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2021년 자료  
Data up to 2021

# 2022

## 지역에너지통계연보

Yearbook of Regional Energy Statistics



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)



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# 1. 일러두기 Explanatory Notes

## 1. 지역에너지 통계 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
- 통계작성 승인번호 : 제339001호(2002.04.02.)
- 통계작성 목적 : 에너지 수요와 공급에 영향을 미치는 여러가지 요인을 비교·분석함으로써 에너지 수요전망, 에너지효율분석 등 각종 에너지정책 수립을 위한 연구의 기초자료로 활용

### 다. 작성 목적

- 에너지법 제7조에 명시된 광역자치단체의 지역적 특성을 고려한 「지역에너지 계획 수립」 등에 필요한 17개 시·도별 기초 에너지 통계 제공
- 「지역에너지통계연보」를 활용하여 광역자치단체의 에너지 수급 전망, 에너지 안정적 공급, 친환경 에너지 사용 계획 수립 등에 필요한 기초 통계 자료 제공

### 라. 연혁

- 1997년 12월: 지역에너지통계연보 준비호 발간
- 1998년 12월: 지역에너지통계연보 제1호 발간
- 2002년 4월: 에너지수급통계 통계작성 승인(제339001호, 2002.4.2.)
- 2003년 12월: 지역에너지통계연보 제4호 발간 (매년 발간 확정)
- 2013년 7월: 통계변경 승인(에너지수급통계 작성 대상 지역을 전국에서 전국 및 16개 시도로 변경하여 지역에너지수급통계를 승인통계에 포함)
- 2022년 10월: 통계변경 승인(세종시 포함 17개 시도로 변경, 통계 작성 대상 지역을 229개 시·군·구로 확대)

### 마. 작성 주기, 조사 기간

- 작성 주기: 매년
- 조사 기간: 대상 연도(1월 1일~12월 31일)

## 바. 작성 방법 및 체계

- “에너지통계의 작성 등에 관한 규정”(산업통상자원부 고시 제2013-70호) 제4호의 에너지수급통계 작성기관에서 에너지생산 및 판매실적을 보고 받아 에너지경제연구원에서 에너지밸런스 국가 및 지역에너지수급 관련 통계를 생성

※ 에너지수급통계 작성 Flow 참조

## 사. 작성 내용

- 생산: 국내 생산 17개 시·도별 분류
- 일차에너지: 국가 일차에너지 17개 시·도별 분류
- 최종에너지 소비: 국가 최종에너지 17개 시·도별 분류
  - 산업부문: 농림어업, 광업, 제조업, 건설업
  - 수송부문: 철도운수, 육상운수, 수상운수, 항공운수
  - 가정·상업·공공부문: 가정, 상업, 공공, 기타

## 아. 결과 공표

- 공표 시기: 대상 연도 다음해 12월
- 공표 방법: 인터넷 게재 및 발간물 배포
  - 웹사이트: 국가에너지통계종합정보시스템(KESIS: Korea Energy Statistical Information System), [www.kesis.net](http://www.kesis.net)
- 229개 시·군·구 에너지통계의 공표
  - 대상 연도 다다음해 5월에 웹사이트([www.kesis.net](http://www.kesis.net))를 통하여 공표

## 2. 지역에너지통계의 에너지밸런스 적용

### 가. 에너지밸런스 적용

- 에너지경제연구원은 에너지수급통계 생산을 위한 작성 틀인 에너지밸런스를 전면 개정하여 새로운 에너지수급통계 작성 방법으로 통계변경 승인을 받고(2022.10.17.), 개정된 에너지밸런스를 기반으로 국가에너지수급통계 간행물을 개편·작성하고 있음.
- 하지만 지역에너지수급을 나타내는 지역단위의 에너지밸런스 개정 사업은 2023년부터 시작할 계획으로 해당 사업이 완료되기 전까지 지역에너지수급통계는 개정전 에너지밸런스를 기반으로 작성·공표될 예정임.
- 따라서 지역단위의 에너지밸런스 개정이 완료될 때 까지 지역에너지수급통계의 지역별 통계량 합과 전국 에너지수급통계 간의 차이가 존재할 수 있음.

# 1. 일러두기 Explanatory Notes

## 나. 개정전 에너지밸런스 변경 사항(2017~2019년 수정 사항)

■ 지역에너지통계연보의 작성 방법인 개정전 에너지밸런스의 최근(2017~2019년) 수정 사항은 다음과 같음.

### 1) 개요

- 일부 에너지원의 에너지소비 업종 및 용도 분류 방법 개선, 과거 석유제품 시계열의 갱신(2018년 5월 기준의 석유류수급통계 기준 일괄 적용), 국내 에너지열량 환산 기준이 존재하지 않는 일부 에너지원의 열량 산정 기준 명확화(IEA 기준 적용), LNG 직도입사 소비량 최종에너지소비에 반영, 지역 냉·난방 열에너지 포함범위 현실화 등을 통해 1990년 이후의 에너지밸런스의 신뢰성을 제고.

### 2) 석탄

- 아래 변경사항을 반영함에 따라 2017년 이전의 에너지통계연보와 2018년 이후의 에너지통계연보의 1990~2016년 수치 다름.
  - ① **(유연탄)** 일부 연료용 유연탄 소비업종의 분류 수정(섬유·의복→석유·화학)
  - ② **(무연탄)** 발전용 수입무연탄 소비량 산정방법 변경
    - 2000년 수치부터 적용
    - \* 기존: 발전용 수입무연탄 소비량 = 수입무연탄 소비량 × 수입무연탄 소비실태조사 결과의 발전용 비중
    - \* 변경: 발전용 수입무연탄 소비량 = 한전의 발전용 무연탄 소비량 - 석탄협회의 발전용 국내무연탄 소비량
  - ③ **(무연탄)** 산업부문 소비량 수치 변경
    - 2007년 수치부터 적용
    - \* 산업부문 무연탄 소비량은 국내 및 수입 무연탄 총소비량에서 발전용과 가정용 무연탄 소비량을 제외한 값으로 산정하기 때문에 상기 발전용 수입무연탄 소비량 수정으로 인해 조정됨.
  - ④ **(무연탄)** 산업부문 수입무연탄 열량환산 방법 개선
    - 2012년 수치부터 적용
    - \* 기존: 원료용 수입무연탄 발열량을 적용
    - \* 변경: 산업용 무연탄 소비용도를 원료용(PCI탄)과 연료용으로 구분하여 각각의 열량을 적용(2012년부터 열량을 구분하여 공표)
  - ⑤ **(전체)** 유·무연탄 수급 자료의 월간 수치 합계와 연간수치 사이의 정합성 보장
    - 1990년 수치부터 적용

### 3) 석유

- 아래 변경사항을 반영함에 따라 2017년 이전의 에너지통계연보와 2018년 이후의 에너지통계연보의 1994~2016년 수치 다름.
  - ① **(전체)** 2018년 5월 기준의 한국석유공사 PEDSIS(석유류수급통계)자료 기준으로 1994년 이후의 시계열 갱신
  - ② **(전체)** PEDSIS(석유류수급통계)의 “석유정제업” 항목을 “기타에너지”에서 “석유·화학”으로 이동
    - 1994년 수치부터 적용

③ (경유) 육상수송 소비량에서 바이오디젤 소비량 제외

- 2004년 수치부터 적용(2004년부터 바이오디젤 데이터 집계)

④ (파라핀왁스) 열량 환산 기준 변경

- 1994년 수치부터 적용

\* IEA 기준인 10,030kcal/kg 사용

\* 열량 환산 기준 단위를 l에서 kg으로 변경함에 따라 7.72bbl/ton(한국석유공사 석유류수급통계 기준)을 적용하여 단위를 환산

⑤ (기타 석유제품) 열량 환산 기준 변경

- 1994년 수치부터 적용

- 기타 석유제품에는 부생연료유(등유형), 부생연료유(중유형), 기타제품, 정제가스가 포함됨.

- 기존에는 부생연료1호 열량환산기준(리터당 8,800kcal)을 일괄 적용하였으나, 각 제품별로 열량 환산기준을 각각 적용하여 시계열 수정

\* 부생연료유(등유형): 8,850kcal/l('11년 이전)→ 8,800kcal/l('12~'16년)→ 8,860kcal/l('17년 이후)

\* 부생연료유(중유형): 9,700kcal/l('11년 이전)→ 9,550kcal/l('12~'16년)→ 9,530kcal/l('17년 이후)

\* 기타제품: 10,101kcal/kg(IEA 기준) 적용

\* 정제가스: 12,418kcal/kg(IEA 기준) 적용

\* 기타제품과 정제가스의 열량 환산 기준 단위를 l에서 kg으로 변경함에 따라 각각 6.50bbl/ton, 13.98bbl/ton(한국석유공사 석유류수급통계 기준)을 적용하여 단위를 환산

#### 4) 천연가스

- 아래 변경사항을 반영함에 따라 2019년 이전의 에너지통계연보와 2020년 이후의 에너지통계연보의 2005~2018년 수치 다름.

- LNG 직도입사의 발전용 소비량을 최종에너지 소비량으로 재분류

- 2005년 수치부터 적용

- 현행 에너지밸런스에서는 전력·열에너지 자가생산자의 연료투입량은 해당 업체의 최종에너지 소비로 정의 및 분류

\* 기존: LNG 직도입사의 발전용 소비량을 천연가스의 전환부문 발전에 계상

\* 변경: LNG 직도입사의 발전용 소비량을 천연가스의 최종에너지 업종별 소비에 계상

#### 5) 열에너지

- 아래 변경사항을 반영함에 따라 2017년 이전의 에너지통계연보와 2018년 이후의 에너지통계연보의 1998~2016년 수치 다름.

- 집계 대상 범위 확대

- 1998년 수치부터 적용

\* 기존: 3개 집단에너지사업자(한국지역난방공사, 서울에너지공사, GS파워)의 지역냉·난방 열 생산 및 판매량 자료만 반영

\* 변경: 「집단에너지사업법」(한국에너지공단)의 지역냉·난방부문 열생산 및 판매량을 모두 반영

# 1. 일러두기 Explanatory Notes

## 6) 신재생에너지

- 아래 변경사항을 반영함에 따라 2017년 이전의 에너지통계연보와 2018년 이후의 에너지통계연보의 2011~2016년 수치 다름.
  - 발전 및 최종에너지 소비의 부문별 소비량을 재분류
  - 2011년 수치부터 적용
- 「신에너지 및 재생에너지 개발·이용·보급 촉진법」 개정(2019.10)에 따라 신재생에너지를 “신재생 및 기타”로 표기
  - 2019년 수치부터 적용
  - 법 개정에 따라 비재생 폐기물(석유, 석탄 등 화석연료에 기원한 화학섬유, 인조가죽, 비닐 등으로서 생물 기원이 아닌 폐기물)로부터 생산된 에너지는 신재생에너지에 포함되지 않으나, 2019년 수치는 법 개정 이전과 동일하게 비재생 폐기물을 포함하였으며 따라서 “신재생 및 기타”로 표기

## 다. 단위

- 에너지수급통계에서 사용하는 단위는 고유(물량) 단위와 열량 단위가 있으며, 고유(물량) 단위의 환산은 “2. 단위 및 열량표” 참조
- 열량은 단위는 kcal, toe를 사용하며 참고로 IEA에서는 줄(joule)을 사용하고 있음.
- 1톤(T)은 1메트릭톤(M/T), 1,000kg과 같은 개념이며, 에너지통계의 고유단위로 사용함. 메트릭톤은 미터법상의 1톤과 롱톤(L/T), 숏톤(S/T)의 상대되는 개념임.

## 라. 열량

- 에너지수급통계는 에너지법 시행령 제15조제1항에 따라 정하는 에너지열량환산기준 중 총발열량을 적용하며, IEA 등 일부 국가에서는 목적에 따라 순발열량을 적용하는 경우도 있음.
- 에너지열량환산기준은 1980년 이후 8차에 걸친 개정이 있었으며, 2007년부터는 2006년에 제정된 에너지법에 따라 매 5년마다 작성·공포함(에너지법 시행규칙 제5조 제2항).
- 작성·공표된 시점 이후부터 해당 에너지열량환산기준을 적용하여 통계를 작성(에너지법 시행규칙 제5조 제1항)
- 2007년 이전까지는 일부 에너지원이 추가되는 수준의 열량개정이 이루어져 통계에 큰 영향을 주지 못했으나 2007년 부터는 동일 에너지원이라도 열량차이가 커서 시행 첫년도에는 단층현상 발생
- 따라서 2007년이후 5년 주기의 열량개정에 따라 발생하는 개정 첫년도의 단층현상 완화를 위하여 개선안을 연구 중임.



## 에너지수급통계 작성 Flow



## 2. 단위 및 열량환산표 Unit Conversion Factors

### 가. 부피

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

### 나. 무게

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

### 다. 에너지

Units	J	cal	Btu	kW hr	hp hr	ft-lb(wt)
1 J	1	0.2388853	9.479735×10 <sup>-4</sup>	2.778236×10 <sup>-7</sup>	3.725676×10 <sup>-7</sup>	0.7376839
1 cal	4.186109	1	3.968321×10 <sup>-3</sup>	1.163000×10 <sup>-6</sup>	1.559609×10 <sup>-6</sup>	3.088025
1 Btu	1054.882	251.9958	1	2.930711×10 <sup>-4</sup>	3.930148×10 <sup>-4</sup>	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 <sup>-3</sup>	3.766161×10 <sup>-7</sup>	5.050505...×10 <sup>-7</sup>	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	$\mu$	$10^{-6}$
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

자료: BP Statistical Review of World Energy

## 2. 단위 및 열량환산표 Unit Conversion Factors

### 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

자료 : BP.com

### 3. 에너지 열량 환산기준 Energy Conversion Factors

가. 8차 에너지열량 환산기준(2022년 1월 통계부터 적용)

2022년 11월 21일 개정(2022년 1월부터 적용)

에너지원		단위	총발열량			순발열량		
			MJ	kcal	석유환산톤 (10 <sup>-3</sup> toe)	MJ	kcal	석유환산톤 (10 <sup>-3</sup> toe)
석유 (17종)	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
	납사	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 10<sup>7</sup>kcal를 말한다.  
 4) 석탄의 발열량은 인수식을 기준으로 한다.  
 5) 최종에너지사용자가 사용하는 전기에너지를 열에너지로 환산할 경우에는 1kWh=860kcal를 적용한다.  
 6) 1cal=4.1868J, 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.

### 3. 에너지 열량 환산기준 Energy Conversion Factors

나. 총발열량 추이 Trend of Gross Calorific Value

에너지원		단위	총발열량(kcal)								'17년 대비 열량 증감
			1980	1981	1987	1990	2007	2012	2017	2022	
석유 (17종)	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
	납사	ℓ	8,000	8,000	8,000	8,000	8,050	7,710	7,710	7,700	↓ 10
	용제	ℓ	-	-	-	(8,200)	7,950	7,950	7,830	7,830	-
	항공유(JA-1)	ℓ	-	8,700	8,700	8,700	8,750	8,730	8,720	8,720	-
	항공유(JP-4)	ℓ	-	8,500	8,500	8,500					
	항공유(AVI-G)	ℓ	-	8,700	8,700	8,700					
	아스팔트	kg	-	-	-	(10,000)	9,900	9,910	9,890	9,880	↓ 10
	윤활유	ℓ	-	-	-	(9,400)	9,250	9,500	9,550	9,450	↓ 100
	석유코크스	kg	-	-	-	(10,800)	8,100	8,000	8,360	8,330	↓ 30
	부생연료유1호	ℓ	-	-	-	-	8,850	8,800	8,860	8,900	↑ 40
	부생연료유2호	ℓ	-	-	-	-	9,700	9,550	9,530	9,530	-
가스 (3종)	액화천연가스(LNG)	kg	-	9,500	12,980	13,000	13,000	13,040	13,060	13,080	↑ 20
	도시가스(LNG)	Nm³	7,000	7,000	7,000	10,500	10,550	10,430	10,290	10,190	↓ 100
	도시가스(LPG)	Nm³	-	-	-	15,000	15,000	15,000	15,190	15,150	↓ 40
석탄 (7종)	국내 무연탄	kg	4,600	4,600	4,500	4,500	4,650	4,500	4,730	4,710	↓ 20
	연료용 수입 무연탄	kg	-	-	-	6,000	6,550	5,020	5,060	5,500	↑ 440
	원료용 수입 무연탄	kg						5,900	6,020	6,170	↑ 150
	연료용 유연탄(역청탄)	kg	6,600	6,600	6,600	6,600	6,200	6,160	5,920	5,860	↓ 60
	원료용 유연탄(역청탄)	kg					7,000	7,000	6,970	7,030	↑ 60
	아역청탄	kg	-	-	-	-	5,350	5,420	5,110	4,920	↓ 190
	코크스	kg	6,500	6,500	6,500	6,500	7,050	6,960	6,930	6,840	↓ 90
전기 등 (3종)	전기(발전기준)	kWh	2,500	2,500	2,500	2,500	2,150	2,110	2,130	2,130	-
	전기(소비기준)	kWh	-	-	-	-	-	2,300	2,290	2,290	-
	신탄	kg	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500	-

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6-4. 인천광역시 Incheon City

6-5. 광주광역시 Gwangju City

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6-7. 울산광역시 Ulsan City

6-8. 세종특별자치시 Sejong City

6-9. 경기도 Gyeonggi-do

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6-14. 전라남도 Jeollanam-do

6-15. 경상북도 Gyeongsangbuk-do

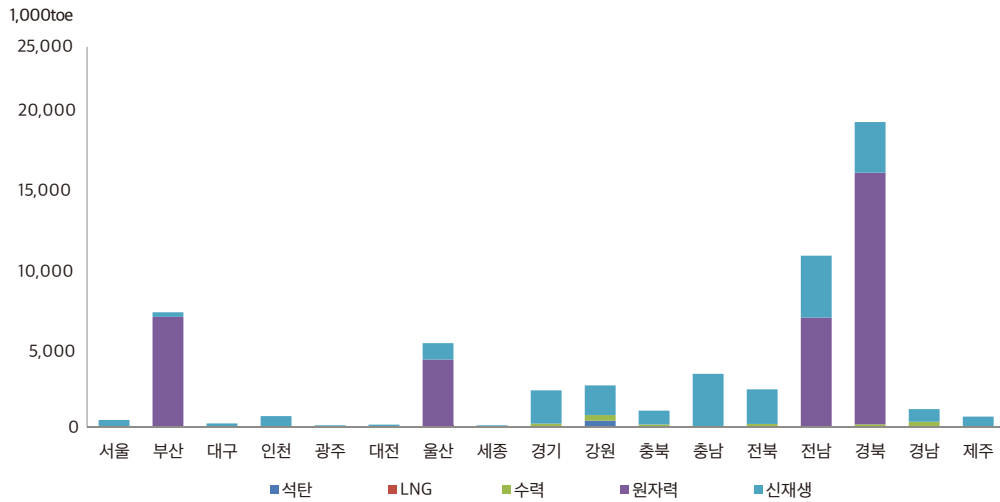
6-16. 경상남도 Gyeongsangnam-do

6-17. 제주도 Jeju-do

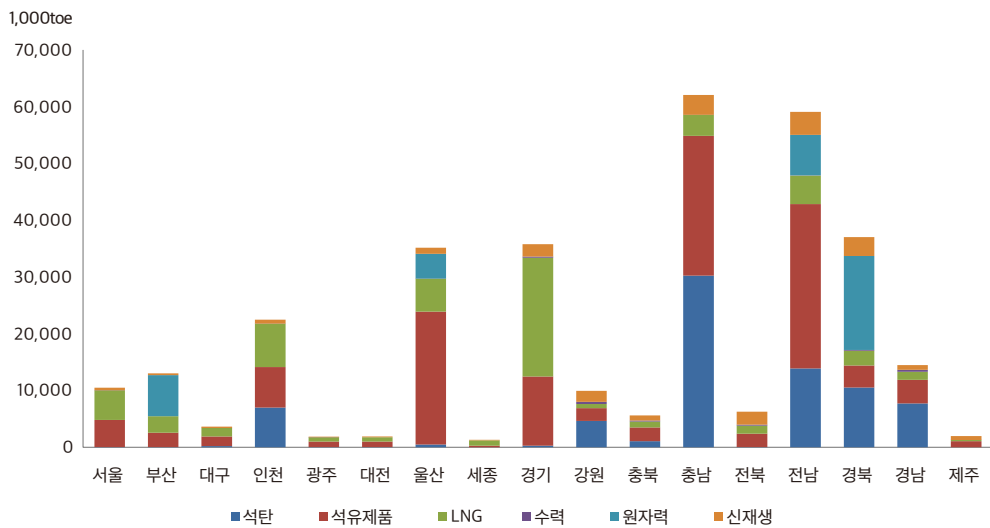




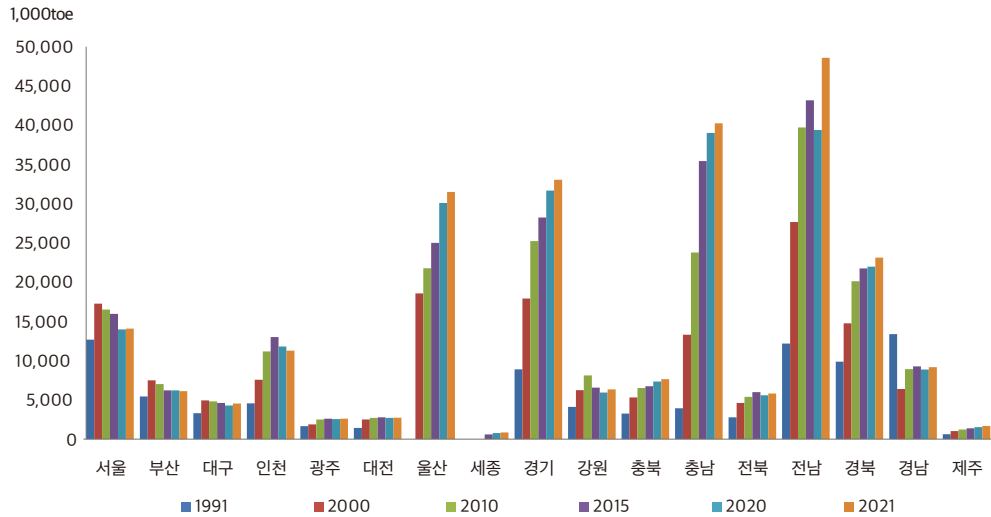
## 1 1차 에너지 생산 Primary Energy Production



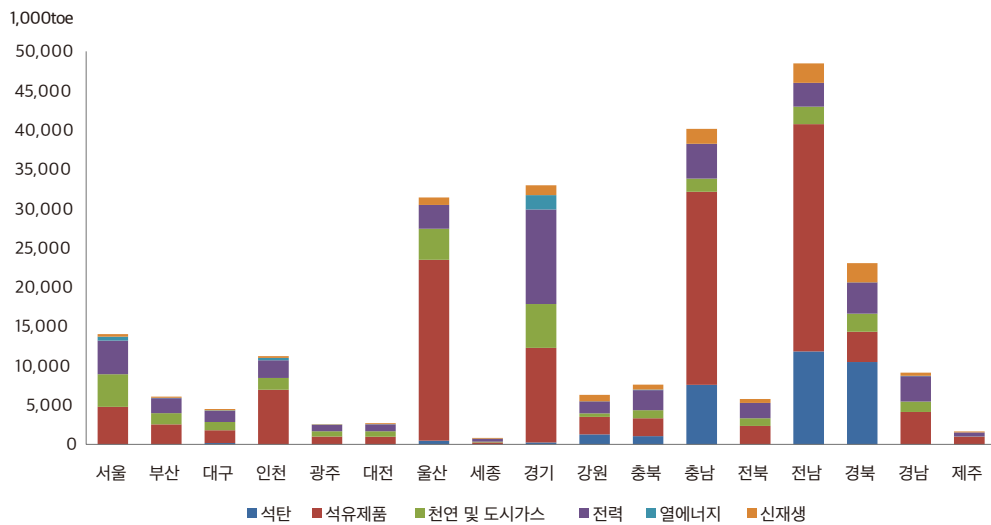
## 2 1차 에너지 공급 Primary Energy Supply



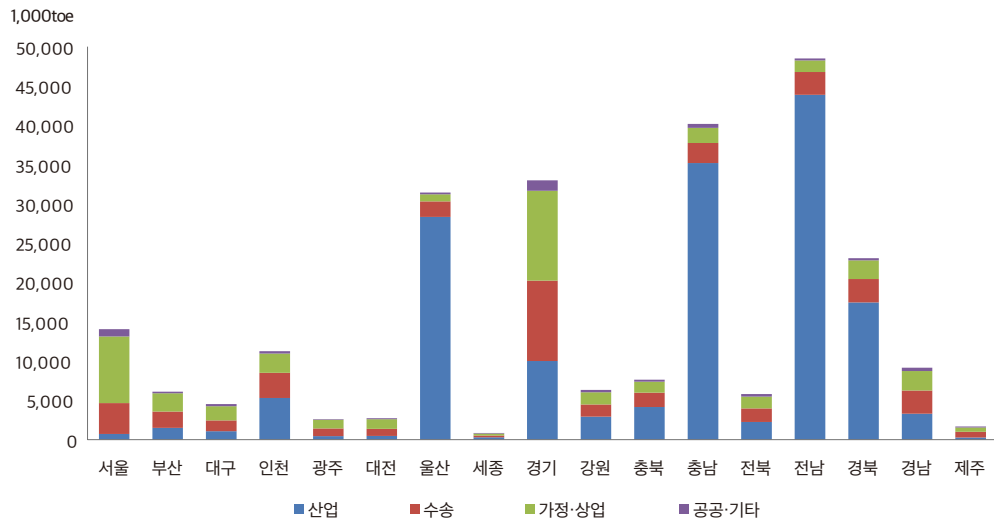
### 3 최종에너지 소비 Final Energy Consumption



### 4 최종에너지 원별 소비 Final Energy Consumption by Source

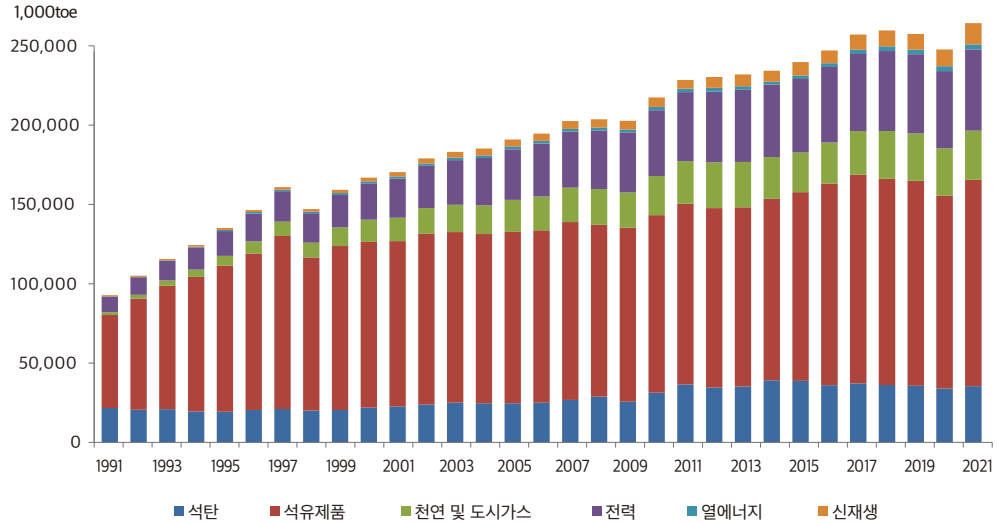


### 5 최종에너지 부문별 소비 Final Energy Consumption by Sector

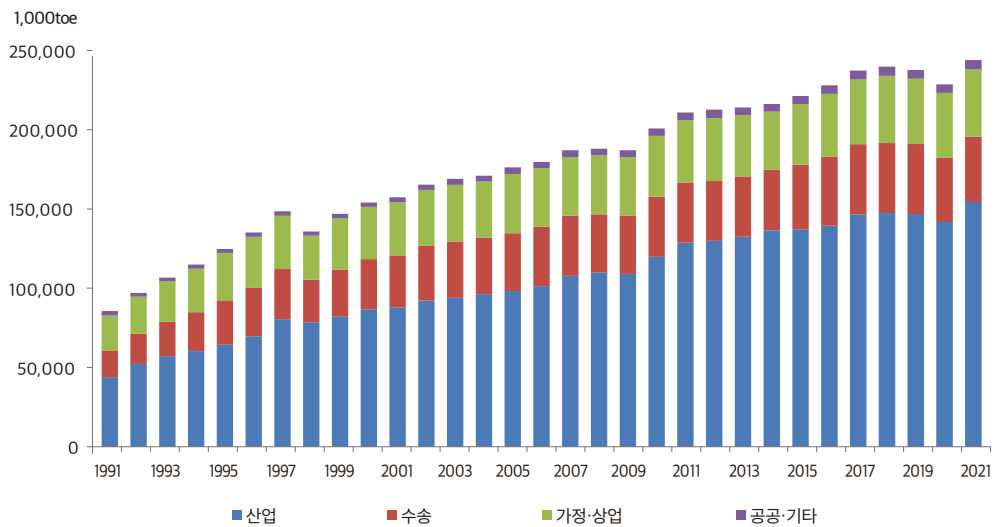


## 6 최종에너지 연도별 소비 Final Energy Consumption by Year

### 가. 원별 에너지 소비

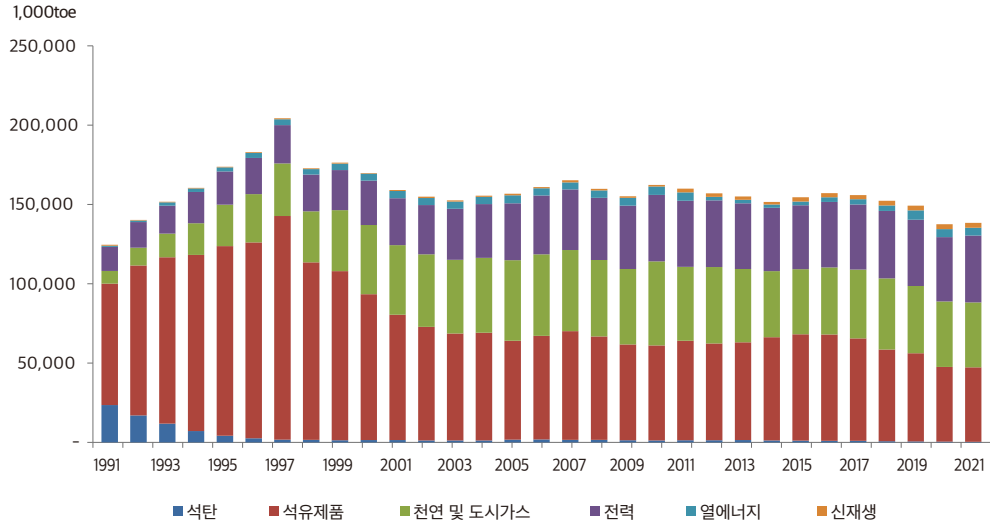


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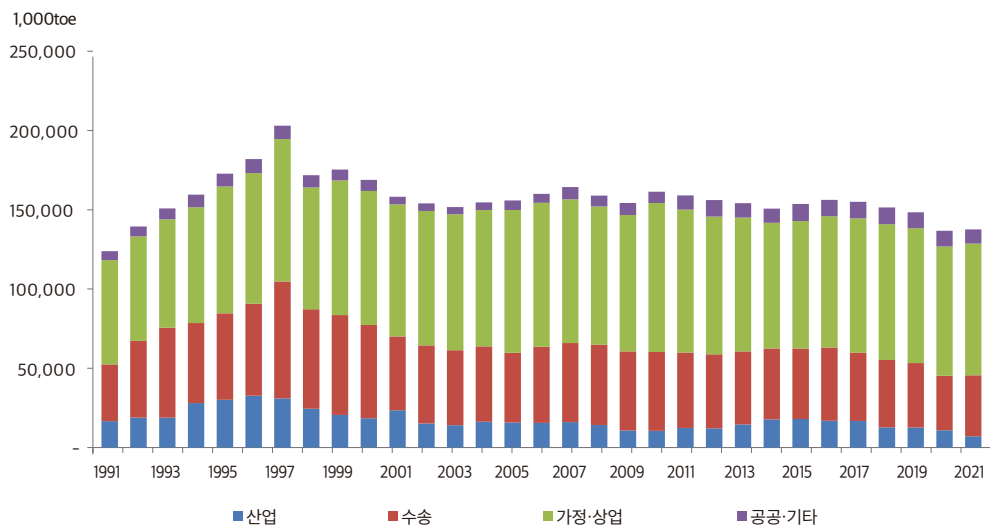


