 | 6 | 83 | 77 | 11 | 89 | 60 | 29 |
| | 7 | 95 | 89 | 11 | 92 | 46 | 46 |
| | 8 | 74 | 69 | 11 | 81 | 38 | 43 |
| | 9 | 69 | 63 | 11 | 77 | 50 | 27 |
| | 10 | 150 | 143 | 12 | 134 | 115 | 19 |
| | 11 | 294 | 282 | 19 | 266 | 235 | 30 |
| | 12 | 472 | 443 | 34 | 462 | 403 | 60 |
| 2022 ^p | 1 | 593 | 535 | 66 | 537 | 459 | 78 |
| | 2 | 516 | 461 | 60 | 462 | 397 | 66 |
| | 3 | 389 | 366 | 30 | 321 | 280 | 41 |
| | 4 | 179 | 161 | 24 | 165 | 145 | 21 |
| | 5 | 103 | 98 | 10 | 109 | 86 | 23 |
| | 6 | 81 | 76 | 11 | 95 | 57 | 38 |
| | 7 | 100 | 96 | 10 | 97 | 46 | 51 |
| | 8 | 99 | 90 | 15 | 94 | 45 | 49 |
| | 9 | 90 | 76 | 20 | 85 | 53 | 32 |
| | 10 | 172 | 162 | 15 | 148 | 122 | 26 |
| | 11 | 276 | 266 | 15 | 226 | 196 | 30 |
| | 12 | 572 | 511 | 67 | 532 | 452 | 80 |
| 2023 ^p | 1 | 555 | 491 | 71 | 523 | 445 | 78 |
| | 2 | 407 | 386 | 27 | 376 | 322 | 54 |
| | 3 | 289 | 277 | 18 | 253 | 219 | 34 |
| | 4 | 182 | 175 | 13 | 152 | 133 | 19 |
| | 5 | 122 | 117 | 10 | 110 | 85 | 25 |
| | 6 | 71 | 73 | 5 | 94 | 54 | 40 |
| 2022 ^p | 1-6 | 1,861 | 1,698 | 201 | 1,690 | 1,423 | 267 |
| 2023 ^p | 1-6 | 1,626 | 1,519 | 144 | 1,508 | 1,257 | 251 |

1. 전환과정 내 열생산량에서 발전용 열투입량 차감

1. Subtracting the heat input for power generation from heat production in the transformation processes



7. 에너지 가격

Energy Prices

7.1 원유 및 석유제품 가격

Oil Prices

7.1.1 원유 수입 가격

Crude Oil Import Prices

7.1.2 주요 석유제품 수입 가격

Import Prices by Petroleum Product

7.1.3 주요 석유제품 수출 가격

Export Prices by Petroleum Product

7.1.4 정유사 판매 가격

Refiner Prices

7.1.5 소비자 판매 가격

Consumer Prices

7.2 석탄 및 전력 가격

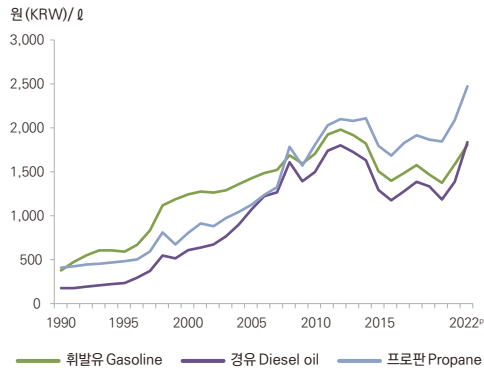
Coal and Electricity Prices

7.3 액화천연가스 수입가격 및 도시가스 가격

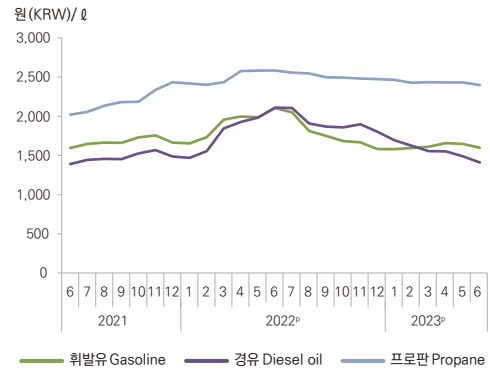
LNG Import Prices and City Gas Prices



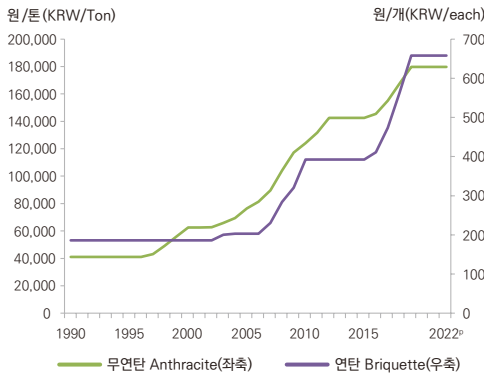
● 석유 소비자 가격 Consumer Prices by Petroleum Product

〈1990~2022^p〉

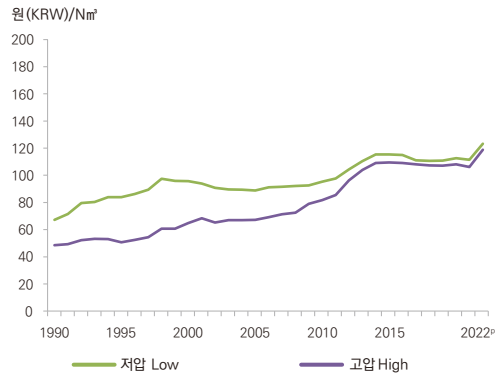
〈월별 Monthly〉



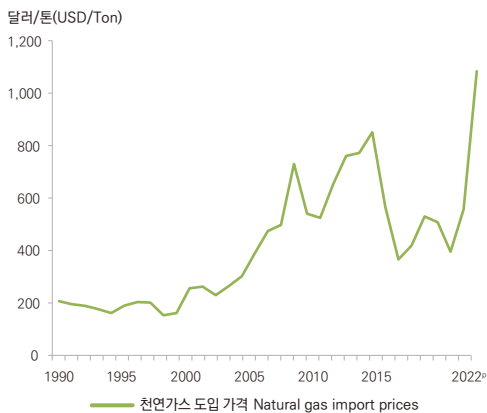
● 석탄 가격 Coal Prices

〈1990~2022^p〉

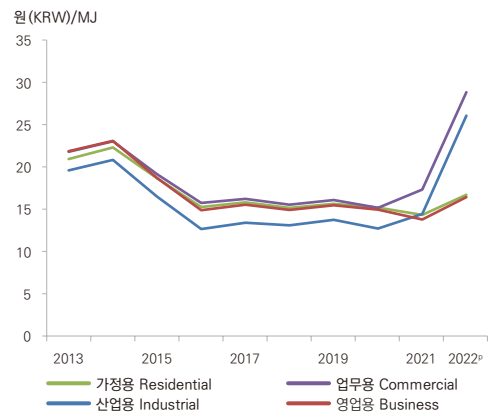
● 전력 가격 Electricity Prices

〈1990~2022^p〉

● 액화천연가스 도입 단가 LNG Import Prices

〈1990~2022^p〉

● 도시가스 가격 City Gas Prices

〈2013~2022^p〉

7.1.1 원유 수입 가격

Crude Oil Import Prices

| | | 평균 Average | 중동 Middle East | 아시아 Asia | 아프리카 Africa | 아메리카 America | 유럽 Europe |
|-------------------|-----|---------------|-------------------|-------------|----------------|-----------------|--------------|
| | | USD/bbl | | | | | |
| 1990 | | 21.0 | 20.8 | 18.3 | 18.3 | 17.7 | - |
| 1995 | | 17.3 | 17.2 | 18.0 | 18.0 | 16.6 | - |
| 2000 | | 28.2 | 28.0 | 29.2 | 29.2 | 25.5 | 28.6 |
| 2001 | | 24.9 | 24.8 | 25.1 | 25.1 | 22.6 | 25.6 |
| 2002 | | 24.2 | 24.2 | 24.2 | 24.2 | 22.2 | 25.7 |
| 2003 | | 28.7 | 28.4 | 30.4 | 30.4 | 27.4 | 33.7 |
| 2004 | | 36.2 | 35.5 | 37.4 | 37.4 | 32.9 | - |
| 2005 | | 50.5 | 50.1 | 48.1 | 48.1 | 42.6 | 58.2 |
| 2006 | | 62.8 | 62.5 | 65.0 | 65.0 | 54.9 | - |
| 2007 | | 69.4 | 68.9 | 66.9 | 66.9 | 52.6 | - |
| 2008 | | 98.3 | 98.2 | 98.2 | 98.2 | - | - |
| 2009 | | 60.8 | 61.0 | 61.8 | 61.8 | 51.0 | - |
| 2010 | | 78.7 | 78.6 | 73.9 | 73.9 | 76.2 | - |
| 2011 | | 108.0 | 107.4 | 112.4 | 112.4 | 98.7 | 115.3 |
| 2012 | | 112.8 | 112.3 | 119.7 | 119.7 | 98.9 | 117.1 |
| 2013 | | 108.3 | 107.9 | 108.2 | 108.2 | 110.8 | 112.4 |
| 2014 | | 101.2 | 101.0 | 102.0 | 101.8 | 94.3 | 107.4 |
| 2015 | | 53.3 | 53.1 | 54.5 | 53.7 | 52.4 | 56.4 |
| 2016 | | 41.1 | 40.8 | 44.5 | 44.5 | 37.3 | 41.4 |
| 2017 | | 53.4 | 53.1 | 55.7 | 57.1 | 48.5 | 56.7 |
| 2018 | | 71.5 | 71.0 | 73.8 | 74.1 | 70.3 | 75.0 |
| 2019 | | 65.5 | 65.7 | 65.8 | 66.9 | 64.2 | 67.9 |
| 2020 | | 45.3 | 44.1 | 46.7 | 52.2 | 48.8 | 42.4 |
| 2021 | | 70.5 | 70.6 | 71.3 | 73.1 | 69.8 | 68.4 |
| 2022 ^p | | 102.2 | 102.2 | 102.1 | 106.2 | 101.1 | 108.5 |
| 2021 | 6 | 70.6 | 71.3 | 69.6 | 71.8 | 69.2 | 71.2 |
| | 7 | 73.9 | 73.8 | 75.7 | 75.1 | 73.3 | 74.9 |
| | 8 | 73.6 | 72.9 | 74.6 | 77.4 | 74.1 | 76.1 |
| | 9 | 73.9 | 74.0 | 74.1 | 75.0 | 73.4 | 73.1 |
| | 10 | 79.0 | 79.8 | 79.5 | 77.0 | 77.6 | 76.8 |
| | 11 | 82.7 | 82.4 | 84.5 | 83.6 | 82.3 | 85.3 |
| | 12 | 79.5 | 78.8 | 82.1 | 84.0 | 79.4 | 80.3 |
| 2022 ^p | 1 | 82.2 | 83.2 | 83.2 | 79.1 | 79.4 | 79.0 |
| | 2 | 91.5 | 91.4 | 92.1 | 91.8 | 90.3 | 100.9 |
| | 3 | 103.1 | 104.5 | 99.8 | 102.3 | 100.4 | - |
| | 4 | 110.2 | 110.1 | 113.6 | 120.3 | 105.0 | 123.3 |
| | 5 | 110.1 | 110.3 | 110.4 | 112.8 | 108.1 | 109.8 |
| | 6 | 117.0 | 117.7 | 114.9 | 116.6 | 116.6 | 114.3 |
| | 7 | 115.6 | 115.0 | 115.0 | 126.4 | 116.8 | 116.1 |
| | 8 | 107.6 | 106.2 | 107.9 | 113.4 | 113.1 | - |
| | 9 | 104.7 | 104.5 | 97.6 | 109.8 | 105.4 | 106.4 |
| | 10 | 100.9 | 100.7 | 95.9 | 104.7 | 102.8 | 85.4 |
| | 11 | 94.8 | 94.3 | 94.3 | 94.1 | 96.8 | - |
| | 12 | 89.5 | 88.4 | 91.9 | 95.0 | 92.0 | - |
| 2023 ^p | 1 | 86.1 | 84.6 | 84.2 | 88.2 | 91.1 | - |
| | 2 | 85.7 | 85.7 | 82.8 | 88.8 | 86.9 | - |
| | 3 | 84.2 | 83.7 | 83.1 | 86.6 | 86.9 | - |
| | 4 | 84.1 | 84.5 | 82.2 | 86.7 | 83.6 | 85.2 |
| | 5 | 84.5 | 83.9 | 85.6 | 93.1 | 85.9 | - |
| | 6 | 79.0 | 78.6 | 76.0 | 79.1 | 81.3 | - |
| 2022 ^p | 1-6 | 101.7 | 102.4 | 102.8 | 103.7 | 98.1 | 109.5 |
| 2023 ^p | 1-6 | 84.0 | 83.5 | 82.9 | 86.1 | 86.2 | 85.2 |

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 Gasoline | 경유 Diesel oil | 등유 Kerosene | 중질중유 Bunker-C | 액화석유가스 LPG | 납사 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 |
| 2001 | | 29.9 | 30.7 | 31.4 | 24.8 | 25.4 | 27.2 |
| 2002 | | 30.4 | 29.3 | 29.8 | 24.2 | 22.1 | 25.3 |
| 2003 | | 34.0 | 34.0 | 37.5 | 30.1 | 26.3 | 31.3 |
| 2004 | | 46.5 | 44.4 | 45.7 | 33.2 | 31.3 | 42.3 |
| 2005 | | 51.4 | 64.5 | 64.6 | 44.3 | 39.0 | 52.9 |
| 2006 | | - | 84.2 | 76.0 | 53.9 | 47.1 | 64.0 |
| 2007 | | - | 78.5 | 81.9 | 54.6 | 53.0 | 74.0 |
| 2008 | | - | 125.8 | 106.3 | 89.6 | 75.0 | 100.1 |
| 2009 | | - | 61.8 | 71.3 | 53.0 | 46.0 | 58.8 |
| 2010 | | - | 93.5 | 102.5 | 74.1 | 61.9 | 80.4 |
| 2011 | | - | 130.4 | 129.6 | 102.7 | 76.6 | 104.2 |
| 2012 | | 119.7 | 128.2 | 128.0 | 109.2 | 79.6 | 105.7 |
| 2013 | | 124.7 | 127.3 | 126.7 | 101.3 | 77.3 | 103.0 |
| 2014 | | - | 122.6 | 125.7 | 95.5 | 76.4 | 101.8 |
| 2015 | | 85.9 | 75.4 | 124.9 | 48.0 | 41.9 | 55.8 |
| 2016 | | 64.2 | 55.4 | 47.7 | 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 ^p | | 150.8 | 113.5 | 90.8 | 92.2 | 66.2 | 88.7 |
| 2021 | 6 | - | - | - | 68.2 | 46.4 | 67.5 |
| | 7 | - | 60,100.0 | 71.1 | 70.0 | 52.5 | 72.3 |
| | 8 | 83.8 | 78.1 | - | 70.1 | 55.9 | 76.4 |
| | 9 | - | - | - | 77.5 | 58.3 | 74.6 |
| | 10 | - | - | - | 83.2 | 63.6 | 77.7 |
| | 11 | 515.5 | - | - | 78.6 | 68.2 | 86.7 |
| | 12 | - | - | 84.2 | 74.6 | 63.0 | 86.0 |
| 2022 ^p | 1 | - | - | 90.8 | 79.0 | 58.7 | 81.4 |
| | 2 | - | - | - | 85.2 | 64.0 | 88.0 |
| | 3 | - | - | - | 106.2 | 69.0 | 98.6 |
| | 4 | - | - | - | 111.3 | 80.3 | 111.3 |
| | 5 | - | - | - | 112.2 | 76.6 | 101.6 |
| | 6 | - | 113.5 | - | 105.0 | 74.6 | 100.0 |
| | 7 | 169.6 | - | - | 99.8 | 67.8 | 91.6 |
| | 8 | - | - | - | 86.7 | 62.9 | 87.7 |
| | 9 | 142.7 | - | - | 72.5 | 58.1 | 79.7 |
| | 10 | 144.2 | - | - | 80.8 | 62.3 | 74.6 |
| | 11 | - | - | - | 81.3 | 58.6 | 76.2 |
| | 12 | 533.4 | - | - | 74.1 | 65.4 | 77.7 |
| 2023 ^p | 1 | - | - | - | 74.8 | 61.0 | 74.2 |
| | 2 | - | - | - | 73.2 | 66.7 | 76.0 |
| | 3 | - | - | 114.5 | 79.9 | 65.0 | 79.8 |
| | 4 | 124.5 | - | - | 79.9 | 62.6 | 77.5 |
| | 5 | - | - | - | 76.4 | 57.1 | 75.1 |
| | 6 | - | - | - | 75.0 | 53.5 | 67.3 |
| 2022 ^p | 1-6 | - | 113.5 | 90.8 | 96.9 | 69.5 | 96.4 |
| 2023 ^p | 1-6 | 124.5 | - | 114.5 | 76.3 | 61.4 | 75.0 |

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 Gasoline | 경유 Diesel oil | 등유 Kerosene | 중질중유 Bunker-C | 액화석유가스 LPG | 납사 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 |
| 2001 | | 28.5 | 27.5 | 30.8 | 20.9 | 25.1 | 26.1 |
| 2002 | | 27.8 | 27.5 | 29.9 | 23.3 | 22.4 | 25.9 |
| 2003 | | 35.3 | 32.4 | 36.3 | 27.2 | 28.1 | 31.5 |
| 2004 | | 47.5 | 47.2 | 46.6 | 29.8 | 29.3 | 43.3 |
| 2005 | | 62.1 | 64.8 | 60.9 | 42.1 | 38.8 | 53.8 |
| 2006 | | 74.2 | 77.8 | 81.4 | 50.1 | 48.3 | 63.5 |
| 2007 | | 86.4 | 84.9 | 97.7 | 61.8 | 49.4 | 77.4 |
| 2008 | | 93.7 | 121.7 | 109.9 | 79.2 | 70.4 | 90.8 |
| 2009 | | 70.5 | 69.3 | 72.0 | 59.3 | 48.7 | 61.6 |
| 2010 | | 88.4 | 89.9 | 92.9 | 73.9 | 59.9 | 80.3 |
| 2011 | | 118.2 | 125.5 | 130.4 | 102.4 | 72.5 | 103.7 |
| 2012 | | 121.0 | 126.7 | 130.0 | 105.9 | 83.1 | 102.6 |
| 2013 | | 117.5 | 122.9 | 132.7 | 102.6 | 77.7 | 102.7 |
| 2014 | | 108.8 | 112.8 | 107.6 | 96.9 | 78.1 | 95.8 |
| 2015 | | 66.8 | 63.4 | 67.3 | 50.0 | 44.7 | 54.2 |
| 2016 | | 53.9 | 50.8 | 53.9 | 42.8 | 34.1 | 43.8 |
| 2017 | | 67.3 | 65.4 | 70.9 | 56.2 | 43.7 | 54.2 |
| 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 ^p | | 112.8 | 132.7 | 113.3 | 102.8 | 62.4 | 84.1 |
| 2021 | 6 | 80.5 | 77.9 | 77.5 | 78.7 | 51.3 | 70.2 |
| | 7 | 84.3 | 78.5 | 78.9 | 77.0 | 57.3 | 74.2 |
| | 8 | 81.1 | 75.7 | 76.2 | 72.1 | 58.4 | 75.1 |
| | 9 | 83.8 | 80.2 | 80.8 | 78.9 | 60.5 | 76.4 |
| | 10 | 96.7 | 92.1 | 90.4 | 85.2 | 67.6 | 81.4 |
| | 11 | 94.0 | 90.4 | 92.4 | 72.6 | 73.5 | 86.7 |
| | 12 | 88.6 | 85.6 | 87.2 | 76.6 | 63.4 | 87.2 |
| 2022 ^p | 1 | 97.6 | 96.8 | 98.2 | 87.9 | 62.4 | 85.9 |
| | 2 | 108.6 | 108.8 | 107.9 | 103.0 | 65.3 | 99.0 |
| | 3 | 127.3 | 135.1 | 126.8 | 130.6 | 92.3 | 111.1 |
| | 4 | 125.5 | 148.0 | 133.4 | 116.3 | 92.3 | 100.3 |
| | 5 | 139.5 | 152.3 | 140.1 | 141.1 | 83.1 | 100.5 |
| | 6 | 148.8 | 169.6 | - | 154.4 | 72.7 | 89.4 |
| | 7 | 121.7 | 146.3 | 135.4 | 129.6 | 63.8 | 86.3 |
| | 8 | 109.3 | 135.5 | 119.8 | 103.2 | 58.2 | 73.9 |
| | 9 | 96.2 | 126.3 | 123.7 | 90.2 | 58.9 | 72.0 |
| | 10 | 93.1 | 131.1 | 121.0 | 97.8 | 53.3 | 74.0 |
| | 11 | 92.5 | 126.2 | 118.5 | 90.3 | 55.5 | 75.8 |
| | 12 | 86.0 | 114.3 | 114.8 | 78.2 | 57.9 | 72.4 |
| 2023 ^p | 1 | 95.3 | 113.4 | 115.7 | 81.3 | 52.5 | 75.0 |
| | 2 | 98.2 | 106.0 | 109.8 | 86.6 | 63.9 | 80.8 |
| | 3 | 96.1 | 100.5 | 96.6 | 74.5 | 58.5 | 75.6 |
| | 4 | 99.0 | 96.4 | - | 86.5 | 59.1 | 74.3 |
| | 5 | 88.9 | 87.7 | 89.8 | 74.5 | 53.0 | 68.8 |
| | 6 | 91.0 | 90.1 | 90.0 | 75.8 | 42.7 | 61.8 |
| 2022 ^p | 1-6 | 124.1 | 135.4 | 110.0 | 111.0 | 66.4 | 98.0 |
| 2023 ^p | 1-6 | 94.5 | 98.9 | 102.8 | 79.7 | 52.7 | 72.3 |