## 6-1 서울특별시 Seoul City

### 가. 원별 에너지 소비

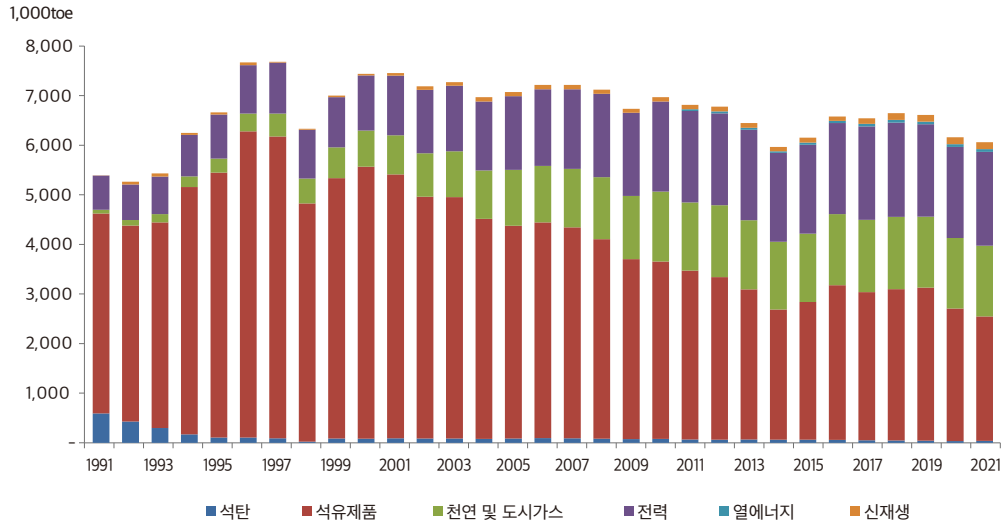


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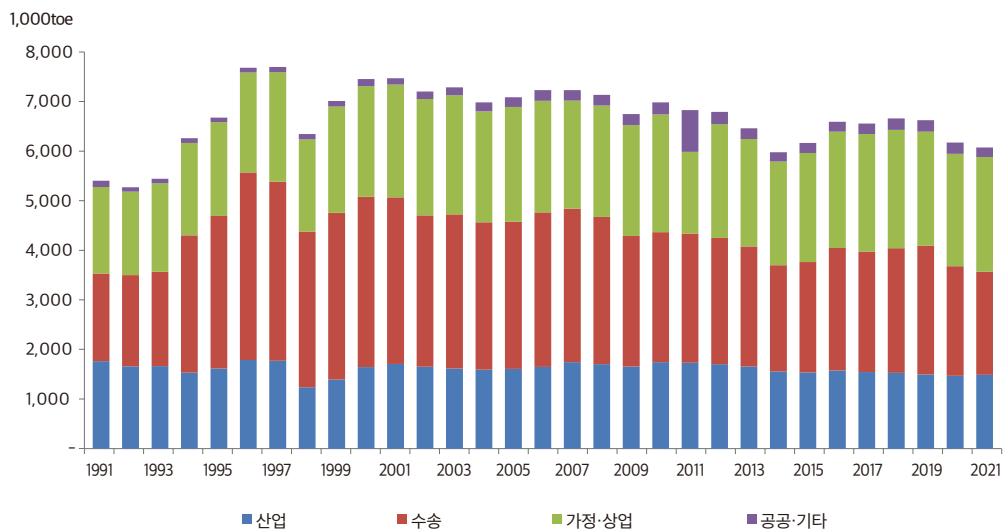


## 6-2 부산광역시 Busan City

## 가. 원별 에너지 소비

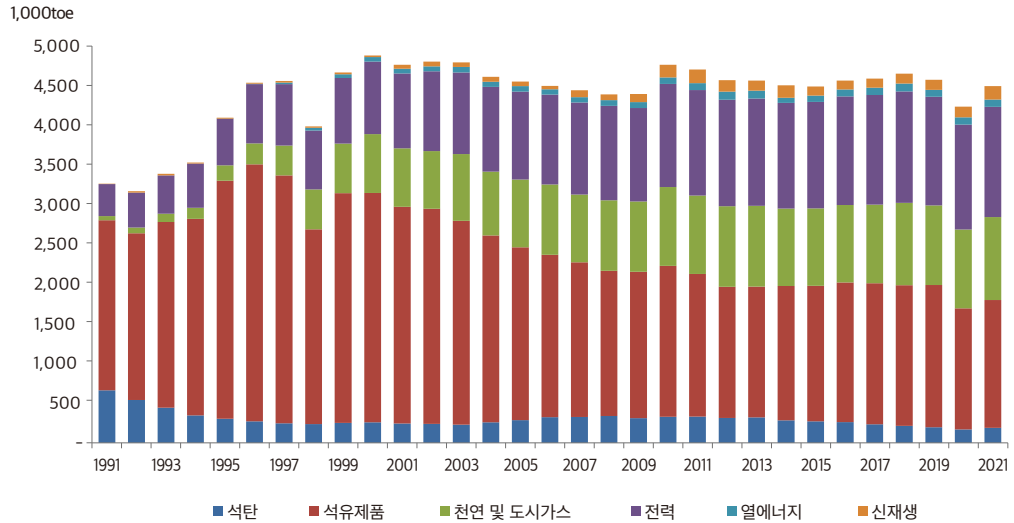


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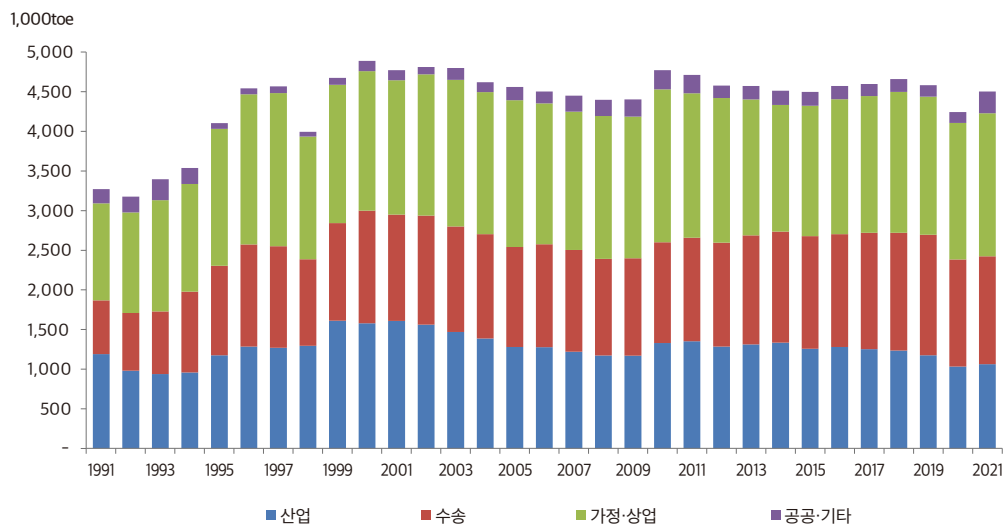


### 6-3 대구광역시 Daegu City

#### 가. 원별 에너지 소비

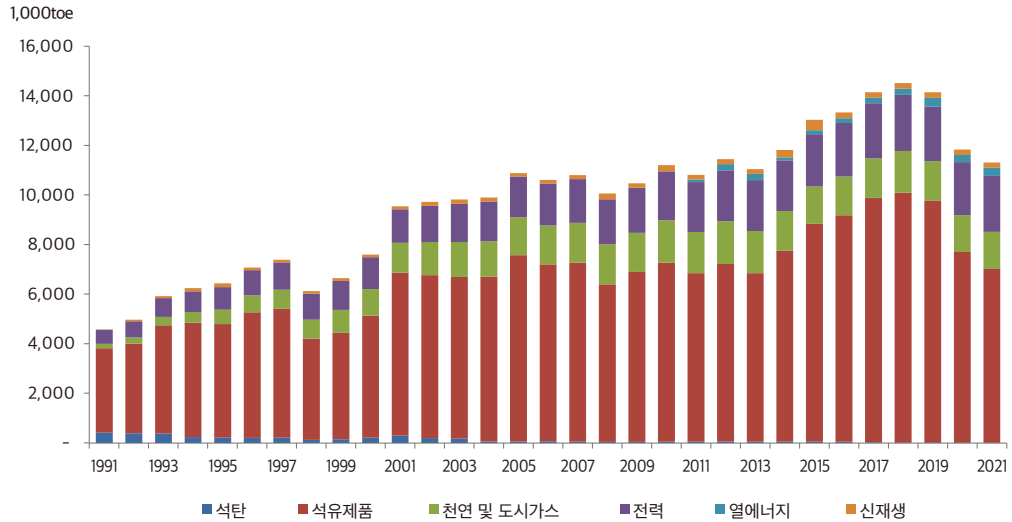


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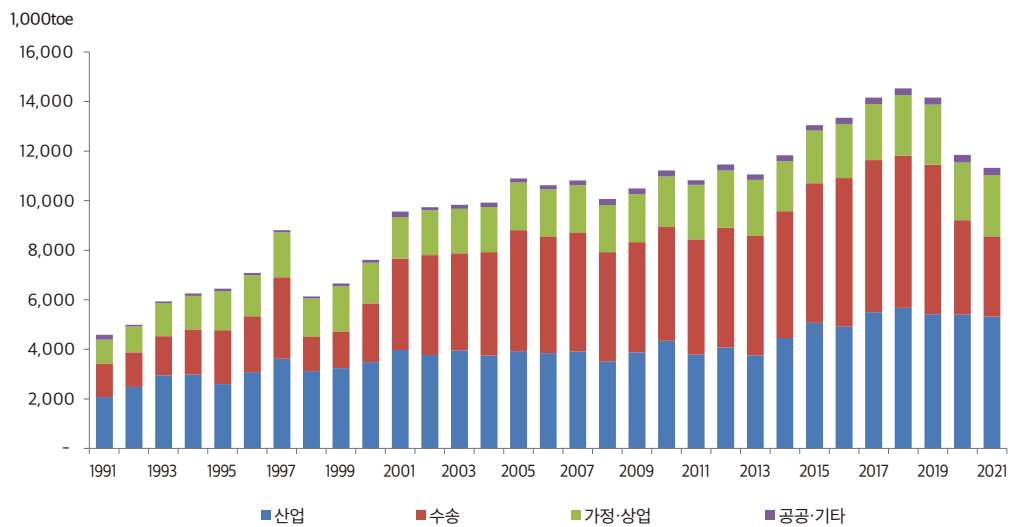


## 6-4 인천광역시 Incheon City

## 가. 원별 에너지 소비



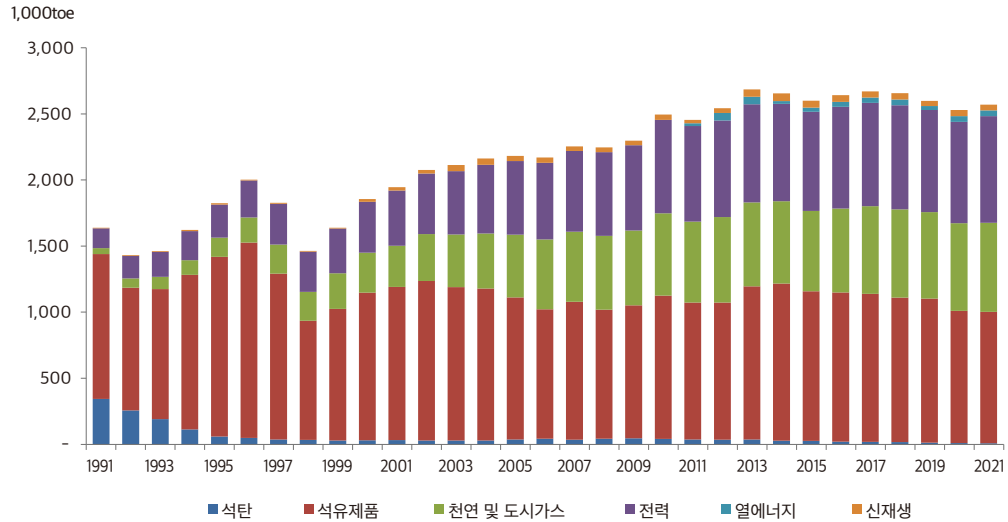
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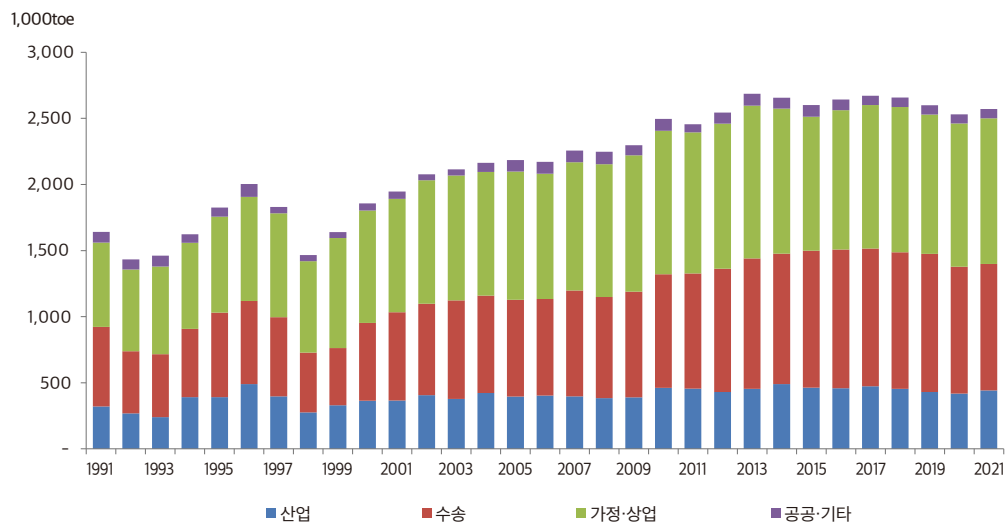


## 6-5 광주광역시 Gwangju City

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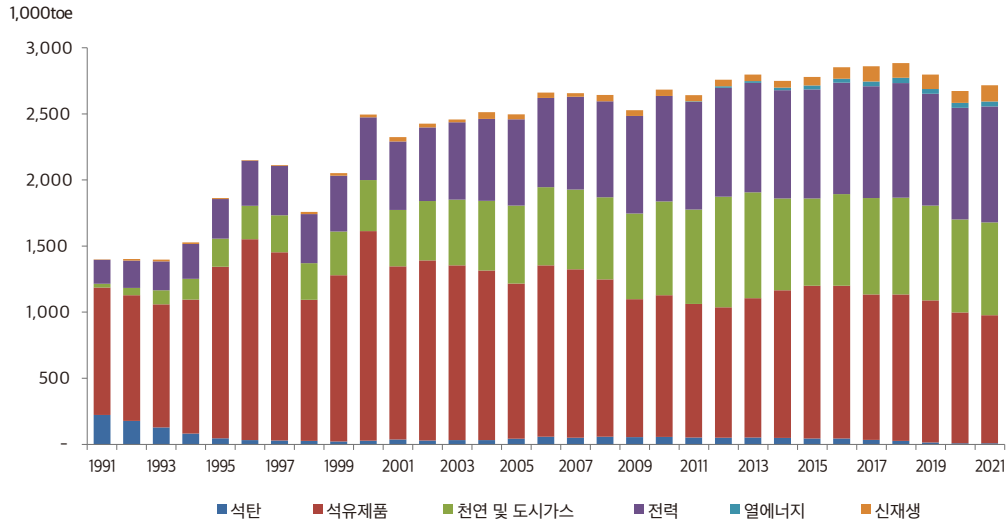


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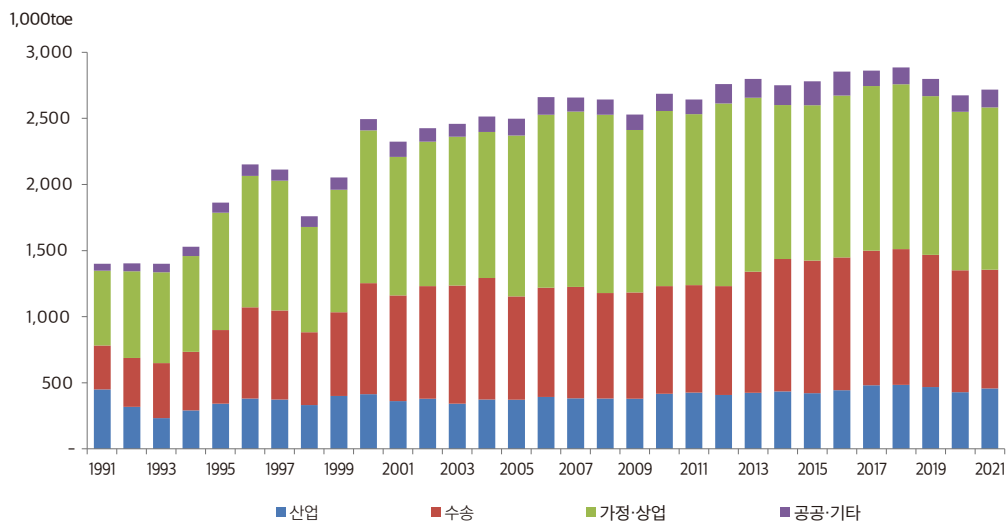


## 6-6 대전광역시 Daejeon City

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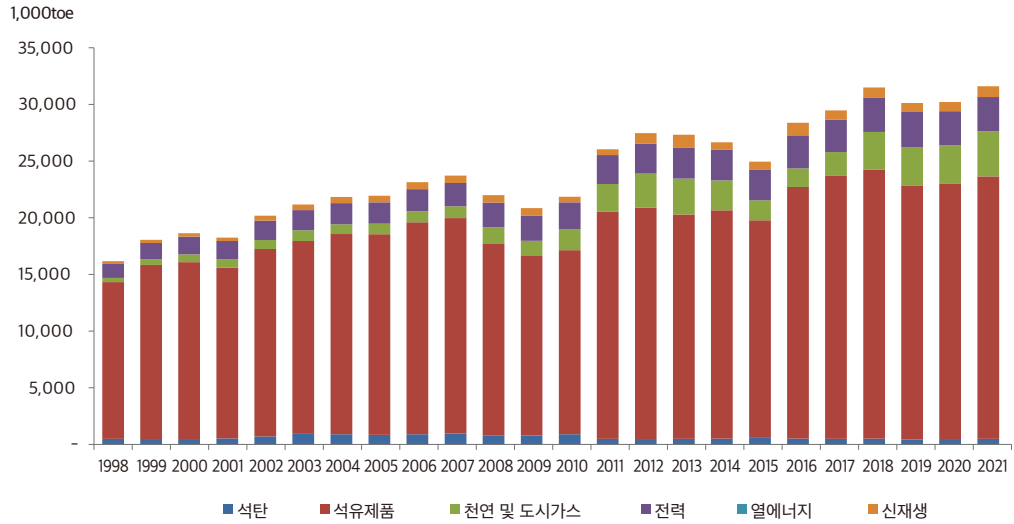


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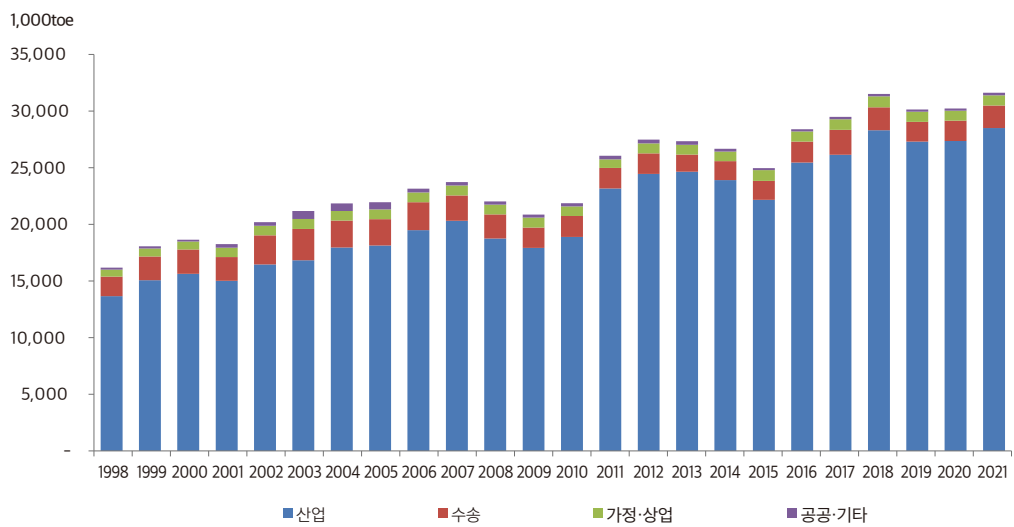


## 6-7 울산광역시 Ulsan City

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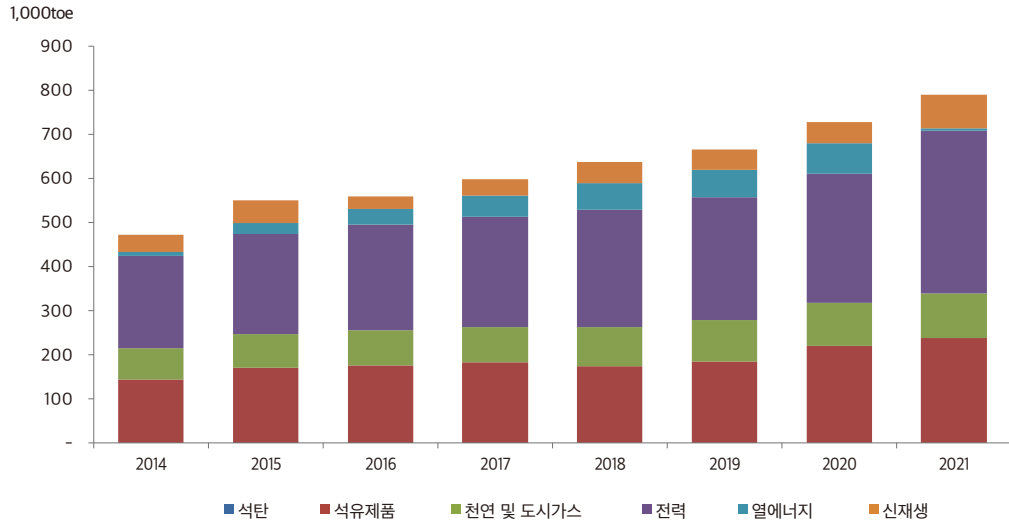


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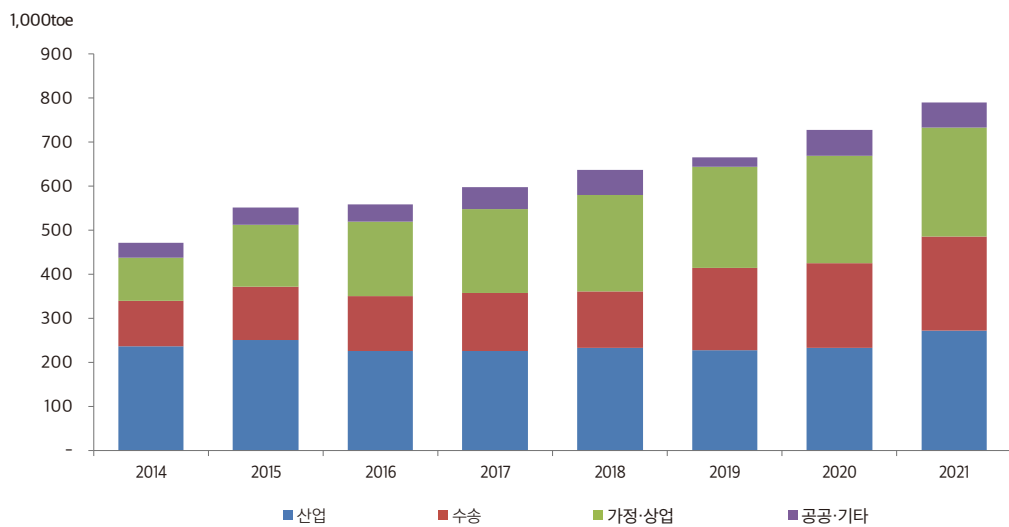


## 6-8 세종특별자치시 Sejong City

### 가. 원별 에너지 소비

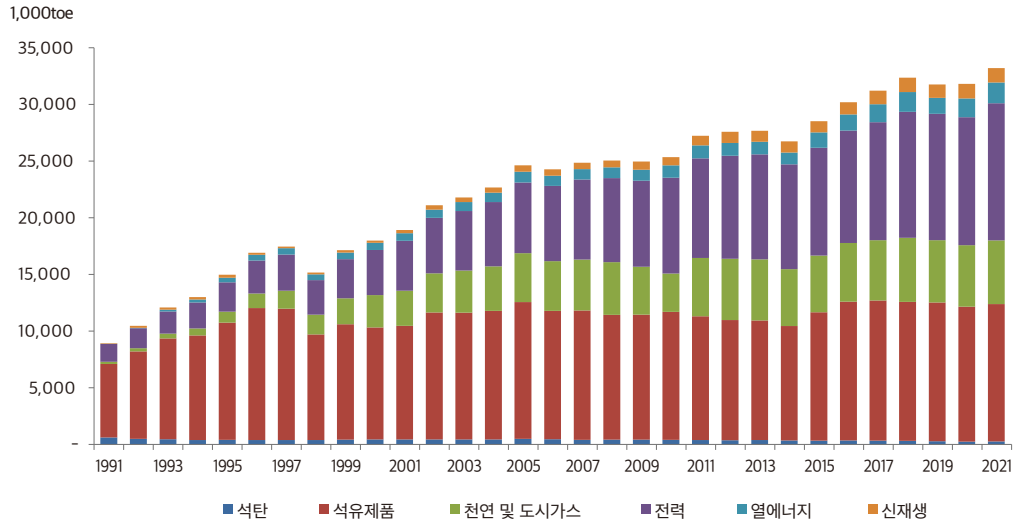


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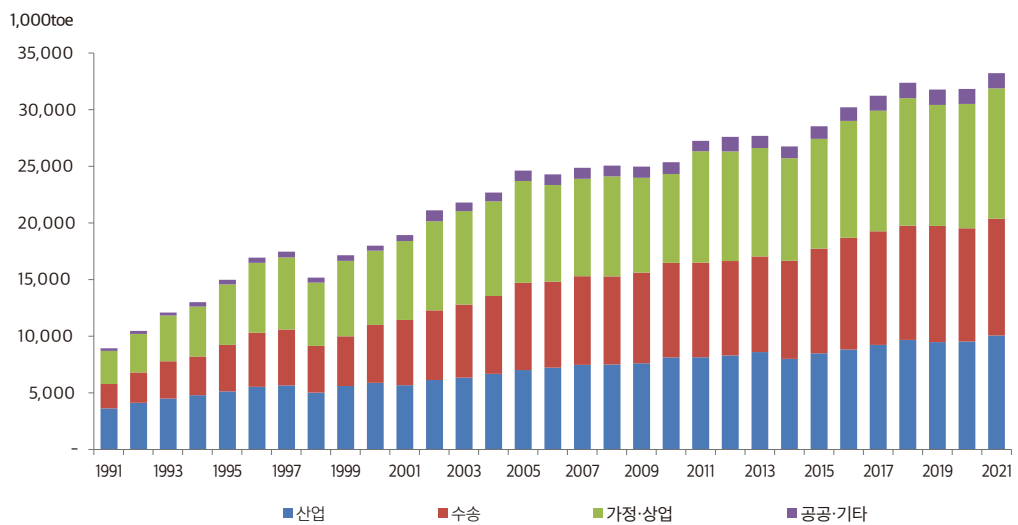


## 6-9 경기도 Gyeonggi-do

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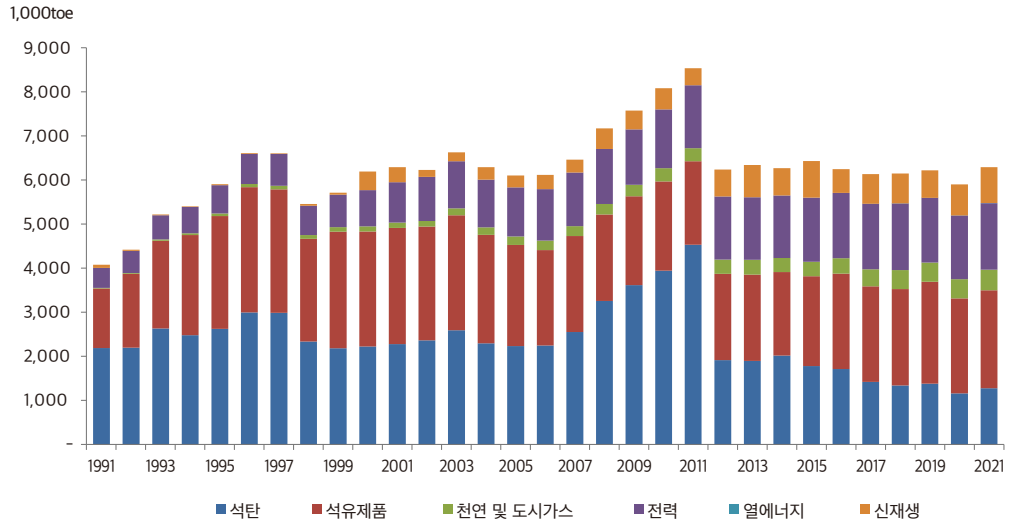


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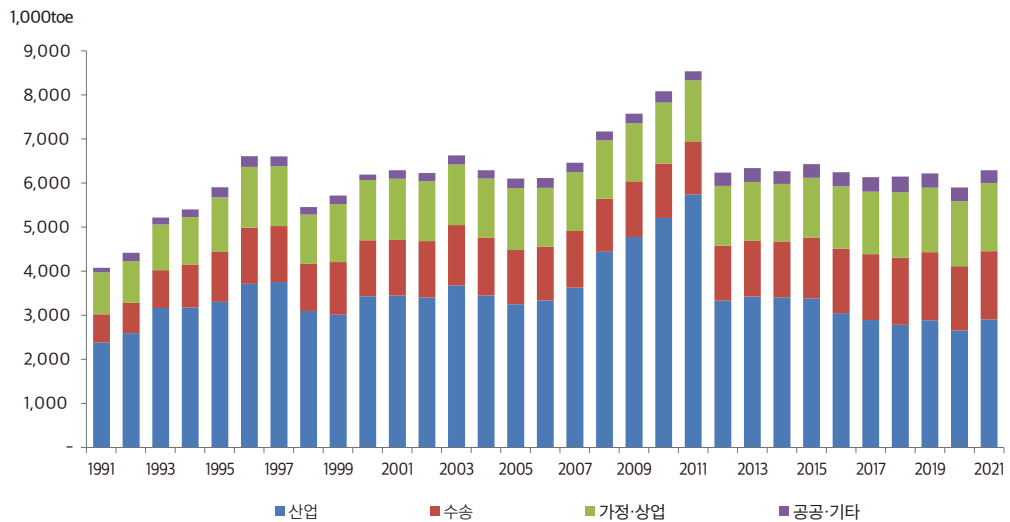


## 6-10 강원도 Gangwon-do

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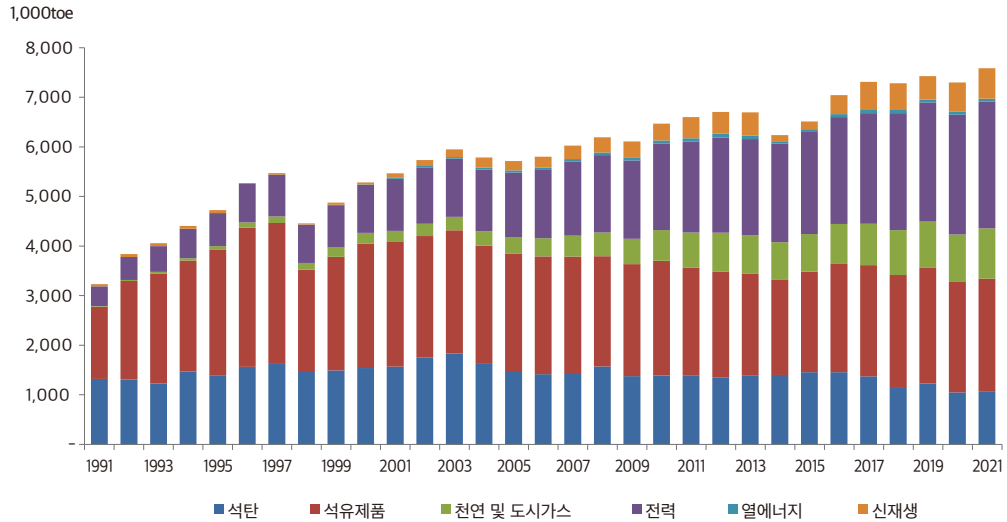


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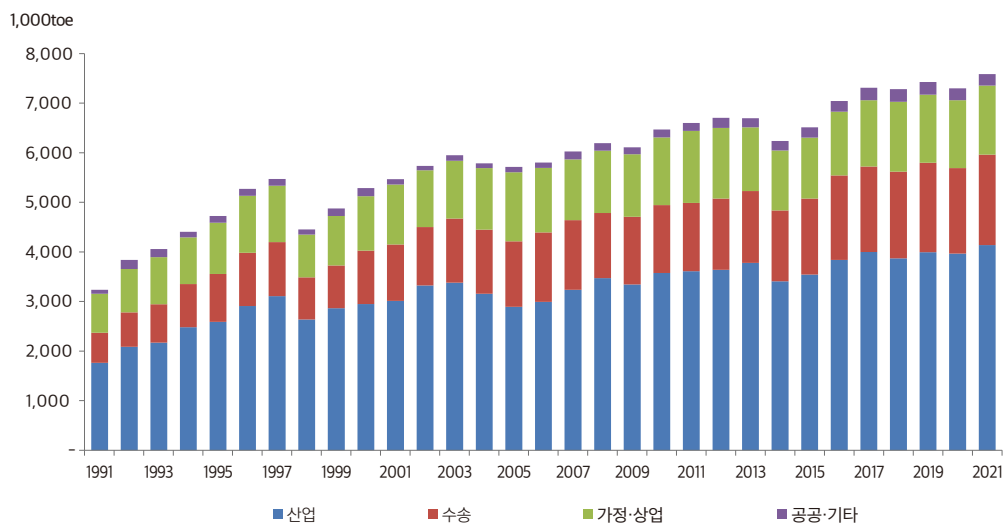


## 6-11 충청북도 Chungcheongbuk-do

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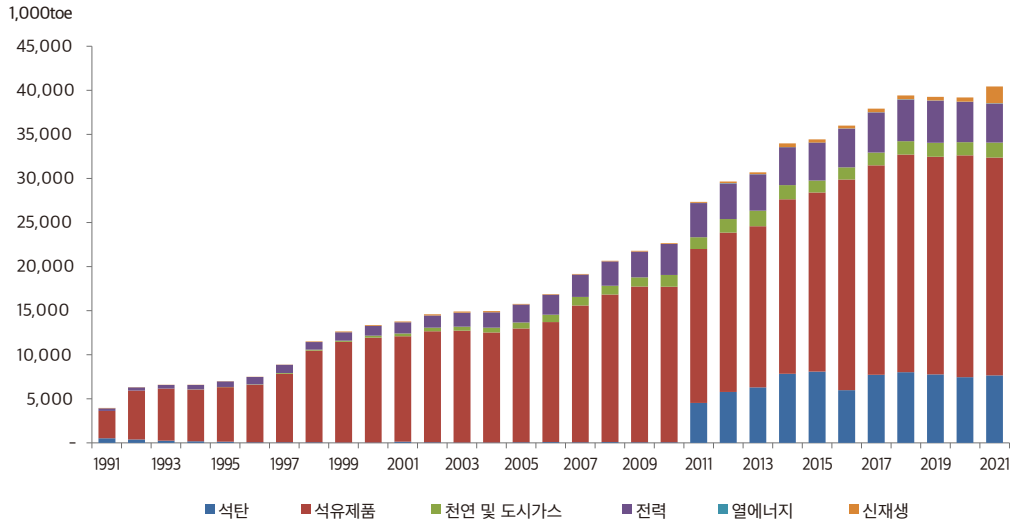


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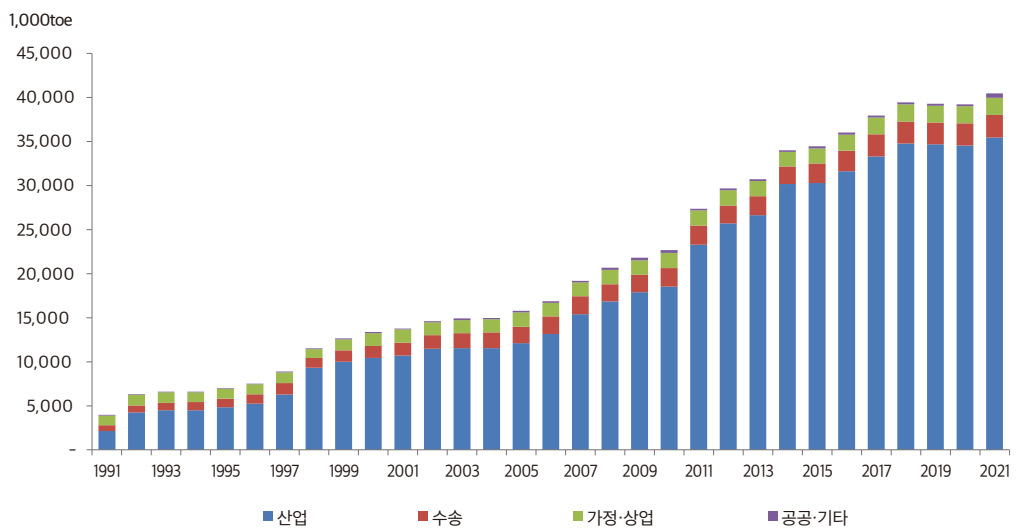


## 6-12 충청남도 Chungcheongnam-do

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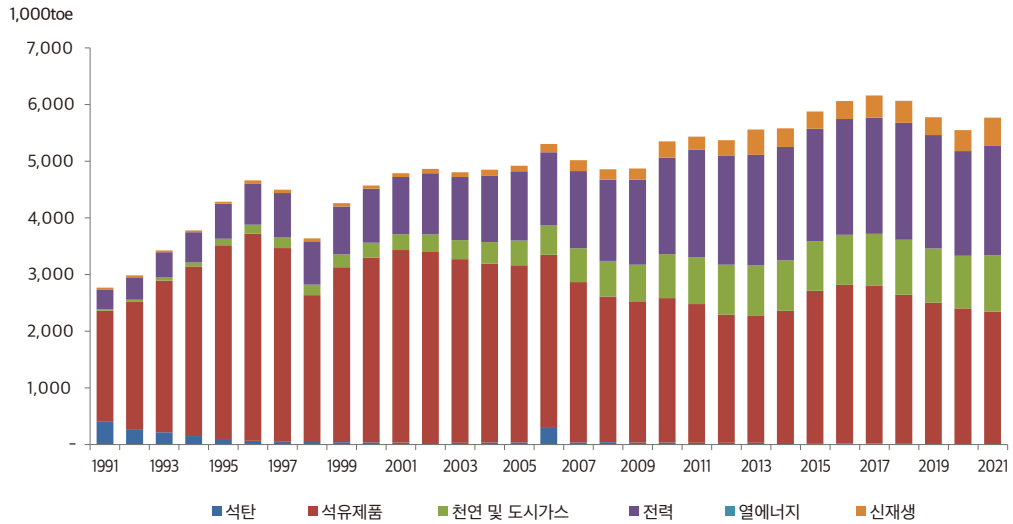
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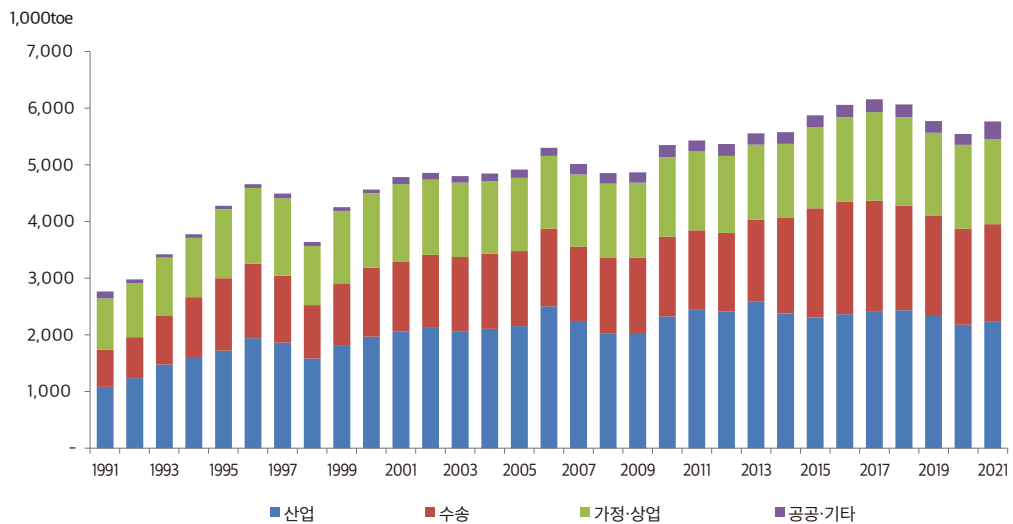


### 6-13 전라북도 Jeollabuk-do

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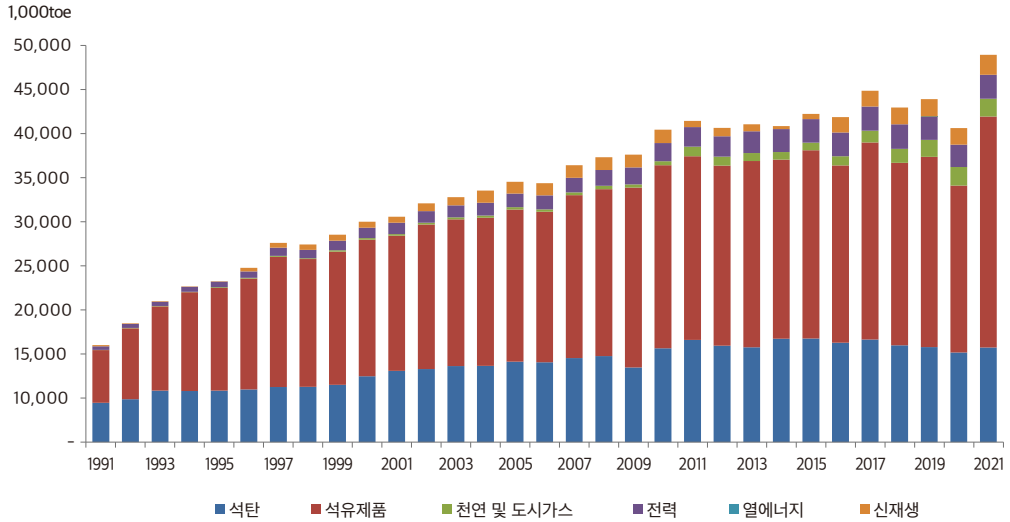


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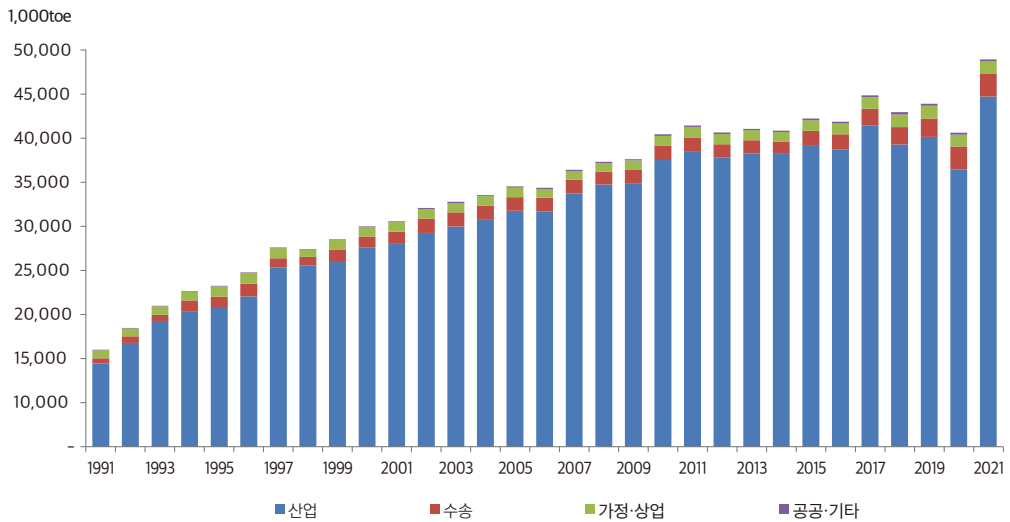


## 6-14 전라남도 Jeollanam-do

### 가. 원별 에너지 소비

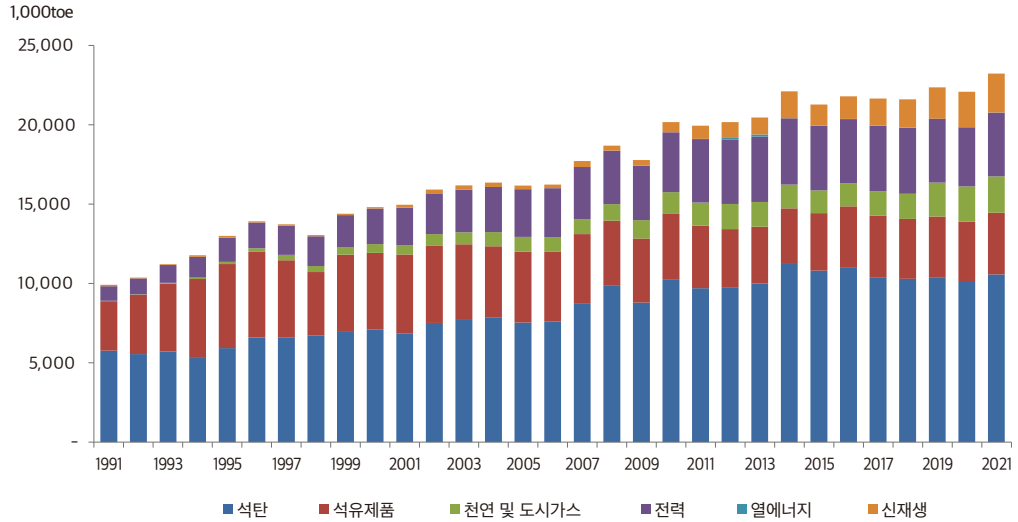


### 나. 부문별 에너지 소비

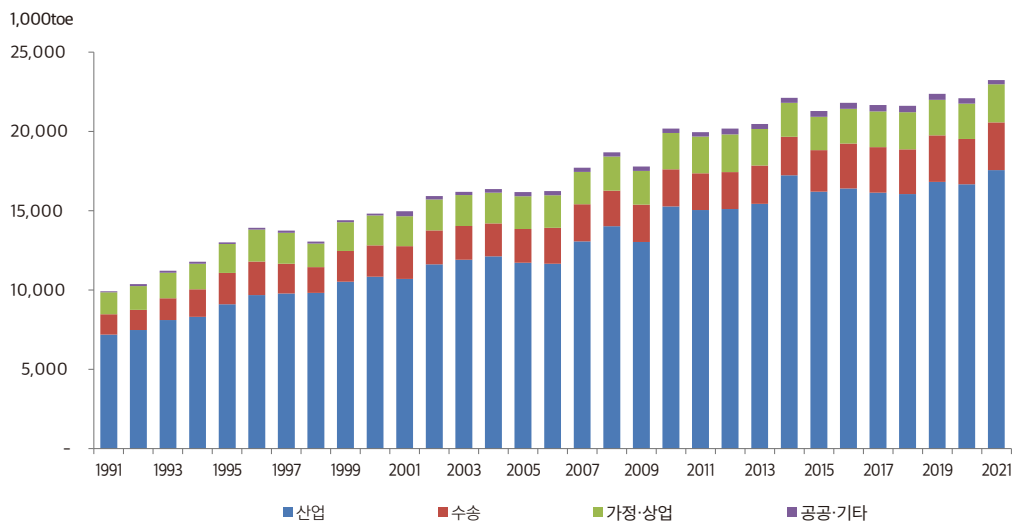


# 6-15 경상북도 Gyeongsangbuk-do

## 가. 원별 에너지 소비

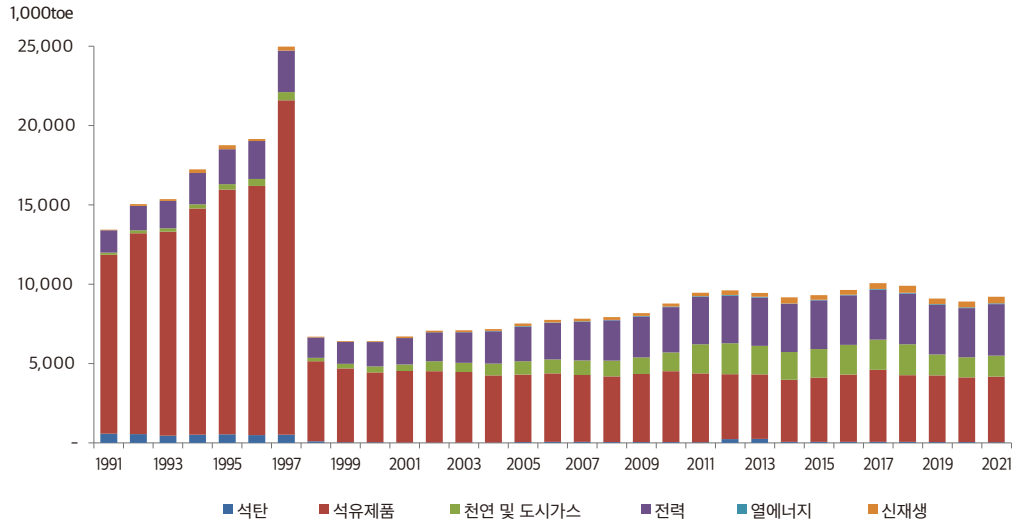


## 나. 부문별 에너지 소비

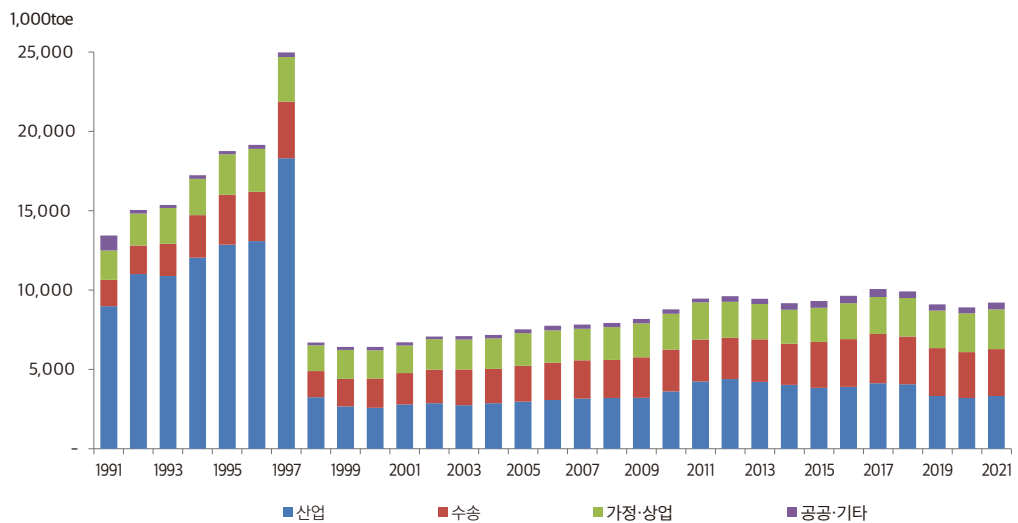


## 6-16 경상남도 Gyeongsangnam-do

### 가. 원별 에너지 소비

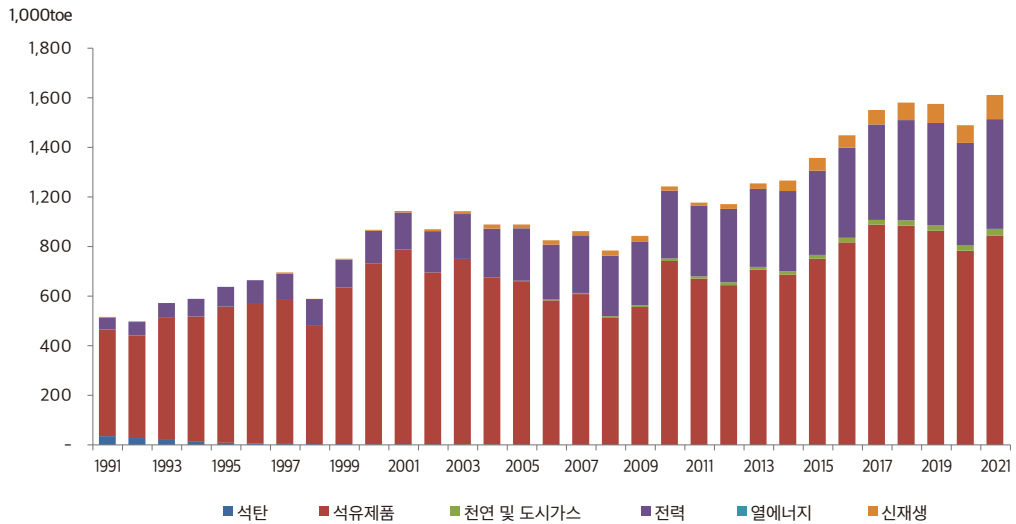


### 나. 부문별 에너지 소비

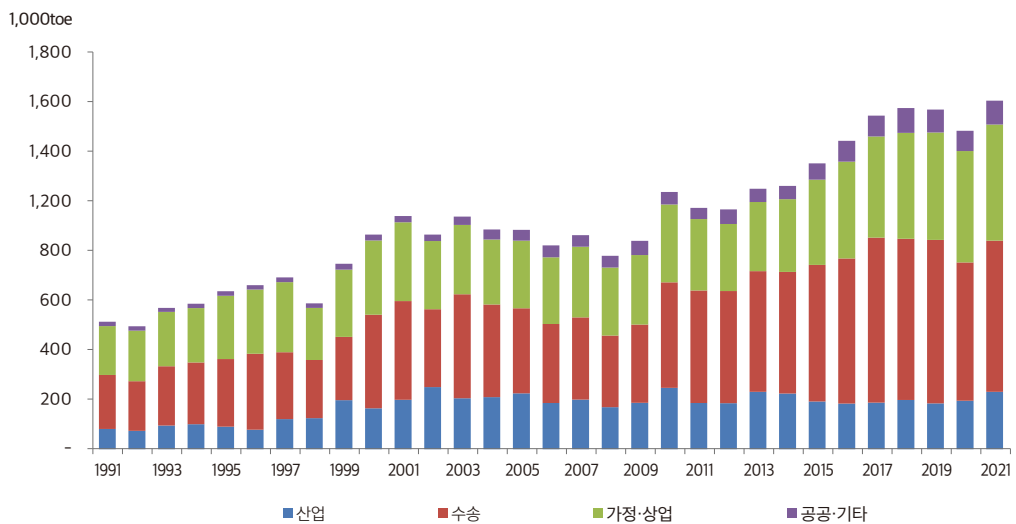


## 6-17 제주도 Jeju-do

### 가. 원별 에너지 소비



### 나. 부문별 에너지 소비







## 1. 에너지 개요

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##### 7-3. 부문별 도시가스 소비 City Gas Consumption by Sector