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

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

Source: Korea National Oil Corporation-PEDSIS

7.1.4 정유사 판매 가격

Refiner Prices

| | | 휘발유 | 경유 | | 등유 ¹ | 중질중유 | 액화석유가스 | |
|-------------------|-----|----------|----------------|--------------------|-----------------------|----------|--------------|----------------|
| | | | Gas/Diesel oil | | | | LPG | |
| | | Gasoline | 선박용 MGO | 자동차용 Automobile | Kerosene ¹ | Bunker-C | 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 | - | - |
| 2001 | | 1,214.5 | 592.0 | 607.6 | 505.3 | 304.0 | 673.2 | 612.6 |
| 2002 | | 1,203.9 | 640.8 | 651.1 | 492.2 | 320.5 | 692.3 | 511.1 |
| 2003 | | 1,231.6 | 748.3 | 748.9 | 571.8 | 339.5 | 870.3 | 568.0 |
| 2004 | | 1,293.0 | 876.3 | 878.7 | 692.9 | 365.4 | 1,042.8 | 617.6 |
| 2005 | | 1,359.4 | 1,045.7 | 1,045.6 | 806.8 | 420.2 | 1,121.4 | 671.8 |
| 2006 | | 1,406.9 | 1,175.7 | 1,185.9 | 857.6 | 489.4 | 1,156.0 | 745.0 |
| 2007 | | 1,433.6 | 1,156.3 | 1,199.8 | 837.9 | 491.3 | - | - |
| 2008 | | 1,554.4 | 1,426.7 | 1,468.6 | 929.5 | 698.0 | 1,584.9 | 1,214.4 |
| 2009 | | 1,491.8 | 1,216.6 | 1,267.4 | 798.0 | 638.7 | 1,229.9 | 850.1 |
| 2010 | | 1,605.9 | 1,333.1 | 1,393.1 | 908.1 | 710.5 | 1,451.1 | 1,056.3 |
| 2011 | | 1,809.8 | 1,572.9 | 1,630.6 | 1,144.2 | 917.8 | 1,656.6 | 1,230.1 |
| 2012 | | 1,860.9 | 1,629.3 | 1,682.2 | 1,185.5 | 1,053.5 | 1,690.5 | 1,261.7 |
| 2013 | | 1,796.6 | 1,570.7 | 1,609.2 | 1,126.9 | 918.7 | 1,636.3 | 1,216.7 |
| 2014 | | 1,684.6 | 1,473.4 | 1,485.0 | 963.6 | 853.4 | 1,597.7 | 1,154.8 |
| 2015 | | 1,389.4 | 1,139.8 | 1,164.5 | 630.9 | 541.9 | 1,169.4 | 727.1 |
| 2016 | | 1,296.2 | 1,027.8 | 1,068.7 | 542.4 | 442.8 | 1,030.6 | 584.4 |
| 2017 | | 1,380.0 | 1,136.4 | 1,161.4 | 650.0 | 564.7 | 1,179.5 | 733.7 |
| 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 ^p | | 1,649.6 | 1,603.5 | 1,712.2 | 1,203.9 | 1,006.5 | 1,581.5 | 1,251.0 |
| 2021 | 6 | 1,512.5 | 1,205.1 | 1,296.1 | 716.4 | 655.2 | 1,240.9 | 808.8 |
| | 7 | 1,555.2 | 1,244.0 | 1,327.1 | 732.3 | 688.4 | 1,280.7 | 820.9 |
| | 8 | 1,537.5 | 1,260.8 | 1,310.2 | 720.7 | 706.1 | 1,368.2 | 921.1 |
| | 9 | 1,561.6 | 1,246.3 | 1,346.7 | 773.4 | 733.2 | 1,424.3 | 980.5 |
| | 10 | 1,670.4 | 1,285.9 | 1,460.4 | 900.2 | 769.3 | 1,424.6 | 987.6 |
| | 11 | 1,588.8 | 1,333.1 | 1,390.3 | 887.5 | 823.3 | 1,548.7 | 1,154.1 |
| | 12 | 1,462.6 | 1,274.2 | 1,286.8 | 848.5 | 809.7 | 1,609.3 | 1,237.9 |
| 2022 ^p | 1 | 1,527.8 | 1,209.8 | 1,369.8 | 937.5 | 804.7 | 1,575.9 | 1,212.2 |
| | 2 | 1,616.6 | 1,345.1 | 1,478.0 | 1,034.8 | 904.5 | 1,534.9 | 1,172.6 |
| | 3 | 1,820.3 | 1,445.8 | 1,742.0 | 1,219.5 | 985.1 | 1,607.7 | 1,230.3 |
| | 4 | 1,803.7 | 1,717.1 | 1,807.5 | 1,294.9 | 1,095.6 | 1,735.0 | 1,358.9 |
| | 5 | 1,875.6 | 1,715.7 | 1,875.3 | 1,386.6 | 1,168.5 | 1,678.3 | 1,341.0 |
| | 6 | 1,984.3 | 1,811.5 | 2,029.1 | 1,569.6 | 1,254.1 | 1,674.1 | 1,340.0 |
| | 7 | 1,745.6 | 1,958.9 | 1,839.7 | 1,375.8 | 1,233.6 | 1,610.9 | 1,311.7 |
| | 8 | 1,614.0 | 1,786.0 | 1,727.3 | 1,340.7 | 872.5 | 1,588.7 | 1,307.6 |
| | 9 | 1,530.6 | 1,684.5 | 1,709.7 | 1,304.3 | 1,068.3 | 1,519.9 | 1,248.5 |
| | 10 | 1,504.2 | 1,708.3 | 1,773.9 | 1,370.7 | 1,030.5 | 1,514.4 | 1,249.3 |
| | 11 | 1,475.0 | 1,744.4 | 1,712.0 | 1,308.5 | 1,093.5 | 1,483.1 | 1,214.3 |
| | 12 | 1,371.2 | 1,669.3 | 1,515.4 | 1,168.4 | 904.2 | 1,459.4 | 1,189.1 |
| 2023 ^p | 1 | 1,490.8 | 1,448.0 | 1,485.9 | 1,149.2 | 857.8 | 1,463.7 | 1,172.9 |
| | 2 | 1,506.2 | 1,429.9 | 1,411.0 | 1,083.2 | 859.4 | 1,409.7 | 1,122.2 |
| | 3 | 1,521.3 | 1,373.9 | 1,392.3 | 1,035.8 | 874.0 | 1,419.1 | 1,126.1 |
| | 4 | 1,567.3 | 1,359.1 | 1,379.3 | 1,023.0 | 857.7 | 1,420.1 | 1,123.1 |
| | 5 | 1,484.1 | 1,327.8 | 1,286.0 | 951.5 | 868.4 | 1,405.2 | 1,116.0 |
| | 6 | 1,488.1 | 1,244.9 | 1,289.8 | 933.1 | 845.0 | 1,291.7 | 1,067.6 |
| 2022 ^p | 1-6 | 1,771.4 | 1,540.8 | 1,717.0 | 1,240.5 | 1,035.4 | 1,634.3 | 1,275.8 |
| 2023 ^p | 1-6 | 1,509.6 | 1,363.9 | 1,374.0 | 1,029.3 | 860.4 | 1,401.6 | 1,121.3 |

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 | 경유 ¹ | 등유 | | 중질중유 ² | 프로판 ³ | 부탄 | |
|-------------------|-----|-----------------------|-------------------------|-------------------|--------------------|-----------------------|----------------------|------------------|------------------|
| | | | | Kerosene | | | | Butane | |
| | | Gasoline ¹ | Diesel oil ¹ | 실내등유 ¹ | 보일러등유 ¹ | Bunker-C ² | Propane ³ | 일반용 ³ | 수송용 ¹ |
| | | KRW/ℓ | | | | KRW/kg | | KRW/ℓ | |
| 1990 | | 383.5 | 182.0 | 191.3 | - | 95.3 | 415.0 | - | - |
| 1995 | | 598.0 | 239.4 | 261.6 | - | 129.5 | 489.7 | - | - |
| 2000 | | 1,248.4 | 612.8 | 559.6 | 544.9 | 304.1 | 809.3 | - | - |
| 2001 | | 1,280.0 | 644.6 | 580.2 | 574.0 | 320.5 | 919.0 | 1,138.9 | 440.0 |
| 2002 | | 1,269.1 | 677.6 | 554.4 | 553.5 | 322.8 | 887.3 | 1,108.1 | 457.7 |
| 2003 | | 1,294.8 | 772.0 | 638.8 | 640.0 | 339.2 | 980.0 | 1,193.3 | 567.4 |
| 2004 | | 1,365.3 | 907.9 | 752.2 | 757.5 | 367.1 | 1,050.2 | 1,234.5 | 673.9 |
| 2005 | | 1,432.3 | 1,079.7 | 871.0 | 873.7 | 420.1 | 1,131.5 | 1,305.1 | 723.4 |
| 2006 | | 1,492.4 | 1,228.2 | 931.9 | 936.2 | 483.0 | 1,242.7 | 1,392.3 | 747.9 |
| 2007 | | 1,525.9 | 1,272.7 | 932.2 | 936.5 | 526.6 | 1,330.6 | 1,453.7 | 773.8 |
| 2008 | | 1,692.1 | 1,614.4 | 1,238.7 | 1,238.6 | 757.1 | 1,789.9 | 1,898.2 | 1,009.0 |
| 2009 | | 1,600.7 | 1,397.5 | 976.2 | 974.8 | 718.7 | 1,577.2 | 1,885.0 | 828.7 |
| 2010 | | 1,710.4 | 1,502.8 | 1,076.0 | 1,075.2 | 772.3 | 1,812.7 | 2,072.0 | 952.2 |
| 2011 | | 1,929.3 | 1,745.7 | 1,321.2 | 1,279.2 | 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 ^p | | 1,812.8 | 1,842.9 | 1,473.9 | - | 1,082.2 | 2,478.1 | 2,854.7 | 1,081.8 |
| 2021 | 6 | 1,577.3 | 1,374.4 | 913.9 | - | 706.4 | 1,999.6 | 2,295.6 | 878.5 |
| | 7 | 1,629.3 | 1,425.5 | 932.2 | - | 728.4 | 2,036.4 | 2,328.5 | 906.3 |
| | 8 | 1,645.8 | 1,440.5 | 940.9 | - | 750.1 | 2,114.5 | 2,405.5 | 952.3 |
| | 9 | 1,642.7 | 1,437.2 | 943.0 | - | 768.2 | 2,160.1 | 2,464.7 | 980.5 |
| | 10 | 1,712.3 | 1,509.3 | 993.0 | - | 813.4 | 2,163.4 | 2,446.7 | 981.2 |
| | 11 | 1,737.4 | 1,549.7 | 1,087.9 | - | 867.4 | 2,312.3 | 2,667.6 | 1,053.8 |
| | 12 | 1,646.4 | 1,468.9 | 1,094.8 | - | 859.0 | 2,410.1 | 2,802.1 | 1,087.5 |
| 2022 ^p | 1 | 1,635.2 | 1,453.5 | 1,098.1 | - | 840.4 | 2,395.0 | 2,788.6 | 1,071.8 |
| | 2 | 1,714.6 | 1,536.6 | 1,171.4 | - | 937.4 | 2,379.0 | 2,775.2 | 1,050.7 |
| | 3 | 1,938.5 | 1,826.9 | 1,347.8 | - | 974.0 | 2,412.1 | 2,811.9 | 1,083.0 |
| | 4 | 1,976.5 | 1,906.4 | 1,427.8 | - | 1,191.7 | 2,552.2 | 2,940.6 | 1,163.2 |
| | 5 | 1,967.1 | 1,964.3 | 1,480.1 | - | 1,190.4 | 2,558.2 | 2,945.9 | 1,134.6 |
| | 6 | 2,084.0 | 2,089.0 | 1,601.8 | - | 1,229.3 | 2,558.8 | 2,943.3 | 1,133.7 |
| | 7 | 2,030.0 | 2,084.9 | 1,686.6 | - | 1,405.7 | 2,531.2 | 2,898.3 | 1,100.2 |
| | 8 | 1,792.2 | 1,889.3 | 1,639.5 | - | 1,305.3 | 2,522.4 | 2,886.3 | 1,088.8 |
| | 9 | 1,730.0 | 1,850.2 | 1,620.2 | - | 1,128.6 | 2,471.2 | 2,830.6 | 1,051.4 |
| | 10 | 1,666.7 | 1,838.3 | 1,598.1 | - | 1,050.8 | 2,469.8 | 2,827.5 | 1,049.5 |
| | 11 | 1,650.3 | 1,879.2 | 1,601.7 | - | 1,142.2 | 2,455.4 | 2,842.1 | 1,032.2 |
| | 12 | 1,563.7 | 1,783.2 | 1,552.6 | - | 986.7 | 2,449.7 | 2,849.1 | 1,021.4 |
| 2023 ^p | 1 | 1,562.9 | 1,675.4 | 1,495.3 | - | 883.8 | 2,440.0 | 2,856.0 | 1,019.7 |
| | 2 | 1,578.5 | 1,606.4 | 1,464.4 | - | 915.6 | 2,405.4 | 2,821.6 | 992.2 |
| | 3 | 1,592.3 | 1,539.7 | 1,426.5 | - | 956.9 | 2,409.7 | 2,816.7 | 989.4 |
| | 4 | 1,641.0 | 1,535.7 | 1,403.8 | - | 882.5 | 2,409.0 | 2,797.7 | 988.3 |
| | 5 | 1,628.8 | 1,472.0 | 1,378.3 | - | 920.7 | 2,408.8 | 2,795.9 | 987.8 |
| | 6 | 1,580.6 | 1,394.5 | 1,336.4 | - | 879.3 | 2,374.2 | 2,749.0 | 961.0 |
| 2022 ^p | 1-6 | 1,886.0 | 1,796.1 | 1,354.5 | - | 1,060.6 | 2,475.9 | 2,867.6 | 1,106.2 |
| 2023 ^p | 1-6 | 1,597.3 | 1,537.3 | 1,417.4 | - | 906.5 | 2,407.9 | 2,806.1 | 989.7 |

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 | 고압 High | 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 |
| 2001 | | 62,210 | 185 | 94.8 | 69.3 | 77.1 |
| 2002 | | 62,474 | 185 | 91.6 | 66.0 | 73.9 |
| 2003 | | 65,598 | 199 | 90.5 | 67.8 | 74.7 |
| 2004 | | 69,025 | 202 | 90.3 | 68.0 | 74.6 |
| 2005 | | 76,197 | 202 | 89.6 | 68.2 | 74.5 |
| 2006 | | 81,110 | 202 | 92.0 | 70.1 | 76.4 |
| 2007 | | 89,220 | 230 | 92.5 | 72.2 | 77.9 |
| 2008 | | 103,841 | 283 | 93.0 | 73.4 | 78.8 |
| 2009 | | 116,809 | 319 | 93.5 | 79.9 | 83.6 |
| 2010 | | 123,680 | 391 | 96.1 | 82.6 | 86.1 |
| 2011 | | 131,456 | 391 | 98.5 | 86.3 | 89.3 |
| 2012 | | 142,230 | 391 | 105.1 | 97.2 | 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 ^p | | 179,380 | 657 | 124.0 | 119.6 | 120.5 |
| 2021 | 6 | 179,380 | 657 | 111.9 | 114.9 | 114.3 |
| | 7 | 179,380 | 657 | 123.5 | 117.3 | 118.5 |
| | 8 | 179,380 | 657 | 123.9 | 116.8 | 118.5 |
| | 9 | 179,380 | 657 | 113.2 | 97.0 | 100.5 |
| | 10 | 179,380 | 657 | 108.2 | 95.5 | 98.0 |
| | 11 | 179,380 | 657 | 108.3 | 115.6 | 114.0 |
| | 12 | 179,380 | 657 | 116.7 | 115.5 | 115.8 |
| 2022 ^p | 1 | 179,380 | 657 | 115.0 | 114.7 | 114.8 |
| | 2 | 179,380 | 657 | 115.1 | 115.3 | 115.2 |
| | 3 | 179,380 | 657 | 110.2 | 98.0 | 100.7 |
| | 4 | 179,380 | 657 | 108.0 | 102.6 | 103.7 |
| | 5 | 179,380 | 657 | 116.4 | 103.0 | 105.5 |
| | 6 | 179,380 | 657 | 123.4 | 121.7 | 122.0 |
| | 7 | 179,380 | 657 | 139.9 | 130.8 | 132.6 |
| | 8 | 179,380 | 657 | 137.7 | 131.4 | 132.9 |
| | 9 | 179,380 | 657 | 129.9 | 112.8 | 116.5 |
| | 10 | 179,380 | 657 | 124.9 | 118.7 | 119.9 |
| | 11 | 179,380 | 657 | 129.7 | 142.3 | 139.6 |
| | 12 | 179,380 | 657 | 137.7 | 141.1 | 140.4 |
| 2023 ^p | 1 | 179,380 | 657 | 140.0 | 149.2 | 147.0 |
| | 2 | 179,380 | 657 | 148.2 | 154.2 | 152.7 |
| | 3 | 179,380 | 657 | 145.3 | 137.6 | 139.3 |
| | 4 | 179,380 | 657 | 140.9 | 135.0 | 136.2 |
| | 5 | 179,380 | 657 | 144.3 | 137.5 | 138.8 |
| | 6 | 179,380 | 657 | 157.5 | 161.8 | 161.0 |

1. 국내탄 5급(4,400~4,599kcal/kg) 최고가격 기준

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

3. 2004년 1월 이후의 수용가수 및 판매량의

전등과 동력은 저압과 고압으로 변경.

자료: 한국전력공사, 대한석탄협회, 산업통상자원부

1. Based on the 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 briquet 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 액화천연가스 수입가격 및 도시가스 가격

LNG Import Prices and City Gas Prices

| | | 액화천연가스 ¹ LNG ¹ | | 도시가스 ² City Gas ² | | | |
|-------------------|----|---|------------------|--|---|-------------------|---|
| | | 도입금액 Import value | 단가 Unit price | 가정용 ³ Residential ³ | 업무용 ⁴ Commercial ⁴ | 산업용 Industrial | 영업용 ⁵ Business ⁵ |
| | | Mil USD | USD/Ton | KRW/Nm ³ , KRW/MJ | | | |
| 1990 | | 459.5 | 205.4 | 284.9 | 214.5 | 206.8 | 284.9 |
| 1995 | | 1,275.3 | 188.8 | 300.6 | 237.3 | 196.7 | 309.1 |
| 2000 | | 3,882.3 | 254.8 | 464.0 | 416.6 | 294.5 | 408.3 |
| 2001 | | 3,989.8 | 260.5 | 498.0 | 495.5 | 369.4 | 479.0 |
| 2002 | | 4,120.2 | 229.0 | 422.5 | 439.5 | 323.0 | 421.6 |
| 2003 | | 5,081.9 | 263.2 | 451.9 | 468.9 | 357.1 | 449.8 |
| 2004 | | 6,551.6 | 300.8 | 474.0 | 491.0 | 379.9 | 472.2 |
| 2005 | | 8,646.5 | 387.4 | 485.6 | 502.7 | 396.2 | 488.7 |
| 2006 | | 11,924.9 | 472.2 | 568.8 | 585.8 | 485.6 | 576.8 |
| 2007 | | 12,653.3 | 494.9 | 599.0 | 616.0 | 509.4 | 608.5 |
| 2008 | | 19,806.1 | 726.6 | 643.3 | 662.1 | 549.7 | 650.1 |
| 2009 | | 13,875.0 | 537.3 | 690.3 | 744.5 | 629.1 | 731.1 |
| 2010 | | 17,006.0 | 521.6 | 716.5 | 785.1 | 661.8 | 768.2 |
| 2011 | | 23,859.3 | 650.4 | 783.7 | 837.6 | 724.2 | 827.8 |
| 2012 | | 27,364.5 | 756.3 | 847.8 | 891.4 | 792.6 | 889.5 |
| 2013 | | 30,645.1 | 768.5 | 20.8 | 21.7 | 19.5 | 21.7 |
| 2014 | | 31,402.5 | 846.3 | 22.2 | 22.9 | 20.7 | 23.0 |
| 2015 | | 18,779.1 | 562.8 | 18.6 | 19.0 | 16.4 | 18.6 |
| 2016 | | 12,170.0 | 363.8 | 15.1 | 15.6 | 12.6 | 14.8 |
| 2017 | | 15,615.7 | 416.0 | 15.7 | 16.1 | 13.3 | 15.4 |
| 2018 | | 23,188.9 | 526.8 | 15.1 | 15.4 | 13.0 | 14.8 |
| 2019 | | 20,566.6 | 504.7 | 15.5 | 16.0 | 13.7 | 15.4 |
| 2020 | | 15,716.3 | 393.1 | 15.1 | 15.1 | 12.6 | 14.9 |
| 2021 | | 25,452.8 | 554.1 | 14.2 | 17.2 | 14.3 | 13.7 |
| 2022 ^p | | 50,022.2 | 1,078.2 | 16.6 | 28.7 | 25.9 | 16.3 |
| 2021 | 6 | 1,443.0 | 460.9 | 14.2 | 15.6 | 12.3 | 13.8 |
| | 7 | 2,002.0 | 498.1 | 14.2 | 16.2 | 12.9 | 13.8 |
| | 8 | 1,860.1 | 535.0 | 14.2 | 17.2 | 14.0 | 13.8 |
| | 9 | 2,114.3 | 571.1 | 14.2 | 18.1 | 14.8 | 13.8 |
| | 10 | 2,606.3 | 668.8 | 14.2 | 18.8 | 15.6 | 13.8 |
| | 11 | 3,097.6 | 805.4 | 14.2 | 21.4 | 18.2 | 13.8 |
| | 12 | 3,441.3 | 892.6 | 14.2 | 23.6 | 21.3 | 14.1 |
| 2022 ^p | 1 | 5,689.5 | 1,138.1 | 14.2 | 25.4 | 23.1 | 14.1 |
| | 2 | 2,932.1 | 843.9 | 14.2 | 24.9 | 22.6 | 14.1 |
| | 3 | 5,034.5 | 1,016.6 | 14.2 | 24.9 | 22.6 | 14.1 |
| | 4 | 2,392.3 | 695.0 | 14.7 | 26.5 | 23.3 | 14.3 |
| | 5 | 2,447.9 | 723.3 | 15.9 | 22.7 | 19.7 | 15.5 |
| | 6 | 1,916.9 | 762.1 | 15.9 | 22.7 | 19.7 | 15.5 |
| | 7 | 3,356.6 | 1,032.6 | 17.0 | 24.9 | 21.8 | 16.6 |
| | 8 | 4,541.2 | 1,198.8 | 17.0 | 30.9 | 27.9 | 16.6 |
| | 9 | 6,200.5 | 1,470.4 | 17.0 | 34.0 | 30.9 | 16.6 |
| | 10 | 5,112.3 | 1,247.3 | 19.7 | 35.6 | 32.6 | 19.3 |
| | 11 | 4,742.5 | 1,259.0 | 19.7 | 35.3 | 32.4 | 19.3 |
| | 12 | 5,655.7 | 1,255.2 | 19.7 | 36.2 | 34.1 | 19.5 |
| 2023 ^p | 1 | 6,206.3 | 1,295.8 | 19.7 | 34.3 | 32.1 | 19.5 |
| | 2 | 5,611.4 | 1,102.9 | 19.7 | 33.8 | 31.7 | 19.5 |
| | 3 | 3,705.1 | 918.5 | 19.7 | 32.7 | 30.6 | 19.5 |
| | 4 | 2,201.7 | 698.9 | 19.7 | 26.6 | 23.6 | 19.3 |
| | 5 | 2,108.7 | 679.1 | 20.7 | 23.5 | 20.6 | 20.4 |
| | 6 | 2,015.1 | 687.7 | 20.7 | 23.3 | 19.4 | 20.4 |

1. CIF 기준

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

3. 취사용 가격

4. 업무난방용 가격

5. 직접적인 영리 목적의 영업활동(목욕탕 등 제외)