##### 7-4. 부문별 전력 소비 Electricity Consumption by Sector

##### 7-5. 부문별 열에너지 소비 Heat Energy Consumption by Sector

##### 7-6. 산업부문 에너지 소비 Energy Consumption of Industry

##### 7-7. 수송부문 에너지 소비 Energy Consumption of Transportation

##### 7-8. 가정·상업부문 에너지 소비 Energy Consumption of Residential & Commercial Sector

##### 7-9. 공공부문 에너지 소비 Energy Consumption of Public service

## 1. 주요 에너지 지표

	1차에너지		최종에너지		최종 에너지원별 구성비 Consumption of Final Energy					
	TPES <sup>1</sup>	증가율 Growth Rate	TFEC <sup>2</sup>	증가율 Growth Rate	석탄 Coal	석유제품 Petroleum	가 스 Gas	전 력 Electricity	열에너지 Heat	신재생 및 기타 <sup>3</sup> Renewables & Others <sup>3</sup>
1996	165,136	10.2	131,573	8.3	14.0	67.3	5.3	11.9	0.6	0.9
1997	181,058	9.6	144,541	9.9	13.1	67.8	5.6	11.9	0.6	0.9
1998	166,265	-8.2	132,177	-8.6	13.6	65.6	6.4	12.6	0.7	1.2
1999	181,651	9.3	143,027	8.2	12.8	65.0	7.4	12.9	0.7	1.3
2000	193,240	6.4	149,958	4.8	13.1	62.6	8.4	13.7	0.8	1.4
2001	198,865	2.9	153,103	2.1	13.3	61.1	8.7	14.5	0.8	1.6
2002	209,290	5.2	160,876	5.1	13.4	60.1	9.1	14.9	0.8	1.8
2003	215,772	3.1	164,550	2.3	13.6	58.7	9.4	15.3	0.9	2.0
2004	220,756	2.3	166,452	1.2	13.3	57.6	9.7	16.1	0.9	2.4
2005	229,667	4.0	171,543	3.1	12.9	56.6	10.6	16.7	1.0	2.3
2006	234,062	1.9	174,873	1.9	12.8	55.8	10.9	17.1	0.9	2.3
2007	236,486	1.0	182,015	4.1	13.2	55.3	10.7	17.4	0.9	2.5
2008	240,994	1.9	183,054	0.6	14.1	53.2	11.1	18.1	0.9	2.6
2009	243,500	1.0	182,080	-0.5	12.6	54.1	11.0	18.6	0.9	2.7
2010	264,053	8.4	195,401	7.3	14.4	51.4	11.3	19.1	1.0	2.7
2011	276,997	4.9	205,239	5.0	16.0	49.8	11.8	19.1	1.0	2.4
2012	278,325	0.5	206,968	0.8	15.0	49.1	12.5	19.4	1.0	3.0
2013	279,623	0.5	208,362	0.7	15.2	48.7	12.3	19.6	1.0	3.2
2014	282,423	1.0	210,448	1.0	16.7	48.8	11.3	19.5	0.7	2.9
2015	286,921	1.6	215,389	2.3	16.2	49.6	10.5	19.3	0.9	3.5
2016	293,778	2.4	221,936	3.0	14.6	51.5	10.5	19.3	1.0	3.2
2017	302,490	3.0	231,023	4.1	14.4	51.2	10.7	18.9	1.1	3.7
2018	307,557	1.7	233,368	1.0	13.9	50.1	11.6	19.4	1.1	3.9
2019	303,092	-1.5	231,353	-0.9	13.9	50.2	11.6	19.3	1.1	3.9
2020	292,076	-3.6	222,563	-3.8	13.7	49.1	12.0	19.7	1.2	4.3
2021	307,312	5.2	237,360	6.7	13.4	49.3	11.7	19.3	1.2	5.1
서울	9,994	0.6	13,405	0.7	0.2	33.9	29.7	30.4	3.6	2.3
부산	12,409	-1.9	5,811	-1.7	0.6	41.4	23.6	31.2	0.9	2.3
대구	3,453	6.4	4,312	6.1	4.1	35.9	23.3	30.9	2.1	3.8
인천	21,447	0.7	10,734	-4.4	0.0	62.0	13.2	20.0	2.9	1.9
광주	1,772	0.3	2,460	1.7	0.3	38.7	26.2	31.4	1.7	1.7
대전	1,803	-2.6	2,599	1.6	0.3	35.7	25.8	32.3	1.4	4.5
울산	33,548	4.8	30,015	4.6	1.5	73.3	12.6	9.6	-	3.0
세종	1,247	19.2	790	8.5	-	30.0	12.8	46.9	0.6	9.7
경기	34,139	9.3	31,501	4.4	0.8	36.5	16.9	36.5	5.5	3.8
강원	9,464	7.9	6,018	6.6	20.2	35.4	7.4	24.1	0.0	12.9
충북	5,339	1.8	7,262	4.0	14.0	30.1	13.4	33.7	0.8	8.1
충남	59,209	0.8	38,348	3.2	18.9	61.1	4.2	11.0	0.1	4.7
전북	5,971	8.8	5,520	4.0	0.1	40.6	17.2	33.5	-	8.6
전남	56,383	18.3	46,308	23.4	24.4	59.6	4.6	6.2	-	5.1
경북	35,313	-0.5	22,029	5.2	45.5	16.7	9.9	17.3	0.0	10.6
경남	13,792	0.6	8,729	3.3	0.4	45.0	14.4	35.3	0.6	4.4
제주	1,872	2.0	1,581	9.5	-	59.8	1.9	31.4	-	6.9

1. TPES: Total Primary Energy Supply

2. TFEC: Total Final Energy Consumption

3. 「신에너지 및 재생에너지 개발·이용·보급 촉진법」 개정(2019.10)에 따라 신재생에너지를 “신재생 및 기타”로 표기

4. GRDP는 2015년 연쇄가격 기준

주 1. 전국은 기타지역 포함

2. 2014년 이전 세종은 충남에 포함



## 1. Major Energy Indicators

1인당 최종에너지소비 TFEC per capita	1인당 석유소비 Petroleum consumption per capita	1인당 전력소비 Electricity consumption per capita	전력자립도 (생산/소비) Electricity Self-sufficiency (Production / Consumption)	GRDP <sup>1</sup> 당 1차에너지 TPES/GRDP <sup>4</sup>	GRDP <sup>1</sup> 당 최종에너지소비 TFEC/GRDP <sup>4</sup>	
toe/인	bbl/인	kWh/인	%	toe/백만원		
2.89	15.84	4,008	112.62	0.224	0.178	1996
3.15	17.28	4,369	111.78	0.231	0.184	1997
2.86	14.48	4,180	111.28	0.224	0.178	1998
3.07	15.44	4,595	111.72	0.219	0.173	1999
3.19	15.80	5,096	111.22	0.214	0.166	2000
3.23	15.70	5,441	110.67	0.210	0.162	2001
3.38	16.02	5,844	110.06	0.205	0.158	2002
3.44	15.94	6,130	109.83	0.205	0.156	2003
3.46	15.66	6,491	109.63	0.199	0.150	2004
3.56	15.81	6,899	109.69	0.199	0.149	2005
3.61	15.83	7,199	109.31	0.192	0.144	2006
3.74	16.36	7,571	109.36	0.184	0.141	2007
3.73	15.54	7,850	109.68	0.182	0.138	2008
3.69	15.83	8,000	109.92	0.182	0.136	2009
3.94	16.08	8,761	109.33	0.185	0.137	2010
4.11	16.05	9,113	109.19	0.187	0.139	2011
4.12	16.44	9,295	109.21	0.184	0.137	2012
4.13	16.29	9,416	108.91	0.179	0.133	2013
4.15	16.12	9,411	109.29	0.175	0.130	2014
4.22	16.72	9,481	109.19	0.173	0.130	2015
4.33	17.98	9,704	108.73	0.172	0.130	2016
4.50	18.30	9,886	109.02	0.172	0.131	2017
4.52	18.06	10,195	108.46	0.170	0.129	2018
4.47	17.93	10,066	108.17	0.164	0.125	2019
4.30	16.85	9,835	108.42	0.158	0.120	2020
4.59	18.05	10,309	108.13	0.160	0.124	2021
1.41	3.66	4,987	11.28	0.023	0.031	Seoul
1.75	5.44	6,343	191.21	0.141	0.066	Busan
1.81	5.18	6,484	18.16	0.062	0.077	Daegu
3.65	18.13	8,477	242.70	0.238	0.119	Incheon
1.67	5.01	6,119	7.17	0.043	0.060	Gwangju
1.76	4.84	6,604	1.87	0.043	0.061	Daejeon
26.71	161.20	29,902	93.76	0.482	0.431	Ulsan
2.16	4.96	11,755	87.74	0.100	0.063	Sejong
2.31	6.52	9,817	61.54	0.069	0.063	Gyeonggi
3.96	10.60	11,071	181.91	0.204	0.129	Gangwon
4.45	10.70	17,414	7.76	0.076	0.104	Chungbuk
17.62	88.73	22,435	227.79	0.502	0.325	Chungnam
3.08	9.42	11,986	66.60	0.118	0.110	Jeonbuk
25.97	123.56	18,794	184.56	0.732	0.601	Jeonnam
8.34	10.56	16,773	183.72	0.336	0.210	Gyeongbuk
2.63	8.95	10,787	122.63	0.131	0.083	Gyeongnam
2.35	11.45	8,567	68.80	0.103	0.087	Jeju

1. TPES: Total Primary Energy Supply

2. TFEC: Total Final Energy Consumption

3. It has changed from renewables to renewables &amp; others, following the revision of Act on the promotion of the development, use and diffusion of new and renewable energy.

4. At chained 2015 year prices.

Note: Total includes other areas.

## 2. 1차에너지 생산

## Primary Energy Production

단위 : 1,000toe

Unit : 1,000toe

	합계 Total	석탄 Coal	천연가스 LNG	수력 Hydro	원자력 Nuclear	신재생 및 기타 <sup>1</sup> Renewables & Others <sup>1</sup>
1996	23,170	2,228	-	1,300	18,481	1,161
1997	23,997	2,030	-	1,351	19,271	1,344
1998	27,435	1,962	-	1,525	22,422	1,526
1999	30,977	1,889	-	1,517	25,766	1,806
2000	32,641	1,868	-	1,402	27,241	2,130
2001	33,244	1,718	-	1,038	28,033	2,456
2002	35,521	1,493	-	1,327	29,776	2,925
2003	38,864	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	42,987	969	451	1,684	33,265	6,617
2012	42,748	942	436	1,615	31,719	8,036
2013	41,321	817	463	1,771	29,283	8,987
2014	46,716	787	322	1,650	33,002	10,956
2015	49,809	794	188	1,223	34,765	12,839
2016	50,087	777	154	1,400	34,181	13,575
2017	49,996	702	341	1,490	31,615	15,848
2018	47,977	568	305	1,549	28,437	17,119
2019	50,869	513	259	1,331	31,079	17,688
2020	55,292	482	185	1,523	34,119	18,983
2021	57,341	425	55	1,435	33,657	21,769
서울 Seoul	434	-	-	0	-	434
부산 Busan	7,189	-	-	0	6,904	285
대구 Daegu	225	-	-	3	-	222
인천 Incheon	680	-	-	9	-	671
광주 Gwangju	102	-	-	2	-	100
대전 Daejeon	146	-	-	-	-	146
울산 Ulsan	5,250	-	55	0	4,172	1,022
세종 Sejong	102	-	-	-	-	102
경기 Gyeonggi	2,292	-	-	204	-	2,087
강원 Gangwon	2,599	389	-	352	-	1,858
충북 Chungbuk	1,017	-	-	156	-	861
충남 Chungnam	3,332	-	-	12	-	3,320
전북 Jeonbuk	2,359	-	-	186	-	2,173
전남 Jeonnam	10,736	36	-	18	6,806	3,876
경북 Gyeongbuk	19,112	-	-	162	15,775	3,175
경남 Gyeongnam	1,118	-	-	330	-	788
제주 Jeju	648	-	-	1	-	647

1. 「신에너지 및 재생에너지 개발·이용·보급 촉진법」 개정(2019.10)에 따라 신재생에너지를 “신재생 및 기타”로 표기

주 1. 전국은 기타지역 포함

2. 2014년 이전 세종은 충남에 포함

## 3. 1차에너지 원별 공급

## Primary Energy Supply by Source

단위 : 1,000toe

Unit : 1,000toe

	합계 Total	석탄 Coal	석유 Petroleum	천연가스 LNG	수력 Hydro	원자력 Nuclear	신재생 및 기타 <sup>1</sup> Renewables & Others <sup>1</sup>
1996	165,136	32,100	99,923	12,172	1,300	18,481	1,161
1997	181,058	34,927	109,372	14,792	1,351	19,271	1,344
1998	166,265	36,051	90,904	13,838	1,525	22,422	1,526
1999	181,651	38,157	97,556	16,849	1,517	25,766	1,806
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	276,997	83,687	105,459	46,284	1,684	33,265	6,617
2012	278,325	80,636	106,134	50,185	1,615	31,719	8,036
2013	279,623	81,544	105,515	52,523	1,771	29,283	8,987
2014	282,423	84,399	104,643	47,773	1,650	33,002	10,956
2015	286,921	85,401	109,090	43,603	1,223	34,765	12,839
2016	293,778	81,499	117,605	45,518	1,400	34,181	13,575
2017	302,490	86,177	119,824	47,536	1,490	31,615	15,848
2018	307,557	86,707	118,521	55,224	1,549	28,437	17,119
2019	303,092	82,147	117,314	53,534	1,331	31,079	17,688
2020	292,076	72,241	110,240	54,970	1,523	34,119	18,983
2021	307,312	72,531	118,047	59,872	1,435	33,657	21,769
서울 Seoul	9,994	33	4,539	4,988	0	-	434
부산 Busan	12,409	36	2,407	2,777	0	6,904	285
대구 Daegu	3,453	179	1,622	1,427	3	-	222
인천 Incheon	21,447	6,673	6,785	7,309	9	-	671
광주 Gwangju	1,772	7	952	711	2	-	100
대전 Daejeon	1,803	8	932	716	-	-	146
울산 Ulsan	33,548	455	22,341	5,558	0	4,172	1,022
세종 Sejong	1,247	-	237	908	-	-	102
경기 Gyeonggi	34,139	244	11,642	19,961	204	-	2,087
강원 Gangwon	9,464	4,408	2,171	674	352	-	1,858
충북 Chungbuk	5,339	1,014	2,325	983	156	-	861
충남 Chungnam	59,209	28,829	23,531	3,517	12	-	3,320
전북 Jeonbuk	5,971	6	2,245	1,361	186	-	2,173
전남 Jeonnam	56,383	13,250	27,640	4,792	18	6,806	3,876
경북 Gyeongbuk	35,313	10,019	3,712	2,470	162	15,775	3,175
경남 Gyeongnam	13,792	7,370	3,952	1,352	330	-	788
제주 Jeju	1,872	-	1,014	210	1	-	647

1. It has changed from renewables to renewables & others, following the revision of Act on the promotion of the development, use and diffusion of new and renewable energy.

Note: Total includes other areas

## 4. 1차에너지 공급

단위 : 1,000toe

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
1996	165,136	16,245	13,003	3,632	9,748	1,642	1,729	-	-
1997	181,058	17,856	12,414	3,649	11,152	1,445	1,702	-	-
1998	166,265	15,416	11,401	3,138	7,221	1,105	1,403	15,180	-
1999	181,651	14,835	11,827	3,722	8,444	1,236	1,709	17,210	-
2000	193,240	14,021	12,578	3,814	9,154	1,411	2,093	18,561	-
2001	198,865	12,791	12,434	3,676	11,502	1,470	1,880	18,388	-
2002	209,290	12,133	12,290	3,712	12,137	1,545	1,949	19,983	-
2003	215,772	11,811	12,652	3,629	12,077	1,562	1,940	20,543	-
2004	220,756	11,974	13,599	3,447	13,474	1,592	1,979	21,296	-
2005	229,667	11,915	13,551	3,260	15,654	1,570	1,853	21,048	-
2006	234,062	11,959	13,697	3,232	16,252	1,502	1,895	22,313	-
2007	236,486	12,327	12,499	3,133	17,373	1,567	1,867	22,981	-
2008	240,994	11,893	12,795	3,068	17,710	1,535	1,813	20,456	-
2009	243,500	11,376	12,187	3,097	19,355	1,573	1,821	19,479	-
2010	264,053	11,813	14,500	3,344	21,754	1,695	1,916	20,605	-
2011	276,997	11,877	14,441	3,296	22,697	1,716	1,850	24,511	-
2012	278,325	11,898	14,509	3,124	24,336	1,737	1,859	26,654	-
2013	279,623	11,779	13,156	3,081	24,579	1,919	1,911	26,520	227
2014	282,423	11,240	14,953	3,163	24,043	1,900	1,918	24,791	756
2015	286,921	11,253	13,921	3,482	25,644	1,812	1,942	22,801	811
2016	293,778	11,302	14,742	3,606	25,380	1,836	1,999	27,201	847
2017	302,490	11,198	9,980	3,562	25,130	1,863	1,985	30,278	881
2018	307,557	10,657	12,508	3,565	25,596	1,849	2,026	31,000	1,001
2019	303,092	10,329	12,389	3,554	23,927	1,827	1,948	31,622	806
2020	292,076	9,931	12,654	3,245	21,304	1,767	1,851	31,998	1,047
2021	307,312	9,994	12,409	3,453	21,447	1,772	1,803	33,548	1,247

주 1. 전국에는 기타지역 포함.

2. 2014년 이전 세종은 충남에 포함

## 4. Primary Energy Supply

Unit : 1,000toe

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
18,603	6,839	4,465	14,162	4,457	29,236	16,915	23,501	1,031	1996
18,729	6,727	4,652	16,430	4,098	32,448	17,677	30,607	1,051	1997
14,397	5,601	3,828	18,552	3,117	31,353	19,472	13,964	784	1998
16,727	6,094	4,119	21,426	3,548	32,015	24,036	13,446	968	1999
17,615	6,431	4,420	23,490	3,884	34,081	25,388	14,887	1,070	2000
18,198	6,218	4,363	25,873	3,914	35,438	25,985	15,107	1,181	2001
19,258	6,030	4,635	28,037	3,857	39,135	25,936	16,776	1,231	2002
19,644	6,470	5,001	28,866	3,867	41,375	27,111	17,323	1,207	2003
19,427	6,046	4,680	30,584	3,718	41,473	28,505	17,286	1,162	2004
21,562	5,738	4,495	30,721	3,759	44,146	30,499	17,679	1,176	2005
20,754	5,823	4,543	32,763	4,001	44,159	31,569	17,763	1,149	2006
20,768	6,159	4,608	36,864	3,619	44,559	29,501	17,416	1,219	2007
20,224	6,791	4,644	40,962	3,434	45,415	31,116	17,769	1,146	2008
20,342	7,391	4,515	42,157	3,398	46,597	29,224	19,650	1,266	2009
22,113	7,897	4,776	46,641	3,690	49,808	31,038	20,883	1,480	2010
22,346	9,746	4,967	50,406	4,493	50,801	30,342	21,799	1,386	2011
23,354	7,502	4,859	51,581	4,477	49,160	29,701	21,896	1,425	2012
23,454	7,755	4,827	53,731	4,626	49,062	29,594	21,601	1,541	2013
22,977	7,302	4,661	55,385	4,610	49,353	33,106	20,710	1,366	2014
26,402	6,666	4,453	54,499	4,595	51,699	34,654	20,674	1,504	2015
28,857	6,687	4,974	54,614	4,799	50,667	33,820	20,782	1,529	2016
29,366	8,974	5,214	59,718	5,074	53,188	34,289	19,977	1,636	2017
31,568	10,606	5,149	62,997	5,561	49,722	32,483	19,291	1,797	2018
31,827	9,981	5,239	60,820	5,539	49,884	34,154	17,125	1,980	2019
31,242	8,769	5,243	58,734	5,488	47,652	35,494	13,710	1,834	2020
34,139	9,464	5,339	59,209	5,971	56,383	35,313	13,792	1,872	2021

Note: Total includes other areas.

## 5. 최종에너지 소비

단위 : 1,000toe

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
1996	131,573	17,720	7,355	4,350	6,710	1,916	2,058	-	-
1997	144,541	19,782	7,366	4,372	7,005	1,750	2,022	-	-
1998	132,177	16,733	6,073	3,825	5,808	1,400	1,683	15,347	-
1999	143,027	17,082	6,713	4,477	6,304	1,568	1,964	17,145	-
2000	149,958	16,450	7,136	4,680	7,209	1,775	2,386	17,697	-
2001	153,103	15,402	7,148	4,570	9,059	1,861	2,224	17,333	-
2002	160,876	15,004	6,894	4,606	9,227	1,985	2,320	19,169	-
2003	164,550	14,777	6,974	4,596	9,320	2,021	2,352	20,101	-
2004	166,452	15,062	6,683	4,422	9,397	2,069	2,406	20,729	-
2005	171,543	15,182	6,782	4,365	10,324	2,089	2,389	20,843	-
2006	174,873	15,586	6,919	4,313	10,068	2,076	2,545	21,970	-
2007	182,015	16,008	6,918	4,261	10,252	2,158	2,542	22,530	-
2008	183,054	15,482	6,829	4,211	9,542	2,149	2,527	20,898	-
2009	182,080	15,027	6,458	4,215	9,941	2,197	2,418	19,810	-
2010	195,401	15,717	6,683	4,569	10,630	2,386	2,568	20,748	-
2011	205,239	15,491	6,535	4,512	10,260	2,349	2,529	24,734	-
2012	206,968	15,203	6,500	4,382	10,859	2,433	2,640	26,075	141
2013	208,362	15,014	6,182	4,378	10,479	2,570	2,676	25,955	397
2014	210,448	14,680	5,722	4,322	11,212	2,541	2,631	25,321	472
2015	215,389	14,966	5,899	4,306	12,370	2,487	2,660	23,686	551
2016	221,936	15,214	6,311	4,379	12,646	2,528	2,729	26,946	558
2017	231,023	15,095	6,275	4,402	13,422	2,555	2,736	27,988	599
2018	233,368	14,746	6,375	4,461	13,769	2,543	2,760	29,905	637
2019	231,353	14,452	6,340	4,387	13,420	2,487	2,676	28,611	665
2020	222,563	13,316	5,910	4,062	11,226	2,420	2,558	28,684	728
2021	237,360	13,405	5,811	4,312	10,734	2,460	2,599	30,015	790

주 1. 전국에는 기타지역 포함.

2. 2014년 이전 세종은 충남에 포함

## 5. Final Energy Consumption

Unit : 1,000toe

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
16,045	6,325	5,046	7,104	4,462	20,830	13,199	18,167	744	1996
16,555	6,322	5,236	8,412	4,304	23,816	13,024	23,687	778	1997
14,374	5,219	4,264	10,905	3,483	23,629	12,377	6,345	661	1998
16,259	5,467	4,666	11,976	4,075	24,789	13,656	6,080	840	1999
17,058	5,924	5,058	12,662	4,373	26,354	14,044	6,084	972	2000
17,946	6,017	5,232	13,041	4,582	26,955	14,182	6,351	1,057	2001
20,011	5,958	5,488	13,820	4,653	28,548	15,095	6,705	973	2002
20,671	6,341	5,696	14,129	4,599	29,290	15,351	6,729	1,056	2003
21,495	6,019	5,540	14,161	4,640	30,080	15,519	6,794	997	2004
23,348	5,838	5,469	14,939	4,708	31,124	15,338	7,127	996	2005
23,026	5,852	5,552	15,986	5,075	30,953	15,397	7,346	924	2006
23,578	6,183	5,765	18,169	4,803	33,106	16,797	7,423	966	2007
23,763	6,860	5,928	19,581	4,648	34,065	17,716	7,512	877	2008
23,669	7,250	5,847	20,660	4,662	34,481	16,858	7,748	944	2009
24,043	7,732	6,191	22,644	5,121	37,853	19,170	8,486	1,168	2010
25,830	8,169	6,317	25,926	5,201	38,403	18,911	8,966	1,095	2011
26,172	5,969	6,416	28,125	5,138	37,573	19,130	9,110	1,087	2012
26,248	6,064	6,408	29,106	5,321	38,009	19,406	8,957	1,181	2013
25,355	5,997	5,971	32,232	5,339	37,776	20,975	8,690	1,195	2014
27,052	6,154	6,233	32,643	5,625	39,242	20,185	8,831	1,297	2015
28,645	5,975	6,742	34,139	5,801	38,862	20,677	9,141	1,399	2016
29,613	5,870	6,996	35,968	5,894	42,020	20,539	9,538	1,513	2017
30,692	5,882	6,970	37,374	5,806	40,013	20,493	9,394	1,547	2018
30,135	5,951	7,109	37,221	5,527	40,998	21,211	8,622	1,541	2019
30,176	5,645	6,984	37,167	5,309	37,540	20,942	8,451	1,445	2020
31,501	6,018	7,262	38,348	5,520	46,308	22,029	8,729	1,581	2021

Note: Total includes other areas.

## 6. 최종에너지 원별 소비

## Final Energy Consumption by Source

단위 : 1,000toe

Unit : 1,000toe

	합계 Total	석탄 Coal	석유 Petroleum	가스 <sup>1</sup> Gas <sup>1</sup>	전력 Electricity	열에너지 Heat	신재생 및 기타 <sup>2</sup> Renewables & Others <sup>2</sup>
1996	131,573	18,406	88,566	6,937	15,692	811	1,161
1997	144,541	18,891	98,036	8,093	17,267	909	1,344
1998	132,177	17,993	86,712	8,425	16,638	882	1,526
1999	143,027	18,325	92,928	10,513	18,422	1,033	1,806
2000	149,958	19,661	93,839	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	17,811	28,588	1,652	3,896
2006	174,873	22,461	97,665	18,379	29,990	1,549	4,092
2007	182,015	24,056	100,720	18,955	31,700	1,576	4,491
2008	183,054	25,879	97,316	19,765	33,116	1,668	4,747
2009	182,080	23,015	98,516	19,459	33,925	1,709	4,867
2010	195,401	28,189	100,519	22,070	37,338	1,939	5,346
2011	205,239	32,860	102,294	24,123	39,136	1,976	4,850
2012	206,968	31,017	101,683	25,883	40,127	2,102	6,156
2013	208,362	31,603	101,522	25,691	40,837	2,070	6,639
2014	210,448	35,198	102,664	23,810	41,073	1,528	6,175
2015	215,389	34,849	106,854	22,530	41,594	1,967	7,595
2016	221,936	32,342	114,264	23,230	42,745	2,183	7,173
2017	231,023	33,360	118,289	24,628	43,666	2,441	8,638
2018	233,368	32,480	116,831	27,016	45,249	2,682	9,110
2019	231,353	32,057	116,125	26,852	44,763	2,647	8,910
2020	222,563	30,457	109,344	26,702	43,797	2,770	9,493
2021	237,360	31,810	116,936	27,836	45,875	2,900	12,002
서울 Seoul	13,405	33	4,538	3,975	4,075	478	306
부산 Busan	5,811	36	2,405	1,369	1,815	55	132
대구 Daegu	4,312	179	1,546	1,004	1,331	89	162
인천 Incheon	10,734	1	6,655	1,422	2,144	309	203
광주 Gwangju	2,460	7	951	645	773	41	42
대전 Daejeon	2,599	8	927	671	840	36	118
울산 Ulsan	30,015	455	21,996	3,774	2,890	-	900
세종 Sejong	790	-	237	101	370	5	76
경기 Gyeonggi	31,501	244	11,500	5,323	11,492	1,730	1,211
강원 Gangwon	6,018	1,217	2,130	444	1,448	1	778
충북 Chungbuk	7,262	1,014	2,184	971	2,445	60	588
충남 Chungnam	38,348	7,248	23,446	1,604	4,199	37	1,813
전북 Jeonbuk	5,520	6	2,239	948	1,849	-	477
전남 Jeonnam	46,308	11,310	27,619	2,122	2,882	-	2,374
경북 Gyeongbuk	22,029	10,019	3,687	2,176	3,810	10	2,327
경남 Gyeongnam	8,729	32	3,928	1,255	3,078	50	387
제주 Jeju	1,581	-	946	30	496	-	109

1. 천연가스, 도시가스

2. 「신에너지 및 재생에너지 개발·이용·보급 촉진법」 개정(2019.10)에 따라 신재생에너지를 「신재생 및 기타」로 표기

주 1. 전국에는 기타지역 포함.

2. 2014년 이전 세종은 충남에 포함

1. Natural gas, City gas  
 2. It has changed from renewables to renewables & others, following the revision of Act on the promotion of the development, use and diffusion of new and renewable energy.  
 Note: Total includes other areas.