자료: 한국무역협회, 한국도시가스협회

1. Based on CIF.

2. Average price in Seoul (excluding VAT), Based on MJ unit price since 2013.

3. Price of city gas used for cooking.

4. Price of city gas used for business heating.

5. Business activities for profit excluding public bathhouse.

Source: Korea International Trade Association, Korea City Gas Association



8. 주요 경제·사회 지표

Major Economic and Social Indicators

8.1 주요 경제지표

Major Economic Indicators

8.2 산업생산 지수

Industrial Production Index

8.3 가동률 지수

Operation Ratio Index

8.4 투자활동지표

Investment Activity Indices

8.5 국제수지

Balance of Payments

8.6 자동차 등록대수

Motor Vehicle Registration

8.7 냉난방도일

Heating and Cooling Degree Days

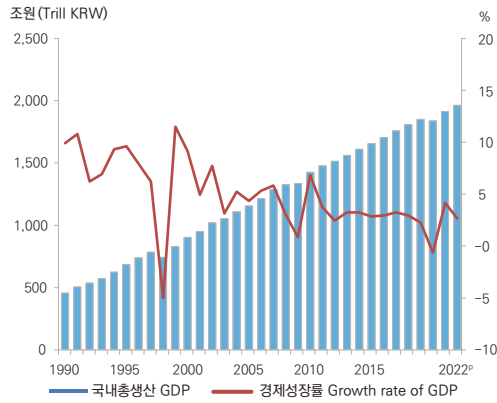
8.8 가구당 소득 및 소비지출

Average Income and Expenditure per Household

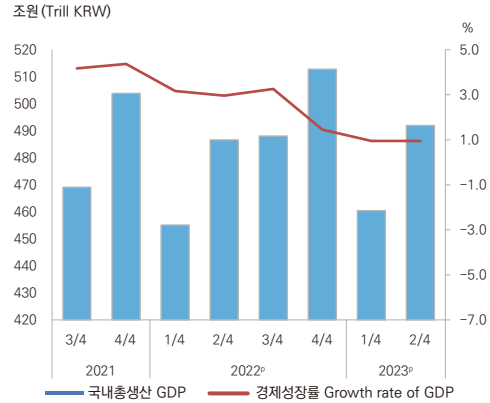


● 국내총생산, 경제성장률 GDP and Growth Rate of GDP

〈1990~2022^p〉

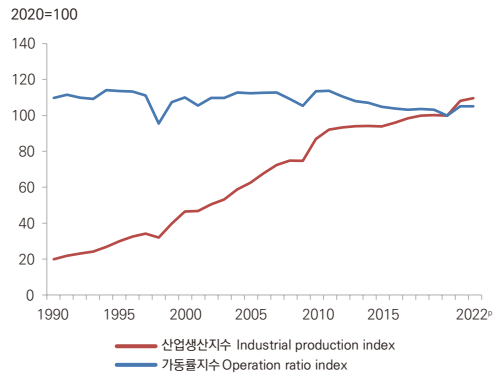


〈분기 Quarterly〉

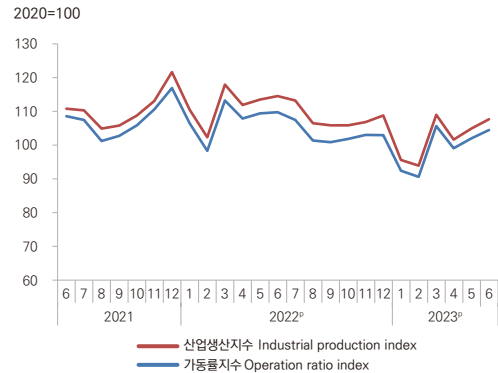


● 산업생산지수, 가동률지수 Industrial Production Index

〈1990~2022^p〉

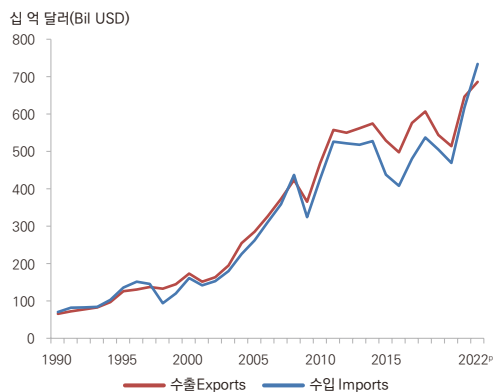


〈월별 Monthly〉

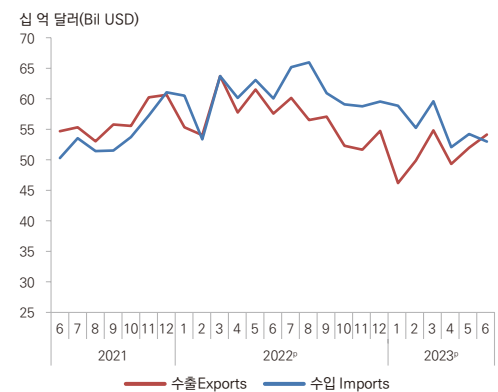


● 수출입 Imports and Exports

〈1990~2022^p〉



〈월별 Monthly〉



8.1 주요 경제지표

Major Economic Indicators

| | | 국내총생산 ¹ (시장가격) | 경제성장률 | 민간소비 ¹ | 설비투자 ¹ | 건설투자 ¹ | 물가지수 Price Index | |
|-------------------|----|--------------------------------------|-----------------------|-------------------------------------|---------------------------------------|---|---------------------|-----------------|
| | | GDP at market prices ¹ | Growth rate of GDP | Private consumption ¹ | Facilities investment ¹ | Construction investment ¹ | 생산자 Producer | 소비자 Consumer |
| | | Bil KRW | % | Bil KRW | | | 2015=100 | 2020=100 |
| 1990 | | 454,146 | 9.9 | 279,924 | 42,313 | 130,673 | 55.8 | 38.5 |
| 1995 | | 683,940 | 9.6 | 422,297 | 76,132 | 193,490 | 65.2 | 52.0 |
| 2000 | | 903,551 | 9.1 | 511,607 | 86,585 | 178,617 | 78.4 | 63.2 |
| 2001 | | 947,395 | 4.9 | 541,244 | 80,623 | 190,194 | 78.0 | 65.7 |
| 2002 | | 1,020,582 | 7.7 | 589,833 | 87,293 | 202,418 | 77.8 | 67.5 |
| 2003 | | 1,052,703 | 3.1 | 587,600 | 87,656 | 220,225 | 79.5 | 69.9 |
| 2004 | | 1,107,416 | 5.2 | 589,947 | 89,928 | 223,708 | 84.3 | 72.4 |
| 2005 | | 1,155,130 | 4.3 | 617,417 | 93,062 | 223,611 | 86.1 | 74.4 |
| 2006 | | 1,215,940 | 5.3 | 647,804 | 101,442 | 225,219 | 86.9 | 76.1 |
| 2007 | | 1,286,459 | 5.8 | 682,032 | 111,522 | 228,604 | 88.1 | 78.0 |
| 2008 | | 1,325,219 | 3.0 | 693,103 | 111,276 | 222,419 | 95.6 | 81.7 |
| 2009 | | 1,335,724 | 0.8 | 694,615 | 102,216 | 230,329 | 95.4 | 83.9 |
| 2010 | | 1,426,618 | 6.8 | 725,119 | 125,912 | 221,918 | 99.1 | 86.4 |
| 2011 | | 1,479,198 | 3.7 | 746,491 | 132,898 | 215,682 | 105.7 | 89.9 |
| 2012 | | 1,514,737 | 2.4 | 758,839 | 134,263 | 208,120 | 106.4 | 91.8 |
| 2013 | | 1,562,674 | 3.2 | 772,014 | 128,966 | 221,202 | 104.7 | 93.0 |
| 2014 | | 1,612,718 | 3.2 | 787,410 | 135,481 | 224,276 | 104.2 | 94.2 |
| 2015 | | 1,658,020 | 2.8 | 804,812 | 142,434 | 239,801 | 100.0 | 94.9 |
| 2016 | | 1,706,880 | 2.9 | 825,676 | 146,179 | 263,725 | 98.2 | 95.8 |
| 2017 | | 1,760,812 | 3.2 | 848,589 | 170,276 | 282,925 | 101.6 | 97.6 |
| 2018 | | 1,812,005 | 2.9 | 875,578 | 166,289 | 269,787 | 103.5 | 99.1 |
| 2019 | | 1,852,666 | 2.2 | 894,075 | 155,328 | 265,228 | 103.5 | 99.5 |
| 2020 | | 1,839,523 | -0.7 | 850,957 | 166,573 | 269,308 | 103.0 | 100.0 |
| 2021 | | 1,918,710 | 4.1 | 881,396 | 182,114 | 265,017 | 109.6 | 102.5 |
| 2022 ^p | | 1,968,840 | 2.6 | 917,797 | 180,454 | 257,641 | 118.8 | 107.7 |
| 2021 | 6 | 478,913 | 6.4 | 216,853 | 48,331 | 73,065 | 109.2 | 102.1 |
| | 7 | - | - | - | - | - | 110.3 | 102.3 |
| | 8 | - | - | - | - | - | 110.9 | 102.8 |
| | 9 | 479,033 | 4.1 | 221,230 | 42,462 | 65,768 | 111.3 | 103.2 |
| | 10 | - | - | - | - | - | 112.4 | 103.4 |
| | 11 | - | - | - | - | - | 113.2 | 103.9 |
| | 12 | 506,694 | 4.3 | 228,223 | 46,018 | 71,789 | 113.2 | 104.0 |
| 2022 ^p | 1 | - | - | - | - | - | 114.4 | 104.7 |
| | 2 | - | - | - | - | - | 115.0 | 105.3 |
| | 3 | 467,951 | 3.1 | 223,595 | 42,005 | 52,302 | 116.7 | 106.1 |
| | 4 | - | - | - | - | - | 118.6 | 106.9 |
| | 5 | - | - | - | - | - | 119.4 | 107.6 |
| | 6 | 492,963 | 2.9 | 225,716 | 45,097 | 70,341 | 120.1 | 108.2 |
| | 7 | - | - | - | - | - | 120.4 | 108.7 |
| | 8 | - | - | - | - | - | 120.0 | 108.6 |
| | 9 | 494,155 | 3.2 | 232,808 | 44,348 | 64,471 | 120.1 | 108.9 |
| | 10 | - | - | - | - | - | 120.7 | 109.2 |
| | 11 | - | - | - | - | - | 120.3 | 109.1 |
| | 12 | 513,770 | 1.4 | 235,678 | 49,004 | 70,528 | 119.8 | 109.3 |
| 2023 ^p | 1 | - | - | - | - | - | 120.3 | 110.1 |
| | 2 | - | - | - | - | - | 120.5 | 110.4 |
| | 3 | 472,156 | 0.9 | 233,780 | 44,492 | 53,321 | 120.6 | 110.6 |
| | 4 | - | - | - | - | - | 120.5 | 110.8 |
| | 5 | - | - | - | - | - | 120.0 | 111.1 |
| | 6 | 497,255 | 0.9 | 229,264 | 47,208 | 71,563 | 119.8 | 111.1 |

1. 2015년 연쇄가격, 원계열
자료: 한국은행

1. GDP chained at the 2015 prices, original series.
Source: Bank of Korea

8.2 산업생산 지수

Industrial Production Index

| | | 총지수 All items | 광업 및 제조업 Mining and manufacturing | 1차 철강 Basic iron and steel | 시멘트 Cement, lime and plaster and its products | 기초화학물 Basic chemicals | 수송장비 Motor vehicles, trailers and semitrailer | 전기장비 Electrical equipment | 서비스업 Services |
|-------------------|----|------------------|---|----------------------------------|--|-----------------------------|---|---------------------------------|------------------|
| | | 2020=100 | | | | | | | |
| 1990 | | 19.8 | 19.9 | 36.4 | 70.7 | 14.4 | 20.0 | 33.8 | 0.0 |
| 1995 | | 29.9 | 29.8 | 56.5 | 107.5 | 32.5 | 42.9 | 52.7 | 0.0 |
| 2000 | | 46.4 | 46.3 | 69.4 | 95.0 | 55.4 | 55.4 | 63.0 | 56.1 |
| 2001 | | 46.7 | 46.3 | 70.5 | 99.0 | 54.9 | 54.8 | 62.7 | 59.5 |
| 2002 | | 50.4 | 50.1 | 73.2 | 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 | | 58.8 | 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 | | 74.8 | 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 | | 108.2 | 108.4 | 105.2 | 103.2 | 105.9 | 106.3 | 107.7 | 105.0 |
| 2022 ^p | | 109.7 | 109.9 | 96.3 | 100.2 | 99.1 | 116.0 | 110.8 | 112.0 |
| 2021 | 6 | 110.7 | 111.7 | 104.8 | 111.4 | 102.3 | 115.0 | 112.3 | 107.8 |
| | 7 | 110.2 | 110.4 | 110.1 | 106.3 | 110.5 | 109.3 | 112.0 | 104.1 |
| | 8 | 104.8 | 104.9 | 107.2 | 95.2 | 112.7 | 88.6 | 105.0 | 102.1 |
| | 9 | 105.7 | 106.5 | 103.7 | 94.5 | 108.3 | 89.7 | 103.1 | 104.9 |
| | 10 | 108.7 | 109.5 | 104.1 | 108.7 | 103.9 | 101.3 | 107.7 | 106.0 |
| | 11 | 113.0 | 113.6 | 107.0 | 113.8 | 97.9 | 112.4 | 113.7 | 109.1 |
| | 12 | 121.5 | 121.3 | 106.3 | 112.4 | 111.1 | 118.4 | 122.4 | 119.0 |
| 2022 ^p | 1 | 110.4 | 109.5 | 110.0 | 86.1 | 111.4 | 101.8 | 103.8 | 104.8 |
| | 2 | 102.3 | 101.6 | 97.0 | 75.6 | 98.4 | 98.0 | 100.1 | 99.7 |
| | 3 | 117.8 | 118.0 | 107.7 | 104.5 | 109.1 | 112.2 | 113.3 | 110.8 |
| | 4 | 111.8 | 112.5 | 102.8 | 110.7 | 102.0 | 114.1 | 109.4 | 110.7 |
| | 5 | 113.4 | 114.3 | 106.6 | 112.8 | 101.0 | 114.4 | 112.7 | 112.8 |
| | 6 | 114.4 | 115.3 | 105.3 | 99.6 | 98.0 | 119.1 | 114.7 | 114.2 |
| | 7 | 113.1 | 113.4 | 108.0 | 106.7 | 102.4 | 119.2 | 115.6 | 112.1 |
| | 8 | 106.4 | 106.5 | 99.1 | 98.3 | 99.4 | 107.5 | 107.1 | 112.1 |
| | 9 | 105.8 | 106.5 | 75.9 | 96.7 | 91.7 | 115.1 | 112.7 | 113.2 |
| | 10 | 105.8 | 106.3 | 78.0 | 112.1 | 92.0 | 121.9 | 110.8 | 113.5 |
| | 11 | 106.8 | 107.1 | 79.3 | 105.7 | 87.2 | 136.4 | 111.5 | 113.4 |
| | 12 | 108.7 | 107.7 | 86.1 | 93.5 | 96.8 | 131.9 | 117.6 | 126.8 |
| 2023 ^p | 1 | 95.6 | 94.1 | 91.7 | 78.1 | 98.8 | 112.7 | 100.7 | 109.7 |
| | 2 | 93.9 | 93.2 | 94.8 | 86.1 | 93.0 | 124.2 | 103.4 | 108.2 |
| | 3 | 108.9 | 109.0 | 107.9 | 106.2 | 99.6 | 142.6 | 114.3 | 117.5 |
| | 4 | 101.6 | 102.0 | 101.4 | 100.6 | 94.3 | 133.4 | 104.9 | 113.9 |
| | 5 | 104.8 | 105.3 | 103.4 | 103.3 | 94.2 | 136.0 | 106.8 | 114.1 |
| | 6 | 107.6 | 108.2 | 101.9 | 101.6 | 91.4 | 132.0 | 112.3 | 117.6 |

자료: 통계청

Source: Statistics Korea

8.3 가동률 지수

Operation Ratio Index

| | | 총지수 All items | 1차 철강 Basic iron and steel | 시멘트 Cement, lime and plaster and its products | 기초화학물 Basic chemicals | 수송장비 Motor vehicles, trailers and semitrailer | 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 |
| 2001 | | 105.6 | 109.4 | 129.6 | 115.4 | 90.0 | 101.8 |
| 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 | | 105.2 | 105.5 | 107.2 | 104.7 | 101.8 | 107.4 |
| 2022 ^p | | 105.2 | 96.3 | 111.5 | 96.8 | 107.5 | 108.3 |
| 2021 | 6 | 108.5 | 105.5 | 115.9 | 103.0 | 110.3 | 110.5 |
| | 7 | 107.4 | 110.8 | 111.2 | 110.5 | 104.0 | 111.3 |
| | 8 | 101.2 | 107.4 | 99.7 | 111.2 | 84.7 | 103.8 |
| | 9 | 102.7 | 104.0 | 99.1 | 105.9 | 85.3 | 102.7 |
| | 10 | 105.8 | 104.5 | 113.7 | 101.3 | 95.9 | 108.8 |
| | 11 | 110.5 | 107.4 | 119.2 | 94.7 | 106.6 | 114.1 |
| 2022 ^p | 12 | 116.8 | 106.9 | 117.8 | 108.2 | 111.7 | 120.5 |
| | 1 | 106.4 | 110.5 | 90.9 | 108.5 | 95.1 | 101.7 |
| | 2 | 98.3 | 97.2 | 81.2 | 96.3 | 92.7 | 95.7 |
| | 3 | 113.1 | 108.1 | 114.5 | 106.7 | 105.9 | 108.0 |
| | 4 | 107.8 | 103.1 | 121.6 | 99.4 | 108.5 | 105.0 |
| | 5 | 109.3 | 106.9 | 124.5 | 98.4 | 107.9 | 107.5 |
| 2023 ^p | 6 | 109.7 | 105.1 | 110.3 | 95.8 | 112.3 | 109.6 |
| | 7 | 107.4 | 107.8 | 118.1 | 100.7 | 110.7 | 109.7 |
| | 8 | 101.3 | 99.0 | 109.6 | 97.5 | 101.2 | 103.5 |
| | 9 | 100.8 | 75.7 | 108.6 | 89.6 | 105.9 | 110.6 |
| | 10 | 101.8 | 77.5 | 126.3 | 89.9 | 110.3 | 111.1 |
| | 11 | 103.0 | 79.1 | 122.6 | 84.7 | 121.4 | 114.7 |
| 2023 ^p | 12 | 102.9 | 86.1 | 109.9 | 94.4 | 117.9 | 122.4 |
| | 1 | 92.4 | 91.5 | 91.9 | 97.7 | 100.6 | 103.2 |
| | 2 | 90.6 | 94.5 | 102.4 | 90.7 | 108.8 | 106.4 |
| | 3 | 105.6 | 107.7 | 126.8 | 97.6 | 122.3 | 116.5 |
| | 4 | 99.0 | 101.6 | 120.5 | 92.3 | 114.5 | 107.5 |
| | 5 | 101.9 | 103.8 | 123.6 | 92.3 | 116.3 | 109.0 |
| 2023 ^p | 6 | 104.4 | 102.3 | 122.2 | 90.0 | 113.4 | 112.7 |

자료: 통계청

Source: Statistics Korea

8.4 투자활동지표

Investment Activity Indices

| | | 설비부문 Facility | | | 건설부문 Construction | | |
|-------------------|----|-----------------------------|--|---|--|---|--|
| | | 설비투자 Facility investment | 설비용기계 내수출하 ¹ Domestic shipment index of machinery and equipment ¹ | 국내수요기계 수주액 ¹ Value of domestic machinery orders received ¹ | 건설기성액 ² Value of construction completed ² | 국내 건설수주액 ² Value of domestic construction order received ² | 건축허가면적 Permitted floor area for building construction |
| | | 2015=100 | 2020=100 | | Bil KRW | | 1,000 m ² |
| 1990 | | - | 38.1 | - | - | 20,964 | - |
| 1995 | | - | 64.5 | - | - | 49,025 | - |
| 2000 | | 62.3 | 82.3 | 14,995 | 45,990 | 41,778 | 81,055 |
| 2001 | | 57.2 | 77.9 | 13,755 | 50,576 | 50,995 | 97,717 |
| 2002 | | 62.1 | 86.0 | 16,101 | 56,216 | 67,834 | 138,734 |
| 2003 | | 60.7 | 84.4 | 14,961 | 65,553 | 80,897 | 142,108 |
| 2004 | | 62.9 | 82.6 | 16,132 | 72,838 | 77,774 | 117,461 |
| 2005 | | 66.6 | 82.9 | 15,794 | 75,831 | 83,489 | 111,506 |
| 2006 | | 75.1 | 91.9 | 18,868 | 77,839 | 91,001 | 133,270 |
| 2007 | | 80.2 | 94.9 | 22,690 | 82,939 | 112,502 | 150,957 |
| 2008 | | 78.4 | 96.5 | 20,489 | 87,032 | 103,907 | 120,658 |
| 2009 | | 70.9 | 91.4 | 18,803 | 89,819 | 109,088 | 105,137 |
| 2010 | | 89.2 | 109.8 | 19,679 | 92,276 | 89,814 | 125,447 |
| 2011 | | 92.3 | 115.1 | 21,223 | 91,717 | 95,332 | 137,868 |
| 2012 | | 89.7 | 109.8 | 17,655 | 88,713 | 89,395 | 137,142 |
| 2013 | | 88.9 | 101.4 | 19,584 | 98,089 | 77,885 | 127,066 |
| 2014 | | 93.6 | 101.1 | 23,114 | 98,491 | 90,606 | 141,347 |
| 2015 | | 100.0 | 101.3 | 21,680 | 102,614 | 134,493 | 189,840 |
| 2016 | | 101.7 | 102.7 | 22,288 | 119,971 | 145,386 | 178,955 |
| 2017 | | 116.4 | 113.0 | 26,234 | 139,039 | 142,966 | 171,875 |
| 2018 | | 112.1 | 107.6 | 27,289 | 138,417 | 143,292 | 160,964 |
| 2019 | | 105.8 | 97.1 | 25,405 | 139,311 | 154,243 | 144,293 |
| 2020 | | 112.0 | 100.0 | 26,644 | 138,513 | 179,866 | 147,310 |
| 2021 | | 122.7 | 107.5 | 35,922 | 141,285 | 196,448 | 173,206 |
| 2022 ^p | | 126.7 | 110.4 | 37,529 | 158,695 | 216,374 | 181,474 |
| 2021 | 6 | 135.6 | 125.0 | 3,172 | 13,252 | 18,153 | 16,014 |
| | 7 | 128.6 | 107.7 | 3,057 | 10,993 | 14,542 | 14,592 |
| | 8 | 113.5 | 99.1 | 2,548 | 11,030 | 15,689 | 13,946 |
| | 9 | 109.2 | 102.5 | 2,677 | 11,445 | 13,865 | 14,652 |
| | 10 | 108.1 | 95.3 | 2,740 | 11,706 | 15,510 | 14,690 |
| | 11 | 122.2 | 106.4 | 2,476 | 12,445 | 17,186 | 14,483 |
| | 12 | 141.4 | 131.0 | 3,977 | 16,738 | 26,813 | 19,169 |
| 2022 ^p | 1 | 117.8 | 98.2 | 2,951 | 11,154 | 16,235 | 13,736 |
| | 2 | 106.4 | 88.2 | 2,777 | 10,086 | 11,761 | 11,862 |
| | 3 | 125.3 | 111.4 | 4,000 | 12,908 | 19,306 | 15,058 |
| | 4 | 119.3 | 103.1 | 3,383 | 12,542 | 18,140 | 17,899 |
| | 5 | 131.1 | 109.7 | 3,176 | 13,329 | 19,050 | 19,522 |
| | 6 | 135.1 | 119.7 | 3,337 | 14,809 | 25,191 | 14,961 |
| | 7 | 126.3 | 105.2 | 3,011 | 12,195 | 18,431 | 15,614 |
| | 8 | 129.2 | 108.2 | 3,612 | 12,553 | 17,468 | 15,990 |
| | 9 | 122.3 | 110.1 | 3,070 | 12,791 | 21,652 | 13,929 |
| | 10 | 126.1 | 109.5 | 2,602 | 13,656 | 9,942 | 14,445 |
| | 11 | 135.3 | 119.8 | 2,888 | 14,825 | 15,741 | 12,967 |
| | 12 | 145.9 | 141.7 | 2,723 | 17,846 | 23,456 | 15,489 |
| 2023 ^p | 1 | 109.1 | 86.6 | 3,114 | 12,203 | 19,329 | 12,724 |
| | 2 | 110.8 | 94.8 | 2,510 | 12,713 | 11,355 | 12,532 |
| | 3 | 127.7 | 108.6 | 3,746 | 15,155 | 11,390 | 11,925 |
| | 4 | 124.3 | 98.3 | 3,628 | 14,568 | 9,626 | 10,368 |
| | 5 | 124.7 | 103.4 | 2,894 | 14,425 | 15,460 | 12,695 |
| | 6 | 131.8 | 111.1 | 3,533 | 16,465 | 17,656 | 11,786 |

1. 선박 제외

2. 경상금액

자료: 통계청

1. Excludes vessels.

2. Current amount.

Source: Statistics Korea

8.5 국제수지

Balance of Payments

| | | 수출 | 수입 | 경상수지 | 상품수지 | 서비스수지 | 본원소득수지 | 이전소득수지 | 자본수지 |
|-------------------|----|-------------|---------|-----------------|---------|----------|----------------|------------------|-----------------|
| | | Exports | Imports | Current account | Goods | Services | Primary income | Secondary income | Capital account |
| | | Million 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 |
| 2001 | | 150,439 | 141,098 | 2,165 | 9,407 | -2,266 | -3,714 | -1,261 | -64 |
| 2002 | | 162,471 | 152,126 | 4,066 | 14,414 | -5,826 | -2,407 | -2,114 | -9 |
| 2003 | | 193,817 | 178,827 | 11,308 | 22,138 | -4,845 | -2,820 | -3,165 | -48 |
| 2004 | | 253,845 | 224,463 | 29,290 | 39,173 | -5,050 | -1,794 | -3,038 | 10 |
| 2005 | | 284,419 | 261,238 | 12,209 | 32,493 | -8,984 | -8,041 | -3,258 | -1 |
| 2006 | | 325,465 | 309,383 | 2,095 | 24,515 | -13,040 | -4,998 | -4,382 | -69 |
| 2007 | | 371,489 | 356,846 | 10,473 | 32,436 | -13,040 | -4,537 | -4,387 | 6 |
| 2008 | | 422,007 | 435,275 | 1,753 | 11,746 | -6,311 | -2,416 | -1,267 | 26 |
| 2009 | | 363,534 | 323,085 | 33,088 | 48,056 | -9,338 | -3,436 | -2,195 | -70 |
| 2010 | | 466,384 | 425,212 | 27,951 | 47,932 | -13,973 | -693 | -5,317 | -63 |
| 2011 | | 555,214 | 524,413 | 16,638 | 28,014 | -12,057 | 5,396 | -4,716 | -112 |
| 2012 | | 547,870 | 519,584 | 48,791 | 48,589 | -5,058 | 10,733 | -5,474 | -42 |
| 2013 | | 559,632 | 515,586 | 77,259 | 80,259 | -6,329 | 7,518 | -4,189 | -27 |
| 2014 | | 572,665 | 525,515 | 83,030 | 86,145 | -3,290 | 5,159 | -4,985 | -9 |
| 2015 | | 526,757 | 436,499 | 105,119 | 120,275 | -14,626 | 4,455 | -4,985 | -60 |
| 2016 | | 495,426 | 406,193 | 97,924 | 116,462 | -17,338 | 4,567 | -5,767 | -46 |
| 2017 | | 573,694 | 478,478 | 75,231 | 113,593 | -36,734 | 5,337 | -6,965 | -27 |
| 2018 | | 604,860 | 535,202 | 77,467 | 110,087 | -29,369 | 4,902 | -8,153 | 317 |
| 2019 | | 542,233 | 503,343 | 59,676 | 79,812 | -26,845 | 12,856 | -6,147 | -169 |
| 2020 | | 512,498 | 467,633 | 75,902 | 80,605 | -14,670 | 13,487 | -3,519 | -386 |
| 2021 | | 644,400 | 615,093 | 85,228 | 75,731 | -5,287 | 19,445 | -4,661 | -155 |
| 2022 ^p | | 683,585 | 731,370 | 29,831 | 15,061 | -5,548 | 22,884 | -2,567 | 1 |
| 2021 | 6 | 54,779 | 50,429 | 9,972 | 7,552 | -1,037 | 3,779 | -323 | 5 |
| | 7 | 55,462 | 53,676 | 7,387 | 5,783 | -529 | 2,569 | -436 | -14 |
| | 8 | 53,165 | 51,581 | 6,701 | 6,194 | 281 | 330 | -105 | -18 |
| | 9 | 55,914 | 51,636 | 9,510 | 9,543 | -514 | 638 | -157 | -10 |
| | 10 | 55,660 | 53,848 | 7,904 | 6,042 | 508 | 1,390 | -36 | -5 |
| | 11 | 60,331 | 57,358 | 6,592 | 5,926 | -306 | 1,167 | -196 | -41 |
| | 12 | 60,734 | 61,160 | 6,365 | 4,434 | -760 | 3,486 | -795 | -15 |
| 2022 ^p | 1 | 55,455 | 60,607 | 2,244 | 1,543 | -834 | 1,866 | -332 | -5 |
| | 2 | 54,156 | 53,482 | 5,867 | 4,353 | 91 | 1,558 | -136 | -4 |
| | 3 | 63,787 | 63,811 | 6,771 | 5,569 | 174 | 1,044 | -16 | 43 |
| | 4 | 57,843 | 60,213 | 130 | 3,129 | 378 | -3,020 | -357 | -9 |
| | 5 | 61,591 | 63,168 | 3,796 | 2,951 | -149 | 1,315 | -322 | -1 |
| | 6 | 57,680 | 60,150 | 6,064 | 3,845 | -592 | 3,079 | -268 | 2 |
| | 7 | 60,242 | 65,260 | 1,699 | -520 | -67 | 2,625 | -339 | -4 |
| | 8 | 56,606 | 66,028 | -2,912 | -4,141 | -1,287 | 2,593 | -77 | -2 |
| | 9 | 57,176 | 61,013 | 2,089 | 755 | -982 | 2,698 | -382 | 78 |
| | 10 | 52,428 | 59,167 | 1,630 | -950 | -152 | 2,680 | 52 | 22 |
| | 11 | 51,772 | 58,848 | -223 | -999 | -736 | 1,662 | -150 | -136 |
| | 12 | 54,849 | 59,623 | 2,677 | -475 | -1,392 | 4,785 | -242 | 16 |
| 2023 ^p | 1 | 46,346 | 58,961 | -4,212 | -7,321 | -3,269 | 6,542 | -165 | 11 |
| | 2 | 50,010 | 55,350 | -518 | -1,296 | -2,030 | 3,117 | -310 | -1 |
| | 3 | 54,945 | 59,670 | 158 | -1,235 | -1,904 | 3,652 | -355 | -38 |
| | 4 | 49,469 | 52,216 | -793 | 581 | -1,205 | -92 | -76 | -53 |
| | 5 | 52,124 | 54,332 | 1,927 | 1,815 | -911 | 1,417 | -394 | 75 |
| | 6 | 54,238 | 53,092 | 5,874 | 3,985 | -2,609 | 4,851 | -353 | 47 |

자료: 한국은행

Source: Bank of Korea

8.6 자동차 등록대수

| | | 총대수 | 유종별 Fuel type | | | | | | | 수소 |
|-------------------|----|---------------|------------------|--------|--------|--------|---------------------|-------------|---------------------|----------|
| | | | 휘발유 | 경유 | 액화석유가스 | 압축천연가스 | 하이브리드 ¹ | 전기 | 기타 ² | |
| | | Total | Gasoline | Diesel | LPG | CNG | Hybrid ¹ | Electricity | Others ² | Hydrogen |
| | | Thousand unit | | | | | | | | Unit |
| 1999 | | 11,164 | - | - | - | - | - | - | - | - |
| 2000 | | 12,059 | 1,831 | 3,594 | 1,214 | - | - | 0 | 37 | - |
| 2001 | | 12,914 | 1,586 | 4,030 | 1,428 | - | - | 0 | 39 | - |
| 2002 | | 13,949 | 1,382 | 4,607 | 1,625 | - | - | 0 | 44 | - |
| 2003 | | 14,587 | 1,246 | 5,055 | 1,723 | 1 | - | 0 | 46 | - |
| 2004 | | 14,934 | 1,238 | 5,385 | 1,794 | 5 | - | 0 | 48 | - |
| 2005 | | 15,397 | 1,576 | 5,650 | 1,890 | 9 | - | 0 | 48 | - |
| 2006 | | 15,895 | 1,942 | 5,869 | 2,047 | 12 | - | 0 | 51 | - |
| 2007 | | 16,428 | 2,280 | 6,087 | 2,187 | 15 | - | 0 | 53 | - |
| 2008 | | 16,794 | 2,578 | 6,137 | 2,321 | 20 | 4 | - | 55 | - |
| 2009 | | 17,325 | 3,008 | 6,285 | 2,391 | 25 | 5 | - | 63 | - |
| 2010 | | 17,941 | 8,907 | 6,483 | 2,444 | 29 | 7 | 0 | 71 | - |
| 2011 | | 18,437 | 3,556 | 6,705 | 2,429 | 32 | 23 | 0 | 77 | - |
| 2012 | | 18,871 | 9,276 | 7,002 | 2,415 | 37 | 57 | 1 | 82 | - |
| 2013 | | 19,401 | 9,400 | 7,396 | 2,392 | 40 | 85 | 1 | 87 | - |
| 2014 | | 20,118 | 9,587 | 7,939 | 2,337 | 40 | 119 | 3 | 93 | - |
| 2015 | | 20,990 | 9,809 | 8,622 | 2,257 | 40 | 156 | 6 | 100 | 29 |
| 2016 | | 21,803 | 10,092 | 9,170 | 2,167 | 39 | 215 | 11 | 109 | 87 |
| 2017 | | 22,528 | 10,370 | 9,576 | 2,105 | 39 | 296 | 25 | 118 | 170 |
| 2018 | | 23,203 | 10,629 | 9,930 | 2,035 | 39 | 387 | 56 | 126 | 893 |
| 2019 | | 23,677 | 10,961 | 9,958 | 2,005 | 38 | 488 | 90 | 133 | 5,083 |
| 2020 | | 24,366 | 11,410 | 9,992 | 1,979 | 37 | 650 | 135 | 151 | 10,906 |
| 2021 | | 24,911 | 11,760 | 9,872 | 1,946 | 35 | 871 | 231 | 177 | 19,404 |
| 2022 ^p | | 25,503 | 12,069 | 9,758 | 1,905 | 33 | 1,119 | 390 | 200 | 29,623 |
| 2021 | 6 | 24,642 | 11,614 | 9,922 | 1,963 | 36 | 754 | 173 | 165 | 15,225 |
| | 7 | 24,704 | 11,648 | 9,920 | 1,960 | 36 | 774 | 181 | 167 | 15,765 |
| | 8 | 24,741 | 11,667 | 9,914 | 1,956 | 36 | 792 | 191 | 169 | 16,206 |
| | 9 | 24,778 | 11,684 | 9,905 | 1,954 | 36 | 810 | 202 | 171 | 17,076 |
| | 10 | 24,811 | 11,703 | 9,888 | 1,951 | 36 | 830 | 212 | 173 | 18,068 |
| | 11 | 24,861 | 11,732 | 9,878 | 1,949 | 35 | 850 | 223 | 175 | 19,004 |
| | 12 | 24,911 | 11,760 | 9,872 | 1,946 | 35 | 871 | 231 | 177 | 19,404 |
| 2022 ^p | 1 | 24,971 | 11,794 | 9,880 | 1,943 | 35 | 887 | 233 | 179 | 19,613 |
| | 2 | 25,015 | 11,813 | 9,881 | 1,939 | 35 | 905 | 241 | 180 | 20,295 |
| | 3 | 25,070 | 11,841 | 9,870 | 1,935 | 35 | 928 | 258 | 183 | 20,683 |
| | 4 | 25,121 | 11,873 | 9,851 | 1,931 | 34 | 952 | 273 | 185 | 21,892 |
| | 5 | 25,167 | 11,901 | 9,833 | 1,928 | 34 | 975 | 286 | 187 | 23,129 |
| | 6 | 25,216 | 11,927 | 9,820 | 1,925 | 34 | 997 | 299 | 189 | 24,119 |
| | 7 | 25,280 | 11,959 | 9,815 | 1,923 | 34 | 1,019 | 314 | 192 | 24,687 |
| | 8 | 25,315 | 11,975 | 9,802 | 1,920 | 34 | 1,037 | 328 | 194 | 25,570 |
| | 9 | 25,356 | 11,992 | 9,789 | 1,917 | 34 | 1,055 | 347 | 195 | 26,719 |
| | 10 | 25,403 | 12,013 | 9,780 | 1,914 | 34 | 1,072 | 366 | 197 | 27,870 |
| | 11 | 25,461 | 12,044 | 9,770 | 1,910 | 33 | 1,095 | 382 | 198 | 29,032 |
| | 12 | 25,503 | 12,069 | 9,758 | 1,905 | 33 | 1,119 | 390 | 200 | 29,623 |
| 2023 ^p | 1 | 25,556 | 12,104 | 9,758 | 1,900 | 33 | 1,141 | 390 | 201 | 29,689 |
| | 2 | 25,597 | 12,127 | 9,747 | 1,893 | 33 | 1,164 | 401 | 202 | 30,548 |
| | 3 | 25,647 | 12,157 | 9,719 | 1,886 | 32 | 1,196 | 422 | 203 | 31,476 |
| | 4 | 25,680 | 12,186 | 9,685 | 1,880 | 32 | 1,223 | 437 | 204 | 31,805 |
| | 5 | 25,709 | 12,206 | 9,654 | 1,874 | 32 | 1,255 | 451 | 205 | 32,168 |
| | 6 | 25,757 | 12,232 | 9,631 | 1,868 | 32 | 1,290 | 465 | 207 | 32,484 |

1. 하이브리드: 휘발유+전기

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

자료: 국토교통부 통계누리

Motor Vehicle Registration

| 용도별 Vehicle usage | | | 차종별 Vehicle type | | | | |
|----------------------|------------------|----------------|---------------------|-------------|--------------|---------------|---------------------|
| 영업용 Commercial | 관용 Government | 자가용 Private | 승용 Passenger | 승합 Buses | 화물 Trucks | 특수 Special | |
| Thousand unit | | | | | | | |
| 564 | 50 | 10,550 | 7,837 | 993 | 2,298 | 35 | 1999 |
| 620 | 50 | 11,389 | 8,084 | 1,427 | 2,511 | 37 | 2000 |
| 669 | 52 | 12,194 | 8,889 | 1,257 | 2,728 | 39 | 2001 |
| 723 | 53 | 13,173 | 9,737 | 1,275 | 2,894 | 42 | 2002 |
| 751 | 55 | 13,781 | 10,279 | 1,247 | 3,016 | 45 | 2003 |
| 767 | 57 | 14,111 | 10,621 | 1,204 | 3,062 | 47 | 2004 |
| 784 | 58 | 14,555 | 11,122 | 1,125 | 3,102 | 48 | 2005 |
| 817 | 59 | 15,019 | 11,607 | 1,106 | 3,133 | 49 | 2006 |
| 871 | 61 | 15,496 | 12,100 | 1,105 | 3,171 | 52 | 2007 |
| 911 | 62 | 15,821 | 12,484 | 1,097 | 3,160 | 53 | 2008 |
| 930 | 64 | 16,330 | 13,024 | 1,081 | 3,167 | 54 | 2009 |
| 974 | 66 | 16,901 | 13,632 | 1,050 | 3,204 | 56 | 2010 |
| 1,011 | 69 | 17,357 | 14,136 | 1,015 | 3,226 | 59 | 2011 |
| 1,052 | 71 | 17,747 | 14,577 | 987 | 3,244 | 63 | 2012 |
| 1,126 | 73 | 18,202 | 15,078 | 971 | 3,286 | 66 | 2013 |
| 1,213 | 75 | 18,830 | 15,747 | 947 | 3,354 | 70 | 2014 |
| 1,290 | 78 | 19,623 | 16,562 | 920 | 3,433 | 75 | 2015 |
| 1,378 | 80 | 20,345 | 17,338 | 893 | 3,492 | 80 | 2016 |
| 1,458 | 86 | 20,984 | 18,035 | 868 | 3,540 | 86 | 2017 |
| 1,573 | 90 | 21,540 | 18,677 | 844 | 3,591 | 91 | 2018 |
| 1,677 | 92 | 21,908 | 19,178 | 812 | 3,593 | 95 | 2019 |
| 1,750 | 94 | 22,522 | 19,861 | 784 | 3,615 | 106 | 2020 |
| 1,828 | 96 | 22,987 | 20,411 | 750 | 3,632 | 119 | 2021 |
| 1,903 | 98 | 23,502 | 20,953 | 724 | 3,696 | 130 | 2022 ^p |
| 1,790 | 94 | 22,758 | 20,152 | 764 | 3,614 | 112 | 6 2021 |
| 1,798 | 94 | 22,811 | 20,207 | 762 | 3,621 | 114 | 7 |
| 1,803 | 94 | 22,844 | 20,243 | 760 | 3,624 | 115 | 8 |
| 1,808 | 94 | 22,876 | 20,279 | 757 | 3,626 | 116 | 9 |
| 1,810 | 94 | 22,906 | 20,314 | 754 | 3,625 | 116 | 10 |
| 1,818 | 95 | 22,948 | 20,363 | 752 | 3,629 | 117 | 11 |
| 1,828 | 96 | 22,987 | 20,411 | 750 | 3,632 | 119 | 12 |
| 1,835 | 96 | 23,039 | 20,462 | 748 | 3,641 | 120 | 1 2022 ^p |
| 1,842 | 96 | 23,078 | 20,499 | 746 | 3,650 | 121 | 2 |
| 1,851 | 96 | 23,124 | 20,550 | 743 | 3,655 | 122 | 3 |
| 1,861 | 95 | 23,164 | 20,601 | 739 | 3,657 | 123 | 4 |
| 1,870 | 95 | 23,202 | 20,648 | 736 | 3,659 | 124 | 5 |
| 1,877 | 96 | 23,243 | 20,695 | 735 | 3,661 | 125 | 6 |
| 1,887 | 97 | 23,296 | 20,751 | 733 | 3,670 | 126 | 7 |
| 1,891 | 97 | 23,327 | 20,781 | 731 | 3,676 | 127 | 8 |
| 1,893 | 97 | 23,366 | 20,816 | 729 | 3,683 | 128 | 9 |
| 1,900 | 97 | 23,405 | 20,857 | 727 | 3,690 | 128 | 10 |
| 1,904 | 97 | 23,461 | 20,912 | 726 | 3,695 | 129 | 11 |
| 1,903 | 98 | 23,502 | 20,953 | 724 | 3,696 | 130 | 12 |
| 1,902 | 98 | 23,556 | 20,999 | 722 | 3,704 | 131 | 1 2023 ^p |
| 1,901 | 98 | 23,598 | 21,032 | 721 | 3,712 | 131 | 2 |
| 1,901 | 98 | 23,648 | 21,077 | 718 | 3,720 | 132 | 3 |
| 1,903 | 98 | 23,679 | 21,115 | 714 | 3,718 | 133 | 4 |
| 1,907 | 99 | 23,703 | 21,147 | 711 | 3,717 | 133 | 5 |
| 1,912 | 99 | 23,746 | 21,197 | 708 | 3,718 | 134 | 6 |

1. Hybrid: Gasoline + Electricity

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

Source: Ministry of Land, Infrastructure and Transport

8.7 냉난방도일

Heating and Cooling Degree Days

| | | 평균기온 Average temperature | 난방도일(18℃) Heating degree day | 냉방도일(24℃) Cooling degree day |
|-------------------|----|-----------------------------|---------------------------------|---------------------------------|
| | | ℃ | Degree day | |
| 1990 | | 12.8 | 2,557.6 | 125.9 |
| 1995 | | 12.2 | 2,738.9 | 109.1 |
| 2000 | | 12.7 | 2,758.5 | 186.0 |
| 2001 | | 12.8 | 2,721.0 | 159.7 |
| 2002 | | 12.9 | 2,545.8 | 92.5 |
| 2003 | | 12.8 | 2,509.4 | 47.3 |
| 2004 | | 13.3 | 2,467.4 | 141.2 |
| 2005 | | 12.1 | 2,889.5 | 121.2 |
| 2006 | | 13.0 | 2,524.1 | 116.3 |
| 2007 | | 13.3 | 2,483.2 | 125.2 |
| 2008 | | 12.9 | 2,589.0 | 110.2 |
| 2009 | | 12.9 | 2,585.4 | 100.2 |
| 2010 | | 12.1 | 2,953.4 | 167.2 |
| 2011 | | 12.0 | 2,882.6 | 113.1 |
| 2012 | | 12.2 | 2,967.7 | 187.9 |
| 2013 | | 12.5 | 2,908.0 | 194.8 |
| 2014 | | 13.4 | 2,501.6 | 125.4 |
| 2015 | | 13.6 | 2,459.1 | 151.8 |
| 2016 | | 13.6 | 2,589.7 | 238.1 |
| 2017 | | 13.0 | 2,687.6 | 188.1 |
| 2018 | | 12.9 | 2,763.4 | 286.2 |
| 2019 | | 13.5 | 2,525.5 | 178.4 |
| 2020 | | 13.2 | 2,499.1 | 129.3 |
| 2021 | | 13.7 | 2,456.8 | 205.9 |
| 2022 ^p | | 13.2 | 2,601.5 | 204.9 |
| 2021 | 6 | 22.8 | - | 5.7 |
| | 7 | 28.1 | - | 132.4 |
| | 8 | 25.9 | - | 65.8 |
| | 9 | 22.6 | - | 1.9 |
| | 10 | 15.6 | 107.9 | - |
| | 11 | 8.2 | 294.6 | - |
| | 12 | 0.6 | 539.9 | - |
| 2022 ^p | 1 | -2.2 | 626.1 | - |
| | 2 | -1.1 | 535.5 | - |
| | 3 | 7.7 | 313.6 | - |
| | 4 | 14.8 | 107.1 | - |
| | 5 | 19.1 | 19.4 | - |
| | 6 | 23.3 | 0.5 | 20.5 |
| | 7 | 27.3 | - | 104.0 |
| | 8 | 25.7 | - | 70.1 |
| | 9 | 22.4 | 0.5 | 10.3 |
| | 10 | 14.6 | 114.4 | - |
| | 11 | 10.0 | 239.1 | - |
| | 12 | -2.8 | 645.3 | - |
| 2023 ^p | 1 | -1.5 | 605.2 | - |
| | 2 | 2.3 | 439.6 | - |
| | 3 | 9.8 | 254.8 | - |
| | 4 | 13.8 | 128.9 | - |
| | 5 | 19.5 | 17.8 | - |
| | 6 | 23.4 | - | 19.8 |

주: 서울시 기준
자료: 기상청

Note: Based on heating and cooling degree days in Seoul.
Source: Korea Meteorological Administration

8.8 가구당 소득 및 소비지출

Average Income and Expenditure per Household

| | | 소득 | 소비지출 | | | | | | |
|-------------------|-----|-----------|-------------------------|--------------------|-------------|------------------------|-----------------------------|--------------------------|---------------------------|
| | | Income | Consumption expenditure | 전기료 Electricity | 연료비 Fuel | 공동주택난방비 APT Heating | 운송기구연료비 Fuel of vehicles | 공공교통 Public transport | 개인교통 Private transport |
| | | KRW | | | | | | | |
| 1990 | | - | 685,662 | 9,216 | 16,785 | 784 | - | 20,880 | 24,619 |
| 1995 | | - | 1,265,890 | 17,790 | 25,959 | 1,969 | - | 36,987 | 79,257 |
| 2000 | | - | 1,632,298 | 29,378 | 40,582 | 5,591 | - | 49,940 | 134,457 |
| 2001 | | - | 1,762,124 | 30,864 | 43,370 | 5,941 | - | 53,769 | 136,209 |
| 2002 | | - | 1,834,812 | 32,977 | 41,892 | 5,340 | - | 51,868 | 146,609 |
| 2003 | | 3,762,900 | 2,431,789 | - | 98,725 | - | 109,286 | - | - |
| 2004 | | 3,850,508 | 2,481,834 | - | 96,865 | - | 107,444 | - | - |
| 2005 | | 3,894,862 | 2,515,537 | - | 96,927 | - | 106,280 | - | - |
| 2006 | | 3,993,516 | 2,556,508 | - | 93,666 | - | 105,318 | - | - |
| 2007 | | 4,102,045 | 2,584,168 | - | 92,496 | - | 103,868 | - | - |
| 2008 | | 4,152,466 | 2,589,175 | - | 91,754 | - | 99,241 | - | - |
| 2009 | | 4,090,316 | 2,561,419 | - | 95,288 | - | 97,155 | - | - |
| 2010 | | 4,204,685 | 2,647,673 | - | 103,270 | - | 94,951 | - | - |
| 2011 | | 4,275,555 | 2,662,956 | - | 99,540 | - | 92,035 | - | - |
| 2012 | | 4,440,315 | 2,676,513 | - | 99,243 | - | 92,300 | - | - |
| 2013 | | 4,474,608 | 2,667,160 | - | 96,264 | - | 97,750 | - | - |
| 2014 | | 4,567,447 | 2,708,244 | - | 86,909 | - | 101,769 | - | - |
| 2015 | | 4,610,025 | 2,701,945 | - | 90,680 | - | 110,930 | - | - |
| 2016 | | 4,592,872 | 2,661,987 | - | 92,978 | - | 111,884 | - | - |
| 2017 | | 4,565,159 | 2,618,489 | - | 82,806 | - | 96,128 | - | - |
| 2018 | | 4,754,424 | 2,561,049 | - | 85,476 | - | 93,364 | - | - |
| 2019 | | 4,856,297 | 2,957,928 | - | 89,948 | - | 110,384 | - | - |
| 2020 | | 4,936,582 | 2,910,251 | - | 94,461 | - | 111,025 | - | - |
| 2021 | | 5,103,963 | 2,945,181 | - | 97,278 | - | 106,582 | - | - |
| 2022 ^p | | 5,344,724 | 2,976,404 | - | 90,118 | - | 106,217 | - | - |
| 2019 | 2/4 | 5,055,595 | 2,848,503 | - | 83,107 | - | 108,509 | - | - |
| | 3/4 | 5,250,242 | 3,002,252 | - | 61,635 | - | 113,702 | - | - |
| | 4/4 | 5,082,343 | 2,915,577 | - | 76,374 | - | 109,240 | - | - |
| 2020 | 1/4 | 5,355,111 | 2,876,187 | - | 134,785 | - | 100,127 | - | - |
| | 2/4 | 5,295,397 | 2,924,876 | - | 88,575 | - | 112,262 | - | - |
| | 3/4 | 5,295,075 | 2,939,299 | - | 65,784 | - | 118,308 | - | - |
| | 4/4 | 5,150,652 | 2,900,759 | - | 86,201 | - | 114,888 | - | - |
| 2021 | 1/4 | 5,242,096 | 2,898,699 | - | 148,629 | - | 101,244 | - | - |
| | 2/4 | 5,094,750 | 2,949,418 | - | 82,830 | - | 107,609 | - | - |
| | 3/4 | 5,555,522 | 3,006,899 | - | 74,993 | - | 111,808 | - | - |
| | 4/4 | 5,322,508 | 2,941,110 | - | 82,815 | - | 105,476 | - | - |
| 2022 ^p | 1/4 | 5,610,282 | 2,913,924 | - | 144,992 | - | 98,445 | - | - |
| | 2/4 | 5,481,910 | 2,965,384 | - | 79,336 | - | 103,481 | - | - |
| | 3/4 | 5,409,210 | 3,027,378 | - | 68,157 | - | 112,172 | - | - |
| | 4/4 | 5,303,902 | 2,980,898 | - | 74,988 | - | 110,118 | - | - |
| 2023 ^p | 1/4 | 5,715,780 | 3,164,200 | - | 137,662 | - | 106,825 | - | - |
| | 2/4 | 5,335,344 | 2,952,540 | - | 72,230 | - | 112,400 | - | - |

주 1. 2020년 실질 기준

2. 1990-2002년: 구분류 기준 도시 2인 이상 가구

3. 2003-2018: 신분류 기준 전국 2인 이상 가구

4. 2019년 이후: 비농림어가, 전국 2인 이상 가구

5. 2017-2021년 연간 소득은 「가계금융복지조사」, 경상소득의 월 평균값임.