## 6-1. 석탄 소비

## Coal Consumption

단위 : 1,000toe

Unit : 1,000toe

	석탄	무연탄			유연탄		
	Coal	Anthracite	국내탄 Domestic	수입탄 Import	Bituminous	원료탄 Coking	연료탄 Steam
1996	18,406	1,385	893	492	17,021	11,420	5,601
1997	18,891	1,072	638	434	17,819	11,997	5,821
1998	17,993	1,111	626	485	16,882	12,097	4,785
1999	18,325	1,271	585	685	17,055	12,171	4,883
2000	19,661	1,813	589	1,225	17,848	12,814	5,033
2001	20,357	2,470	602	1,868	17,887	12,748	5,139
2002	21,485	2,919	563	2,356	18,566	13,264	5,302
2003	22,428	3,342	546	2,796	19,086	13,536	5,550
2004	22,100	3,309	682	2,627	18,791	13,754	5,038
2005	22,154	3,711	897	2,814	18,443	13,735	4,709
2006	22,461	4,112	1,008	3,104	18,349	13,682	4,667
2007	24,056	4,385	874	3,512	19,671	15,063	4,608
2008	25,879	4,636	1,011	3,625	21,243	16,498	4,745
2009	23,015	4,183	816	3,367	18,832	14,514	4,318
2010	28,189	4,629	776	3,853	23,560	19,047	4,513
2011	32,860	5,844	789	5,055	27,017	22,233	4,783
2012	31,017	4,511	764	3,747	26,507	22,041	4,466
2013	31,603	4,649	779	3,870	26,954	22,437	4,517
2014	35,198	4,212	626	3,586	30,985	26,328	4,658
2015	34,849	4,539	583	3,956	30,310	25,727	4,583
2016	32,342	4,431	510	3,921	27,911	23,422	4,489
2017	33,360	3,986	477	3,509	29,374	25,294	4,079
2018	32,480	4,565	411	4,154	27,915	24,129	3,786
2019	32,057	3,850	287	3,563	28,207	24,366	3,841
2020	30,457	3,459	233	3,226	26,998	23,556	3,442
2021	31,810	3,577	212	3,365	28,233	24,623	3,610
서울 Seoul	33	33	33	-	-	-	-
부산 Busan	36	1	-	1	34	-	34
대구 Daegu	179	-	-	-	179	-	179
인천 Incheon	1	1	-	1	-	-	-
광주 Gwangju	7	7	7	-	-	-	-
대전 Daejeon	8	8	8	-	-	-	-
울산 Ulsan	455	17	-	17	438	-	438
세종 Sejong	-	-	-	-	-	-	-
경기 Gyeonggi	244	21	20	1	223	-	223
강원 Gangwon	1,217	67	37	30	1,149	-	1,149
충북 Chungbuk	1,014	48	19	29	966	-	966
충남 Chungnam	7,248	1,053	8	1,045	6,195	6,195	-
전북 Jeonbuk	6	6	5	1	-	-	-
전남 Jeonnam	11,310	937	1	937	10,373	10,031	342
경북 Gyeongbuk	10,019	1,344	72	1,272	8,675	8,396	279
경남 Gyeongnam	32	32	2	30	-	-	-
제주 Jeju	-	-	-	-	-	-	-

## 6-2. 석유제품 소비

단위 : 1,000toe

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	B-C Bunker-C
1996	88,566	8,969	10,185	23,701	475	256	16,996
1997	98,036	9,416	11,757	23,125	412	249	15,937
1998	86,712	8,061	8,490	17,332	333	198	13,358
1999	92,928	8,429	10,486	18,280	422	233	14,424
2000	93,839	8,232	9,537	18,858	443	221	13,461
2001	93,617	8,275	8,465	19,287	406	233	12,580
2002	96,635	8,455	7,939	20,089	441	252	12,414
2003	96,669	7,981	7,068	20,923	402	273	11,799
2004	95,942	7,673	5,844	21,002	344	263	10,676
2005	97,076	7,859	5,338	20,826	353	277	10,312
2006	97,665	7,900	4,204	20,798	352	250	9,994
2007	100,720	7,949	3,554	20,874	328	240	9,235
2008	97,316	8,004	3,780	19,303	290	206	7,765
2009	98,516	8,377	3,538	18,988	307	198	6,751
2010	100,519	8,767	4,015	19,302	303	206	6,399
2011	102,294	8,849	3,507	19,181	327	196	5,748
2012	101,683	8,876	3,036	19,062	299	130	4,684
2013	101,522	9,080	2,594	19,832	249	138	3,323
2014	102,664	9,088	2,148	20,274	214	111	3,151
2015	106,854	9,470	2,265	21,940	231	121	3,691
2016	114,264	9,762	2,596	23,388	242	129	4,119
2017	118,289	9,886	2,528	24,185	233	111	4,125
2018	116,831	9,894	2,497	23,509	217	97	3,758
2019	116,125	10,275	2,239	23,822	239	66	2,822
2020	109,344	10,053	2,257	22,753	216	32	3,012
2021	116,936	10,538	2,226	23,162	171	22	2,857
서울	4,538	1,081	38	1,068	-	-	-
부산	2,405	528	52	1,115	13	1	113
대구	1,546	446	71	645	0	0	6
인천	6,655	532	47	1,293	27	1	89
광주	951	265	18	480	-	-	0
대전	927	279	22	458	0	-	1
울산	21,996	269	26	825	27	0	1,134
세종	237	71	9	126	0	-	1
경기	11,500	3,094	329	5,896	12	1	225
강원	2,130	427	182	1,105	4	0	6
충북	2,184	444	156	1,207	1	0	4
충남	23,446	605	244	1,635	12	0	196
전북	2,239	419	173	1,195	11	1	55
전남	27,619	429	215	1,704	36	4	965
경북	3,687	717	333	2,026	4	3	20
경남	3,928	772	228	2,022	19	7	44
제주	946	159	81	359	5	3	-

1. 기타제품에는 파라핀왁스, 석유코크, 부생연료유(등유형), 부생연료유(중유형), 정제가스, 기타제품등이 포함

## 6-2. Petroleum Products Consumption

Unit : 1,000toe

납사 Naphtha	용제 Solvent	항공유 Jet oil	LPG	아스팔트 Asphalt	윤활기유 Lube base oil	기타제품 <sup>1</sup> Others <sup>1</sup>	
17,968	87	2,464	5,733	1,733	-	-	1996
24,791	102	2,667	6,442	1,932	559	646	1997
27,200	75	2,385	6,472	1,591	422	792	1998
27,842	96	2,542	7,371	1,663	473	666	1999
29,132	96	2,522	8,333	1,662	567	774	2000
29,672	103	2,776	8,493	1,782	534	1,011	2001
31,200	166	2,774	9,235	1,672	572	1,425	2002
32,104	352	2,846	9,050	1,704	610	1,556	2003
33,434	508	2,936	9,099	1,885	648	1,630	2004
34,754	571	3,466	9,348	1,694	742	1,537	2005
36,503	620	3,490	9,608	1,747	550	1,647	2006
40,552	490	3,637	10,052	1,742	543	1,524	2007
39,850	421	3,484	10,432	1,588	662	1,530	2008
41,290	404	3,653	10,840	1,997	721	1,452	2009
42,467	543	3,921	10,448	1,778	770	1,600	2010
45,458	364	3,957	9,670	1,665	501	2,869	2011
47,144	160	4,192	9,194	1,625	521	2,759	2012
47,100	92	4,209	9,536	1,709	512	3,149	2013
48,583	126	4,436	9,271	1,488	549	3,225	2014
50,355	175	4,769	9,214	1,632	596	2,393	2015
52,719	206	5,135	11,059	1,835	604	2,469	2016
56,183	217	5,297	10,579	1,859	743	2,344	2017
55,301	201	5,525	10,945	1,703	771	2,413	2018
53,763	215	5,384	12,188	1,684	723	2,705	2019
49,676	268	3,012	12,069	1,606	697	3,693	2020
55,381	197	2,935	12,034	1,510	1,219	4,683	2021
-	28	1,428	690	202	-	2	Seoul
-	17	40	325	18	181	2	Busan
-	5	103	230	39	-	1	Daegu
3,073	5	1,071	282	42	47	146	Incheon
-	1	-	176	11	-	0	Gwangju
-	2	0	143	19	-	2	Daejeon
13,537	13	59	2,971	142	421	2,573	Ulsan
-	1	-	28	-	-	1	Sejong
-	67	1	1,511	284	39	42	Gyeonggi
-	9	3	231	33	3	128	Gangwon
-	7	33	230	42	4	56	Chungbuk
17,295	7	11	2,636	190	355	260	Chungnam
39	12	15	278	35	-	5	Jeonbuk
21,432	1	1	1,201	216	25	1,391	Jeonnam
4	7	0	448	110	3	12	Gyeongbuk
-	16	2	503	128	142	45	Gyeongnam
-	0	168	153	-	-	17	Jeju

1. Includes Paraffin wax, Petroleum coke, Hi-sene, C9+, Refinery gas, other oil products.

## 7. 최종에너지 부문별 소비

## Final Energy Consumption By sector

단위 : 1,000toe

Unit : 1,000toe

	합계 Total	산업 Industry	수송 Transportation	가정·상업 Residential & Commercial	공공 기타 Public & Others
1996	131,573	67,751	29,789	31,374	2,659
1997	144,541	78,322	30,736	32,768	2,715
1998	132,177	76,353	26,178	27,156	2,489
1999	143,027	80,114	28,625	31,640	2,649
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	171,176	95,578	35,534	36,336	4,095
2006	174,135	98,577	36,522	35,921	3,853
2007	181,498	104,866	37,059	35,943	4,148
2008	182,490	106,902	35,756	36,292	4,104
2009	181,491	106,053	35,892	35,835	4,299
2010	194,971	116,590	36,903	37,425	4,482
2011	205,239	125,332	36,842	38,265	4,800
2012	206,968	126,368	36,783	38,603	5,214
2013	208,362	128,920	36,961	37,765	4,716
2014	210,448	132,897	37,241	35,627	4,683
2015	215,389	133,416	39,851	37,021	5,101
2016	221,936	135,698	42,271	38,721	5,246
2017	231,023	142,519	43,183	39,860	5,461
2018	233,368	143,498	42,969	41,334	5,567
2019	231,353	142,903	42,996	40,056	5,399
2020	222,563	137,964	39,436	39,912	5,251
2021	237,360	150,293	40,170	41,194	5,702
서울 Seoul	13,405	681	3,749	8,093	881
부산 Busan	5,811	1,422	1,990	2,216	183
대구 Daegu	4,312	1,016	1,302	1,730	264
인천 Incheon	10,734	5,044	3,065	2,341	284
광주 Gwangju	2,460	422	916	1,054	68
대전 Daejeon	2,599	435	861	1,175	128
울산 Ulsan	30,015	27,052	1,888	855	220
세종 Sejong	790	272	213	248	57
경기 Gyeonggi	31,501	9,540	9,769	10,923	1,270
강원 Gangwon	6,018	2,779	1,484	1,475	280
충북 Chungbuk	7,262	3,960	1,745	1,332	224
충남 Chungnam	38,348	33,596	2,431	1,855	466
전북 Jeonbuk	5,520	2,148	1,637	1,438	297
전남 Jeonnam	46,308	41,874	2,775	1,415	244
경북 Gyeongbuk	22,029	16,654	2,848	2,276	251
경남 Gyeongnam	8,729	3,139	2,810	2,376	403
제주 Jeju	1,581	260	687	527	108

주 1. 전국에는 기타지역 포함.

Note: Total includes other areas.

2. 2014년 이전 세종은 충남에 포함

2. Regional city gas consumption of public service is includes at residential

3. 2019년 이후 지역별 공공부문 도시가스 소비량은 가정·상업 부문에 포함.

&amp; commercial.

## 7-1. 부문별 석탄소비

## Coal Consumption by Sector

단위 : 1,000toe

Unit : 1,000toe

	합계 Total	산업 Industry	수송 Transportation	가정·상업 Residential & Commercial	공공 기타 Public & Others
1996	18,406	17,523	-	883	-
1997	18,891	18,266	-	625	-
1998	17,993	17,440	-	553	-
1999	18,325	17,822	-	503	-
2000	19,661	19,125	-	536	-
2001	20,357	19,804	-	553	-
2002	21,485	20,956	-	529	-
2003	22,428	21,890	-	539	-
2004	22,100	21,475	-	626	-
2005	22,154	21,242	-	912	-
2006	22,461	21,398	-	1,063	-
2007	24,056	23,043	-	1,014	-
2008	25,879	24,791	-	1,088	-
2009	23,015	22,075	-	940	-
2010	28,189	27,288	-	901	-
2011	32,860	31,989	-	871	-
2012	31,017	30,185	-	832	-
2013	31,603	30,730	-	872	-
2014	35,198	34,452	-	745	-
2015	34,849	34,177	-	672	-
2016	32,342	31,770	-	571	-
2017	33,360	32,847	-	513	-
2018	32,480	32,048	-	432	-
2019	32,057	31,752	-	306	-
2020	30,457	30,216	-	242	-
2021	31,810	31,597	-	212	-
서울 Seoul	33	-	-	33	-
부산 Busan	36	36	-	-	-
대구 Daegu	179	179	-	-	-
인천 Incheon	1	1	-	-	-
광주 Gwangju	7	-	-	7	-
대전 Daejeon	8	-	-	8	-
울산 Ulsan	455	455	-	-	-
세종 Sejong	-	-	-	-	-
경기 Gyeonggi	244	224	-	20	-
강원 Gangwon	1,217	1,179	-	37	-
충북 Chungbuk	1,014	996	-	19	-
충남 Chungnam	7,248	7,240	-	8	-
전북 Jeonbuk	6	1	-	5	-
전남 Jeonnam	11,310	11,310	-	1	-
경북 Gyeongbuk	10,019	9,947	-	72	-
경남 Gyeongnam	32	30	-	2	-
제주 Jeju	-	-	-	-	-

주 1. 전국에는 기타지역 포함.

Note: Total includes other areas.

## 7-2. 부문별 석유 소비

## Petroleum Products Consumption by Sector

단위 : 1,000toe

Unit : 1,000toe

	합계 Total	산업 Industry	수송 Transportation	가정·상업 Residential & Commercial	공공·기타 Public & Others
1996	88,566	38,940	29,644	18,452	1,530
1997	98,036	47,429	30,584	18,570	1,453
1998	86,712	46,456	26,042	12,999	1,215
1999	92,928	47,800	28,476	15,382	1,270
2000	93,839	48,522	30,770	13,407	1,140
2001	93,617	48,254	31,708	12,327	1,328
2002	96,635	50,032	33,490	11,893	1,220
2003	96,669	49,898	34,288	11,073	1,411
2004	95,942	50,839	34,178	9,578	1,347
2005	97,076	51,746	34,958	8,955	1,417
2006	97,665	53,114	35,776	7,496	1,279
2007	100,720	56,364	36,139	6,942	1,274
2008	97,316	54,964	34,606	6,569	1,176
2009	98,516	56,616	34,491	6,145	1,264
2010	100,519	57,576	35,246	6,397	1,299
2011	102,294	59,977	35,139	5,937	1,241
2012	101,683	60,073	34,982	5,371	1,258
2013	101,522	60,369	34,928	4,999	1,227
2014	102,664	61,343	35,308	4,707	1,306
2015	106,854	62,156	37,928	5,320	1,450
2016	114,264	66,820	40,328	5,684	1,432
2017	118,289	69,871	41,255	5,693	1,470
2018	116,831	69,294	40,782	5,325	1,429
2019	116,125	69,216	40,809	4,824	1,276
2020	109,344	66,483	37,376	4,354	1,130
2021	116,936	73,346	38,195	4,255	1,140
서울 Seoul	4,538	524	3,401	300	314
부산 Busan	2,405	352	1,834	190	29
대구 Daegu	1,546	87	1,201	164	94
인천 Incheon	6,655	3,484	2,941	134	96
광주 Gwangju	951	28	863	58	3
대전 Daejeon	927	45	808	63	11
울산 Ulsan	21,996	20,020	1,834	46	97
세종 Sejong	237	16	198	22	2
경기 Gyeonggi	11,500	1,293	9,217	848	143
강원 Gangwon	2,130	292	1,442	296	99
충북 Chungbuk	2,184	273	1,674	218	19
충남 Chungnam	23,446	20,702	2,378	342	24
전북 Jeonbuk	2,239	388	1,573	253	25
전남 Jeonnam	27,619	24,574	2,707	301	37
경북 Gyeongbuk	3,687	463	2,755	444	26
경남 Gyeongnam	3,928	719	2,705	401	102
제주 Jeju	946	86	664	174	21

주 1. 전국에는 기타지역 포함.

2. 2014년 이전 세종은 충남에 포함

Note: Total includes other areas.

## 7-3. 부문별 도시가스 소비

## City Gas Consumption by Sector

단위 : 1,000toe

Unit : 1,000toe

	합계 Total	산업 Industry	수송 Transportation	가정·상업 Residential & Commercial	공공 기타 Public & Others
1996	6,937	1,196	-	5,588	153
1997	8,093	1,496	-	6,436	161
1998	8,425	1,812	-	6,454	160
1999	10,513	2,530	-	7,784	199
2000	12,561	3,308	-	9,024	229
2001	13,290	3,612	7	9,412	259
2002	14,567	3,984	80	10,241	262
2003	15,470	4,177	146	10,889	259
2004	16,193	4,382	239	11,293	279
2005	17,811	4,656	339	12,503	313
2006	18,379	4,847	475	12,858	199
2007	18,955	5,225	615	12,831	285
2008	19,765	5,933	777	12,763	292
2009	19,459	5,891	960	12,332	277
2010	21,081	7,329	1,112	12,489	152
2011	22,871	8,383	1,174	13,201	112
2012	24,728	9,501	1,248	13,797	181
2013	24,878	9,903	1,299	13,578	98
2014	23,041	9,050	1,307	12,599	85
2015	21,678	7,644	1,288	12,661	85
2016	22,186	7,537	1,270	13,292	88
2017	23,258	8,010	1,253	13,918	77
2018	24,979	9,028	1,238	14,614	99
2019	23,943	8,540	1,216	14,109	78
2020	23,100	7,813	1,099	14,119	70
2021	24,287	8,760	1,060	14,393	74
서울 Seoul	3,975	18	235	3,721	-
부산 Busan	1,369	371	93	905	-
대구 Daegu	1,004	228	61	715	-
인천 Incheon	1,422	499	78	845	-
광주 Gwangju	645	141	32	472	-
대전 Daejeon	671	107	34	530	-
울산 Ulsan	2,105	1,694	31	379	-
세종 Sejong	101	54	5	42	-
경기 Gyeonggi	5,323	1,608	308	3,407	-
강원 Gangwon	444	70	10	363	-
충북 Chungbuk	971	585	18	368	-
충남 Chungnam	1,581	1,058	14	510	-
전북 Jeonbuk	948	452	26	470	-
전남 Jeonnam	870	495	27	348	-
경북 Gyeongbuk	1,572	885	35	653	-
경남 Gyeongnam	1,255	496	52	707	-
제주 Jeju	30	-	-	30	-

주 1. 전국에는 기타지역 포함.

Note: Total includes other areas.

2. 2014년 이전 세종은 충남에 포함

2. Regional city gas consumption of public service is includes at residential &amp; commercial.

3. 2019년 이후 지역별 공공부문 도시가스 소비량은 가정·상업 부문에 포함.

## 7-4. 부문별 전력 소비

## Electricity Consumption by Sector

단위 : 1,000toe

Unit : 1,000toe

	합계 Total	산업 Industry	수송 Transportation	가정·상업 Residential & Commercial	공공·기타 Public & Others
1996	15,692	9,179	145	5,464	904
1997	17,267	10,009	151	6,090	1,017
1998	16,638	9,359	136	6,122	1,022
1999	18,422	10,394	149	6,793	1,086
2000	20,600	11,374	175	7,891	1,160
2001	22,165	11,678	194	9,005	1,288
2002	23,947	12,423	195	9,859	1,470
2003	25,250	12,933	200	10,585	1,531
2004	26,840	13,617	213	11,352	1,658
2005	28,588	14,346	224	12,233	1,785
2006	29,990	15,021	218	12,883	1,868
2007	31,700	16,018	209	13,513	1,960
2008	33,116	16,738	196	14,143	2,039
2009	33,925	17,006	187	14,594	2,138
2010	37,338	19,193	188	15,636	2,321
2011	39,136	20,830	193	15,758	2,355
2012	40,127	21,426	194	16,049	2,459
2013	40,837	22,088	186	16,077	2,485
2014	41,073	22,757	172	15,706	2,438
2015	41,594	22,844	191	16,020	2,540
2016	42,745	23,218	231	16,650	2,646
2017	43,666	23,794	246	16,932	2,694
2018	45,249	24,399	265	17,801	2,784
2019	44,763	24,060	271	17,666	2,766
2020	43,797	22,973	285	18,043	2,496
2021	45,875	24,309	318	18,610	2,637
서울 Seoul	4,075	135	48	3,532	361
부산 Busan	1,815	628	30	1,024	133
대구 Daegu	1,331	478	14	750	90
인천 Incheon	2,144	1,015	8	1,026	95
광주 Gwangju	773	251	5	464	53
대전 Daejeon	840	209	3	525	104
울산 Ulsan	2,890	2,404	9	419	58
세종 Sejong	370	157	6	171	36
경기 Gyeonggi	11,492	5,971	96	4,765	659
강원 Gangwon	1,448	571	9	725	143
충북 Chungbuk	2,445	1,659	30	613	143
충남 Chungnam	4,199	3,205	8	864	122
전북 Jeonbuk	1,849	1,090	12	642	106
전남 Jeonnam	2,882	2,046	8	686	141
경북 Gyeongbuk	3,810	2,585	19	1,030	176
경남 Gyeongnam	3,078	1,757	8	1,140	173
제주 Jeju	496	151	7	294	45

주 1. 전국에는 기타지역 포함.

2. 2014년 이전 세종은 충남에 포함

Note: Total includes other areas.



## 7-5. 부문별 열에너지 소비

## Heat Energy Consumption by Sector

단위 : 1,000toe

Unit : 1,000toe

	합계 Total	산업 Industry	수송 Transportation	가정·상업 Residential & Commercial	공공·기타 Public & Others
1996	811	-	-	796	15
1997	909	-	-	892	17
1998	882	-	-	866	16
1999	1,033	-	-	1,015	18
2000	1,167	-	-	1,146	20
2001	1,218	-	-	1,191	27
2002	1,316	-	-	1,287	30
2003	1,523	-	-	1,356	166
2004	1,449	-	-	1,415	34
2005	1,652	-	-	1,609	42
2006	1,549	-	-	1,507	42
2007	1,576	-	-	1,536	41
2008	1,668	-	-	1,628	39
2009	1,709	-	-	1,663	46
2010	1,939	-	-	1,899	39
2011	1,976	-	-	1,932	44
2012	2,102	-	-	2,055	47
2013	2,070	-	-	2,023	46
2014	1,528	-	-	1,501	27
2015	1,967	-	-	1,931	36
2016	2,183	-	-	2,133	50
2017	2,441	-	-	2,386	55
2018	2,682	-	-	2,621	61
2019	2,647	-	-	2,572	74
2020	2,770	-	-	2,703	66
2021	2,900	-	-	2,818	82
서울 Seoul	478	-	-	470	8
부산 Busan	55	-	-	54	1
대구 Daegu	89	-	-	85	4
인천 Incheon	309	-	-	301	8
광주 Gwangju	41	-	-	40	2
대전 Daejeon	36	-	-	35	1
울산 Ulsan	-	-	-	-	-
세종 Sejong	5	-	-	5	-
경기 Gyeonggi	1,730	-	-	1,681	50
강원 Gangwon	1	-	-	1	0
충북 Chungbuk	60	-	-	57	2
충남 Chungnam	37	-	-	36	1
전북 Jeonbuk	-	-	-	-	-
전남 Jeonnam	-	-	-	-	-
경북 Gyeongbuk	10	-	-	6	4
경남 Gyeongnam	50	-	-	48	1
제주 Jeju	-	-	-	-	-

주 1. 전국에는 기타지역 포함.

2. 2014년 이전 세종은 충남에 포함

Note: Total includes other areas.

## 7-6. 산업부문 에너지 소비

## Energy Consumption of Industry

단위 : 1,000toe

Unit : 1,000toe

	합계 Total	석탄 Coal	석유 Petroleum	가스 <sup>1</sup> Gas	전력 Electricity	신재생및기타 <sup>2</sup> Renewables & Others <sup>2</sup>
1996	67,751	17,523	38,940	1,196	9,179	912
1997	78,322	18,266	47,429	1,496	10,009	1,123
1998	76,353	17,440	46,456	1,812	9,359	1,287
1999	80,114	17,822	47,800	2,530	10,394	1,568
2000	84,237	19,125	48,522	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	5,022	14,346	3,222
2006	98,577	21,398	53,114	5,585	15,021	3,459
2007	104,866	23,043	56,364	5,742	16,018	3,699
2008	106,902	24,791	54,964	6,497	16,738	3,912
2009	106,053	22,075	56,616	6,480	17,006	3,876
2010	116,590	27,288	57,576	8,318	19,193	4,215
2011	125,332	31,989	59,977	9,635	20,830	2,900
2012	126,368	30,185	60,073	10,656	21,426	4,028
2013	128,920	30,730	60,369	10,716	22,088	5,017
2014	132,897	34,452	61,343	9,819	22,757	4,526
2015	133,416	34,177	62,156	8,496	22,844	5,743
2016	135,698	31,770	66,820	8,581	23,218	5,309
2017	142,519	32,847	69,871	9,380	23,794	6,627
2018	143,498	32,048	69,294	11,065	24,399	6,691
2019	142,903	31,752	69,216	11,449	24,060	6,426
2020	137,964	30,216	66,483	11,415	23,108	6,743
2021	150,293	31,597	73,346	12,309	24,309	8,731
서울 Seoul	681	-	524	18	135	4
부산 Busan	1,422	36	352	371	628	35
대구 Daegu	1,016	179	87	228	478	44
인천 Incheon	5,044	1	3,484	499	1,015	46
광주 Gwangju	422	-	28	141	251	2
대전 Daejeon	435	-	45	107	209	75
울산 Ulsan	27,052	455	20,020	3,363	2,404	810
세종 Sejong	272	-	16	54	157	46
경기 Gyeonggi	9,540	224	1,293	1,608	5,971	444
강원 Gangwon	2,779	1,179	292	70	571	666
충북 Chungbuk	3,960	996	273	585	1,659	447
충남 Chungnam	33,596	7,240	20,702	1,081	3,205	1,368
전북 Jeonbuk	2,148	1	388	452	1,090	218
전남 Jeonnam	41,874	11,310	24,574	1,748	2,046	2,196
경북 Gyeongbuk	16,654	9,947	463	1,489	2,585	2,171
경남 Gyeongnam	3,139	30	719	496	1,757	137
제주 Jeju	260	-	86	-	151	23

1. 천연가스, 도시가스

2. 「신에너지 및 재생에너지 개발·이용·보급 촉진법」 개정(2019.10)에 따라 신재생에너지를 "신재생 및 기타"로 표기

주 1. 전국에는 기타지역 포함.

2. 2014년 이전 세종은 충남에 포함

1. Natural gas, City gas

2. It has changed from renewables to renewables &amp; others, following the revision of Act on the promotion of the development, use and diffusion of new and renewable energy.

Note: Total includes other areas.

## 7-7. 수송부문 에너지 소비

## Energy Consumption of Transportation

단위 : 1,000toe

Unit : 1,000toe

	합계 Total	석유 Petroleum	도시가스 City gas	전력 Electricity	신재생및기타 Renewables& Others
1996	29,789	29,644	-	145	-
1997	30,736	30,584	-	151	-
1998	26,178	26,042	-	136	-
1999	28,625	28,476	-	149	-
2000	30,945	30,770	-	175	-
2001	31,910	31,708	7	194	-
2002	33,765	33,490	80	195	-
2003	34,634	34,288	146	200	-
2004	34,635	34,178	239	213	6
2005	35,534	34,958	339	224	13
2006	36,522	35,776	475	218	53
2007	37,059	36,139	615	209	96
2008	35,756	34,606	777	196	178
2009	35,892	34,491	960	187	254
2010	36,903	35,246	1,112	188	357
2011	36,842	35,139	1,174	193	336
2012	36,783	34,982	1,248	194	360
2013	36,961	34,928	1,299	186	548
2014	37,241	35,308	1,307	172	454
2015	39,851	37,928	1,288	191	445
2016	42,271	40,328	1,270	231	443
2017	43,183	41,255	1,253	246	428
2018	42,969	40,782	1,238	265	683
2019	42,996	40,809	1,216	271	700
2020	39,436	37,376	1,099	271	690
2021	40,170	38,195	1,060	318	597
서울 Seoul	3,749	3,401	235	48	66
부산 Busan	1,990	1,834	93	30	34
대구 Daegu	1,302	1,201	61	14	27
인천 Incheon	3,065	2,941	78	8	38
광주 Gwangju	916	863	32	5	16
대전 Daejeon	861	808	34	3	15
울산 Ulsan	1,888	1,834	31	9	13
세종 Sejong	213	198	5	6	4
경기 Gyeonggi	9,769	9,217	308	96	148
강원 Gangwon	1,484	1,442	10	9	22
충북 Chungbuk	1,745	1,674	18	30	23
충남 Chungnam	2,431	2,378	14	8	31
전북 Jeonbuk	1,637	1,573	26	12	26
전남 Jeonnam	2,775	2,707	27	8	33
경북 Gyeongbuk	2,848	2,755	35	19	40
경남 Gyeongnam	2,810	2,705	52	8	45
제주 Jeju	687	664	-	7	15

1. 「신에너지 및 재생에너지 개발·이용·보급 촉진법」 개정(2019.10)에 따라  
신재생에너지를 “신재생 및 기타”로 표기

주 1. 전국에는 기타지역 포함.

2. 2014년 이전 세종은 충남에 포함

1. It has changed from renewables to renewables & others, following the  
revision of Act on the promotion of the development, use and diffusion of  
new and renewable energy.

Note: Total includes other areas.

## 7-8. 가정·상업부문 에너지 소비

## Energy Consumption of Residential &amp; Commercial Sector

단위: 1,000 toe

Unit: 1,000 toe

	합계 Total	석탄 Coal	석유제품 Petroleum	도시가스 <sup>1</sup> City gas <sup>1</sup>	전력 Electricity	열에너지 Heat	신재생 및 기타 <sup>2</sup> Renewables & Others <sup>2</sup>
1996	31,374	883	18,452	5,588	5,464	796	192
1997	32,768	625	18,570	6,436	6,090	892	154
1998	27,156	553	12,999	6,454	6,122	866	162
1999	31,640	503	15,382	7,784	6,793	1,015	163
2000	32,153	536	13,407	9,024	7,891	1,146	148
2001	32,639	553	12,327	9,412	9,005	1,191	151
2002	34,160	529	11,893	10,241	9,859	1,287	351
2003	34,786	539	11,073	10,889	10,585	1,356	344
2004	34,566	626	9,578	11,293	11,352	1,415	302
2005	36,336	912	8,955	12,503	12,233	1,609	123
2006	35,921	1,063	7,496	12,858	12,883	1,507	115
2007	35,941	1,014	6,942	12,831	13,513	1,533	108
2008	36,286	1,088	6,569	12,763	14,143	1,622	101
2009	35,829	940	6,145	12,332	14,594	1,657	162
2010	37,425	901	6,397	12,489	15,636	1,898	105
2011	38,265	871	5,937	13,201	15,758	1,932	565
2012	38,603	832	5,371	13,797	16,049	2,055	498
2013	37,765	872	4,999	13,578	16,077	2,023	215
2014	35,627	745	4,707	12,599	15,706	1,501	368
2015	37,021	672	5,320	12,661	16,020	1,931	417
2016	38,721	571	5,684	13,292	16,650	2,133	391
2017	39,860	513	5,693	13,918	16,932	2,386	417
2018	41,334	432	5,325	14,614	17,801	2,621	540
2019	40,056	306	4,824	14,109	17,666	2,572	579
2020	39,912	242	4,354	14,119	17,727	2,703	767
2021	41,194	212	4,255	14,393	18,610	2,818	905
서울 Seoul	8,093	33	300	3,721	3,532	470	37
부산 Busan	2,216	-	190	905	1,024	54	44
대구 Daegu	1,730	-	164	715	750	85	16
인천 Incheon	2,341	-	134	845	1,026	301	34
광주 Gwangju	1,054	7	58	472	464	40	13
대전 Daejeon	1,175	8	63	530	525	35	14
울산 Ulsan	855	-	46	379	419	-	11
세종 Sejong	248	-	22	42	171	5	8
경기 Gyeonggi	10,923	20	848	3,407	4,765	1,681	201
강원 Gangwon	1,475	37	296	363	725	1	52
충북 Chungbuk	1,332	19	218	368	613	57	57
충남 Chungnam	1,855	8	342	510	864	36	95
전북 Jeonbuk	1,438	5	253	470	642	-	67
전남 Jeonnam	1,415	1	301	348	686	-	79
경북 Gyeongbuk	2,276	72	444	653	1,030	6	71
경남 Gyeongnam	2,376	2	401	707	1,140	48	77
제주 Jeju	527	-	174	30	294	-	29

1. 2019년 이후 지역별 공공부문 도시가스 소비량은 가정·상업 부문에 포함.