6. 기간별 상세 기준은 통계청의 가계동향조사 참고

자료: 통계청 가계동향조사, 통계청 가계금융복지조사

Note 1. At chained 2020 year prices

2. 1990-2002: Based on families of two or more in urban areas using the previous classification.

3. 2003-2018: Based on families of two or more in urban areas using the new classification.

4. After 2019: Based on non-agriculture/forestry families of two or more across South Korea.

5. Income from 2017 to 2021 is the monthly average of regular income using the Survey of Household Finances and Living Conditions.

6. For more detailed criteria for each period, refer to Household Income and Expenditure Survey by Statistics Korea.

Source: Household Income and Expenditure Survey(Statistics Korea),

Survey of Household Finances and Living Conditions(Statistics Korea)

9. 해외 에너지

World Energy

9.1 세계 원유 생산

World Crude Oil Production

9.1.1 세계 원유 생산: OPEC

World Crude Oil Production: OPEC

9.1.2 세계 원유 생산: 비OPEC

World Crude Oil Production: Non-OPEC

9.2 세계 석유 수요

World Oil Demand

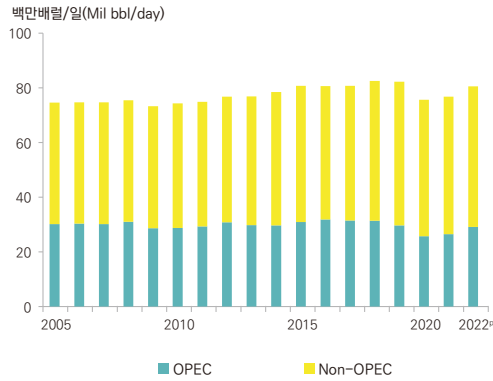
9.3 국제 석유 가격

International Oil Prices

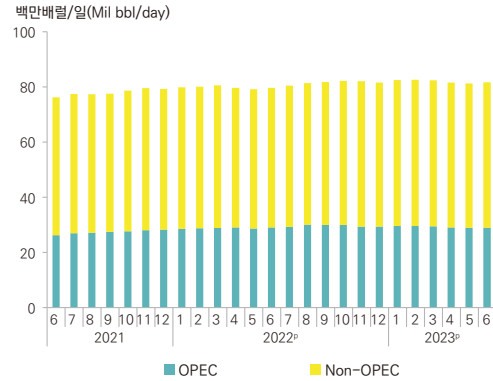


● 세계 원유 생산 World Crude Oil Production

〈2005~2022^o〉

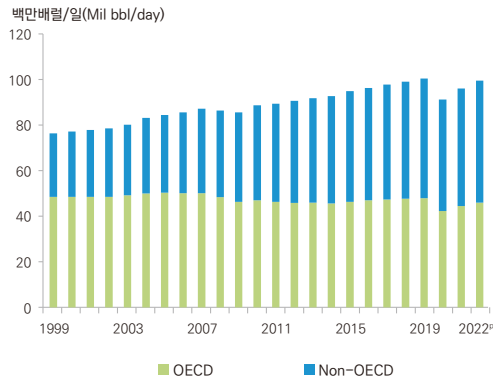


〈월별 Monthly〉

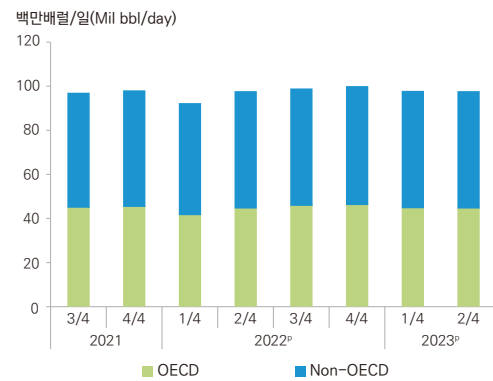


● 세계 석유 수요 World Oil Demand

〈1990~2022^o〉

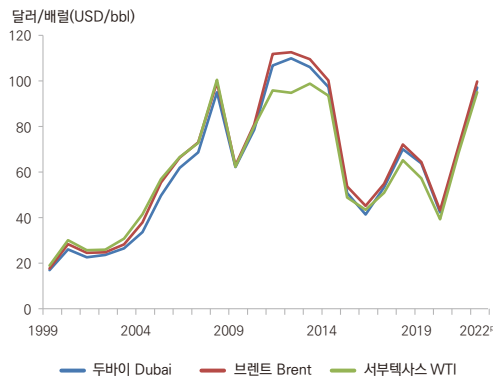


〈분기 Quarterly〉

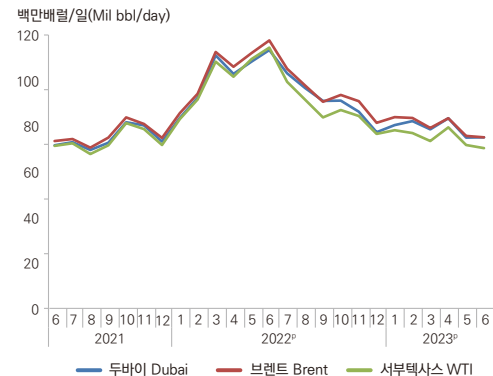


● 국제 석유 가격 International Oil Prices

〈1990~2022^o〉



〈월별 Monthly〉



9.1.1 세계 원유 생산: OPEC

World Crude Oil Production: OPEC

| | | OPEC ¹ OPEC ¹ | 사우디아라비아 ² Saudi Arabia ² | 이란 Iran | 이라크 Iraq | 쿠웨이트 ² Kuwait ² | 아랍에미리트 U.A.E | 베네수엘라 Venezuela | 나이지리아 Nigeria |
|-------------------|----|--|---|------------|-------------|--|-----------------|--------------------|------------------|
| | | Million bbl/day | | | | | | | |
| 1999 | | 29.24 | 7.78 | 3.50 | 2.52 | 1.91 | 2.07 | 2.78 | 1.95 |
| 2000 | | 30.77 | 8.28 | 3.68 | 2.57 | 2.04 | 2.24 | 2.89 | 2.04 |
| 2001 | | 30.28 | 7.98 | 3.70 | 2.36 | 2.00 | 2.16 | 2.81 | 2.08 |
| 2002 | | 28.80 | 7.65 | 3.40 | 2.01 | 1.87 | 1.99 | 2.44 | 1.97 |
| 2003 | | 30.84 | 8.78 | 3.78 | 1.32 | 2.17 | 2.29 | 2.26 | 2.15 |
| 2004 | | 33.29 | 8.90 | 3.93 | 1.99 | 2.35 | 2.35 | 2.52 | 2.32 |
| 2005 | | 30.13 | 9.64 | 3.88 | 1.81 | 2.71 | 2.46 | 2.79 | 2.40 |
| 2006 | | 30.33 | 9.51 | 3.91 | 1.90 | 2.79 | 2.62 | 2.73 | 2.24 |
| 2007 | | 30.10 | 9.04 | 3.98 | 2.09 | 2.72 | 2.52 | 2.74 | 2.13 |
| 2008 | | 31.02 | 9.49 | 3.90 | 2.38 | 2.89 | 2.59 | 2.78 | 1.95 |
| 2016 | | 28.65 | 8.45 | 3.74 | 2.43 | 2.54 | 2.27 | 2.67 | 1.82 |
| 2010 | | 28.76 | 8.44 | 3.70 | 2.36 | 2.56 | 2.31 | 2.53 | 2.07 |
| 2011 | | 29.28 | 9.65 | 3.62 | 2.67 | 2.83 | 2.50 | 2.50 | 2.03 |
| 2012 | | 30.75 | 10.06 | 3.00 | 2.95 | 3.01 | 2.65 | 2.50 | 2.01 |
| 2013 | | 29.78 | 9.92 | 2.68 | 3.08 | 3.07 | 2.76 | 2.50 | 1.84 |
| 2014 | | 29.66 | 9.91 | 2.81 | 3.34 | 2.98 | 2.77 | 2.46 | 1.85 |
| 2015 | | 30.88 | 10.20 | 2.85 | 4.00 | 2.82 | 2.95 | 2.46 | 1.77 |
| 2016 | | 31.81 | 10.42 | 3.55 | 4.42 | 2.88 | 3.05 | 2.24 | 1.47 |
| 2017 | | 31.48 | 9.96 | 3.81 | 4.47 | 2.71 | 2.93 | 1.97 | 1.53 |
| 2018 | | 31.39 | 10.33 | 3.58 | 4.57 | 2.75 | 3.03 | 1.40 | 1.60 |
| 2019 | | 29.67 | 9.94 | 2.36 | 4.71 | 2.68 | 3.22 | 0.87 | 1.73 |
| 2020 | | 25.73 | 9.26 | 2.00 | 4.05 | 2.47 | 2.91 | 0.53 | 1.49 |
| 2021 | | 26.45 | 9.28 | 2.42 | 4.03 | 2.54 | 2.78 | 0.61 | 1.31 |
| 2022 ^p | | 29.08 | 10.67 | 2.55 | 4.45 | 2.84 | 3.34 | 0.70 | 1.15 |
| 2021 | 6 | 26.03 | 9.07 | 2.45 | 3.93 | 2.52 | 2.74 | 0.60 | 1.31 |
| | 7 | 26.79 | 9.62 | 2.50 | 3.97 | 2.54 | 2.78 | 0.57 | 1.32 |
| | 8 | 26.93 | 9.71 | 2.42 | 4.07 | 2.55 | 2.83 | 0.58 | 1.24 |
| | 9 | 27.27 | 9.83 | 2.48 | 4.15 | 2.60 | 2.86 | 0.61 | 1.25 |
| | 10 | 27.52 | 9.95 | 2.48 | 4.16 | 2.64 | 2.89 | 0.71 | 1.23 |
| | 11 | 27.88 | 10.05 | 2.47 | 4.26 | 2.67 | 2.92 | 0.78 | 1.29 |
| 2022 ^p | 12 | 28.05 | 10.17 | 2.50 | 4.30 | 2.70 | 2.94 | 0.80 | 1.21 |
| | 1 | 28.38 | 10.21 | 2.49 | 4.30 | 2.72 | 3.17 | 0.69 | 1.38 |
| | 2 | 28.63 | 10.34 | 2.63 | 4.23 | 2.72 | 3.06 | 0.76 | 1.27 |
| | 3 | 28.70 | 10.36 | 2.53 | 4.33 | 2.78 | 3.21 | 0.72 | 1.25 |
| | 4 | 28.91 | 10.55 | 2.58 | 4.43 | 2.80 | 3.24 | 0.76 | 1.23 |
| | 5 | 28.44 | 10.58 | 2.31 | 4.44 | 2.81 | 3.31 | 0.73 | 1.07 |
| | 6 | 28.88 | 10.63 | 2.49 | 4.47 | 2.82 | 3.50 | 0.73 | 1.16 |
| | 7 | 29.08 | 10.95 | 2.49 | 4.53 | 2.91 | 3.39 | 0.63 | 1.08 |
| | 8 | 29.94 | 11.12 | 2.67 | 4.54 | 2.96 | 3.47 | 0.69 | 0.98 |
| | 9 | 29.82 | 11.15 | 2.48 | 4.55 | 2.98 | 3.54 | 0.67 | 0.95 |
| | 10 | 29.81 | 11.00 | 2.56 | 4.60 | 2.96 | 3.52 | 0.71 | 1.01 |
| | 11 | 29.19 | 10.55 | 2.67 | 4.46 | 2.80 | 3.35 | 0.68 | 1.15 |
| 2023 ^p | 12 | 29.16 | 10.56 | 2.66 | 4.45 | 2.78 | 3.29 | 0.66 | 1.23 |
| | 1 | 29.38 | 10.54 | 2.65 | 4.42 | 2.81 | 3.45 | 0.72 | 1.25 |
| | 2 | 29.40 | 10.58 | 2.69 | 4.40 | 2.83 | 3.45 | 0.69 | 1.30 |
| | 3 | 29.31 | 10.59 | 2.76 | 4.35 | 2.84 | 3.43 | 0.73 | 1.27 |
| | 4 | 28.94 | 10.63 | 2.85 | 4.10 | 2.83 | 3.29 | 0.78 | 1.02 |
| | 5 | 28.80 | 10.14 | 3.10 | 4.12 | 2.73 | 3.26 | 0.80 | 1.18 |
| 2023 ^p | 6 | 28.81 | 10.14 | 3.04 | 4.19 | 2.71 | 3.24 | 0.79 | 1.24 |

1. 기타석유, NGL, 콘덴세이트 포함.

2. 중립지대 지분 포함.

자료: IEA-Oil Market Report

1. Includes other petroleum products, NGL and condensate oil.

2. Includes oil production from neutral zones.

Source: IEA-Oil Market Report

9.1.2 세계 원유 생산: 비OPEC

World Oil Production: Non-OPEC

| | | 세계 ¹ World ¹ | 비OPEC ¹ Non-OPEC ¹ | 미국 United States | 캐나다 Canada | 러시아 Russia | 중국 China | 멕시코 Mexico | 브라질 Brazil |
|-------------------|----|---------------------------------------|---|---------------------|---------------|---------------|-------------|---------------|---------------|
| | | Million bbl/day | | | | | | | |
| 2005 | | 74.55 | 44.42 | 5.18 | 1.83 | 9.49 | 3.59 | 3.33 | 1.64 |
| 2006 | | 74.70 | 44.37 | 5.09 | 1.87 | 9.57 | 3.62 | 3.26 | 1.73 |
| 2007 | | 74.63 | 44.53 | 5.07 | 1.92 | 9.86 | 3.68 | 3.08 | 1.75 |
| 2008 | | 75.42 | 44.40 | 5.00 | 1.93 | 9.78 | 3.73 | 2.79 | 1.82 |
| 2009 | | 73.30 | 44.65 | 5.36 | 1.81 | 9.92 | 3.74 | 2.60 | 1.96 |
| 2010 | | 74.32 | 45.56 | 5.48 | 1.93 | 10.14 | 4.02 | 2.58 | 2.06 |
| 2011 | | 74.83 | 45.55 | 5.67 | 2.05 | 10.27 | 4.02 | 2.55 | 2.12 |
| 2012 | | 76.75 | 45.99 | 6.52 | 2.23 | 10.37 | 4.07 | 2.55 | 2.07 |
| 2013 | | 76.90 | 47.12 | 7.50 | 2.42 | 10.51 | 4.11 | 2.52 | 2.04 |
| 2014 | | 78.51 | 48.85 | 8.79 | 2.66 | 10.58 | 4.13 | 2.43 | 2.27 |
| 2015 | | 80.72 | 49.85 | 9.44 | 2.70 | 10.72 | 4.22 | 2.27 | 2.45 |
| 2016 | | 80.67 | 48.85 | 8.85 | 2.75 | 10.96 | 3.91 | 2.15 | 2.52 |
| 2017 | | 80.68 | 49.20 | 9.36 | 2.97 | 10.98 | 3.79 | 1.95 | 2.64 |
| 2018 | | 82.51 | 51.13 | 10.95 | 3.28 | 11.16 | 3.72 | 1.83 | 2.60 |
| 2019 | | 82.24 | 52.57 | 12.32 | 3.30 | 11.25 | 3.77 | 1.70 | 2.79 |
| 2020 | | 75.66 | 49.94 | 11.32 | 3.07 | 10.27 | 3.83 | 1.72 | 2.94 |
| 2021 | | 76.71 | 50.26 | 11.27 | 3.26 | 10.52 | 3.93 | 1.78 | 2.91 |
| 2022 ^p | | 80.54 | 51.45 | 11.91 | 3.37 | 10.74 | 4.04 | 1.84 | 3.02 |
| 2021 | 6 | 76.05 | 50.02 | 11.37 | 3.25 | 10.44 | 4.00 | 1.79 | 2.90 |
| | 7 | 77.23 | 50.44 | 11.39 | 3.24 | 10.48 | 3.92 | 1.79 | 3.05 |
| | 8 | 77.13 | 50.20 | 11.28 | 3.33 | 10.44 | 3.95 | 1.75 | 3.00 |
| | 9 | 77.40 | 50.13 | 10.92 | 3.26 | 10.73 | 3.98 | 1.81 | 3.00 |
| | 10 | 78.45 | 50.93 | 11.56 | 3.32 | 10.86 | 3.91 | 1.80 | 2.78 |
| | 11 | 79.37 | 51.49 | 11.78 | 3.36 | 10.91 | 3.91 | 1.80 | 2.85 |
| | 12 | 79.11 | 51.06 | 11.68 | 3.23 | 10.93 | 3.82 | 1.81 | 2.84 |
| 2022 ^p | 1 | 79.66 | 51.28 | 11.48 | 3.19 | 11.03 | 4.08 | 1.83 | 3.03 |
| | 2 | 79.87 | 51.24 | 11.26 | 3.30 | 11.06 | 4.08 | 1.81 | 2.92 |
| | 3 | 80.44 | 51.74 | 11.81 | 3.35 | 11.02 | 4.11 | 1.83 | 2.98 |
| | 4 | 79.45 | 50.54 | 11.77 | 3.33 | 10.07 | 4.08 | 1.82 | 3.00 |
| | 5 | 79.03 | 50.59 | 11.73 | 3.27 | 10.23 | 4.08 | 1.84 | 2.88 |
| | 6 | 79.44 | 50.56 | 11.80 | 3.25 | 10.74 | 4.13 | 1.84 | 2.83 |
| | 7 | 80.33 | 51.25 | 11.84 | 3.42 | 10.77 | 3.98 | 1.85 | 2.96 |
| | 8 | 81.23 | 51.29 | 11.99 | 3.49 | 10.63 | 3.93 | 1.85 | 3.09 |
| | 9 | 81.62 | 51.80 | 12.32 | 3.51 | 10.77 | 4.03 | 1.85 | 3.15 |
| | 10 | 81.98 | 52.17 | 12.38 | 3.52 | 10.73 | 4.00 | 1.85 | 3.24 |
| | 11 | 81.88 | 52.69 | 12.38 | 3.46 | 10.91 | 4.03 | 1.86 | 3.10 |
| | 12 | 81.44 | 52.28 | 12.14 | 3.39 | 10.94 | 3.92 | 1.88 | 3.07 |
| 2023 ^p | 1 | 82.31 | 52.93 | 12.57 | 3.40 | 10.88 | 4.17 | 1.93 | 3.27 |
| | 2 | 82.43 | 53.03 | 12.53 | 3.33 | 10.99 | 4.17 | 1.93 | 3.26 |
| | 3 | 82.19 | 52.88 | 12.77 | 3.34 | 10.65 | 4.22 | 1.94 | 3.12 |
| | 4 | 81.42 | 52.48 | 12.68 | 3.21 | 10.56 | 4.15 | 1.96 | 3.14 |
| | 5 | 81.06 | 52.26 | 12.66 | 3.13 | 10.46 | 4.20 | 1.97 | 3.20 |
| | 6 | 81.46 | 52.65 | 12.75 | 3.24 | 10.44 | 4.21 | 1.96 | 3.37 |

1. 기타석유, NGL, 콘덴세이트 포함.
자료: IEA-Oil Market Report

1. Includes other petroleum products, NGL and condensate oil.
Source: IEA-Oil Market Report

9.2 세계 석유 수요

World Oil Demand

| | 세계 | OECD | | | | 비OECD | | | | | | | | |
|-------------------|-------|-------|----------|-----------|--------------|----------|--------|--------|--------|------------|---------------|-------------|--------|-----|
| | | 아메리카 | 유럽 | 아시아·오세아니아 | | 러시아 | 유럽 | 중국 | 기타 아시아 | 중남미 | 중동 | 아프리카 | | |
| | World | OECD | Americas | Europe | Asia-Oceania | Non-OECD | Russia | Europe | China | Other Asia | Latin America | Middle East | Africa | |
| Million bbl/day | | | | | | | | | | | | | | |
| 1999 | | 76.4 | 48.5 | 24.1 | 15.4 | 8.9 | 27.9 | 3.7 | 0.6 | 4.3 | 7.5 | 4.7 | 4.6 | 2.5 |
| 2000 | | 77.2 | 48.5 | 24.3 | 15.3 | 8.9 | 28.7 | 3.8 | 0.6 | 4.6 | 7.7 | 4.8 | 4.7 | 2.5 |
| 2001 | | 77.9 | 48.6 | 24.3 | 15.5 | 8.8 | 29.3 | 3.8 | 0.6 | 4.8 | 7.9 | 4.8 | 4.9 | 2.6 |
| 2002 | | 78.6 | 48.5 | 24.4 | 15.4 | 8.7 | 30.1 | 3.8 | 0.6 | 5.1 | 8.1 | 4.7 | 5.1 | 2.6 |
| 2003 | | 80.2 | 49.3 | 24.8 | 15.5 | 8.9 | 30.9 | 3.9 | 0.7 | 5.6 | 8.3 | 4.6 | 5.2 | 2.7 |
| 2004 | | 83.2 | 50.1 | 25.7 | 15.6 | 8.8 | 33.1 | 3.9 | 0.7 | 6.5 | 8.9 | 4.9 | 5.5 | 2.8 |
| 2005 | | 84.6 | 50.4 | 25.8 | 15.7 | 8.8 | 34.1 | 3.9 | 0.7 | 6.7 | 8.9 | 5.1 | 5.9 | 2.9 |
| 2006 | | 85.6 | 50.2 | 25.7 | 15.7 | 8.8 | 35.4 | 4.1 | 0.7 | 7.2 | 9.2 | 5.2 | 6.1 | 2.9 |
| 2007 | | 87.1 | 50.1 | 25.9 | 15.5 | 8.6 | 37.1 | 4.1 | 0.7 | 7.6 | 9.8 | 5.3 | 6.4 | 3.1 |
| 2008 | | 86.5 | 48.4 | 24.6 | 15.5 | 8.3 | 38.1 | 4.2 | 0.7 | 7.8 | 9.6 | 5.7 | 6.9 | 3.3 |
| 2009 | | 85.6 | 46.3 | 23.7 | 14.7 | 7.9 | 39.3 | 4.0 | 0.7 | 7.9 | 10.2 | 5.7 | 7.2 | 3.5 |
| 2010 | | 88.7 | 47.0 | 24.2 | 14.7 | 8.1 | 41.7 | 4.2 | 0.7 | 9.0 | 10.9 | 6.1 | 7.3 | 3.6 |
| 2011 | | 89.5 | 46.4 | 24.0 | 14.3 | 8.1 | 43.1 | 4.5 | 0.7 | 9.4 | 11.2 | 6.2 | 7.5 | 3.6 |
| 2012 | | 90.7 | 45.9 | 23.6 | 13.8 | 8.5 | 44.8 | 4.6 | 0.7 | 9.9 | 11.4 | 6.5 | 7.8 | 3.8 |
| 2013 | | 91.9 | 46.0 | 24.1 | 13.6 | 8.3 | 45.9 | 4.7 | 0.7 | 10.3 | 11.8 | 6.7 | 7.9 | 3.9 |
| 2014 | | 92.8 | 45.7 | 24.1 | 13.5 | 8.1 | 47.1 | 4.9 | 0.7 | 10.6 | 12.0 | 6.8 | 8.0 | 4.0 |
| 2015 | | 95.0 | 46.4 | 24.6 | 13.7 | 8.0 | 48.6 | 4.6 | 0.7 | 11.5 | 12.5 | 6.8 | 8.4 | 4.1 |
| 2016 | | 96.4 | 47.0 | 24.9 | 14.0 | 8.1 | 49.4 | 4.5 | 0.7 | 12.0 | 13.0 | 6.4 | 8.5 | 4.3 |
| 2017 | | 97.9 | 47.4 | 25.1 | 14.3 | 8.1 | 50.5 | 4.5 | 0.7 | 12.6 | 13.4 | 6.5 | 8.5 | 4.3 |
| 2018 | | 99.1 | 47.7 | 25.5 | 14.3 | 7.9 | 51.4 | 4.8 | 0.8 | 13.0 | 13.8 | 6.4 | 8.3 | 4.3 |
| 2019 | | 100.5 | 47.9 | 25.7 | 14.3 | 7.9 | 52.6 | 4.9 | 0.8 | 13.5 | 14.3 | 6.4 | 8.4 | 4.4 |
| 2020 | | 91.3 | 42.3 | 22.8 | 12.4 | 7.2 | 49.0 | 4.5 | 0.7 | 13.8 | 12.8 | 5.6 | 7.7 | 3.9 |
| 2021 | | 96.2 | 44.5 | 24.2 | 13.0 | 7.4 | 51.7 | 4.8 | 0.8 | 15.1 | 13.2 | 6.0 | 7.9 | 4.0 |
| 2022 ^p | | 99.6 | 46.1 | 24.9 | 13.7 | 7.5 | 53.5 | 4.9 | 0.8 | 15.1 | 13.8 | 6.1 | 8.9 | 4.1 |
| 2021 | 3Q | 97.9 | 45.7 | 24.9 | 13.7 | 7.1 | 52.2 | 4.9 | 13.7 | 15.3 | 12.7 | 6.2 | 8.4 | 3.9 |
| | 4Q | 99.0 | 46.1 | 24.7 | 13.7 | 7.7 | 52.9 | 5.0 | 13.7 | 15.4 | 13.8 | 6.1 | 7.8 | 4.0 |
| 2022 ^p | 1Q | 98.8 | 45.5 | 24.5 | 13.1 | 7.9 | 53.3 | 4.6 | 13.1 | 15.5 | 13.8 | 6.0 | 8.5 | 4.2 |
| | 2Q | 98.6 | 45.3 | 24.8 | 13.5 | 7.0 | 53.3 | 4.7 | 13.5 | 14.6 | 14.0 | 6.1 | 9.0 | 4.1 |
| | 3Q | 99.9 | 46.6 | 25.3 | 14.1 | 7.2 | 53.3 | 5.0 | 14.1 | 14.5 | 13.4 | 6.1 | 9.5 | 4.0 |
| | 4Q | 100.9 | 46.9 | 25.1 | 14.0 | 7.8 | 54.0 | 5.1 | 14.0 | 15.6 | 13.9 | 6.1 | 8.4 | 4.1 |
| 2023 ^p | 1Q | 100.3 | 45.4 | 24.6 | 13.0 | 7.8 | 54.9 | 4.8 | 13.0 | 15.8 | 14.4 | 6.0 | 8.8 | 4.3 |
| | 2Q | 101.4 | 45.5 | 25.3 | 13.2 | 7.0 | 55.9 | 4.8 | 13.2 | 16.4 | 14.4 | 6.3 | 9.0 | 4.2 |

자료: 한국석유공사

Source: Korea National Oil Corporation

9.3 국제 석유 가격

International Oil Prices

| | | OPEC 바스켓 OPEC Basket | 아랍라이트 Arab Light | 두바이 ¹ Dubai ¹ | 브렌트 ¹ Brent ¹ | 서부텍사스 ¹ WTI ¹ | 오만 ¹ Oman ¹ |
|-------------------|----|-------------------------|---------------------|--|--|--|--------------------------------------|
| | | USD/bbl | | | | | |
| 1990 | | 21.3 | 20.7 | 20.5 | - | - | 20.8 |
| 1995 | | 16.9 | 16.8 | 16.1 | - | - | 16.4 |
| 2000 | | 27.6 | 26.8 | 26.3 | 28.5 | 30.3 | 26.8 |
| 2001 | | 23.2 | 23.1 | 22.8 | 24.9 | 26.0 | 22.9 |
| 2002 | | 24.5 | 24.3 | 23.9 | 25.0 | 26.2 | 24.1 |
| 2003 | | 28.2 | 27.8 | 26.8 | 28.5 | 31.0 | 27.4 |
| 2004 | | 36.0 | 34.5 | 33.7 | 38.0 | 41.5 | 34.4 |
| 2005 | | 50.7 | 50.2 | 49.6 | 55.3 | 56.7 | 50.6 |
| 2006 | | 61.0 | 61.0 | 61.6 | 66.1 | 66.3 | 62.7 |
| 2007 | | 69.5 | 69.1 | 68.3 | 72.7 | 72.4 | 68.8 |
| 2008 | | 94.1 | 94.8 | 94.3 | 98.5 | 99.8 | 95.0 |
| 2009 | | 60.9 | 61.2 | 61.9 | 62.7 | 62.1 | 62.2 |
| 2010 | | 77.4 | 77.8 | 78.1 | 80.3 | 79.6 | 78.4 |
| 2011 | | 107.4 | 107.9 | 106.0 | 110.9 | 95.1 | 106.7 |
| 2012 | | 109.5 | 110.3 | 109.0 | 111.7 | 94.2 | 109.3 |
| 2013 | | 105.9 | 106.6 | 105.3 | 108.7 | 98.1 | 105.5 |
| 2014 | | 96.2 | 97.1 | 96.6 | 99.5 | 92.9 | 96.8 |
| 2015 | | 49.5 | 49.9 | 50.7 | 53.6 | 48.8 | 51.1 |
| 2016 | | 40.7 | 40.9 | 41.4 | 45.1 | 43.5 | 42.1 |
| 2017 | | 52.8 | 53.0 | 53.2 | 54.7 | 50.9 | 53.5 |
| 2018 | | 69.5 | 70.3 | 69.7 | 71.7 | 64.9 | 70.0 |
| 2019 | | 64.1 | 65.0 | 63.5 | 64.2 | 57.0 | 63.9 |
| 2020 | | 41.4 | 42.4 | 42.3 | 43.2 | 39.3 | 42.5 |
| 2021 | | 69.7 | 70.5 | 69.4 | 71.0 | 68.1 | 69.5 |
| 2022 ^p | | 99.9 | 101.4 | 96.4 | 99.0 | 94.3 | 96.5 |
| 2021 | 6 | 71.9 | 72.8 | 71.6 | 73.4 | 71.4 | 71.7 |
| | 7 | 73.5 | 74.2 | 72.9 | 74.3 | 72.4 | 73.1 |
| | 8 | 70.3 | 71.4 | 69.5 | 70.5 | 67.7 | 69.6 |
| | 9 | 73.9 | 75.0 | 72.6 | 74.9 | 71.5 | 72.7 |
| | 10 | 82.1 | 82.8 | 81.6 | 83.8 | 81.2 | 81.7 |
| | 11 | 80.4 | 80.8 | 80.3 | 80.9 | 78.7 | 80.5 |
| 2022 ^p | 12 | 74.4 | 75.5 | 73.2 | 74.8 | 71.7 | 73.2 |
| | 1 | 85.4 | 86.2 | 83.5 | 85.6 | 83.0 | 83.6 |
| | 2 | 94.2 | 93.8 | 92.4 | 94.1 | 91.6 | 92.8 |
| | 3 | 113.5 | 113.0 | 110.9 | 112.5 | 108.3 | 111.1 |
| | 4 | 105.6 | 107.2 | 102.8 | 105.9 | 101.6 | 102.8 |
| | 5 | 113.9 | 116.4 | 108.2 | 112.0 | 109.3 | 108.2 |
| 2023 ^p | 6 | 117.7 | 117.3 | 113.3 | 117.5 | 114.3 | 113.3 |
| | 7 | 108.6 | 109.0 | 103.1 | 105.1 | 99.4 | 103.3 |
| | 8 | 101.9 | 104.9 | 96.6 | 97.7 | 91.5 | 97.0 |
| | 9 | 95.3 | 99.3 | 91.0 | 90.6 | 83.8 | 91.0 |
| | 10 | 93.6 | 96.2 | 91.2 | 93.6 | 87.0 | 91.2 |
| | 11 | 89.7 | 91.6 | 86.3 | 90.9 | 84.4 | 86.3 |
| 2023 ^p | 12 | 79.7 | 82.4 | 77.2 | 81.3 | 76.5 | 77.4 |
| | 1 | 81.6 | 83.8 | 80.4 | 83.9 | 78.2 | 80.6 |
| | 2 | 81.9 | 83.6 | 82.1 | 83.5 | 76.9 | 82.4 |
| | 3 | 78.5 | 80.3 | 78.5 | 79.2 | 73.4 | 78.6 |
| | 4 | 84.1 | 85.7 | 83.4 | 83.4 | 79.4 | 83.5 |
| | 5 | 75.8 | 77.7 | 75.0 | 75.7 | 71.6 | 75.0 |
| 2023 ^p | 6 | 75.2 | 77.2 | 75.0 | 75.0 | 70.3 | 75.0 |

1. 현물가격

자료: OPEC, 한국석유공사

1. Spot price

Source: OPEC, Korea National Oil Corporation



10. 에너지밸런스(개정전)

Pre-revision Energy Balance

10.1 주요 에너지지표

Major Energy Indicators

10.2 에너지 생산

Energy production by Source

10.3 일차에너지 공급

Primary Energy Supply by Source

10.4 최종에너지 원별 소비

Final Energy Consumption by Source

10.5 최종에너지 부문별 소비

Final Energy Consumption by Sector

10.5.1 산업

Industry

10.5.2 수송

Transport

10.5.3 가정·상업

Residential and Commercial

10.5.4 공공

Public

10.1 주요 에너지지표

Major Energy Indicators

| | | 일차에너지 공급 | 최종에너지 소비 | 에너지원단위 ¹ | 에너지탄성치 ¹ | 에너지수입액 | 에너지 수입의존도 ² | 석유 의존도 |
|-------------------|----|-----------|----------|-----------------------|--------------------------------|---------------------|--|---------------------------|
| | | TPES | TFEC | TPES/GDP ¹ | Energy elasticity ¹ | Energy import value | Rate of dependence on imports ² | Rate of dependence on oil |
| | | 1,000 toe | | toe/Mil KRW | △TPES/△GDP | Mil USD | % | |
| 1990 | | 92,931 | 74,701 | 0.205 | 1.394 | 10,908 | 87.8 | 54.0 |
| 1995 | | 149,927 | 121,400 | 0.219 | 0.974 | 19,053 | 96.8 | 62.7 |
| 2000 | | 193,240 | 149,958 | 0.214 | 0.701 | 37,888 | 97.2 | 52.1 |
| 2001 | | 198,865 | 153,103 | 0.210 | 0.594 | 33,894 | 97.3 | 50.7 |
| 2002 | | 209,290 | 160,876 | 0.205 | 0.681 | 32,290 | 97.1 | 49.2 |
| 2003 | | 215,772 | 164,550 | 0.205 | 0.999 | 38,306 | 96.9 | 47.8 |
| 2004 | | 220,756 | 166,452 | 0.199 | 0.444 | 49,600 | 96.6 | 45.8 |
| 2005 | | 229,667 | 171,543 | 0.199 | 0.939 | 66,697 | 96.6 | 44.5 |
| 2006 | | 234,062 | 174,873 | 0.192 | 0.361 | 85,566 | 96.5 | 43.8 |
| 2007 | | 236,486 | 182,015 | 0.184 | 0.179 | 94,978 | 96.6 | 44.7 |
| 2008 | | 240,994 | 183,054 | 0.182 | 0.635 | 141,475 | 96.5 | 41.6 |
| 2009 | | 243,500 | 182,080 | 0.182 | 1.300 | 91,160 | 96.5 | 42.1 |
| 2010 | | 264,053 | 195,401 | 0.185 | 1.241 | 121,654 | 96.5 | 39.6 |
| 2011 | | 276,998 | 205,241 | 0.187 | 1.325 | 172,490 | 96.5 | 38.1 |
| 2012 | | 278,330 | 206,974 | 0.184 | 0.200 | 184,800 | 96.0 | 38.1 |
| 2013 | | 279,637 | 208,376 | 0.179 | 0.147 | 178,698 | 95.7 | 37.7 |
| 2014 | | 282,453 | 210,477 | 0.175 | 0.315 | 174,137 | 95.2 | 37.0 |
| 2015 | | 286,979 | 215,447 | 0.173 | 0.572 | 102,715 | 94.8 | 38.0 |
| 2016 | | 293,869 | 222,027 | 0.172 | 0.828 | 80,942 | 94.6 | 40.0 |
| 2017 | | 302,646 | 231,179 | 0.172 | 0.933 | 109,466 | 93.9 | 39.6 |
| 2018 | | 307,774 | 233,585 | 0.170 | 0.584 | 145,970 | 93.6 | 38.5 |
| 2019 | | 303,359 | 231,621 | 0.164 | -0.652 | 126,701 | 93.4 | 38.7 |
| 2020 | | 292,076 | 222,563 | 0.159 | 5.313 | 86,554 | 92.8 | 37.7 |
| 2021 | | 307,312 | 237,360 | 0.160 | 1.272 | 137,200 | 92.3 | 38.4 |
| 2022 ^p | | 309,898 | 237,070 | 0.157 | 0.324 | 217,952 | 91.6 | 38.3 |
| 2021 | 6 | 23,948 | 18,435 | 0.150 | 0.719 | 10,370 | 91.8 | 40.6 |
| | 7 | 26,097 | 19,218 | - | - | 12,170 | 92.0 | 38.2 |
| | 8 | 25,686 | 19,391 | - | - | 12,005 | 92.0 | 38.3 |
| | 9 | 24,476 | 19,063 | 0.159 | 1.699 | 12,318 | 91.9 | 41.3 |
| | 10 | 24,601 | 18,835 | - | - | 13,336 | 92.2 | 40.2 |
| | 11 | 25,622 | 19,727 | - | - | 14,678 | 92.6 | 37.8 |
| | 12 | 29,777 | 22,933 | 0.158 | 1.464 | 15,830 | 93.7 | 37.9 |
| 2022 ^p | 1 | 30,277 | 23,486 | - | - | 18,410 | 92.8 | 36.7 |
| | 2 | 26,278 | 20,797 | - | - | 15,137 | 92.0 | 36.0 |
| | 3 | 26,120 | 20,515 | 0.177 | 1.440 | 18,813 | 91.8 | 37.9 |
| | 4 | 23,624 | 18,653 | - | - | 17,307 | 90.7 | 39.1 |
| | 5 | 24,971 | 19,260 | - | - | 17,111 | 90.7 | 40.7 |
| | 6 | 23,637 | 17,664 | 0.147 | 0.153 | 16,052 | 91.2 | 37.0 |
| | 7 | 26,634 | 19,633 | - | - | 20,994 | 91.5 | 38.3 |
| | 8 | 26,579 | 19,861 | - | - | 20,757 | 91.2 | 39.4 |
| | 9 | 23,262 | 17,703 | 0.155 | 0.089 | 19,779 | 90.5 | 39.6 |
| | 10 | 23,757 | 18,112 | - | - | 17,418 | 90.8 | 39.9 |
| | 11 | 24,476 | 18,912 | - | - | 17,522 | 91.8 | 39.3 |
| | 12 | 29,919 | 22,400 | 0.152 | -1.650 | 18,651 | 93.0 | 36.7 |
| 2023 ^p | 1 | 28,414 | 22,132 | - | - | 17,833 | 92.1 | 35.3 |
| | 2 | 25,163 | 19,843 | - | - | 17,482 | 91.8 | 36.2 |
| | 3 | 25,812 | 20,337 | 0.168 | -4.416 | 16,473 | 91.0 | 39.8 |
| | 4 | 22,817 | 17,912 | - | - | 12,535 | 90.3 | 38.6 |
| | 5 | 23,746 | 18,431 | - | - | 13,432 | 90.7 | 40.4 |
| | 6 | 23,261 | 17,698 | 0.140 | -3.705 | 11,950 | 90.4 | 38.8 |

1. 월별 수치는 분기자료임.

2. 원자력 발전량 포함

1. Monthly values are from quarterly data.

2. Includes nuclear power.

10.2 에너지 생산

Energy Production by Source

| | | 합계 Total | 무연탄 Anthracite | 천연가스 ¹ Natural gas ¹ | 수력 Hydro | 원자력 Nuclear | 신재생 및 기타 ² Renewables & Others ² |
|-------------------|----|-------------|-------------------|---|-------------|----------------|---|
| | | 1,000 toe | | | | | |
| 1990 | | 23,357 | 7,748 | - | 1,590 | 13,222 | 797 |
| 1995 | | 21,751 | 2,574 | - | 1,369 | 16,757 | 1,050 |
| 2000 | | 32,641 | 1,868 | - | 1,402 | 27,241 | 2,130 |
| 2001 | | 33,244 | 1,718 | - | 1,038 | 28,033 | 2,456 |
| 2002 | | 35,521 | 1,493 | - | 1,327 | 29,776 | 2,925 |
| 2003 | | 38,864 | 1,484 | - | 1,722 | 32,418 | 3,241 |
| 2004 | | 39,769 | 1,436 | 212 | 1,465 | 32,679 | 3,977 |
| 2005 | | 43,745 | 1,274 | 518 | 1,297 | 36,695 | 3,961 |
| 2006 | | 44,582 | 1,271 | 461 | 1,305 | 37,187 | 4,358 |
| 2007 | | 38,338 | 1,342 | 353 | 1,084 | 30,731 | 4,828 |
| 2008 | | 40,376 | 1,289 | 236 | 1,196 | 32,456 | 5,198 |
| 2009 | | 40,133 | 1,171 | 498 | 1,213 | 31,771 | 5,480 |
| 2010 | | 40,912 | 969 | 539 | 1,391 | 31,948 | 6,064 |
| 2011 | | 42,989 | 969 | 451 | 1,684 | 33,265 | 6,619 |
| 2012 | | 42,753 | 942 | 436 | 1,615 | 31,719 | 8,041 |
| 2013 | | 41,336 | 817 | 463 | 1,771 | 29,283 | 9,001 |
| 2014 | | 46,745 | 787 | 322 | 1,650 | 33,002 | 10,985 |
| 2015 | | 49,867 | 794 | 188 | 1,223 | 34,765 | 12,897 |
| 2016 | | 50,177 | 777 | 154 | 1,400 | 34,181 | 13,666 |
| 2017 | | 50,152 | 702 | 341 | 1,490 | 31,615 | 16,004 |
| 2018 | | 48,195 | 569 | 305 | 1,549 | 28,437 | 17,336 |
| 2019 | | 51,136 | 513 | 259 | 1,331 | 31,079 | 17,955 |
| 2020 | | 55,292 | 482 | 185 | 1,523 | 34,119 | 18,983 |
| 2021 | | 57,341 | 425 | 55 | 1,435 | 33,657 | 21,769 |
| 2022 ^p | | 63,608 | 388 | - | 1,546 | 37,500 | 24,175 |
| 2021 | 6 | 4,391 | 39 | 2 | 146 | 2,410 | 1,794 |
| | 7 | 4,709 | 37 | 3 | 152 | 2,621 | 1,897 |
| | 8 | 4,775 | 29 | 2 | 129 | 2,722 | 1,893 |
| | 9 | 4,570 | 30 | 3 | 122 | 2,593 | 1,822 |
| | 10 | 4,781 | 35 | 3 | 108 | 2,867 | 1,768 |
| | 11 | 4,750 | 38 | 3 | 92 | 2,890 | 1,727 |
| | 12 | 5,399 | 36 | 2 | 110 | 3,521 | 1,729 |
| 2022 ^p | 1 | 5,595 | 34 | - | 111 | 3,430 | 2,020 |
| | 2 | 5,082 | 28 | - | 105 | 2,980 | 1,969 |
| | 3 | 5,115 | 36 | - | 118 | 2,954 | 2,008 |
| | 4 | 5,045 | 36 | - | 101 | 2,851 | 2,057 |
| | 5 | 5,428 | 34 | - | 115 | 3,112 | 2,168 |
| | 6 | 5,221 | 33 | - | 118 | 3,137 | 1,933 |
| | 7 | 5,538 | 32 | - | 146 | 3,271 | 2,090 |
| | 8 | 5,815 | 29 | - | 218 | 3,474 | 2,094 |
| | 9 | 5,208 | 29 | - | 171 | 3,002 | 2,006 |
| | 10 | 5,237 | 30 | - | 123 | 3,063 | 2,020 |
| | 11 | 4,986 | 32 | - | 112 | 2,983 | 1,859 |
| | 12 | 5,336 | 32 | - | 109 | 3,244 | 1,952 |
| 2023 ^p | 1 | 5,563 | 26 | - | 110 | 3,335 | 2,092 |
| | 2 | 4,945 | 30 | - | 91 | 2,898 | 1,926 |
| | 3 | 5,550 | 31 | - | 112 | 3,237 | 2,170 |
| | 4 | 5,116 | 26 | - | 117 | 2,890 | 2,082 |
| | 5 | 5,314 | 26 | - | 141 | 3,080 | 2,067 |
| | 6 | 5,266 | 26 | - | 127 | 3,018 | 2,095 |

1. 동해-1 가스전 생산량(2021년 12월 31일 생산 종료)

2. 기타: 폐기물을 이용하여 제조한 것

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

2. "Others" refers to energy generated from waste.