2. 「신에너지 및 재생에너지 개발·이용·보급 촉진법」 개정(2019.10)에 따라 신재생에너지를 "신재생 및 기타"로 표기

주 1. 전국에는 기타지역 포함.

2. 2014년 이전 세종은 충남에 포함

## 7-9. 공공부문 에너지 소비

## Energy Consumption of Public service

단위: 1,000 toe

Unit: 1,000 toe

	합계 Total	석탄 Coal	석유제품 Petroleum	도시가스 <sup>1</sup> City gas <sup>1</sup>	전력 Electricity	열에너지 Heat	신재생 및 기타 <sup>2</sup> Renewables & Others <sup>2</sup>
1996	2,659	-	1,530	153	904	15	57
1997	2,715	-	1,453	161	1,017	17	67
1998	2,489	-	1,215	160	1,022	16	77
1999	2,649	-	1,270	199	1,086	18	75
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	4,800	-	1,241	112	2,355	44	1,048
2012	5,214	-	1,258	181	2,459	47	1,270
2013	4,716	-	1,227	98	2,485	46	859
2014	4,683	-	1,306	85	2,438	27	827
2015	5,101	-	1,450	85	2,540	36	990
2016	5,246	-	1,432	88	2,646	50	1,030
2017	5,461	-	1,470	77	2,694	55	1,166
2018	5,567	-	1,429	99	2,784	61	1,195
2019	5,399	-	1,276	78	2,766	74	1,205
2020	5,251	-	1,130	70	2,692	66	1,292
2021	5,702	-	1,140	74	2,637	82	1,769
서울 Seoul	881	-	314	-	361	8	198
부산 Busan	183	-	29	-	133	1	20
대구 Daegu	264	-	94	-	90	4	75
인천 Incheon	284	-	96	-	95	8	85
광주 Gwangju	68	-	3	-	53	2	11
대전 Daejeon	128	-	11	-	104	1	13
울산 Ulsan	220	-	97	-	58	-	66
세종 Sejong	57	-	2	-	36	-	18
경기 Gyeonggi	1,270	-	143	-	659	50	418
강원 Gangwon	280	-	99	-	143	0	38
충북 Chungbuk	224	-	19	-	143	2	61
충남 Chungnam	466	-	24	-	122	1	319
전북 Jeonbuk	297	-	25	-	106	-	166
전남 Jeonnam	244	-	37	-	141	-	66
경북 Gyeongbuk	251	-	26	-	176	4	45
경남 Gyeongnam	403	-	102	-	173	1	127
제주 Jeju	108	-	21	-	45	-	43

1. Regional city gas consumption of public service is includes at residential &amp; commercial.

2. It has changed from renewables to renewables &amp; others, following the revision of Act on the promotion of the development, use and diffusion of new and renewable energy.

Note: Total includes other areas.





## 2. 석 탄

### Coal

#### 1. 무연탄

Anthracite

1-1. 무연탄 국내 생산

Anthracite Domestic Production

1-2. 무연탄 소비

Anthracite Consumption

1-3. 민수용 무연탄 소비

Anthracite Consumption for Residential Use

1-4. 발전용 무연탄 소비

Anthracite Consumption for Power Generation

1-5. 탄전별 매장량

Coal Reserves by Field

1-6. 생산규모별 탄광 현황

Number of Anthracite Mines by Production Size

1-7. 연탄공장 현황

Number of Briquette Factories

1-8. 무연탄 가격(고시가격 기준)

Anthracite Price

1-9. 연탄 가격

Briquette Price

1-10. 탄광재해 현황

Coal Mining Accidents

#### 2. 유연탄

Bituminous Coal

2-1. 유연탄 수입 물량 및 단가

Bituminous Coal Import and Price

2-2. 용도별 유연탄 소비

Bituminous Coal Consumption by Uses

## 1-1. 무연탄 국내 생산

단위: 1,000톤

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	경기 Gyeonggi
1991	15,058	-	-	-	-	-	-	-	-
1992	11,970	-	-	-	-	-	-	-	-
1993	9,443	-	-	-	-	-	-	-	-
1994	7,438	-	-	-	-	-	-	-	-
1995	5,720	-	-	-	-	-	-	-	-
1996	4,951	-	-	-	-	-	-	-	-
1997	4,514	-	-	-	-	-	-	-	-
1998	4,361	-	-	-	-	-	-	-	-
1999	4,197	-	-	-	-	-	-	-	-
2000	4,150	-	-	-	-	-	-	-	-
2001	3,817	-	-	-	-	-	-	-	-
2002	3,318	-	-	-	-	-	-	-	-
2003	3,299	-	-	-	-	-	-	-	-
2004	3,191	-	-	-	-	-	-	-	-
2005	2,832	-	-	-	-	-	-	-	-
2006	2,824	-	-	-	-	-	-	-	-
2007	2,886	-	-	-	-	-	-	-	-
2008	2,773	-	-	-	-	-	-	-	-
2009	2,519	-	-	-	-	-	-	-	-
2010	2,084	-	-	-	-	-	-	-	-
2011	2,084	-	-	-	-	-	-	-	-
2012	2,094	-	-	-	-	-	-	-	-
2013	1,815	-	-	-	-	-	-	-	-
2014	1,748	-	-	-	-	-	-	-	-
2015	1,764	-	-	-	-	-	-	-	-
2016	1,726	-	-	-	-	-	-	-	-
2017	1,485	-	-	-	-	-	-	-	-
2018	1,202	-	-	-	-	-	-	-	-
2019	1,084	-	-	-	-	-	-	-	-
2020	1,019	-	-	-	-	-	-	-	-
2021	898	-	-	-	-	-	-	-	-

자료: 대한석탄협회



## 1-1. Anthracite domestic Production

Unit: 1,000 ton

강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	기타 Others	
10,875	466	1,159	-	909	1,649	-	-	-	1991
9,307	210	545	-	849	1,044	-	-	15	1992
7,676	158	267	-	796	544	-	-	2	1993
6,092	110	107	-	764	364	-	-	1	1994
4,909	83	28	-	484	216	-	-	-	1995
4,317	62	-	-	430	142	-	-	-	1996
3,920	66	-	-	386	142	-	-	-	1997
3,706	100	-	-	398	157	-	-	-	1998
3,614	99	-	-	356	128	-	-	-	1999
3,566	99	-	-	353	132	-	-	-	2000
3,300	100	-	-	302	115	-	-	-	2001
2,833	98	-	-	272	115	-	-	-	2002
2,828	80	-	-	276	115	-	-	-	2003
2,734	79	-	-	275	103	-	-	-	2004
2,419	80	-	-	272	61	-	-	-	2005
2,480	82	-	-	262	-	-	-	-	2006
2,529	79	-	-	278	-	-	-	-	2007
2,453	72	-	-	248	-	-	-	-	2008
2,259	20	-	-	240	-	-	-	-	2009
1,846	-	-	-	238	-	-	-	-	2010
1,856	-	-	-	228	-	-	-	-	2011
1,862	-	-	-	232	-	-	-	-	2012
1,578	-	-	-	237	-	-	-	-	2013
1,526	-	-	-	222	-	-	-	-	2014
1,536	-	-	-	228	-	-	-	-	2015
1,503	-	-	-	223	-	-	-	-	2016
1,286	-	-	-	199	-	-	-	-	2017
1,070	-	-	-	132	-	-	-	-	2018
984	-	-	-	100	-	-	-	-	2019
928	-	-	-	92	-	-	-	-	2020
823	-	-	-	75	-	-	-	-	2021

Source: Korea Coal Association

## 1-2. 무연탄 소비

단위: 1,000톤

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan
1991	17,674	4,874	1,358	960	639	690	454	-
1992	13,596	3,480	1,051	695	522	511	362	-
1993	10,866	2,379	771	483	473	378	259	-
1994	7,549	1,391	505	280	237	219	162	-
1995	6,263	237	358	161	182	110	87	-
1996	5,368	455	261	91	151	88	57	-
1997	4,230	292	54	59	160	63	48	-
1998	4,631	255	38	42	19	56	44	-
1999	4,992	218	38	39	65	49		-
2000	6,196	226	37	65	165	48	43	-
2001	7,905	223	40	34	154	51	59	367
2002	7,687	193	41	33	154	47	46	367
2003	8,581	180	40	41	101	44	51	719
2004	8,138	209	41	73	11	48	53	633
2005	9,033	310	53	124	18	66	74	546
2006	9,830	320	63	159	32	78	104	600
2007	9,698	298	61	148	-	69	94	687
2008	10,214	300	56	169	-	84	116	514
2009	9,776	259	53	134	-	86	106	527
2010	10,104	248	38	126	-	78	107	604
2011	11,072	247	34	117	-	74	103	-
2012	10,315	277	31	116	3	72	104	37
2013	10,506	290	33	121	3	75	108	37
2014	9,925	246	26	95	3	59	100	36
2015	10,539	222	24	86	3	53	91	40
2016	10,801	192	21	72	3	41	92	40
2017	8,260	176	10	55	3	38	67	35
2018	9,272	143	3	14	3	33	53	42
2019	7,923	105	3	-	3	25	28	35
2020	7,189	88	3	-	3	19	17	32
2021	7,324	71	3	-	3	16	16	34
발전	900	-	-	-	-	-	-	-
산업	5,975	-	3	-	3	-	-	34
가정·상업	449	71	-	-	-	16	16	-

자료: 대한석탄협회

## 1-2. Anthracite Consumption

Unit: 1,000 ton

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
1,026	1,582	614	1,947	882	592	1,052	918	86	1991
712	1,438	512	1,596	629	518	858	647	64	1992
462	1,433	357	1,468	571	479	872	434	47	1993
289	1,211	342	1,343	420	351	524	249	28	1994
221	1,397	182	1,204	317	348	753	138	18	1995
178	1,402	115	1,143	242	367	722	87	10	1996
160	1,279	82	1,142	221	243	356	64	7	1997
147	1,927	124	1,022	183	385	341	43	6	1998
125	1,866	214	920	157	683	539	42	5	1999
132	2,117	255	919	153	1,235	760	37	4	2000
134	1,988	319	898	124	2,181	1,295	34	3	2001
141	1,882	309	853	109	2,176	1,302	31	3	2002
126	2,036	326	858	94	2,320	1,612	32	2	2003
125	1,860	350	797	57	2,311	1,533	34	1	2004
207	1,961	425	835	68	2,914	1,360	73	-	2005
185	2,007	467	836	474	2,658	1,745	102	-	2006
158	2,340	463	749	72	2,657	1,809	94	-	2007
177	3,159	584	702	79	2,485	1,702	86	-	2008
148	3,871	395	502	68	2,067	1,488	72	-	2009
128	3,869	412	348	65	2,365	1,651	64	-	2010
121	4,793	430	579	60	2,638	1,817	59	-	2011
119	1,688	328	2,558	59	1,712	2,796	415	-	2012
125	1,549	341	2,779	62	1,678	2,877	426	-	2013
101	1,765	293	2,735	53	1,602	2,706	104	-	2014
92	1,371	278	3,415	48	1,776	2,932	107	-	2015
82	1,966	259	3,183	42	1,793	2,912	102	-	2016
60	984	249	2,380	31	1,558	2,521	92	-	2017
50	1,214	250	2,477	25	1,879	2,981	105	-	2018
45	1,326	193	2,053	17	1,558	2,450	81	-	2019
44	1,105	126	1,913	13	1,454	2,305	69	-	2020
45	1,038	98	2,000	13	1,521	2,405	63	-	2021
-	900	-	-	-	-	-	-	-	Generating
3	59	58	1,984	2	1,520	2,252	59	-	Industry
42	79	40	16	11	1	153	4	-	Residential & Commercial

Source: Korea Coal Association

## 1-3. 민수용 무연탄 소비

단위: 1,000톤

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan
1991	15,184	4,792	1,172	933	494	664	447	-
1992	11,189	3,444	851	686	327	500	359	-
1993	7,837	2,339	576	477	227	370	259	-
1994	4,684	1,332	324	272	132	218	160	-
1995	3,005	781	193	160	83	110	87	-
1996	1,961	453	108	91	54	88	57	-
1997	1,389	292	54	59	27	63	48	-
1998	1,229	255	38	42	19	56	44	-
1999	1,117	218	38	39	17	49	34	-
2000	1,192	226	37	37	7	48	43	-
2001	1,230	223	40	34	-	51	59	-
2002	1,175	193	41	33	-	47	46	-
2003	1,191	180	40	41	-	44	51	-
2004	1,385	209	41	73	-	48	53	-
2005	2,010	310	53	124	-	66	74	-
2006	2,327	320	59	159	-	78	104	-
2007	2,091	298	52	148	-	69	94	-
2008	2,289	300	53	169	-	84	116	-
2009	1,941	259	46	134	-	86	106	-
2010	1,859	248	38	126	-	78	107	-
2011	1,822	247	34	117	-	74	103	-
2012	1,833	259	32	117	-	74	103	-
2013	1,917	290	30	121	-	75	108	-
2014	1,629	240	25	100	-	64	95	-
2015	1,473	222	21	86	-	53	91	-
2016	1,255	192	17	72	-	41	92	-
2017	1,079	176	7	55	-	38	67	-
2018	910	143	-	14	-	33	53	-
2019	644	105	-	-	-	25	28	-
2020	510	88	-	-	-	19	17	-
2021	449	71	-	-	-	16	16	-

주: 인천, 울산, 제주는 연탄 공장이 없어 타 지역에서 공급 받아서 소비 실적에서 제외  
 자료: 대한석탄협회

### 1-3. Anthracite Consumption for Residential Use

Unit: 1,000 ton

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
1,020	770	586	840	767	577	963	885	86	1991
710	627	479	673	528	413	776	632	64	1992
460	470	353	445	418	304	575	427	47	1993
280	322	244	261	281	202	394	234	28	1994
222	263	148	170	184	137	311	138	18	1995
178	203	97	105	116	97	216	87	10	1996
160	162	82	72	79	71	156	57	7	1997
147	154	77	71	71	65	142	43	6	1998
124	144	93	61	67	54	135	39	5	1999
132	159	126	59	60	53	164	37	4	2000
134	180	139	44	54	43	191	33	3	2001
141	175	148	42	44	38	195	31	3	2002
126	169	170	48	44	33	212	32	2	2003
125	181	202	67	57	32	260	34	1	2004
207	233	293	105	68	44	382	52	-	2005
185	268	342	148	82	54	459	69	-	2006
158	261	287	119	72	51	420	62	-	2007
176	299	299	129	79	49	466	71	-	2008
148	272	252	104	68	18	390	58	-	2009
128	258	256	100	65	15	392	48	-	2010
121	245	256	96	60	16	412	41	-	2011
115	256	254	99	56	15	406	47	-	2012
121	255	278	108	59	15	411	47	-	2013
99	224	240	91	50	13	346	43	-	2014
89	210	210	79	46	11	327	38	-	2015
79	186	192	36	40	8	268	32	-	2016
57	167	190	33	29	6	221	32	-	2017
47	150	179	30	23	4	203	32	-	2018
42	101	133	23	15	3	146	21	-	2019
41	77	71	18	11	2	153	13	-	2020
42	79	40	16	11	1	153	4	-	2021

Source: Korea Coal Association

## 1-4. 발전용 무연탄 소비

## Anthracite Consumption for Power Generation

단위: 1,000톤

Unit: 1,000 ton

	전국	부산	강원				충남서천	전북군산
	Total	Busan	Gyeonggi	영월 Yeongwol	영동 Yeongdong	동해 Donghae	Chungnam Seocheon	Jeonbuk Gunsan
1991	2,070	156	780	334	446	-	1,046	88
1992	1,945	187	791	330	461	-	878	89
1993	2,272	179	962	432	530	-	987	144
1994	2,192	174	856	352	504	-	1,034	128
1995	2,421	163	1,134	414	720	-	991	133
1996	2,349	54	1,129	370	759	-	1,041	125
1997	2,323	-	1,147	386	747	14	1,038	138
1998	2,451	-	1,388	365	723	300	951	112
1999	2,552	-	1,604	199	631	774	859	89
2000	2,850	-	1,897	170	606	1,121	860	93
2001	2,689	-	1,765	-	590	1,175	853	71
2002	2,558	-	1,682	-	471	1,211	811	65
2003	2,710	-	1,850	-	648	1,202	810	50
2004	2,356	-	1,626	-	500	1,126	730	-
2005	2,354	-	1,624	-	526	1,098	730	-
2006	2,356	-	1,668	-	518	1,150	688	-
2007	2,156	-	1,526	-	474	1,052	630	-
2008	1,960	-	1,387	-	431	956	573	-
2009	1,360	-	962	-	292	670	398	-
2010	839	-	590	-	189	402	248	-
2011	543	-	385	-	120	265	158	-
2012	591	-	420	-	222	198	171	-
2013	323	-	218	-	79	139	105	-
2014	250	-	180	-	50	130	70	-
2015	245	-	165	-	80	85	80	-
2016	240	-	176	-	78	98	64	-
2017	235	-	191	-	18	173	44	-
2018	230	-	230	-	-	230	-	-
2019	400	-	400	-	-	400	-	-
2020	400	-	400	-	-	400	-	-
2021	400	-	400	-	-	400	-	-

주: 발전용 국내무연탄 소비임.  
 자료: 대한석탄협회

Note: Anthracite includes only domestic coal.  
 Source: Korea Coal Association

## 1-5. 탄전별 매장량

## Coal Reserves by Field

단위: 1,000톤

Unit: 1,000 ton

	매장량 Reserves	가채광량(A) Recoverable Reserves	잠재가채광량(B) Potential Recoverable	가채광량계(A+B) Total Recoverable Reserves
전국	664,881	90,917	80,099	171,015
Total	(657,096)	(213,981)	(159,104)	(373,085)
강릉	4,583	1,316	1,877	3,193
Gangeung	(59,181)	(19,548)	(20,670)	(40,218)
정선	362,780	25,983	35,119	61,102
Jeongseon	(88,170)	(18,886)	(17,980)	(36,866)
삼척	212,952	41,450	20,159	61,609
Samcheok	(233,532)	(88,985)	(52,726)	(141,711)
단양	20,531	4,165	5,739	9,904
Danyang	(41,536)	(11,674)	(9,315)	(20,989)
문경	1,537	430	645	1,075
Mungyeong	(68,391)	(24,976)	(17,935)	(42,911)
보은	-	-	-	-
Boeun	(24,144)	(9,274)	(7,094)	(16,368)
충남	10,625	2,791	2,389	5,180
Chungnam	(105,668)	(27,111)	(21,607)	(48,718)
호남	50,891	14,500	13,777	28,277
Honam	(33,119)	(12,152)	(10,831)	(22,983)
기타	981	283	393	676
Others	(3,355)	(1,376)	(946)	(2,322)

주: 2020년 12월 말 기준이며, ( )는 합리화된 광산임.  
자료: 대한석탄협회

Note: The figures in parenthesis denoted abandoned mine  
Source: Korea Coal Association

## 1-6. 생산규모별 국내 탄광 현황

## Number of Anthracite Mines by Production Size

단위: 개

Unit: each

	합계 Total	5만톤 이하 50,000M/T Under	5 ~ 10만	10 ~ 30만	30 ~ 50만	50만톤 이상 50,000M/T Over
1995	27	15	3	2	2	5
1996	11	1	1	2	3	4
1997	11	1	1	2	4	3
1998	12	2	1	2	4	3
1999	11	1	1	2	4	3
2000	12	2	1	3	3	3
2001	13	3	1	3	3	3
2002	10	1	1	4	2	2
2003	9	0	2	3	2	2
2004	9	0	1	4	2	2
2005	8	0	2	3	1	2
2006	7	0	1	3	1	2
2007	7	0	1	3	1	2
2008	7	0	1	3	1	2
2009	6	1	0	2	1	2
2010	5	0	0	2	1	2
2011	5	0	0	2	1	2
2012	5	0	0	2	1	2
2013	5	0	1	1	1	2
2014	5	1	-	2	-	2
2015	5	1	-	1	2	1
2016	5	1	-	1	2	1
2017	5	1	-	1	2	1
2018	5	1	-	3	-	1
2019	4	-	-	3	-	1
2020	4	-	1	2	-	1
2021	4	-	1	2	-	1

자료: 대한석탄협회

Source: Korea Coal Association



## 1-7. 연탄공장 현황

## Number of Briquette Factories

단위: 개

Unit: each

	2005	2010	2011	2011	2013	2014	2015	2016	2017	2018	2019	2020	2021
전국 Total	62	50	51	51	48	48	49	46	48	45	44	39	34
서울 Seoul	3	2	2	2	2	2	2	2	2	2	2	1	1
부산 Busan	3	1	1	1	1	1	1	1	1	-	-	-	-
대구 Daegu	4	3	3	3	3	3	3	3	3	-	-	-	-
세종 Sejong	-	-	-	-	1	1	1	1	1	-	-	-	-
인천 Incheon	-	-	-	-	-	-	-	-	-	-	-	-	-
광주 Gwangju	1	1	1	1	1	1	1	1	1	1	1	1	1
대전 DaeJeon	3	3	3	3	3	3	3	3	3	3	3	3	3
울산 Ulsan	-	-	-	-	-	-	-	-	-	-	-	-	-
경기 Gyeonggi	2	2	2	2	1	1	1	1	1	1	1	1	1
강원 Kangwon	11	11	11	11	10	10	11	10	11	12	12	11	10
충북 Chungbuk	5	5	6	6	6	6	6	6	6	6	6	4	4
충남 Chungnam	5	3	3	3	2	2	2	2	2	2	2	2	2
전북 Jeonbuk	4	2	2	2	2	2	2	2	2	1	1	1	1
전남 Jeonnam	6	2	2	2	2	2	2	2	2	2	1	1	1
경북 Gyeongbuk	13	14	14	14	13	13	13	11	12	14	14	13	10
경남 Gyeongnam	2	1	1	1	1	1	1	1	1	1	1	1	-
제주 Jeju	-	-	-	-	-	-	-	-	-	-	-	-	-

자료: 대한석탄협회

Source: Korea Coal Association

## 1-8. 무연탄 가격(고시가격 기준)

## Anthracite Price

단위: 원/톤

Unit: won/ton

급 수 Grade	1급 1st Grade	2급 2st Grade	3급 3st Grade	4급 4st Grade	5급 5st Grade	6급 6st Grade	7급 7st Grade	8급 8st Grade	9급 9st Grade
발열량 Calorific Value (kcal/kg)	5,200~5,399	5,000~5,199	4,800~4,999	4,600~4,799	4,400~4,599	4,200~4,399	4,000~4,199	3,750~3,999	3,500~3,749
1991. 8. 2	자율가격	자율가격	45,110	42,930	40,740	38,520	36,310	34,100	31,900
1992. 7. 15	"	"	45,110	42,930	40,740	38,520	36,310	34,100	31,900
1993. 8. 11	"	"	45,110	42,930	40,740	38,520	36,310	34,100	31,900
1994. 12. 19	"	"	45,110	42,930	40,740	38,520	자율가격	자율가격	자율가격
1996. 1. 1	"	"	45,110	42,930	40,740	38,520	"	"	"
1996. 9. 1	"	"	47,370	45,080	42,780	40,450	"	"	"
1997. 9. 1	"	"	52,100	49,580	47,050	44,490	"	"	"
1998. 10. 1	"	"	59,910	57,010	54,100	51,160	"	"	"
1999. 11. 1	"	"	68,890	65,560	62,210	58,830	"	"	"
2000. 11. 1	"	"	68,890	65,560	62,210	58,830	"	"	"
2001. 9. 1	"	"	68,890	65,560	62,210	58,830	"	"	"
2002. 12. 1	"	"	72,300	68,840	65,320	61,770	"	"	"
2003. 12. 1	"	"	75,950	72,280	68,590	64,860	"	"	"
2004. 12. 1	"	"	81,650	77,700	73,730	69,720	"	"	"
2005. 9. 1	"	"	89,820	85,470	81,110	76,700	"	"	"
2006. 12. 3	"	"	98,800	94,020	89,220	84,370	"	"	"
2007. 12. 31	"	"	107,940	103,950	99,950	95,960	"	"	"
2008. 10. 1	"	"	124,660	120,050	115,430	110,830	"	"	"
2009. 11. 1	"	"	133,570	128,630	123,680	118,750	"	"	"
2010. 11. 1	"	"	133,570	128,630	123,680	118,750	"	"	"
2011. 8. 1	"	"	153,600	147,920	142,230	136,660	"	"	"
2014. 12. 18	"	"	153,600	147,920	142,230	136,560	"	"	"
2016. 10. 4	"	"	165,950	159,810	153,670	147,540	"	"	"
2017. 11. 28	"	"	179,290	172,660	166,030	159,400	"	"	"
2018.11.23	"	"	193,710	186,540	179,380	172,220	"	"	"
2019. 9.20	"	"	193,710	186,540	179,380	172,220	"	"	"
2020.12.16	"	"	193,710	186,540	179,380	172,220	"	"	"
2021.12.17	"	"	193,710	186,540	179,380	172,220	"	"	"

자료: 대한석탄협회

Source: Korea Coal Association

## 1-9. 연탄 가격

## Briquette Price

단위: 원

Unit: won

	연탄가격 <sup>1</sup> Price of Briquette <sup>1</sup>					
	공장도 Plant Gate Price		판매소도 Seller's Gate Price		가정도 House Gate Price	
	가격(원) Price(Won)	인상율(%) Increasing Rate(%)	가격(원) Price(Won)	인상율(%) Increasing Rate(%)	가격(원) Price(Won)	인상율(%) Increasing Rate(%)
1996. 9. 5	167.25	-	시·도지사결정	-	시·도지사결정	-
1997. 9. 1	167.25	동결	"	-	"	-
1998. 10. 1	167.25	"	"	-	"	-
1999. 11. 1	167.25	"	"	-	"	-
2000. 11. 1	167.25	"	"	-	"	-
2001. 9. 1	167.25	"	"	-	"	-
2003. 3. 1	184	10	201.75	-	"	-
2003. 12. 1	184	동결	201.75	동결	"	-
2004. 12. 1	184	"	201.75	"	"	-
2005. 9. 1	184	"	201.75	"	"	-
2007. 4. 1	221	20.1	238.75	18.34	"	-
2008. 4. 1	287.25	30	305	27.75	"	-
2009. 11. 1	373.5	30	391.25	28.28	"	-
2011. 8. 1	373.5	동결	391.25	동결	"	-
2016. 10. 4	446.75	19.6	464.50	18.7	"	-
2017. 11. 28	534.25	19.6	552.00	18.8	"	-
2018. 11. 23	639.00	19.6	656.75	19	"	-
2019. 9. 20	639.00	동결	656.75	동결	"	-
2020. 12. 16	639.00	"	656.75	"	"	-
2021. 12. 17	639.00	"	656.75	"	"	-

1. 서울시 3.6kg 연탄 판매가 기준  
자료: 대한석탄협회

1. Briquette price based on 3.6kg in Seoul.  
Source: Korea Coal Association

## 1-10. 탄광재해 현황

## Coal Mining Accidents

가. 생산 백만톤당 재해율 (Accident rate per production mil.ton)

	탄광수 No. of Mines	생산량(천톤) Production (1,000ton)	계 Total	백만톤당 재해율(명) Accident rate per mil. ton		
				사망 Death	중상 Severe injury	경상 Slight injury
2001	13	3,817	25.9	3.7	8.9	13.3
2002	10	3,318	21.1	4.2	6.0	10.9
2003	9	3,299	18.8	2.1	6.1	10.6
2004	9	3,191	15.0	1.6	3.4	10.0
2005	8	2,832	7.8	1.1	2.5	4.2
2006	7	2,824	11.0	-	2.8	8.2
2007	7	2,886	25.3	1.0	11.8	12.5
2008	7	2,773	18.0	0.7	8.7	8.6
2009	6	2,519	19.1	1.6	8.3	9.2
2010	5	2,084	17.3	0.5	5.8	11.0
2011	5	2,084	14.9	1.0	6.7	7.2
2012	5	2,094	20.1	1.9	7.2	11.0
2013	5	1,815	23.7	1.9	9.9	12.1
2014	5	1,748	6.3	1.2	3.4	1.7
2015	5	1,764	7.9	0.6	2.8	4.5
2016	5	1,726	11.0	1.7	2.9	6.4
2017	5	1,485	12.8	3.4	4.0	5.4
2018	5	1,202	5.0	0.8	-	4.2
2019	4	1,084	11.9	1.8	4.6	5.5
2020	4	1,019	5.9	1.0	2.9	2.0
2021	4	898	3.3	0.0	2.2	1.1

자료: 대한석탄협회

Source: Korea Coal Association

나. 연가동인원 백만명당 재해율 (Accident rate per mil. shift)

	종업원수(명) Employee(person)	연가동인원(천명) Shift per year (1,000persons)	계 Total	연가동 백만인당 재해율(명) Accident rate per mil. shift		
				사망 Death	중상 Severe injury	경상 Slight injury
2001	7,812	2,152	46	6.5	15.8	23.7
2002	6,872	1,896	36.9	7.4	10.5	19
2003	6,636	1,858	33.4	3.8	10.8	18.8
2004	6,570	1,759	27.3	2.8	6.3	18.2
2005	5,736	1,447	15.2	2.1	4.8	8.3
2006	5,888	1,422	21.8	-	5.6	16.2
2007	5,843	1,385	52.7	2.2	24.5	26
2008	5,301	1,275	39.2	1.6	18.8	18.8
2009	4,462	1,112	43.2	3.6	18.9	20.7
2010	4,050	995	36.2	1	12.1	23.1
2011	3,794	905	34.3	2.2	15.5	16.6
2012	3,706	890	47.2	4.5	16.9	25.8
2013	3,435	805	53.4	3.7	22.4	27.3
2014	3,104	745	14.8	2.7	8.1	4.0
2015	3,126	721	19.4	1.4	6.9	11.1
2016	3,172	724	26.2	4.1	6.9	15.2
2017	2,893	667	28.5	7.5	9.0	12.0
2018	2,490	617	9.7	1.6	-	8.1
2019	2,347	555	23.4	3.6	9.0	10.8
2020	2,219	535	11.2	1.9	5.6	3.7
2021	2,040	491	6.1	0.0	4.1	2.0