10.3 일차에너지 공급

Primary Energy Supply by Source

| | | 합계 Total | 석탄 Coal | 석유 Petroleum | 액화천연가스 LNG | 수력 Hydro | 원자력 Nuclear | 신재생 및 기타 ¹ Renewables & Others ¹ |
|-------------------|----|-------------|------------|-----------------|---------------|-------------|----------------|---|
| | | 1,000 toe | | | | | | |
| 1990 | | 92,931 | 24,124 | 50,175 | 3,023 | 1,590 | 13,222 | 797 |
| 1995 | | 149,927 | 27,495 | 94,042 | 9,213 | 1,369 | 16,757 | 1,050 |
| 2000 | | 193,240 | 42,925 | 100,618 | 18,924 | 1,402 | 27,241 | 2,130 |
| 2001 | | 198,865 | 45,724 | 100,827 | 20,787 | 1,038 | 28,033 | 2,456 |
| 2002 | | 209,290 | 49,131 | 103,034 | 23,096 | 1,327 | 29,776 | 2,925 |
| 2003 | | 215,772 | 51,124 | 103,073 | 24,194 | 1,722 | 32,418 | 3,241 |
| 2004 | | 220,756 | 53,198 | 101,085 | 28,351 | 1,465 | 32,679 | 3,977 |
| 2005 | | 229,667 | 54,795 | 102,197 | 30,722 | 1,297 | 36,695 | 3,961 |
| 2006 | | 234,062 | 56,652 | 102,555 | 32,004 | 1,305 | 37,187 | 4,358 |
| 2007 | | 236,486 | 59,653 | 105,718 | 34,471 | 1,084 | 30,731 | 4,828 |
| 2008 | | 240,994 | 66,100 | 100,373 | 35,671 | 1,196 | 32,456 | 5,198 |
| 2009 | | 243,500 | 68,595 | 102,534 | 33,908 | 1,213 | 31,771 | 5,480 |
| 2010 | | 264,053 | 77,142 | 104,499 | 43,008 | 1,391 | 31,948 | 6,064 |
| 2011 | | 276,998 | 83,687 | 105,459 | 46,284 | 1,684 | 33,265 | 6,619 |
| 2012 | | 278,330 | 80,636 | 106,134 | 50,185 | 1,615 | 31,719 | 8,041 |
| 2013 | | 279,637 | 81,544 | 105,515 | 52,523 | 1,771 | 29,283 | 9,001 |
| 2014 | | 282,453 | 84,399 | 104,643 | 47,773 | 1,650 | 33,002 | 10,985 |
| 2015 | | 286,979 | 85,401 | 109,090 | 43,603 | 1,223 | 34,765 | 12,897 |
| 2016 | | 293,869 | 81,499 | 117,605 | 45,518 | 1,400 | 34,181 | 13,666 |
| 2017 | | 302,646 | 86,177 | 119,824 | 47,536 | 1,490 | 31,615 | 16,004 |
| 2018 | | 307,774 | 86,707 | 118,521 | 55,224 | 1,549 | 28,437 | 17,336 |
| 2019 | | 303,359 | 82,147 | 117,314 | 53,534 | 1,331 | 31,079 | 17,955 |
| 2020 | | 292,076 | 72,241 | 110,240 | 54,970 | 1,523 | 34,119 | 18,983 |
| 2021 | | 307,312 | 72,531 | 118,047 | 59,873 | 1,435 | 33,657 | 21,769 |
| 2022 ^p | | 309,898 | 68,662 | 118,787 | 59,228 | 1,546 | 37,500 | 24,175 |
| | | | | | | | | |
| 2021 | 6 | 23,948 | 5,879 | 9,715 | 4,003 | 146 | 2,410 | 1,794 |
| | 7 | 26,097 | 6,986 | 9,978 | 4,463 | 152 | 2,621 | 1,897 |
| | 8 | 25,686 | 7,068 | 9,847 | 4,026 | 129 | 2,722 | 1,893 |
| | 9 | 24,476 | 6,041 | 10,106 | 3,792 | 122 | 2,593 | 1,822 |
| | 10 | 24,601 | 5,665 | 9,883 | 4,309 | 108 | 2,867 | 1,768 |
| | 11 | 25,622 | 6,061 | 9,685 | 5,168 | 92 | 2,890 | 1,727 |
| | 12 | 29,777 | 6,511 | 11,284 | 6,621 | 110 | 3,521 | 1,729 |
| | | | | | | | | |
| 2022 ^p | 1 | 30,277 | 6,501 | 11,117 | 7,098 | 111 | 3,430 | 2,020 |
| | 2 | 26,278 | 5,500 | 9,459 | 6,265 | 105 | 2,980 | 1,969 |
| | 3 | 26,120 | 5,116 | 9,893 | 6,031 | 118 | 2,954 | 2,008 |
| | 4 | 23,624 | 4,946 | 9,241 | 4,427 | 101 | 2,851 | 2,057 |
| | 5 | 24,971 | 5,476 | 10,154 | 3,947 | 115 | 3,112 | 2,168 |
| | 6 | 23,637 | 5,850 | 8,746 | 3,853 | 118 | 3,137 | 1,933 |
| | 7 | 26,634 | 6,692 | 10,194 | 4,241 | 146 | 3,271 | 2,090 |
| | 8 | 26,579 | 6,456 | 10,466 | 3,872 | 218 | 3,474 | 2,094 |
| | 9 | 23,262 | 5,405 | 9,212 | 3,465 | 171 | 3,002 | 2,006 |
| | 10 | 23,757 | 5,128 | 9,469 | 3,954 | 123 | 3,063 | 2,020 |
| | 11 | 24,476 | 5,237 | 9,611 | 4,674 | 112 | 2,983 | 1,859 |
| | 12 | 29,919 | 6,136 | 10,987 | 7,491 | 109 | 3,244 | 1,952 |
| | | | | | | | | |
| 2023 ^p | 1 | 28,414 | 5,984 | 10,034 | 6,860 | 110 | 3,335 | 2,092 |
| | 2 | 25,163 | 5,322 | 9,103 | 5,823 | 91 | 2,898 | 1,926 |
| | 3 | 25,812 | 4,977 | 10,266 | 5,049 | 112 | 3,237 | 2,170 |
| | 4 | 22,817 | 4,774 | 8,802 | 4,151 | 117 | 2,890 | 2,082 |
| | 5 | 23,746 | 4,972 | 9,591 | 3,895 | 141 | 3,080 | 2,067 |
| | 6 | 23,261 | 5,262 | 9,027 | 3,732 | 127 | 3,018 | 2,095 |

1. 기타: 폐기물을 이용하여 제조한 것

1. "Others" refers to energy generated from waste.

10.4 최종에너지 원별 소비

Final Energy Consumption by Source

| | | 합계 Total | 석탄 Coal | 석유 Petroleum | 액화천연가스 LNG | 도시가스 City gas | 전력 Electricity | 열 Heat | 신재생 및 기타¹ Renewables & Others¹ |
|-------------------|----|-------------|------------|-----------------|---------------|------------------|-------------------|-----------|-----------------------------------|
| | | 1,000 toe | | | | | | | |
| 1990 | | 74,701 | 19,454 | 45,252 | - | 1,011 | 8,111 | 75 | 797 |
| 1995 | | 121,400 | 17,327 | 82,747 | - | 5,593 | 14,041 | 641 | 1,050 |
| 2000 | | 149,958 | 19,661 | 93,839 | 0 | 12,561 | 20,600 | 1,167 | 2,130 |
| 2001 | | 153,103 | 20,357 | 93,617 | - | 13,290 | 22,165 | 1,218 | 2,456 |
| 2002 | | 160,876 | 21,485 | 96,635 | - | 14,567 | 23,947 | 1,316 | 2,925 |
| 2003 | | 164,550 | 22,428 | 96,669 | - | 15,470 | 25,250 | 1,523 | 3,210 |
| 2004 | | 166,452 | 22,100 | 95,942 | - | 16,193 | 26,840 | 1,449 | 3,928 |
| 2005 | | 171,543 | 22,154 | 97,076 | 366 | 17,811 | 28,588 | 1,652 | 3,896 |
| 2006 | | 174,873 | 22,461 | 97,665 | 738 | 18,379 | 29,990 | 1,549 | 4,092 |
| 2007 | | 182,015 | 24,056 | 100,720 | 518 | 18,955 | 31,700 | 1,576 | 4,491 |
| 2008 | | 183,054 | 25,879 | 97,316 | 564 | 19,765 | 33,116 | 1,668 | 4,747 |
| 2009 | | 182,080 | 23,015 | 98,516 | 589 | 19,459 | 33,925 | 1,709 | 4,867 |
| 2010 | | 195,401 | 28,189 | 100,519 | 989 | 21,081 | 37,338 | 1,939 | 5,346 |
| 2011 | | 205,241 | 32,860 | 102,294 | 1,252 | 22,871 | 39,136 | 1,976 | 4,851 |
| 2012 | | 206,974 | 31,017 | 101,683 | 1,156 | 24,728 | 40,127 | 2,102 | 6,162 |
| 2013 | | 208,376 | 31,603 | 101,522 | 813 | 24,878 | 40,837 | 2,070 | 6,654 |
| 2014 | | 210,477 | 35,198 | 102,664 | 769 | 23,041 | 41,073 | 1,528 | 6,204 |
| 2015 | | 215,447 | 34,849 | 106,854 | 851 | 21,678 | 41,594 | 1,967 | 7,653 |
| 2016 | | 222,027 | 32,342 | 114,264 | 1,044 | 22,186 | 42,745 | 2,183 | 7,263 |
| 2017 | | 231,179 | 33,360 | 118,289 | 1,370 | 23,258 | 43,666 | 2,441 | 8,794 |
| 2018 | | 233,585 | 32,480 | 116,831 | 2,038 | 24,979 | 45,249 | 2,682 | 9,327 |
| 2019 | | 231,621 | 32,057 | 116,125 | 2,909 | 23,943 | 44,763 | 2,647 | 9,177 |
| 2020 | | 222,563 | 30,457 | 109,344 | 3,602 | 23,100 | 43,797 | 2,770 | 9,493 |
| 2021 | | 237,360 | 31,810 | 116,936 | 3,550 | 24,287 | 45,875 | 2,900 | 12,002 |
| 2022 ^p | | 237,070 | 29,016 | 117,453 | 3,162 | 24,869 | 47,234 | 3,074 | 12,262 |
| | | | | | | | | | |
| 2021 | 6 | 18,435 | 2,475 | 9,651 | 313 | 1,300 | 3,615 | 95 | 986 |
| | 7 | 19,218 | 2,693 | 9,875 | 347 | 1,213 | 3,954 | 98 | 1,039 |
| | 8 | 19,391 | 2,754 | 9,797 | 323 | 1,161 | 4,208 | 86 | 1,060 |
| | 9 | 19,063 | 2,665 | 10,022 | 279 | 1,142 | 3,854 | 82 | 1,018 |
| | 10 | 18,835 | 2,594 | 9,797 | 276 | 1,481 | 3,598 | 144 | 945 |
| | 11 | 19,727 | 2,742 | 9,588 | 286 | 2,174 | 3,683 | 286 | 969 |
| | 12 | 22,933 | 2,745 | 11,130 | 346 | 3,104 | 4,064 | 497 | 1,047 |
| | | | | | | | | | |
| 2022 ^p | 1 | 23,486 | 2,701 | 10,868 | 336 | 3,630 | 4,290 | 574 | 1,088 |
| | 2 | 20,797 | 2,269 | 9,290 | 301 | 3,338 | 4,096 | 497 | 1,006 |
| | 3 | 20,515 | 2,382 | 9,756 | 273 | 2,760 | 3,950 | 345 | 1,050 |
| | 4 | 18,653 | 2,272 | 9,164 | 247 | 2,023 | 3,771 | 177 | 998 |
| | 5 | 19,260 | 2,653 | 10,095 | 262 | 1,518 | 3,638 | 117 | 978 |
| | 6 | 17,664 | 2,576 | 8,680 | 274 | 1,328 | 3,708 | 99 | 999 |
| | 7 | 19,633 | 2,560 | 10,121 | 261 | 1,315 | 4,183 | 108 | 1,085 |
| | 8 | 19,861 | 2,511 | 10,380 | 283 | 1,177 | 4,324 | 105 | 1,081 |
| | 9 | 17,703 | 2,171 | 9,141 | 229 | 1,153 | 3,908 | 93 | 1,008 |
| | 10 | 18,112 | 2,306 | 9,375 | 209 | 1,455 | 3,652 | 151 | 965 |
| | 11 | 18,912 | 2,362 | 9,523 | 207 | 1,956 | 3,666 | 240 | 959 |
| | 12 | 22,400 | 2,412 | 10,826 | 285 | 3,216 | 4,047 | 569 | 1,044 |
| | | | | | | | | | |
| 2023 ^p | 1 | 22,132 | 2,436 | 9,841 | 265 | 3,521 | 4,418 | 558 | 1,092 |
| | 2 | 19,843 | 2,121 | 8,939 | 280 | 2,964 | 4,129 | 404 | 1,007 |
| | 3 | 20,337 | 2,477 | 10,176 | 314 | 2,290 | 3,804 | 271 | 1,005 |
| | 4 | 17,912 | 2,333 | 8,742 | 325 | 1,715 | 3,650 | 162 | 984 |
| | 5 | 18,431 | 2,437 | 9,539 | 379 | 1,416 | 3,575 | 118 | 965 |
| | 6 | 17,698 | 2,380 | 8,984 | 362 | 1,168 | 3,712 | 98 | 994 |

1. 기타: 폐기물을 이용하여 제조한 것

1. "Others" refers to energy generated from waste.

10.5 최종에너지 부문별 소비

Final Energy Consumption by Sector

| | | 합계 Total | 산업 Industry | 수송 Transport | 가정·상업 Residential and Commercial | 공공 Public |
|-------------------|----|-------------|----------------|-----------------|--|--------------|
| | | 1,000 toe | | | | |
| 1990 | | 74,701 | 36,144 | 14,173 | 21,572 | 2,812 |
| 1995 | | 121,400 | 62,707 | 27,146 | 29,131 | 2,415 |
| 2000 | | 149,958 | 84,237 | 30,945 | 32,153 | 2,623 |
| 2001 | | 153,103 | 85,562 | 31,910 | 32,639 | 2,991 |
| 2002 | | 160,876 | 89,755 | 33,765 | 34,160 | 3,196 |
| 2003 | | 164,550 | 91,400 | 34,634 | 34,786 | 3,730 |
| 2004 | | 166,452 | 93,650 | 34,635 | 34,566 | 3,600 |
| 2005 | | 171,543 | 95,578 | 35,534 | 36,336 | 4,095 |
| 2006 | | 174,873 | 98,577 | 36,522 | 35,921 | 3,853 |
| 2007 | | 182,015 | 104,866 | 37,059 | 35,941 | 4,150 |
| 2008 | | 183,054 | 106,902 | 35,756 | 36,286 | 4,110 |
| 2009 | | 182,080 | 106,053 | 35,892 | 35,829 | 4,305 |
| 2010 | | 195,401 | 116,590 | 36,903 | 37,425 | 4,482 |
| 2011 | | 205,241 | 125,332 | 36,842 | 38,266 | 4,801 |
| 2012 | | 206,974 | 126,369 | 36,783 | 38,606 | 5,216 |
| 2013 | | 208,376 | 128,920 | 36,961 | 37,772 | 4,723 |
| 2014 | | 210,477 | 132,897 | 37,241 | 35,643 | 4,696 |
| 2015 | | 215,447 | 133,417 | 39,851 | 37,048 | 5,130 |
| 2016 | | 222,027 | 135,698 | 42,271 | 38,810 | 5,247 |
| 2017 | | 231,179 | 142,520 | 43,183 | 40,013 | 5,463 |
| 2018 | | 233,585 | 143,501 | 42,969 | 41,544 | 5,571 |
| 2019 | | 231,621 | 142,907 | 42,996 | 40,313 | 5,405 |
| 2020 | | 222,563 | 137,830 | 39,450 | 40,228 | 5,055 |
| 2021 | | 237,360 | 150,293 | 40,170 | 41,194 | 5,702 |
| 2022 ^p | | 237,070 | 147,345 | 40,966 | 42,867 | 5,891 |
| 2021 | 6 | 18,435 | 12,085 | 3,543 | 2,379 | 429 |
| | 7 | 19,218 | 12,874 | 3,428 | 2,450 | 465 |
| | 8 | 19,391 | 12,838 | 3,323 | 2,739 | 491 |
| | 9 | 19,063 | 12,793 | 3,368 | 2,461 | 441 |
| | 10 | 18,835 | 12,523 | 3,202 | 2,682 | 427 |
| | 11 | 19,727 | 12,459 | 3,319 | 3,497 | 451 |
| | 12 | 22,933 | 13,602 | 3,822 | 4,978 | 531 |
| 2022 ^p | 1 | 23,486 | 13,599 | 3,535 | 5,758 | 595 |
| | 2 | 20,797 | 11,854 | 2,986 | 5,410 | 548 |
| | 3 | 20,515 | 12,768 | 3,018 | 4,211 | 519 |
| | 4 | 18,653 | 12,207 | 2,841 | 3,160 | 445 |
| | 5 | 19,260 | 12,380 | 3,919 | 2,531 | 430 |
| | 6 | 17,664 | 11,849 | 3,010 | 2,372 | 433 |
| | 7 | 19,633 | 12,872 | 3,615 | 2,633 | 513 |
| | 8 | 19,861 | 12,549 | 3,961 | 2,865 | 486 |
| | 9 | 17,703 | 11,460 | 3,222 | 2,579 | 442 |
| | 10 | 18,112 | 11,371 | 3,549 | 2,752 | 440 |
| | 11 | 18,912 | 11,858 | 3,240 | 3,346 | 469 |
| | 12 | 22,400 | 12,629 | 3,963 | 5,237 | 570 |
| 2023 ^p | 1 | 22,132 | 12,528 | 3,226 | 5,761 | 616 |
| | 2 | 19,843 | 11,445 | 2,946 | 4,909 | 542 |
| | 3 | 20,337 | 12,501 | 3,638 | 3,697 | 501 |
| | 4 | 17,912 | 11,403 | 3,093 | 2,947 | 468 |
| | 5 | 18,431 | 11,796 | 3,655 | 2,537 | 443 |
| | 6 | 17,698 | 11,410 | 3,472 | 2,374 | 442 |

10.5.1 산업

Industry

| | | 합계 Total | 석탄 Coal | 석유 Petroleum | 액화천연가스 LNG | 도시가스 City gas | 전력 Electricity | 신재생 및 기타 ¹ Renewables & Others ¹ |
|-------------------|----|-------------|------------|-----------------|---------------|------------------|-------------------|---|
| | | 1,000 toe | | | | | | |
| 1990 | | 36,144 | 10,806 | 20,014 | - | 235 | 5,089 | - |
| 1995 | | 62,707 | 15,972 | 36,843 | - | 863 | 8,293 | 736 |
| 2000 | | 84,237 | 19,125 | 48,522 | 0 | 3,308 | 11,374 | 1,908 |
| 2001 | | 85,562 | 19,804 | 48,254 | - | 3,612 | 11,678 | 2,215 |
| 2002 | | 89,755 | 20,956 | 50,032 | - | 3,984 | 12,423 | 2,359 |
| 2003 | | 91,400 | 21,890 | 49,898 | - | 4,177 | 12,933 | 2,503 |
| 2004 | | 93,650 | 21,475 | 50,839 | - | 4,382 | 13,617 | 3,337 |
| 2005 | | 95,578 | 21,242 | 51,746 | 366 | 4,656 | 14,346 | 3,222 |
| 2006 | | 98,577 | 21,398 | 53,114 | 738 | 4,847 | 15,021 | 3,459 |
| 2007 | | 104,866 | 23,043 | 56,364 | 518 | 5,225 | 16,018 | 3,699 |
| 2008 | | 106,902 | 24,791 | 54,964 | 564 | 5,933 | 16,738 | 3,912 |
| 2009 | | 106,053 | 22,075 | 56,616 | 589 | 5,891 | 17,006 | 3,876 |
| 2010 | | 116,590 | 27,288 | 57,576 | 989 | 7,329 | 19,193 | 4,215 |
| 2011 | | 125,332 | 31,989 | 59,977 | 1,252 | 8,383 | 20,830 | 2,900 |
| 2012 | | 126,369 | 30,185 | 60,073 | 1,156 | 9,501 | 21,426 | 4,029 |
| 2013 | | 128,920 | 30,730 | 60,369 | 813 | 9,903 | 22,088 | 5,017 |
| 2014 | | 132,897 | 34,452 | 61,343 | 769 | 9,050 | 22,757 | 4,526 |
| 2015 | | 133,417 | 34,177 | 62,156 | 851 | 7,644 | 22,844 | 5,744 |
| 2016 | | 135,698 | 31,770 | 66,820 | 1,044 | 7,537 | 23,218 | 5,309 |
| 2017 | | 142,520 | 32,847 | 69,871 | 1,370 | 8,010 | 23,794 | 6,628 |
| 2018 | | 143,501 | 32,048 | 69,294 | 2,038 | 9,028 | 24,399 | 6,694 |
| 2019 | | 142,907 | 31,752 | 69,216 | 2,909 | 8,540 | 24,060 | 6,430 |
| 2020 | | 137,830 | 30,216 | 66,483 | 3,602 | 7,813 | 22,973 | 6,743 |
| 2021 | | 150,293 | 31,597 | 73,346 | 3,550 | 8,760 | 24,309 | 8,731 |
| 2022 ^p | | 147,345 | 28,815 | 73,274 | 3,162 | 8,612 | 24,763 | 8,719 |
| | | | | | | | | |
| 2021 | 6 | 12,085 | 2,472 | 5,974 | 313 | 638 | 1,978 | 710 |
| | 7 | 12,874 | 2,690 | 6,345 | 347 | 635 | 2,102 | 755 |
| | 8 | 12,838 | 2,751 | 6,359 | 323 | 613 | 2,054 | 738 |
| | 9 | 12,793 | 2,650 | 6,472 | 279 | 621 | 2,039 | 732 |
| | 10 | 12,523 | 2,558 | 6,286 | 276 | 713 | 1,978 | 711 |
| | 11 | 12,459 | 2,702 | 5,950 | 286 | 785 | 2,014 | 723 |
| | 12 | 13,602 | 2,703 | 6,776 | 346 | 873 | 2,137 | 768 |
| | | | | | | | | |
| 2022 ^p | 1 | 13,599 | 2,677 | 6,726 | 336 | 875 | 2,208 | 778 |
| | 2 | 11,854 | 2,252 | 5,798 | 301 | 776 | 2,017 | 710 |
| | 3 | 12,768 | 2,368 | 6,444 | 273 | 796 | 2,134 | 752 |
| | 4 | 12,207 | 2,264 | 6,181 | 247 | 751 | 2,044 | 720 |
| | 5 | 12,380 | 2,649 | 6,032 | 262 | 692 | 2,030 | 715 |
| | 6 | 11,849 | 2,572 | 5,609 | 274 | 686 | 2,003 | 705 |
| | 7 | 12,872 | 2,556 | 6,423 | 261 | 700 | 2,168 | 764 |
| | 8 | 12,549 | 2,507 | 6,306 | 283 | 601 | 2,109 | 743 |
| | 9 | 11,460 | 2,155 | 5,817 | 229 | 575 | 1,985 | 698 |
| | 10 | 11,371 | 2,273 | 5,556 | 209 | 641 | 1,991 | 701 |
| | 11 | 11,858 | 2,324 | 5,976 | 207 | 675 | 1,979 | 696 |
| | 12 | 12,629 | 2,377 | 6,291 | 285 | 843 | 2,095 | 737 |
| | | | | | | | | |
| 2023 ^p | 1 | 12,528 | 2,414 | 6,099 | 265 | 795 | 2,185 | 770 |
| | 2 | 11,445 | 2,102 | 5,585 | 280 | 723 | 2,038 | 718 |
| | 3 | 12,501 | 2,464 | 6,277 | 314 | 692 | 2,037 | 717 |
| | 4 | 11,403 | 2,327 | 5,469 | 325 | 629 | 1,963 | 691 |
| | 5 | 11,796 | 2,433 | 5,744 | 379 | 606 | 1,948 | 685 |
| | 6 | 11,410 | 2,378 | 5,443 | 362 | 556 | 1,976 | 695 |

1. 기타: 폐기물을 이용하여 제조한 것

1. "Others" refers to energy generated from waste.

10.5.2 수송

Transport

| | | 합계 Total | 휘발유 Gasoline | 경유 Diesel oil | 액화석유가스 LPG | 압축천연가스 CNG | 전력 Electricity | 신재생 Renewables |
|-------------------|----|-------------|-----------------|------------------|---------------|---------------|-------------------|-------------------|
| | | 1,000 toe | | | | | | |
| 1990 | | 14,173 | 2,936 | 7,748 | 1,222 | - | 87 | - |
| 1995 | | 27,146 | 7,527 | 12,639 | 1,766 | - | 138 | - |
| 2000 | | 30,945 | 7,884 | 13,283 | 3,453 | - | 175 | - |
| 2001 | | 31,910 | 7,848 | 13,892 | 3,946 | 7 | 194 | - |
| 2002 | | 33,765 | 7,961 | 15,089 | 4,229 | 80 | 195 | - |
| 2003 | | 34,634 | 7,634 | 16,106 | 4,415 | 146 | 200 | - |
| 2004 | | 34,635 | 7,335 | 16,388 | 4,586 | 239 | 213 | 6 |
| 2005 | | 35,534 | 7,512 | 16,300 | 4,680 | 339 | 224 | 13 |
| 2006 | | 36,522 | 7,574 | 16,388 | 4,844 | 475 | 218 | 53 |
| 2007 | | 37,059 | 7,686 | 16,414 | 5,174 | 615 | 209 | 96 |
| 2008 | | 35,756 | 7,745 | 15,353 | 5,191 | 777 | 196 | 178 |
| 2009 | | 35,892 | 8,106 | 14,949 | 5,332 | 960 | 187 | 254 |
| 2010 | | 36,903 | 8,498 | 15,099 | 5,294 | 1,112 | 188 | 357 |
| 2011 | | 36,842 | 8,579 | 15,046 | 5,036 | 1,174 | 193 | 336 |
| 2012 | | 36,783 | 8,612 | 14,954 | 4,863 | 1,248 | 194 | 360 |
| 2013 | | 36,961 | 8,802 | 15,552 | 4,755 | 1,299 | 186 | 548 |
| 2014 | | 37,241 | 8,805 | 16,058 | 4,455 | 1,307 | 172 | 454 |
| 2015 | | 39,851 | 9,186 | 17,566 | 4,405 | 1,288 | 191 | 445 |
| 2016 | | 42,271 | 9,511 | 19,028 | 4,209 | 1,270 | 231 | 443 |
| 2017 | | 43,183 | 9,625 | 19,833 | 3,930 | 1,253 | 246 | 428 |
| 2018 | | 42,969 | 9,649 | 19,645 | 3,664 | 1,238 | 265 | 683 |
| 2019 | | 42,996 | 10,050 | 20,068 | 3,608 | 1,216 | 271 | 700 |
| 2020 | | 39,450 | 9,857 | 19,359 | 3,140 | 1,099 | 285 | 690 |
| 2021 | | 40,170 | 10,354 | 19,967 | 3,033 | 1,060 | 318 | 597 |
| 2022 ^p | | 40,966 | 10,797 | 19,428 | 3,007 | 1,025 | 349 | 743 |
| 2021 | 6 | 3,543 | 908 | 1,757 | 288 | 91 | 25 | 71 |
| | 7 | 3,428 | 890 | 1,660 | 278 | 96 | 27 | 55 |
| | 8 | 3,323 | 909 | 1,607 | 261 | 92 | 28 | 71 |
| | 9 | 3,368 | 922 | 1,617 | 250 | 86 | 26 | 64 |
| | 10 | 3,202 | 816 | 1,555 | 272 | 88 | 26 | 33 |
| | 11 | 3,319 | 839 | 1,670 | 255 | 87 | 27 | 37 |
| | 12 | 3,822 | 995 | 2,013 | 230 | 91 | 30 | 39 |
| 2022 ^p | 1 | 3,535 | 895 | 1,735 | 249 | 86 | 30 | 40 |
| | 2 | 2,986 | 766 | 1,449 | 239 | 77 | 27 | 44 |
| | 3 | 3,018 | 711 | 1,451 | 234 | 84 | 26 | 66 |
| | 4 | 2,841 | 683 | 1,388 | 222 | 83 | 26 | 62 |
| | 5 | 3,919 | 1,080 | 1,918 | 270 | 87 | 27 | 64 |
| | 6 | 3,010 | 743 | 1,403 | 240 | 85 | 28 | 82 |
| | 7 | 3,615 | 1,028 | 1,643 | 275 | 92 | 31 | 73 |
| | 8 | 3,961 | 1,036 | 1,931 | 263 | 91 | 33 | 77 |
| | 9 | 3,222 | 885 | 1,406 | 262 | 85 | 30 | 76 |
| | 10 | 3,549 | 923 | 1,706 | 244 | 84 | 29 | 58 |
| | 11 | 3,240 | 834 | 1,497 | 254 | 83 | 30 | 49 |
| | 12 | 3,963 | 1,130 | 1,879 | 247 | 87 | 32 | 52 |
| 2023 ^p | 1 | 3,226 | 810 | 1,511 | 228 | 81 | 33 | 39 |
| | 2 | 2,946 | 759 | 1,368 | 241 | 75 | 31 | 35 |
| | 3 | 3,638 | 945 | 1,808 | 229 | 83 | 30 | 62 |
| | 4 | 3,093 | 785 | 1,372 | 225 | 80 | 29 | 81 |
| | 5 | 3,655 | 996 | 1,691 | 237 | 84 | 31 | 76 |
| | 6 | 3,472 | 915 | 1,587 | 230 | 84 | 32 | 81 |

주: 합계에는 항공유, 중유 및 기타 석유제품 포함.