자료: 대한석탄협회

Source: Korea Coal Association

## 2-1. 유연탄 수입 물량 및 단가

## Bituminous Coal Import and Price

단위: 1,000톤, 백만\$

Unit: 1,000ton, Million\$

	계 Total		제철 Iron & Steel		연료 Steam	
	물량 Quantity	금액 Amount	물량 Quantity	금액 Amount	물량 Quantity	금액 Amount
1991	27,849	1,514	15,545	928	12,304	586
1992	29,321	1,535	16,381	939	12,940	-
1993	34,221	1,643	17,321	944	16,871	698
1994	37,854	1,695	16,902	860	20,952	835
1995	42,359	1,992	17,152	920	25,207	1,072
1996	45,160	2,251	18,184	1,031	26,976	1,219
1997	48,237	2,301	17,099	961	31,138	1,340
1998	50,566	2,147	17,943	940	32,622	1,207
1999	51,101	1,866	17,047	770	34,054	1,096
2000	59,601	2,033	19,568	830	40,032	1,203
2001	61,857	2,157	17,109	740	44,748	1,418
2002	64,640	2,254	14,759	670	49,881	1,584
2003	65,318	2,266	13,794	635	51,525	1,631
2004	72,103	3,891	15,122	1,483	56,981	3,243
2005	69,330	4,803	13,452	1,483	55,878	3,320
2006	70,888	4,700	14,130	1,626	56,758	3,074
2007	79,355	5,675	16,281	1,723	63,074	3,951
2008	90,469	11,156	18,831	4,297	71,638	6,859
2009	92,952	8,997	15,481	2,510	77,471	6,487
2010	106,096	11,425	18,943	3,372	87,153	8,053
2011	116,118	16,052	21,965	5,496	94,154	10,557
2012	114,645	14,221	20,895	4,239	93,750	9,982
2013	116,222	11,624	21,404	3,218	94,818	8,406
2014	117,873	10,723	24,361	3,056	93,512	7,667
2015	119,322	8,675	25,210	2,539	94,111	6,136
2016	118,468	8,168	24,652	2,588	93,816	5,580
2017	131,464	13,481	24,719	4,556	106,745	8,925
2018	131,520	14,668	24,716	4,522	106,803	10,146
2019	132,667	13,062	22,622	3,880	110,045	9,182
2020	115,373	8,805	21,234	2,549	94,139	6,256
2021	117,106	13,485	21,511	3,776	95,595	9,710

자료: 한국무역협회

Source: Korea International Trade Association

## 2-2. 용도별 유연탄 소비

## Bituminous Coal Consumption by Uses

단위: 1,000톤

Unit: 1,000ton

	합계	제철용	연료탄			
	Total	Iron & Steel	Steam	발전용 Generating	시멘트용 Cement	기타 Others
1996	44,809	17,303	27,506	19,019	5,758	2,729
1997	49,712	18,178	31,534	22,714	6,593	2,227
1998	51,261	18,329	32,932	25,682	5,019	2,231
1999	54,137	18,442	35,696	28,297	5,069	2,330
2000	60,346	19,415	40,931	33,305	5,308	2,319
2001	63,703	19,315	44,388	36,601	5,475	2,312
2002	68,274	20,097	48,177	40,143	5,669	2,365
2003	70,549	20,509	50,041	41,631	6,060	2,349
2004	73,984	20,839	53,145	45,512	5,309	2,324
2005	75,796	20,810	54,986	47,852	4,807	2,327
2006	78,001	20,731	57,270	50,199	4,738	2,333
2007	84,438	21,519	62,919	55,487	5,051	2,381
2008	94,013	23,568	70,445	62,791	5,236	2,418
2009	98,789	20,734	78,055	71,091	4,463	2,501
2010	111,162	27,210	83,952	76,674	4,564	2,714
2011	119,870	31,762	88,108	80,393	5,046	2,669
2012	117,872	31,487	86,385	79,136	4,625	2,624
2013	119,078	32,053	87,025	79,692	4,647	2,686
2014	123,399	37,611	85,788	78,227	4,916	2,645
2015	124,547	36,753	87,794	80,354	4,650	2,790
2016	118,509	33,460	85,049	77,761	4,591	2,696
2017	131,490	36,290	95,200	88,309	4,175	2,716
2018	131,779	34,619	97,160	90,764	3,709	2,687
2019	125,084	34,959	90,125	83,637	3,989	2,499
2020	109,382	33,797	75,585	69,772	3,404	2,410
2021	109,465	35,327	74,138	68,040	3,649	2,449
서울 Seoul	-	-	-	-	-	-
부산 Busan	58	-	58	-	-	58
대구 Daegu	302	-	302	-	-	302
인천 Incheon	11,270	-	11,270	11,270	-	-
광주 Gwangju	-	-	-	-	-	-
대전 Daejeon	-	-	-	-	-	-
울산 Ulsan	739	-	739	-	-	739
세종 Sejong	-	-	-	-	-	-
경기 Gyeonggi	377	-	377	-	-	377
강원 Gangwon	6,586	-	6,586	4,644	1,942	-
충북 Chungbuk	1,632	-	1,632	-	1,627	5
충남 Chungnam	45,342	8,888	36,454	36,454	-	-
전북 Jeonbuk	-	-	-	-	-	-
전남 Jeonnam	18,246	14,392	3,854	3,276	80	497
경북 Gyeongbuk	12,517	12,047	471	-	-	471
경남 Gyeongnam	12,395	-	12,395	12,395	-	-
제주 Jeju	-	-	-	-	-	-

자료: 대한석탄협회

Source: Korea Coal Association



### 3. 석 유

#### Petroleum

##### 1. 석유 제품별 생산 Petroleum Production

##### 2. 석유 제품별 소비 Primary Energy Production

##### 3. 부문별 석유 소비 Primary Energy Supply by Source

- 3-1. 서울특별시 Seoul City
- 3-2. 부산광역시 Busan City
- 3-3. 대구광역시 Daegu City
- 3-4. 인천광역시 Incheon City
- 3-5. 광주광역시 Gwangju City
- 3-6. 대전광역시 Daejeon City
- 3-7. 울산광역시 Ulsan City
- 3-8. 세종특별자치시 Sejong City
- 3-9. 경기도 Gyeonggi-do
- 3-10. 강원도 Gangwon-do
- 3-11. 충청북도 Chungcheongbuk-do
- 3-12. 충청남도 Chungcheongnam-do
- 3-13. 전라북도 Jeollabuk-do
- 3-14. 전라남도 Jeollanam-do
- 3-15. 경상북도 Gyeongsangbuk-do
- 3-16. 경상남도 Gyeongsangnam-do
- 3-17. 제주도 Jeju-do

##### 4. 제조업 업종별 석유 소비 Petroleum Consumption by Sub-Sector in Manufacturing

- 4-1. 서울특별시 Seoul City
- 4-2. 부산광역시 Busan City
- 4-3. 대구광역시 Daegu City
- 4-4. 인천광역시 Incheon City
- 4-5. 광주광역시 Gwangju City
- 4-6. 대전광역시 Daejeon City
- 4-7. 울산광역시 Ulsan City
- 4-8. 세종특별자치시 Sejong City
- 4-9. 경기도 Gyeonggi-do
- 4-10. 강원도 Gangwon-do
- 4-11. 충청북도 Chungcheongbuk-do
- 4-12. 충청남도 Chungcheongnam-do
- 4-13. 전라북도 Jeollabuk-do
- 4-14. 전라남도 Jeollanam-do
- 4-15. 경상북도 Gyeongsangbuk-do
- 4-16. 경상남도 Gyeongsangnam-do
- 4-17. 제주도 Jeju-do

##### 5. 석유제품 소비자 가격 Retail Prices of Petroleum Products

##### 6. 주유소 및 충전소 현황 Gas and LPG Station

- 6-1. 주유소 Gas Stations
- 6-2. 충전소 LPG Stations

## 1. 석유 제품별 생산

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C	납사 Naphtha
1991	408,215	28,536	13,596	127,271	2,883	1,848	143,452	53,044
1992	504,560	32,348	29,309	152,577	3,360	1,696	174,319	65,259
1993	539,986	41,271	31,915	167,967	3,515	1,600	184,006	65,480
1994	568,452	50,708	32,305	169,040	3,479	1,468	191,434	67,969
1995	643,102	60,459	41,921	180,908	3,922	1,444	203,886	88,319
1996	724,128	70,935	51,302	216,446	5,495	1,565	207,845	103,128
1997	911,462	78,648	71,899	264,173	4,243	1,451	232,394	154,319
1998	864,845	76,026	62,501	232,500	3,127	1,320	205,654	153,832
1999	911,086	75,159	90,501	218,670	3,869	1,258	235,451	164,447
2000	926,897	76,202	87,797	227,999	4,243	959	225,262	167,012
2001	907,345	76,507	74,833	218,888	3,826	841	220,976	162,670
2002	858,363	76,943	61,646	207,736	4,755	758	183,610	163,912
2003	841,038	73,048	63,338	202,677	4,717	668	198,615	148,923
2004	886,413	75,494	49,446	212,548	4,149	634	197,186	167,843
2005	922,897	73,823	43,294	230,964	4,097	719	206,331	176,369
2006	949,983	79,677	40,389	238,350	3,620	655	203,110	183,067
2007	955,898	78,212	28,387	253,196	3,440	761	180,022	196,755
2008	938,749	92,864	30,917	264,470	3,041	640	146,894	173,746
2009	912,654	108,680	32,514	261,714	2,940	488	121,151	159,064
2010	938,926	111,811	38,681	268,392	3,157	511	122,501	169,721
2011	1,002,257	123,612	34,718	292,281	3,168	531	121,217	195,101
2012	1,034,708	137,387	26,615	309,738	2,642	371	99,602	207,104
2013	1,001,980	135,012	21,499	297,779	2,383	335	76,742	207,645
2014	1,030,092	145,056	16,746	314,502	2,401	274	52,500	218,095
2015	1,116,986	157,326	18,493	333,421	3,017	266	54,689	249,936
2016	1,157,612	153,557	19,520	338,517	3,345	262	67,357	259,814
2017	1,229,652	157,908	19,896	344,882	2,624	199	65,139	309,868
2018	1,258,874	167,195	21,125	358,780	2,027	249	66,690	313,927
2019	1,250,710	168,227	20,705	366,713	1,999	125	55,663	313,163
2020	1,159,002	143,047	43,646	350,147	1,654	84	73,529	286,740
2021	1,163,818	166,558	52,825	336,185	1,630	66	73,991	285,600

1. 프로판 + 부탄

2. 파라핀왁스+석유코크+부생연료유+기타제품

자료: 한국석유공사「석유류수급통계」



## 1. Petroleum Production

Unit: 1,000barrel

용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	정제가스 Refinery Gas	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
404	17,562	12,746	6,873	-	-	-	1991
452	20,901	14,666	9,674	-	-	-	1992
429	20,230	13,982	9,591	-	-	-	1993
695	26,196	14,710	10,447	-	-	-	1994
736	34,981	15,722	10,803	-	-	-	1995
671	38,819	15,747	12,174	-	-	-	1996
626	42,438	20,854	14,945	5,028	14,120	6,324	1997
503	63,801	27,506	12,807	4,561	13,398	7,309	1998
630	53,056	30,229	13,141	4,806	13,714	6,155	1999
629	59,568	34,915	13,582	6,739	15,137	6,854	2000
790	65,251	39,362	14,412	6,701	14,501	7,787	2001
1,300	67,731	40,507	18,211	7,437	13,765	10,052	2002
2,590	55,065	38,126	17,314	9,785	14,791	11,381	2003
3,799	76,644	38,580	19,190	13,195	15,452	12,254	2004
4,266	85,288	37,276	19,854	14,163	14,524	11,929	2005
5,061	95,316	35,953	21,258	15,899	14,949	12,679	2006
4,877	106,099	33,951	24,484	17,304	15,858	12,550	2007
3,925	108,401	34,534	26,009	21,032	19,295	12,981	2008
4,734	102,649	35,133	28,008	22,245	19,013	14,321	2009
4,766	105,781	32,631	29,284	17,908	18,369	15,413	2010
3,972	118,172	18,319	24,179	19,449	21,488	26,051	2011
3,912	130,720	17,252	24,869	21,098	26,490	26,908	2012
3,278	130,025	20,042	28,915	19,395	30,425	28,506	2013
2,928	135,202	24,344	32,212	22,937	32,614	30,282	2014
2,839	151,711	25,366	37,174	21,190	35,995	25,561	2015
3,104	160,712	26,026	40,508	20,550	36,521	27,817	2016
4,046	173,856	31,612	41,476	21,974	28,889	27,284	2017
3,651	170,896	33,900	35,908	23,444	34,924	26,156	2018
3,778	170,744	32,893	31,219	20,536	37,828	27,115	2019
5,356	112,595	28,279	25,574	22,373	34,956	31,024	2020
3,550	97,180	29,113	15,414	31,502	32,484	37,719	2021

1. Sum of propane and butane

2. Includes paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 2. 석유 제품별 소비

단위: 1,000 배럴

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
1996	721,063	87,711	47,346	22,362	46,491	10,294	10,560	-	-
1997	793,899	98,871	43,280	21,919	46,377	8,774	10,283	-	-
1998	670,278	84,342	32,632	17,612	27,985	6,412	8,176	105,782	-
1999	719,657	76,835	35,758	20,831	29,433	7,148	10,086	92,516	-
2000	742,557	66,664	37,925	21,275	33,375	8,209	12,389	127,131	-
2001	743,667	58,400	36,949	20,031	45,473	8,509	10,520	123,273	-
2002	762,868	54,824	34,196	19,920	46,213	8,762	10,902	132,703	-
2003	762,942	52,536	34,064	18,939	47,027	8,438	10,577	135,377	-
2004	752,329	52,368	31,173	17,056	46,575	8,335	10,330	140,017	-
2005	761,080	47,755	29,679	15,672	52,379	7,803	9,009	138,525	-
2006	765,921	49,364	30,198	15,256	49,906	7,060	9,260	147,084	-
2007	794,946	51,383	29,708	14,649	50,767	7,696	9,211	149,037	-
2008	760,641	49,272	28,167	13,901	44,556	7,239	8,618	128,932	-
2009	778,480	45,060	25,752	14,131	48,001	7,490	8,552	125,628	-
2010	794,278	44,548	25,407	14,610	50,723	8,073	8,822	127,959	-
2011	801,409	46,218	23,965	13,681	47,778	7,654	7,891	151,240	-
2012	825,167	45,829	23,215	12,766	51,275	7,760	7,424	164,938	-
2013	821,374	46,951	21,502	12,581	48,576	8,798	7,960	162,136	-
2014	818,290	48,243	18,897	12,803	55,456	9,016	8,591	156,683	1,095
2015	853,096	48,955	20,031	12,776	63,193	8,346	8,985	152,495	1,296
2016	921,082	48,804	22,341	13,228	65,585	8,331	8,980	181,080	1,348
2017	939,785	46,777	21,407	13,367	70,970	8,248	8,515	183,750	1,387
2018	931,787	42,302	21,677	13,312	72,888	8,047	8,324	188,084	1,314
2019	927,062	40,837	21,914	13,478	70,717	8,043	7,952	178,718	1,412
2020	872,362	34,807	19,118	11,683	57,018	7,396	7,327	178,244	1,668
2021	934,002	34,756	18,092	12,376	53,312	7,359	7,163	181,140	1,815
휘발유	84,874	8,708	4,254	3,594	4,288	2,130	2,249	2,166	575
등유	16,813	273	374	507	580	132	159	326	66
경유	161,956	7,443	7,777	4,496	9,008	3,347	3,193	5,749	880
경질중유	1,158	-	91	0	179	-	2	184	0
중유	145	-	4	1	9	-	-	0	-
중질중유	20,933	-	713	502	560	2	25	8,746	6
항공유	21,174	10,302	290	745	7,725	-	0	425	-
LPG	123,227	6,525	3,132	2,241	3,696	1,673	1,384	31,111	277
납사	451,807	-	-	-	25,074	-	-	110,436	-
용제	1,585	227	139	40	36	8	16	105	5
아스팔트	9,450	1,264	112	243	264	67	117	889	-
윤활기유	8,030	-	1,189	-	312	-	-	2,772	-
기타제품 <sup>1)</sup>	32,850	15	18	7	1,580	0	17	18,231	7

1. 정제가스+파라핀왁스+석유코크+부생연료유+기타제품  
 자료 : 한국석유공사 「석유류수급통계」

## 2. Petroleum Consumption by Products

Unit: 1,000 barrel

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	기 타 Other	
93,736	23,202	19,258	47,096	26,690	106,154	39,229	133,732	7,185	12	1996
94,265	22,799	19,496	56,417	25,042	127,607	36,842	174,623	7,303	11	1997
68,154	17,631	14,472	75,713	18,577	121,763	29,431	36,085	5,511	16	1998
78,592	21,454	16,142	83,149	21,954	125,396	34,796	32,113	6,936	29	1999
82,711	21,204	17,654	87,754	7,855	129,791	33,753	31,287	7,689	26	2000
85,669	21,197	18,177	88,877	23,562	128,152	34,668	31,832	8,379	17	2001
90,116	20,206	17,547	93,255	23,165	136,912	33,575	32,005	8,567	-	2002
90,329	19,603	17,896	94,278	22,560	138,545	32,791	31,582	8,400	-	2003
86,752	18,394	16,819	92,660	21,617	141,339	31,005	29,932	7,958	-	2004
96,023	17,054	17,128	95,426	21,468	143,814	30,807	30,489	8,048	-	2005
90,765	15,786	17,407	100,741	21,147	142,117	30,660	30,934	7,835	-	2006
92,220	16,224	17,275	114,681	19,794	152,601	30,798	30,512	8,389	-	2007
84,596	14,575	16,389	123,997	18,189	155,197	28,971	30,211	7,831	-	2008
86,962	14,879	16,660	130,704	17,801	168,343	28,741	31,251	8,526	-	2009
90,969	14,726	17,150	130,058	18,144	171,337	29,584	32,144	10,027	-	2010
87,626	13,845	16,231	129,217	17,364	170,210	28,040	31,048	9,402	-	2011
87,622	14,432	16,127	139,552	16,285	172,665	26,404	29,323	9,549	-	2012
81,167	14,375	15,497	141,519	16,050	179,031	25,692	29,295	10,245	-	2013
76,153	13,722	14,429	152,697	16,563	172,613	24,879	28,197	8,252	-	2014
87,917	14,718	15,174	156,012	18,972	180,965	25,980	28,929	8,354	-	2015
96,470	15,853	16,887	185,402	19,790	170,559	27,802	30,397	8,223	-	2016
91,660	15,640	17,179	182,650	19,771	188,736	28,065	32,366	9,299	-	2017
91,404	15,637	17,305	190,293	18,680	175,472	27,199	30,062	9,784	-	2018
89,430	16,372	17,774	191,999	17,916	183,029	27,703	30,178	9,589	-	2019
86,432	15,601	17,059	197,030	17,213	158,290	26,878	29,379	7,218	-	2020
88,782	16,122	17,464	193,125	16,908	220,295	27,900	29,687	7,705	-	2021
24,916	3,439	3,577	4,873	3,376	3,452	5,778	6,220	1,278	-	Gasoline
2,361	1,318	1,117	1,868	1,263	1,659	2,504	1,690	615	-	Kerosene
41,072	7,865	8,412	11,606	8,328	11,889	14,128	14,090	2,674	-	Diesel
80	25	5	82	74	246	27	130	32	-	Bunker-A
9	1	0	2	8	27	21	44	18	-	Bunker-B
1,546	35	471	1,238	345	6,092	129	280	242	-	Bunker-C
4	20	240	78	111	4	1	13	1,215	-	Jet Oil
15,919	2,266	2,930	26,491	2,716	11,935	4,433	4,994	1,504	-	L P G
-	-	-	141,098	320	174,845	35	-	-	-	Naphtha
537	70	60	57	98	6	53	126	2	-	Solvent
1,780	205	263	1,187	221	1,353	686	799	-	-	Asphalt
255	18	26	2,335	-	163	23	938	-	-	Lubricants
303	861	361	2,209	49	8,623	82	362	126	-	Other Products <sup>1</sup>

1. Includes refinery gas, paraffin waxes, petroleum coke, derived and other oil products.  
Source : Korea National Oil Corporation 「OIL STATISTICS」

## 3. 부문별 석유 소비

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	721,038	67,971	73,662	172,401	3,179	1,657	163,235
1997	793,877	71,358	85,025	166,787	2,760	1,615	160,367
1998	670,232	61,089	61,457	120,371	2,231	1,284	107,129
1999	719,656	63,879	76,928	126,071	2,826	1,513	116,271
2000	742,556	62,382	69,909	129,428	2,966	1,436	125,319
2001	743,666	62,707	61,707	132,167	2,714	1,510	123,848
2002	762,867	64,078	58,464	138,044	2,956	1,636	116,907
2003	762,940	60,484	52,874	145,365	2,692	1,768	111,361
2004	750,303	58,151	42,979	143,916	2,303	1,706	99,006
2005	761,065	59,561	39,392	142,517	2,361	1,793	96,357
2006	765,483	59,874	31,450	142,397	2,358	1,622	92,912
2007	794,879	62,500	26,172	145,260	2,218	1,563	89,028
2008	760,390	62,937	27,659	134,363	1,969	1,346	66,580
2009	778,222	65,872	25,991	132,116	2,076	1,289	66,000
2010	794,030	68,931	29,354	134,400	2,047	1,344	61,903
2011	801,409	69,574	25,430	133,923	2,213	1,280	51,505
2012	825,167	71,765	22,009	134,212	2,027	843	51,642
2013	821,374	73,416	18,816	139,192	1,683	897	43,786
2014	818,290	73,473	15,429	141,673	1,451	723	31,094
2015	853,096	76,570	16,227	153,255	1,565	787	35,961
2016	921,082	78,926	19,060	163,464	1,639	840	44,981
2017	939,785	79,616	19,006	168,564	1,574	722	33,522
2018	931,787	79,681	18,870	164,082	1,465	634	31,574
2019	927,062	82,750	17,127	166,910	1,617	431	21,949
2020	872,362	80,965	16,964	158,913	1,457	205	22,111
2021	934,002	84,874	16,813	161,956	1,158	145	20,933
산업	597,780	1,189	1,956	15,524	480	116	3,451
농림수산	9,795	889	1,273	7,161	84	67	35
광업	657	1	6	326	49	1	26
제조업	572,987	229	529	3,641	203	36	3,359
건설업	14,340	71	148	4,395	143	12	31
에너지산업(전환)	8,783	0	846	617	-	-	2,894
수송	283,218	83,389	6	139,083	613	17	14,440
철도	521	-	0	521	-	-	-
육상	244,301	83,389	5	132,995	6	0	-
해상	20,663	0	-	5,558	608	16	14,440
항공	17,733	0	0	10	-	-	-
가정	21,395	10	11,888	1,946	9	3	98
상업	14,655	54	1,952	785	27	8	31
공공	8,172	230	165	4,001	28	1	20

1. 프로판 + 부탄

2. 파라핀왁스+석유코크+부생연료유+기타제품

자료: 한국석유공사「석유류수급통계」

## 3. Petroleum Consumption by Sector

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
141,273	664	17,829	68,441	10,726	-	-	1996
194,918	785	19,283	71,623	11,958	3,740	3,659	1997
213,860	578	17,247	67,992	9,851	2,821	4,323	1998
218,908	735	18,375	77,007	10,296	3,168	3,679	1999
229,046	736	18,231	84,688	10,289	3,795	4,330	2000
233,293	794	20,073	84,377	11,033	3,570	5,874	2001
245,309	1,271	20,057	91,415	10,350	3,827	8,553	2002
252,417	2,703	20,578	88,606	10,550	4,079	9,462	2003
262,871	3,894	21,225	88,375	11,668	4,333	9,877	2004
273,250	4,380	25,058	91,668	10,486	4,966	9,277	2005
287,003	4,753	25,231	93,451	10,813	3,681	9,939	2006
316,858	3,879	26,147	97,143	10,889	3,693	9,528	2007
311,368	3,330	25,047	101,881	9,927	4,504	9,478	2008
322,622	3,199	26,263	106,320	12,484	4,900	9,089	2009
331,819	4,298	28,190	105,175	11,115	5,238	10,218	2010
355,192	2,877	28,445	99,201	10,413	3,409	17,948	2011
384,606	1,268	30,206	95,473	10,152	3,452	17,512	2012
384,248	731	30,325	93,057	10,677	3,388	21,156	2013
396,344	1,001	31,961	89,577	9,293	3,636	22,635	2014
410,809	1,388	34,358	89,866	10,195	3,945	18,170	2015
430,091	1,633	36,998	108,961	11,461	4,000	19,028	2016
458,350	1,742	38,209	105,145	11,637	4,893	16,805	2017
451,158	1,614	39,855	109,370	10,658	5,078	17,746	2018
438,614	1,728	38,833	122,138	10,540	4,764	19,662	2019
405,266	2,154	21,729	121,294	10,054	4,593	26,658	2020
451,807	1,585	21,174	123,227	9,450	8,030	32,850	2021
451,807	1,362	5	72,309	9,450	8,030	32,100	Industry
-	2	-	64	-	-	221	Agri-Fishery
-	1	-	58	-	-	188	Mining
451,807	1,359	5	72,103	-	8,030	31,683	Manufacturing
-	-	-	84	9,450	-	7	Construction
-	-	-	3,952	-	-	474	Energy Industry (Transformation)
-	0	17,718	27,919	-	-	33	Transportation
-	-	-	0	-	-	-	Railways
-	0	-	27,906	-	-	0	Roads
-	0	-	10	-	-	30	Shipping
-	-	17,718	3	-	-	2	Civil Aviation
-	63	-	7,360	-	-	18	Residential
-	159	67	11,434	-	-	137	Commercial
-	2	3,384	252	-	-	89	Public

1. Sum of propane and butane

2. Includes paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 3-1. 서울특별시

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	87,711	15,546	11,872	26,861	489	131	4,701
1997	98,871	15,282	13,472	27,471	518	86	6,518
1998	84,342	13,400	9,684	20,783	375	86	8,542
1999	76,835	14,242	10,902	18,217	253	40	1,509
2000	66,664	13,183	8,277	15,934	11	34	1,668
2001	58,400	12,247	6,188	13,022	46	45	2,708
2002	54,824	12,357	4,398	11,846	33	37	1,487
2003	52,536	11,338	3,589	11,063	35	22	1,584
2004	52,368	10,499	2,719	11,613	107	34	1,599
2005	47,755	10,415	2,218	11,480	80	64	1,594
2006	49,364	10,496	1,628	11,081	146	29	1,289
2007	51,383	10,644	1,400	11,445	101	6	1,582
2008	49,272	10,353	1,270	10,892	87	9	631
2009	45,060	10,580	1,054	9,528	64	15	387
2010	44,548	10,677	1,140	8,879	87	17	304
2011	46,218	10,408	968	9,251	109	30	492
2012	45,829	10,243	808	8,507	70	12	1,287
2013	46,951	10,106	664	9,713	213	26	2,280
2014	48,243	9,932	502	11,771	245	58	1,849
2015	48,955	9,981	505	12,655	264	72	1,155
2016	48,804	9,998	480	13,198	291	90	762
2017	46,777	9,641	447	13,051	19	33	544
2018	42,302	9,344	423	11,713	26	34	33
2019	40,837	9,323	346	11,228	25	31	0
2020	34,807	8,670	283	8,712	0	14	0
2021	34,756	8,708	273	7,443	-	-	-
산업	3,694	163	19	1,615	-	-	-
농림수산	1,545	163	0	1,368	-	-	-
광업	0	-	-	-	-	-	-
제조업	636	-	3	25	-	-	-
건설업	1,513	0	17	221	-	-	-
에너지산업(전환)	3	-	-	0	-	-	-
수송	26,132	8,511	0	5,390	-	-	-
철도	-	-	-	-	-	-	-
육상	18,075	8,511	0	5,387	-	-	-
해상	-	-	-	-	-	-	-
항공	8,057	0	-	3	-	-	-
가정	753	0	48	328	-	-	-
상업	1,907	8	206	69	-	-	-
공공	2,265	26	0	41	-	-	-

1. 프로판 + 부탄

2. 파라핀왁스+석유코크+부생연료유+기타제품

자료: 한국석유공사 「석유류수급통계」

## 3-1. Seoul City

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
122	259	10,221	11,328	6,181	-	-	1996
75	254	16,728	10,968	6,809	212	478	1997
59	123	15,005	10,329	5,118	317	521	1998
91	139	15,356	10,668	4,617	395	406	1999
-	142	11,427	10,482	4,942	110	453	2000
7	147	3,099	14,265	5,673	321	631	2001
-	171	3,340	17,749	2,686	48	673	2002
-	952	2,858	17,854	2,144	22	1,073	2003
-	984	2,155	17,984	2,899	503	1,273	2004
-	917	2,100	14,029	2,567	619	1,670	2005
-	208	5,256	14,165	2,624	977	1,465	2006
129	189	6,607	14,645	2,162	769	1,704	2007
-	201	6,929	14,927	1,534	592	1,846	2008
-	206	7,105	11,763	2,007	663	1,689	2009
-	299	8,187	10,538	1,756	718	1,946	2010
-	199	8,931	10,529	1,706	667	2,927	2011
-	137	9,185	10,071	2,075	688	2,745	2012
-	102	8,775	9,423	2,588	650	2,413	2013
-	148	8,734	9,001	3,053	708	2,243	2014
-	195	9,061	8,983	2,552	883	2,649	2015
-	237	9,781	8,567	3,182	974	1,246	2016
-	248	9,382	8,164	3,474	950	824	2017
-	229	9,043	7,741	2,835	785	96	2018
-	246	8,680	7,620	2,882	379	76	2019
-	310	7,187	7,013	2,594	1	23	2020
-	227	10,302	6,525	1,264	-	15	2021
-	138	0	492	1,264	-	3	Industry
-	1	-	13	-	-	-	Agri-Fishery
-	0	-	-	-	-	-	Mining
-	137	0	468	-	-	3	Manufacturing
-	-	-	11	1,264	-	0	Construction
-	-	-	3	-	-	0	Energy Industry (Transformation)
-	-	8,053	4,177	-	-	1	Transportation
-	-	-	-	-	-	-	Railways
-	-	-	4,177	-	-	-	Roads
-	-	-	-	-	-	-	Shipping
-	-	8,053	0	-	-	1	Civil Aviation
-	2	-	375	-	-	-	Residential
-	85	56	1,476	-	-	8	Commercial
-	2	2,193	1	-	-	2	Public