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

10.5.3 가정·상업

| | | 합계 Total | | 석탄 Coal | | 석유 Petroleum | | 도시가스 City gas | |
|-------------------|----|-------------------|------------------|-------------------|------------------|-------------------|------------------|-------------------|------------------|
| | | 가정 Residential | 상업 Commercial | 가정 Residential | 상업 Commercial | 가정 Residential | 상업 Commercial | 가정 Residential | 상업 Commercial |
| | | 1,000 toe | | | | | | | |
| 1990 | | 16,366 | 5,206 | 8,627 | - | 4,960 | 3,916 | 455 | 322 |
| 1995 | | 19,229 | 9,902 | 1,355 | - | 10,851 | 6,621 | 3,767 | 839 |
| 2000 | | 21,160 | 10,993 | 536 | - | 8,881 | 4,527 | 7,353 | 1,671 |
| 2001 | | 21,379 | 11,260 | 553 | - | 8,706 | 3,621 | 7,526 | 1,885 |
| 2002 | | 22,318 | 11,843 | 529 | - | 8,516 | 3,378 | 8,109 | 2,132 |
| 2003 | | 22,346 | 12,440 | 539 | - | 7,907 | 3,166 | 8,530 | 2,359 |
| 2004 | | 22,467 | 12,100 | 626 | - | 7,469 | 2,109 | 8,636 | 2,657 |
| 2005 | | 22,147 | 14,189 | 912 | - | 5,781 | 3,174 | 9,524 | 2,979 |
| 2006 | | 21,237 | 14,684 | 1,063 | - | 4,526 | 2,970 | 9,685 | 3,173 |
| 2007 | | 21,016 | 14,925 | 1,014 | - | 4,161 | 2,781 | 9,723 | 3,108 |
| 2008 | | 21,126 | 15,160 | 1,088 | - | 4,041 | 2,528 | 9,624 | 3,139 |
| 2009 | | 20,611 | 15,218 | 940 | - | 3,802 | 2,343 | 9,267 | 3,065 |
| 2010 | | 21,334 | 16,092 | 901 | - | 3,988 | 2,409 | 9,366 | 3,122 |
| 2011 | | 21,871 | 16,395 | 871 | - | 3,736 | 2,201 | 10,125 | 3,076 |
| 2012 | | 21,652 | 16,954 | 832 | - | 3,272 | 2,098 | 10,109 | 3,688 |
| 2013 | | 21,301 | 16,472 | 872 | - | 3,075 | 1,923 | 9,849 | 3,730 |
| 2014 | | 19,829 | 15,815 | 745 | - | 2,965 | 1,741 | 9,124 | 3,476 |
| 2015 | | 20,565 | 16,484 | 672 | - | 3,186 | 2,134 | 9,192 | 3,469 |
| 2016 | | 21,752 | 17,059 | 571 | - | 3,632 | 2,052 | 9,647 | 3,645 |
| 2017 | | 22,620 | 17,393 | 513 | - | 3,648 | 2,045 | 10,238 | 3,680 |
| 2018 | | 23,642 | 17,902 | 432 | - | 3,366 | 1,959 | 10,901 | 3,713 |
| 2019 | | 22,782 | 17,531 | 306 | - | 3,051 | 1,773 | 10,479 | 3,630 |
| 2020 | | 23,201 | 17,028 | 242 | - | 2,732 | 1,621 | 10,900 | 3,219 |
| 2021 | | 23,776 | 17,418 | 212 | - | 2,683 | 1,571 | 11,104 | 3,290 |
| 2022 ^p | | 24,285 | 18,583 | 201 | - | 2,618 | 1,551 | 11,513 | 3,653 |
| | | | | | | | | | |
| 2021 | 6 | 1,098 | 1,280 | 3 | - | 124 | 116 | 355 | 214 |
| | 7 | 1,028 | 1,423 | 3 | - | 99 | 100 | 237 | 241 |
| | 8 | 1,233 | 1,506 | 4 | - | 113 | 90 | 222 | 230 |
| | 9 | 1,139 | 1,322 | 15 | - | 181 | 100 | 233 | 197 |
| | 10 | 1,424 | 1,258 | 36 | - | 238 | 126 | 467 | 210 |
| | 11 | 2,117 | 1,381 | 40 | - | 239 | 138 | 1,018 | 279 |
| | 12 | 3,205 | 1,773 | 42 | - | 416 | 180 | 1,725 | 405 |
| | | | | | | | | | |
| 2022 ^p | 1 | 3,829 | 1,929 | 24 | - | 450 | 204 | 2,213 | 443 |
| | 2 | 3,505 | 1,905 | 16 | - | 362 | 182 | 2,053 | 421 |
| | 3 | 2,635 | 1,576 | 14 | - | 214 | 143 | 1,535 | 337 |
| | 4 | 1,814 | 1,346 | 8 | - | 127 | 104 | 946 | 239 |
| | 5 | 1,252 | 1,280 | 4 | - | 121 | 100 | 502 | 234 |
| | 6 | 1,020 | 1,352 | 4 | - | 94 | 84 | 311 | 244 |
| | 7 | 1,102 | 1,531 | 4 | - | 88 | 87 | 266 | 254 |
| | 8 | 1,231 | 1,633 | 4 | - | 143 | 91 | 209 | 271 |
| | 9 | 1,141 | 1,438 | 16 | - | 128 | 98 | 259 | 230 |
| | 10 | 1,429 | 1,323 | 33 | - | 229 | 111 | 480 | 246 |
| | 11 | 1,944 | 1,402 | 38 | - | 223 | 138 | 911 | 284 |
| | 12 | 3,374 | 1,863 | 35 | - | 430 | 203 | 1,828 | 448 |
| | | | | | | | | | |
| 2023 ^p | 1 | 3,719 | 2,042 | 23 | - | 375 | 183 | 2,183 | 452 |
| | 2 | 3,069 | 1,840 | 19 | - | 274 | 170 | 1,786 | 370 |
| | 3 | 2,204 | 1,493 | 13 | - | 201 | 128 | 1,207 | 303 |
| | 4 | 1,620 | 1,327 | 6 | - | 145 | 112 | 764 | 238 |
| | 5 | 1,265 | 1,272 | 4 | - | 129 | 105 | 502 | 217 |
| | 6 | 1,016 | 1,358 | 2 | - | 100 | 90 | 291 | 234 |

1. 기타: 폐기물을 이용하여 제조한 것

주 1. 신재생 원수치는 가정, 상업 합계임.

2. 연탄소비비는 모두 가정부문에 포함.

Residential and Commercial

| 전력 Electricity | | 열 Heat | | 신재생 및 기타¹ Renewables & Others¹ | | | |
|-------------------|------------------|-------------------|------------------|-----------------------------------|------------------|----|-------------------|
| 가정 Residential | 상업 Commercial | 가정 Residential | 상업 Commercial | 가정 Residential | 상업 Commercial | | |
| 1,000 toe | | | | | | | |
| 1,525 | 896 | 68 | 6 | 731 | 66 | | 1990 |
| 2,434 | 2,367 | 610 | 22 | 212 | 53 | | 1995 |
| 3,191 | 4,700 | 1,084 | 63 | 115 | 33 | | 2000 |
| 3,372 | 5,633 | 1,111 | 80 | 109 | 42 | | 2001 |
| 3,636 | 6,223 | 1,203 | 84 | 325 | 26 | | 2002 |
| 3,833 | 6,752 | 1,252 | 105 | 286 | 58 | | 2003 |
| 4,181 | 7,171 | 1,299 | 116 | 256 | 47 | | 2004 |
| 4,375 | 7,858 | 1,466 | 143 | 89 | 34 | | 2005 |
| 4,517 | 8,366 | 1,367 | 140 | 79 | 37 | | 2006 |
| 4,659 | 8,854 | 1,391 | 142 | 69 | 39 | | 2007 |
| 4,836 | 9,308 | 1,472 | 150 | 65 | 35 | | 2008 |
| 4,953 | 9,640 | 1,519 | 137 | 129 | 33 | | 2009 |
| 5,263 | 10,373 | 1,744 | 154 | 72 | 33 | | 2010 |
| 5,295 | 10,463 | 1,774 | 158 | 71 | 495 | | 2011 |
| 5,464 | 10,585 | 1,878 | 177 | 97 | 405 | | 2012 |
| 5,501 | 10,576 | 1,841 | 182 | 162 | 61 | | 2013 |
| 5,390 | 10,316 | 1,376 | 126 | 228 | 156 | | 2014 |
| 5,486 | 10,533 | 1,758 | 173 | 270 | 175 | | 2015 |
| 5,691 | 10,959 | 1,895 | 238 | 316 | 164 | | 2016 |
| 5,720 | 11,212 | 2,105 | 280 | 395 | 175 | | 2017 |
| 6,079 | 11,722 | 2,289 | 332 | 575 | 175 | | 2018 |
| 6,059 | 11,606 | 2,224 | 348 | 663 | 173 | | 2019 |
| 6,370 | 11,673 | 2,352 | 352 | 604 | 163 | | 2020 |
| 6,670 | 11,940 | 2,440 | 379 | 666 | 239 | | 2021 |
| 6,756 | 12,644 | 2,503 | 493 | 695 | 242 | | 2022 ^p |
| 502 | 906 | 65 | 27 | 50 | 18 | 6 | 2021 |
| 582 | 1,019 | 49 | 43 | 58 | 20 | 7 | |
| 776 | 1,123 | 41 | 40 | 78 | 22 | 8 | |
| 596 | 980 | 54 | 25 | 60 | 20 | 9 | |
| 508 | 888 | 124 | 17 | 51 | 18 | 10 | |
| 515 | 920 | 253 | 25 | 51 | 18 | 11 | |
| 535 | 1,116 | 434 | 50 | 53 | 22 | 12 | |
| 590 | 1,189 | 491 | 69 | 61 | 23 | 1 | 2022 ^p |
| 588 | 1,219 | 426 | 60 | 60 | 23 | 2 | |
| 518 | 1,039 | 300 | 37 | 53 | 20 | 3 | |
| 524 | 966 | 155 | 19 | 54 | 18 | 4 | |
| 482 | 906 | 92 | 22 | 50 | 17 | 5 | |
| 500 | 972 | 61 | 34 | 51 | 19 | 6 | |
| 631 | 1,116 | 49 | 53 | 65 | 21 | 7 | |
| 750 | 1,196 | 48 | 52 | 77 | 23 | 8 | |
| 618 | 1,056 | 57 | 33 | 64 | 20 | 9 | |
| 504 | 929 | 130 | 18 | 52 | 18 | 10 | |
| 509 | 938 | 210 | 25 | 52 | 18 | 11 | |
| 542 | 1,118 | 483 | 72 | 56 | 21 | 12 | |
| 601 | 1,312 | 476 | 70 | 62 | 25 | 1 | 2023 ^p |
| 584 | 1,227 | 345 | 49 | 60 | 24 | 2 | |
| 498 | 1,012 | 235 | 30 | 51 | 19 | 3 | |
| 511 | 941 | 142 | 17 | 53 | 18 | 4 | |
| 488 | 908 | 91 | 24 | 50 | 17 | 5 | |
| 512 | 979 | 57 | 36 | 53 | 19 | 6 | |

1. "Others" refers to energy generated from waste.

Note 1. Monthly values for renewables are the sum of residential and commercial sectors.

2. The entire coal consumption belongs to the residential sector.

10.5.4 공공

Public

| | | 합계 Total | 석유 Petroleum | 도시가스 City gas | 전력 Electricity | 열 Heat | 신재생 및 기타 ¹⁾ Renewables & Others ¹⁾ |
|-------------------|----|-------------|-----------------|------------------|-------------------|-----------|---|
| | | 1,000 toe | | | | | |
| 1990 | | 2,812 | 2,276 | - | 514 | 1 | - |
| 1995 | | 2,415 | 1,424 | 125 | 808 | 10 | 49 |
| 2000 | | 2,623 | 1,140 | 229 | 1,160 | 20 | 74 |
| 2001 | | 2,991 | 1,328 | 259 | 1,288 | 27 | 90 |
| 2002 | | 3,196 | 1,220 | 262 | 1,470 | 30 | 215 |
| 2003 | | 3,730 | 1,411 | 259 | 1,531 | 166 | 364 |
| 2004 | | 3,600 | 1,347 | 279 | 1,658 | 34 | 283 |
| 2005 | | 4,095 | 1,417 | 313 | 1,785 | 42 | 538 |
| 2006 | | 3,853 | 1,279 | 199 | 1,868 | 42 | 464 |
| 2007 | | 4,150 | 1,274 | 285 | 1,960 | 43 | 588 |
| 2008 | | 4,110 | 1,176 | 292 | 2,039 | 45 | 557 |
| 2009 | | 4,305 | 1,264 | 277 | 2,138 | 52 | 575 |
| 2010 | | 4,482 | 1,299 | 152 | 2,321 | 41 | 669 |
| 2011 | | 4,801 | 1,241 | 112 | 2,355 | 44 | 1,048 |
| 2012 | | 5,216 | 1,258 | 181 | 2,459 | 47 | 1,272 |
| 2013 | | 4,723 | 1,227 | 98 | 2,485 | 46 | 866 |
| 2014 | | 4,696 | 1,306 | 85 | 2,438 | 27 | 840 |
| 2015 | | 5,130 | 1,450 | 85 | 2,540 | 36 | 1,019 |
| 2016 | | 5,247 | 1,432 | 88 | 2,646 | 50 | 1,031 |
| 2017 | | 5,463 | 1,470 | 77 | 2,694 | 55 | 1,168 |
| 2018 | | 5,571 | 1,429 | 99 | 2,784 | 61 | 1,199 |
| 2019 | | 5,405 | 1,276 | 78 | 2,766 | 74 | 1,211 |
| 2020 | | 5,055 | 1,130 | 70 | 2,496 | 66 | 1,292 |
| 2021 | | 5,702 | 1,140 | 74 | 2,637 | 82 | 1,769 |
| 2022 ^p | | 5,891 | 1,162 | 67 | 2,723 | 78 | 1,862 |
| 2021 | 6 | 429 | 83 | 3 | 203 | 4 | 136 |
| | 7 | 465 | 81 | 4 | 224 | 6 | 150 |
| | 8 | 491 | 103 | 4 | 227 | 5 | 152 |
| | 9 | 441 | 76 | 5 | 213 | 3 | 143 |
| | 10 | 427 | 91 | 3 | 197 | 3 | 132 |
| | 11 | 451 | 93 | 5 | 207 | 7 | 139 |
| | 12 | 531 | 97 | 10 | 246 | 13 | 165 |
| 2022 ^p | 1 | 595 | 109 | 13 | 273 | 13 | 187 |
| | 2 | 548 | 112 | 11 | 246 | 11 | 168 |
| | 3 | 519 | 113 | 8 | 232 | 8 | 159 |
| | 4 | 445 | 82 | 4 | 211 | 3 | 144 |
| | 5 | 430 | 100 | 2 | 193 | 3 | 132 |
| | 6 | 433 | 78 | 3 | 207 | 4 | 141 |
| | 7 | 513 | 103 | 4 | 237 | 6 | 162 |
| | 8 | 486 | 79 | 4 | 236 | 6 | 161 |
| | 9 | 442 | 68 | 3 | 219 | 3 | 149 |
| | 10 | 440 | 100 | 2 | 199 | 3 | 136 |
| | 11 | 469 | 107 | 4 | 210 | 5 | 143 |
| | 12 | 570 | 110 | 10 | 260 | 13 | 178 |
| 2023 ^p | 1 | 616 | 110 | 11 | 286 | 12 | 196 |
| | 2 | 542 | 105 | 9 | 249 | 9 | 170 |
| | 3 | 501 | 106 | 6 | 228 | 6 | 156 |
| | 4 | 468 | 113 | 3 | 207 | 3 | 142 |
| | 5 | 443 | 96 | 7 | 200 | 3 | 137 |
| | 6 | 442 | 76 | 3 | 214 | 4 | 146 |

1. 기타: 폐기물을 이용하여 제조한 것

1. "Others" refers to energy generated from waste.

부록

Glossary

A. 에너지 단위

B. 간이밸런스 용어

C. 기타 에너지 용어



GLOSSARY

A. 에너지 단위

- 리터(ℓ , Liter) : 부피의 단위로 1리터는 1,000세제곱센티미터(cm^3)와 동일함.
- 배럴(bbl, Barrel) : 석유용량의 단위지만 본래는 '중간이 부분 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)

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

■ 간이밸런스 (Simple balance)

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

2. 간이밸런스의 행 구조

에너지 상품의 흐름은 에너지 상품의 초기 출현에서 최종소비로 사라지는 과정을 표현하며, 에너지 밸런스의 총족에 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 상품하면서 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 bunker링에 포함함. 에너지 상품의 국내 총공급을 구하기 위해서는 에너지 상품의 수출량을 삭감해야 함. 이를 위해 에너지 상품의 수출은 음의 부호로 표시되며, 공급에서 차감됨.

■ 국제해운 bunker링 (International marine bunkers)

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

■ 국제항공병커링 (International aviation bunkers)

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

■ 재고변화 (Stocks changes)

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

일차에너지공급 (Total primary energy supply)

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

■ 제품이동 (Transfers between commodities)

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

통계오차 (Statistical difference)

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

일차에너지소비 (Total primary energy consumption)

일차에너지소비는 경제 내부에서 발생하는 에너지 상품 흐름의 합계. 즉, 전환과정, 전환자체소비(에너지산업 자체소비), 손실의 합계임.

전환과정 (Transformation processes)

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

■ 발전전용 (Electricity-only plants)

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

■ 열병합 (CHP plants)

열병합발전은 단일 플랜트에서 전기와 열을 동시에 생산하는 방식을 말함.

■ 열전용 (Heat-only plants)

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

■ 석유제품생산 (Petroleum products)

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

■ 가스제조 (Gas manufacturing (transf.))

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

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

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

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

연료전지용 수소가 투입되어 전기가 생산되는 공정.

전환자체소비(Transformation own use)

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

손실 (Losses)

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

최종소비 (Total final consumption)

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

■ 산업 (Industry)

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

산업부문의 하위 분류는 한국표준산업분류체계를 따름.

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

■ 수송 (Transport)

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

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

■ 가정 (Residential)

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

■ 상업·공공 (Commercial & Public services)

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

3. 간이밸런스의 열 구조

석탄 및 석탄제품 (Coal)

■ 무연탄 (Anthracite)

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

■ 유연탄 및 기타석탄 (Bituminous and other coal)

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

천연가스 (Natural gas)

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

도시가스 (City gas)

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

원유 및 정제원료 (Crude oil & Refinery feedstocks)

■ 원유 (Crude oil)

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

■ 정제원료 (Refinery feedstocks)

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

■ 첨가물 (Additives & Blending components)

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

■ 기타탄화수소 (Other hydrocarbons)

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

석유제품 (Petroleum)

■ 정제가스 (Refinery gas)

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

■ 프로판 (Propane)

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

■ 부탄 (Butane)

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

■ 휘발유 (Motor gasoline)

휘발유는 촉매를 이용하여 납사를 개질한 후 첨가제, 산소성분, 옥탄향상제 등을 혼합한 제품으로 육상수송용 연료로 사용됨. 휘발유 통계는 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 수소탈황 공정을 거쳐 중유 생산을 위한 혼합 재료로 사용됨. 압축점화 엔진용 경유는 자동차, 건설기계, 철도용 소형고속엔진 등의 내연기관 연료로 사용됨.

■ B-A

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

■ B-B

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

■ B-C

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

■ 납사 (Naphtha)

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

■ 용제 (White spirit & SBP)

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

■ 윤활유 (Lubricants)

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

■ 아스팔트 (Bitumen)

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

■ 파라핀왁스 (Paraffin waxes)

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

■ 석유코크 (Petroleum coke)

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

■ 기타석유제품 (Other oil products)

위에서 정의되지 않은 모든 석유제품으로 주로 프로필렌과 황의 생산량임.

원자력 (Nuclear)

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

수력 (Hydro)

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

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

바이오 및 폐기물 (Renewables & Other Source)

산업폐기물, 도시폐기물_재생, 도시폐기물_비재생, 고형바이오매스, 바이오가스, 매립지가스, 바이오휘발유, 바이오경유, 기타 바이오연료, 목탄의 합계.

지열, 태양 및 기타 (Geothermal, solar, etc.)

지열, 태양광, 태양열, 해양, 풍력의 합계.

기타에너지원 (Other Source)

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

전기 (Electricity)

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

열 (Heat)

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

총에너지 (Total of all energy)

모든 에너지 상품의 합계.

메모: 신재생 (Memo: New and renewables)

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

C. 기타 에너지 용어

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

API(American Petroleum Institute) : 원유나 석유제품의 비중을 나타내기 위한 지표로 미국석유회社(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 석유헌기 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 둠.

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 석유평가협조와 이를 위한 정보수집, 의견교환 등에 목적을 두고 있음.

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

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

에너지경제연구원 회원 제도 안내

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

1. 연회비 (발송비 포함)

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

2. 회원 가입 신청서

| | | | |
|------------|---|------|------|
| 소 속 | 기관명 | | |
| | 담당자 | | |
| | 부서/직위 | 부서 : | 직위 : |
| 주 소 | 우편번호 | | |
| | 주소 | | |
| 담당자 연락처 | 전화 | | |
| | 팩스 | | |
| | 전자우편 | | |
| 회원구분 | ● 일반회원(국내)< > ● 일반회원(국외)< > ● 포럼회원(국내)< > | | |

3. 연회비 납입방법

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

4. 문의

- 에너지경제연구원 대외협력팀 김 동 현
 - 전화 : (052)714-2297
 - 팩스 : (052)714-2023



승인 번호
제 339001 호

제39권 제9호
에너지통계월보
2023.09

발행일 : 2023년 09월
발행인 : 김현제
발행처 : 에너지경제연구원
우 44543 울산광역시 중구 종가로 405-11(성안동)

Vol. 39. No. 09

Published on September 2023
Publisher : Hyun Jea Kim
Published by Korea Energy Economics Institute
405-11, Jongga-ro, Jung-gu, Ulsan, Republic of Korea (44543)

인쇄 : 디자인매일