1. Sum of propane and butane

2. Includes paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 3-2. 부산광역시

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	47,346	4,042	4,024	12,377	1,211	139	17,950
1997	43,280	3,949	5,480	11,475	1,091	127	15,986
1998	32,632	3,276	3,707	9,208	919	79	10,780
1999	35,758	3,554	5,053	9,440	976	101	10,823
2000	37,925	3,820	4,417	9,960	1,102	93	10,041
2001	36,949	4,091	4,391	10,239	1,013	116	9,212
2002	34,196	3,960	4,229	10,375	802	98	6,577
2003	34,064	3,719	3,555	10,463	822	143	6,938
2004	31,173	3,416	2,622	9,721	720	98	6,179
2005	29,679	3,373	2,358	9,146	636	146	7,026
2006	30,198	3,407	1,700	9,473	582	66	7,414
2007	29,708	3,509	1,289	9,997	653	54	6,739
2008	28,167	3,491	1,399	9,329	583	51	6,036
2009	25,752	3,617	1,150	8,408	620	115	4,393
2010	25,407	3,913	1,163	8,438	637	150	3,945
2011	23,965	3,962	992	8,149	654	158	3,902
2012	23,215	4,022	878	8,344	587	110	3,268
2013	21,502	4,134	674	8,170	391	172	2,356
2014	18,897	4,101	597	7,691	221	91	946
2015	20,031	4,342	640	8,034	177	78	1,004
2016	22,341	4,386	687	9,487	441	86	1,490
2017	21,407	4,281	637	8,570	397	75	1,411
2018	21,677	4,285	561	8,403	371	62	2,127
2019	21,914	4,308	442	8,512	331	25	2,406
2020	19,118	4,110	417	7,824	126	6	1,599
2021	18,092	4,254	374	7,777	91	4	713
산업	2,458	30	26	716	32	1	8
농림수산	473	21	8	427	9	0	0
광업	5	-	0	3	2	-	-
제조업	1,650	8	17	84	8	1	8
건설업	329	1	1	202	14	0	-
에너지산업(전환)	12	-	0	10	-	-	-
수송	13,702	4,220	0	6,688	57	0	702
철도	-	-	-	-	-	-	-
육상	11,948	4,220	0	5,984	-	-	-
해상	1,463	-	-	704	57	0	702
항공	290	-	-	0	-	-	-
가정	608	0	89	111	-	-	1
상업	1,106	1	259	54	2	3	1
공공	206	3	0	198	0	-	-

1. 프로판 + 부탄

2. 파라핀왁스+석유코크+부생연료유+기타제품

자료: 한국석유공사 「석유류수급통계」



## 3-2. Busan City

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
-	3	-	7,467	132	-	-	1996
-	2	-	4,390	130	637	11	1997
-	-	-	4,279	7	358	19	1998
-	-	1	5,183	36	571	19	1999
-	9	53	7,323	573	533	2	2000
-	11	41	7,156	45	570	64	2001
-	5	114	7,193	65	614	164	2002
-	23	209	7,134	121	745	192	2003
-	47	160	7,001	223	792	194	2004
-	38	198	5,411	175	945	228	2005
-	239	197	6,074	111	847	88	2006
-	237	221	5,692	174	1,052	91	2007
-	212	236	5,470	233	1,052	75	2008
-	133	255	5,779	276	954	52	2009
-	203	344	5,344	149	1,095	26	2010
-	141	419	4,397	122	1,027	43	2011
-	115	486	4,217	77	1,036	74	2012
-	62	672	3,666	119	1,008	77	2013
-	87	732	3,410	117	869	34	2014
-	123	1,031	3,553	113	919	16	2015
-	145	1,020	3,540	98	946	15	2016
-	152	1,091	3,573	93	1,071	57	2017
-	141	1,188	3,402	130	991	16	2018
-	151	1,177	3,428	129	989	15	2019
-	189	553	3,157	122	998	19	2020
-	139	290	3,132	112	1,189	18	2021
-	127	-	202	112	1,189	15	Industry
-	-	-	-	-	-	7	Agri-Fishery
-	0	-	0	-	-	-	Mining
-	127	-	202	-	1,189	8	Manufacturing
-	-	-	0	112	-	-	Construction
-	-	-	2	-	-	0	Energy Industry (Transformation)
-	0	290	1,744	-	-	-	Transportation
-	-	-	-	-	-	-	Railways
-	-	-	1,744	-	-	-	Roads
-	0	-	-	-	-	-	Shipping
-	-	290	-	-	-	-	Civil Aviation
-	7	-	401	-	-	-	Residential
-	5	-	782	-	-	1	Commercial
-	-	-	2	-	-	2	Public

1. Sum of propane and butane

2. Includes paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 3-3. 대구광역시

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	22,362	4,061	5,028	5,991	6	115	4,378
1997	21,919	4,151	4,990	5,687	11	88	4,102
1998	17,612	3,570	3,685	4,329	5	55	2,887
1999	20,831	3,759	4,902	4,532	5	40	3,610
2000	21,275	3,491	4,270	4,574	5	37	2,822
2001	20,031	3,361	3,849	4,209	31	52	3,059
2002	19,920	3,294	3,801	4,588	4	73	2,887
2003	18,939	2,780	3,184	4,459	1	54	2,780
2004	17,056	2,485	2,415	4,267	5	30	2,352
2005	15,672	2,503	2,105	4,345	7	20	2,081
2006	15,256	2,435	1,655	4,579	10	22	1,588
2007	14,649	2,555	1,305	4,594	-	23	1,280
2008	13,901	2,572	1,625	4,050	-	9	955
2009	14,131	2,733	1,511	3,875	-	16	932
2010	14,610	2,983	1,759	4,004	-	12	1,030
2011	13,681	3,075	1,370	4,040	1	13	747
2012	12,766	3,278	1,183	4,153	2	6	572
2013	12,581	3,472	962	4,509	-	7	536
2014	12,803	3,529	749	4,704	-	4	404
2015	12,776	3,588	696	4,796	-	4	357
2016	13,228	3,520	755	4,868	0	4	526
2017	13,367	3,518	611	4,895	1	3	544
2018	13,312	3,542	554	4,883	0	2	555
2019	13,478	3,705	471	4,959	0	2	423
2020	11,683	3,420	477	4,434	2	3	462
2021	12,376	3,594	507	4,496	0	1	502
산업	639	2	24	127	0	1	31
농림수산	13	2	3	8	-	0	-
광업	0	-	-	-	-	-	-
제조업	308	0	19	46	0	1	31
건설업	318	0	2	73	-	-	-
에너지산업(전환)	489	0	0	0	-	-	467
수송	9,140	3,590	0	4,271	-	-	-
철도	-	-	-	-	-	-	-
육상	9,037	3,590	0	4,271	-	-	-
해상	-	-	-	-	-	-	-
항공	103	-	-	-	-	-	-
가정	385	0	123	55	-	-	4
상업	1,044	0	358	15	-	-	-
공공	679	2	0	28	-	-	-

1. 프로판 + 부탄

2. 파라핀왁스+석유코크+부생연료유+기타제품

자료: 한국석유공사 「석유류수급통계」

## 3-3. Daegu City

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
-	-	6	2,474	303	-	-	1996
-	-	2	2,554	333	-	-	1997
-	-	1	2,766	314	-	-	1998
-	-	71	3,359	553	-	-	1999
-	-	367	5,182	528	-	-	2000
-	1	214	4,727	504	-	24	2001
-	3	-	4,749	444	-	79	2002
-	3	371	4,771	457	-	78	2003
-	2	250	4,693	468	-	89	2004
-	1	379	3,761	386	-	84	2005
-	231	405	3,866	399	-	66	2006
-	90	428	3,926	384	-	64	2007
-	71	530	3,751	286	-	88	2008
-	84	610	4,000	333	-	37	2009
-	150	617	3,714	283	-	57	2010
-	103	663	3,328	289	-	51	2011
-	40	35	3,135	319	-	42	2012
-	19	79	2,536	429	-	33	2013
-	25	211	2,583	566	-	27	2014
-	35	119	2,492	669	-	22	2015
-	41	93	2,503	897	-	22	2016
-	44	340	2,533	859	-	19	2017
-	41	433	2,406	858	24	15	2018
-	44	603	2,442	815	-	13	2019
-	54	128	2,253	440	-	10	2020
-	40	745	2,241	243	-	7	2021
-	25	-	179	243	-	6	Industry
-	-	-	-	-	-	-	Agri-Fishery
-	0	-	-	-	-	-	Mining
-	25	-	179	-	-	6	Manufacturing
-	-	-	-	243	-	-	Construction
-	-	-	22	-	-	-	Energy Industry (Transformation)
-	-	103	1,176	-	-	-	Transportation
-	-	-	-	-	-	-	Railways
-	-	-	1,176	-	-	-	Roads
-	-	-	-	-	-	-	Shipping
-	-	103	-	-	-	-	Civil Aviation
-	14	-	189	-	-	-	Residential
-	2	-	668	-	-	1	Commercial
-	-	641	7	-	-	0	Public

1. Sum of propane and butane

2. Includes paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 3-4. 인천광역시

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	46,491	2,991	3,688	10,831	67	162	15,138
1997	46,377	3,202	3,733	9,708	138	152	16,271
1998	27,985	2,489	2,302	6,489	176	64	5,111
1999	29,433	2,268	3,633	7,125	199	90	6,143
2000	33,375	2,813	2,648	7,983	222	88	7,709
2001	45,473	2,774	2,200	8,194	264	114	5,810
2002	46,213	3,077	1,939	8,334	298	132	5,949
2003	47,027	2,915	1,511	9,485	270	160	5,866
2004	46,575	2,716	1,612	8,812	200	182	4,315
2005	52,379	2,781	1,217	8,874	323	77	4,495
2006	49,906	2,821	922	8,296	467	70	4,424
2007	50,767	3,009	896	8,114	380	74	4,517
2008	44,556	3,108	1,003	7,799	355	43	3,590
2009	48,001	3,235	911	7,680	318	37	3,599
2010	50,723	3,219	1,106	6,999	393	91	3,513
2011	47,778	3,361	908	6,874	376	63	3,296
2012	51,275	3,643	670	7,404	289	26	2,889
2013	48,576	3,743	552	7,876	233	54	2,074
2014	55,456	3,762	446	7,512	167	52	2,549
2015	63,193	3,844	452	7,719	192	59	2,930
2016	65,585	3,891	465	7,853	143	4	3,129
2017	70,970	3,857	513	7,977	147	9	3,044
2018	72,888	3,955	590	8,018	137	12	1,758
2019	70,717	4,205	524	8,472	92	23	1,158
2020	57,018	4,154	527	8,534	158	8	269
2021	53,312	4,288	580	9,008	179	9	560
산업	28,696	30	30	456	70	3	54
농림수산	129	12	3	113	2	-	-
광업	45	-	-	10	35	-	0
제조업	28,057	15	17	178	5	1	54
건설업	465	4	10	156	28	2	0
에너지산업(전환)	1,229	-	242	0	-	-	-
수송	21,612	4,248	0	7,624	104	6	504
철도	-	-	-	-	-	-	-
육상	12,205	4,248	0	6,543	-	-	-
해상	1,695	-	-	1,080	104	6	504
항공	7,712	-	-	0	-	-	-
가정	525	3	153	254	-	-	-
상업	576	3	154	16	5	-	1
공공	673	5	2	658	-	-	2

1. 프로판 + 부탄

2. 파라핀왁스+석유코크+부생연료유+기타제품

자료: 한국석유공사 「석유류수급통계」

## 3-4. Incheon City

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
7,005	63	4,070	2,354	122	-	-	1996
10,415	76	1	2,588	44	49	-	1997
8,683	57	89	2,406	118	-	-	1998
7,641	108	22	1,935	267	-	-	1999
5,304	94	2,764	2,665	784	302	-	2000
11,293	80	11,111	2,833	731	43	25	2001
9,499	88	12,513	3,141	572	588	84	2002
11,014	249	11,051	3,126	638	676	67	2003
10,934	586	13,253	3,102	699	34	130	2004
12,165	730	17,348	3,545	738	36	51	2005
11,511	171	16,165	4,110	867	33	48	2006
12,492	231	15,989	4,231	704	105	24	2007
8,816	123	14,596	3,721	472	893	38	2008
11,671	105	15,301	3,326	718	1,061	39	2009
13,932	123	16,128	3,521	644	1,029	25	2010
11,696	80	16,591	3,611	804	22	95	2011
14,296	33	17,796	3,436	478	21	294	2012
12,009	18	17,916	3,316	376	129	278	2013
16,809	23	19,923	2,868	245	20	1,080	2014
21,978	32	22,336	2,794	310	16	531	2015
22,244	37	24,146	2,766	356	41	510	2016
26,106	40	25,104	2,702	360	691	419	2017
26,924	37	26,579	3,065	278	922	615	2018
25,416	40	25,903	2,642	277	1,056	908	2019
25,861	50	12,286	2,499	249	811	1,614	2020
25,074	36	7,725	3,696	264	312	1,580	2021
25,074	30	2	800	264	312	1,572	Industry
-	0	-	-	-	-	-	Agri-Fishery
-	-	-	-	-	-	1	Mining
25,074	30	2	799	-	312	1,570	Manufacturing
-	-	-	1	264	-	1	Construction
-	-	-	987	-	-	-	Energy Industry (Transformation)
-	-	7,712	1,414	-	-	-	Transportation
-	-	-	-	-	-	-	Railways
-	-	-	1,414	-	-	-	Roads
-	-	-	0	-	-	-	Shipping
-	-	7,712	-	-	-	-	Civil Aviation
-	0	-	115	-	-	-	Residential
-	6	10	376	-	-	6	Commercial
-	-	-	5	-	-	3	Public

1. Sum of propane and butane

2. Includes paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 'OIL STATISTICS'

## 3-5. 광주광역시

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	10,294	1,672	2,097	4,297	3	-	612
1997	8,774	1,578	1,857	3,411	-	-	699
1998	6,412	1,083	1,256	2,287	-	-	488
1999	7,148	1,072	1,754	2,218	-	-	498
2000	8,209	1,172	1,400	2,371	-	-	529
2001	8,509	1,421	1,284	2,652	-	-	508
2002	8,762	1,450	1,433	2,952	-	-	512
2003	8,438	1,370	1,244	2,956	-	-	452
2004	8,335	1,367	959	2,870	-	1	591
2005	7,803	1,426	854	2,846	-	1	382
2006	7,060	1,359	614	2,755	-	-	318
2007	7,696	1,541	503	2,958	-	-	278
2008	7,239	1,555	533	2,679	-	-	223
2009	7,490	1,683	521	2,786	1	-	253
2010	8,073	1,843	543	2,915	-	-	193
2011	7,654	1,878	471	3,014	-	-	105
2012	7,760	1,974	401	3,177	0	-	61
2013	8,798	2,081	303	3,487	0	-	87
2014	9,016	2,017	219	3,556	-	-	86
2015	8,346	2,096	211	3,637	0	4	170
2016	8,331	2,101	225	3,729	-	13	121
2017	8,248	2,050	198	3,853	0	0	67
2018	8,047	2,052	176	3,780	-	0	29
2019	8,043	2,134	143	3,770	0	-	10
2020	7,396	2,052	131	3,420	-	-	5
2021	7,359	2,130	132	3,347	-	-	2
산업	219	9	8	42	-	-	2
농림수산	8	0	5	3	-	-	-
광업	0	-	-	0	-	-	-
제조업	124	9	2	22	-	-	2
건설업	86	0	1	17	-	-	-
에너지산업(전환)	4	-	0	-	-	-	-
수송	6,586	2,120	0	3,267	-	-	-
철도	-	-	-	-	-	-	-
육상	6,586	2,120	0	3,267	-	-	-
해상	-	-	-	-	-	-	-
항공	-	-	-	-	-	-	-
가정	197	-	64	13	-	-	-
상업	331	0	59	9	-	-	0
공공	22	1	1	16	-	-	-

1. 프로판 + 부탄

2. 파라핀왁스+석유코크+부생연료유+기타제품

자료: 한국석유공사 「석유류수급통계」

## 3-5. Gwangju City

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
-	-	330	1,280	3	-	-	1996
-	-	-	1,226	3	-	-	1997
-	-	33	1,266	-	-	-	1998
-	-	11	1,593	2	-	-	1999
-	-	5	2,615	118	-	-	2000
-	-	57	2,562	18	-	8	2001
-	-	-	2,377	14	-	25	2002
-	-	-	2,359	40	-	18	2003
-	-	136	2,336	62	-	12	2004
-	-	130	2,122	16	-	26	2005
-	6	166	1,798	26	-	17	2006
-	6	171	2,209	18	-	12	2007
-	6	157	2,051	20	1	13	2008
-	20	31	2,157	31	-	7	2009
-	105	99	2,349	19	-	8	2010
-	67	43	2,058	14	-	5	2011
-	18	0	2,113	16	-	1	2012
-	4	1	2,814	18	-	4	2013
-	5	-	2,975	156	-	1	2014
-	7	-	2,070	150	-	0	2015
-	8	-	2,031	103	-	-	2016
-	9	-	1,992	78	-	0	2017
-	8	-	1,879	100	24	-	2018
-	9	-	1,884	93	-	-	2019
-	11	-	1,699	78	-	-	2020
-	8	-	1,673	67	-	0	2021
-	2	-	89	67	-	0	Industry
-	-	-	-	-	-	0	Agri-Fishery
-	-	-	-	-	-	-	Mining
-	2	-	88	-	-	-	Manufacturing
-	-	-	1	67	-	-	Construction
-	-	-	4	-	-	-	Energy Industry (Transformation)
-	-	-	1,199	-	-	-	Transportation
-	-	-	-	-	-	-	Railways
-	-	-	1,199	-	-	-	Roads
-	-	-	-	-	-	-	Shipping
-	-	-	-	-	-	-	Civil Aviation
-	2	-	119	-	-	-	Residential
-	4	-	258	-	-	-	Commercial
-	-	-	4	-	-	-	Public

1. Sum of propane and butane

2. Includes paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 3-6. 대전광역시

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	10,560	1,950	2,101	3,261	-	-	1,771
1997	10,283	1,998	2,011	2,803	-	1	1,885
1998	8,176	1,674	1,287	1,983	-	-	1,640
1999	10,086	1,775	1,762	2,183	-	1	2,137
2000	12,389	1,670	2,650	3,258	-	1	1,917
2001	10,520	1,670	1,505	3,000	-	1	1,605
2002	10,902	1,769	1,467	3,210	-	-	1,557
2003	10,577	1,547	1,281	3,329	-	-	1,472
2004	10,330	1,541	1,006	3,413	-	-	1,508
2005	9,009	1,571	920	2,782	1	-	1,361
2006	9,260	1,556	704	3,050	3	-	1,296
2007	9,211	1,681	604	3,002	2	-	1,288
2008	8,618	1,742	682	2,600	-	-	1,191
2009	8,552	1,846	678	2,598	1	-	975
2010	8,822	1,925	825	2,633	-	-	921
2011	7,891	1,990	612	2,654	-	-	512
2012	7,424	2,105	484	2,747	0	0	95
2013	7,960	2,161	462	3,287	-	-	226
2014	8,591	2,207	326	3,793	0	-	486
2015	8,985	2,334	291	4,032	0	-	548
2016	8,980	2,249	331	4,058	1	-	550
2017	8,515	2,240	292	3,780	-	0	460
2018	8,324	2,268	268	3,836	0	0	249
2019	7,952	2,283	217	3,671	0	-	76
2020	7,327	2,181	183	3,352	0	-	72
2021	7,163	2,249	159	3,193	2	-	25
산업	342	3	9	70	0	-	0
농림수산	10	0	4	2	-	-	-
광업	0	-	-	0	-	-	-
제조업	165	2	4	18	0	-	0
건설업	167	0	0	50	-	-	-
에너지산업(전환)	40	-	0	-	-	-	21
수송	6,149	2,244	0	3,010	2	-	-
철도	521	-	0	521	-	-	-
육상	5,626	2,244	0	2,489	-	-	-
해상	2	-	-	0	2	-	-
항공	-	-	-	-	-	-	-
가정	231	-	59	39	-	-	4
상업	324	1	89	5	-	-	0
공공	76	2	2	70	-	-	-

1. 프로판 + 부탄

2. 파라핀왁스+석유코크+부생연료유+기타제품

자료: 한국석유공사 「석유류수급통계」



## 3-6. Daejeon City

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
-	-	23	1,452	3	-	-	1996
-	-	3	1,581	1	-	-	1997
-	-	1	1,586	3	-	-	1998
-	-	6	2,204	19	-	-	1999
-	-	4	2,767	122	-	-	2000
-	-	4	2,707	25	-	4	2001
-	-	5	2,753	42	-	101	2002
-	30	4	2,763	49	-	101	2003
-	51	14	2,705	40	-	51	2004
-	158	3	2,086	33	-	93	2005
-	320	11	2,250	35	-	35	2006
-	175	-	2,360	67	-	32	2007
-	122	-	2,192	58	-	31	2008
-	160	-	2,214	58	1	21	2009
-	158	-	2,283	61	1	17	2010
-	101	-	1,947	53	1	22	2011
-	15	-	1,934	23	0	20	2012
-	7	-	1,725	72	0	19	2013
-	9	-	1,592	161	-	17	2014
-	13	-	1,637	112	-	18	2015
-	16	-	1,618	144	-	13	2016
-	17	-	1,582	130	-	14	2017
-	16	-	1,493	158	24	12	2018
-	17	-	1,505	171	-	12	2019
-	21	-	1,365	140	-	12	2020
-	16	0	1,384	117	-	17	2021
-	12	0	126	117	-	6	Industry
-	-	-	-	-	-	4	Agri-Fishery
-	-	-	-	-	-	-	Mining
-	12	0	126	-	-	2	Manufacturing
-	-	-	0	117	-	-	Construction
-	-	-	19	-	-	0	Energy Industry (Transformation)
-	-	-	894	-	-	-	Transportation
-	-	-	0	-	-	-	Railways
-	-	-	894	-	-	-	Roads
-	-	-	-	-	-	-	Shipping
-	-	-	-	-	-	-	Civil Aviation
-	2	-	119	-	-	8	Residential
-	3	-	227	-	-	0	Commercial
-	0	0	0	-	-	2	Public

1. Sum of propane and butane

2. Includes paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 3-7. 울산광역시

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-
1998	105,782	1,514	6,279	3,468	44	3	15,889
1999	119,034	1,715	1,624	4,482	295	35	24,620
2000	127,131	1,751	1,213	5,056	283	39	30,976
2001	123,273	1,740	1,468	5,178	197	39	29,139
2002	132,703	1,900	1,616	5,825	185	62	30,721
2003	135,377	1,665	1,613	6,635	200	69	29,844
2004	140,017	1,582	955	5,955	223	21	27,034
2005	138,525	1,568	847	6,049	237	21	23,240
2006	147,084	1,500	727	5,578	197	25	24,602
2007	149,037	1,469	568	5,811	204	61	23,715
2008	128,932	1,590	586	5,330	229	46	17,609
2009	125,628	1,660	447	5,010	233	100	17,102
2010	127,959	1,765	392	5,209	109	78	15,623
2011	151,240	1,810	313	5,116	204	92	13,414
2012	164,938	2,012	371	3,546	305	39	19,693
2013	162,136	2,046	298	2,574	172	46	17,093
2014	156,683	2,057	309	4,754	173	65	10,648
2015	152,495	2,048	273	5,161	144	66	10,719
2016	181,080	2,058	338	5,591	154	54	15,321
2017	183,750	2,077	321	5,607	205	32	11,799
2018	188,084	2,092	272	5,275	152	33	10,799
2019	178,718	2,180	224	5,415	170	37	6,919
2020	178,244	2,084	248	5,257	198	14	7,461
2021	181,140	2,166	326	5,749	184	0	8,746
산업	164,962	58	12	1,335	106	0	1,464
농림수산	340	8	0	331	-	-	-
광업	4	-	-	4	-	0	-
제조업	163,581	47	11	875	89	0	1,464
건설업	1,037	2	1	125	17	-	-
에너지산업(전환)	2,483	0	136	3	-	-	1,587
수송	12,585	1,991	0	4,227	76	-	5,690
철도	-	-	-	-	-	-	-
육상	5,756	1,991	0	3,250	1	-	-
해상	6,743	-	-	978	75	-	5,690
항공	86	-	-	-	-	-	-
가정	133	0	65	17	-	-	2
상업	274	0	31	6	-	-	3
공공	703	117	81	161	2	-	1

1. 프로판 + 부탄

2. 파라핀왁스+석유코크+부생연료유+기타제품

자료: 한국석유공사 「석유류수급통계」

## 3-7. Ulsan City

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
-	-	-	-	-	-	-	1996
-	-	-	-	-	-	-	1997
59,572	109	824	13,674	2,072	1,763	513	1998
66,791	190	889	14,074	2,337	1,642	271	1999
69,621	220	720	13,154	1,224	2,194	617	2000
68,904	229	1,907	10,080	1,204	1,972	1,216	2001
72,861	534	1,764	11,630	2,025	1,901	1,681	2002
75,442	300	3,833	10,750	993	1,988	2,046	2003
83,477	374	3,455	11,790	1,022	2,173	1,955	2004
85,406	325	3,294	12,098	926	2,535	1,980	2005
95,465	181	1,684	12,923	1,105	1,238	1,859	2006
98,749	109	1,043	13,055	1,137	1,132	1,985	2007
84,629	141	534	14,079	884	1,184	2,091	2008
74,515	179	676	20,760	839	1,550	2,657	2009
78,327	80	501	20,967	986	1,467	2,453	2010
106,970	53	179	11,805	899	746	9,640	2011
115,963	64	763	11,100	929	788	9,365	2012
115,828	48	1,296	11,192	938	645	9,960	2013
115,091	66	801	11,110	998	947	9,665	2014
112,044	94	26	14,683	1,014	900	5,321	2015
122,787	110	32	26,108	1,161	813	6,552	2016
126,823	118	27	30,040	1,244	858	4,600	2017
131,283	108	15	29,955	1,033	850	6,218	2018
121,432	117	14	33,224	917	1,117	6,953	2019
117,336	145	33	30,095	962	1,505	12,906	2020
110,436	105	425	31,111	889	2,772	18,231	2021
110,436	103	-	29,567	889	2,772	18,222	Industry
-	-	-	-	-	-	-	Agri-Fishery
-	0	-	0	-	-	-	Mining
110,436	103	-	29,564	-	2,772	18,222	Manufacturing
-	-	-	3	889	-	-	Construction
-	-	-	757	-	-	-	Energy Industry (Transformation)
-	0	86	516	-	-	-	Transportation
-	-	-	-	-	-	-	Railways
-	-	-	516	-	-	-	Roads
-	0	-	-	-	-	-	Shipping
-	-	86	-	-	-	-	Civil Aviation
-	1	-	48	-	-	-	Residential
-	1	0	224	-	-	9	Commercial
-	-	339	-	-	-	-	Public

1. Sum of propane and butane

2. Includes paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 3-8. 세종특별자치시

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-
1998	-	-	-	-	-	-	-
1999	-	-	-	-	-	-	-
2000	-	-	-	-	-	-	-
2001	-	-	-	-	-	-	-
2002	-	-	-	-	-	-	-
2003	-	-	-	-	-	-	-
2004	-	-	-	-	-	-	-
2005	-	-	-	-	-	-	-
2006	-	-	-	-	-	-	-
2007	-	-	-	-	-	-	-
2008	-	-	-	-	-	-	-
2009	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-
2011	-	-	-	-	-	-	-
2012	-	-	-	-	-	-	-
2013	-	-	-	-	-	-	-
2014	1,095	233	77	559	0	0	29
2015	1,296	246	80	654	0	-	31
2016	1,348	258	88	680	0	-	30
2017	1,387	259	97	730	0	-	20
2018	1,314	252	80	664	0	-	28
2019	1,412	353	69	693	0	-	35
2020	1,668	514	67	809	0	-	26
2021	1,815	575	66	880	0	-	6
산업	136	0	3	42	0	-	6
농림수산	7	0	0	3	-	-	-
광업	-	-	-	-	-	-	-
제조업	102	-	1	15	0	-	6
건설업	26	0	1	25	-	-	-
에너지산업(전환)	0	-	0	0	-	-	-
수송	1,473	574	-	823	-	-	-
철도	-	-	-	-	-	-	-
육상	1,473	574	-	823	-	-	-
해상	0	-	-	0	-	-	-
항공	-	-	-	-	-	-	-
가정	86	0	63	0	-	-	-
상업	107	-	0	2	-	-	-
공공	14	0	0	12	-	-	-

1. 프로판 + 부탄

2. 파라핀왁스+석유코크+부생연료유+기타제품

자료: 한국석유공사 「석유류수급통계」

## 3-8. Sejong City

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
-	-	-	-	-	-	-	1996
-	-	-	-	-	-	-	1997
-	-	-	-	-	-	-	1998
-	-	-	-	-	-	-	1999
-	-	-	-	-	-	-	2000
-	-	-	-	-	-	-	2001
-	-	-	-	-	-	-	2002
-	-	-	-	-	-	-	2003
-	-	-	-	-	-	-	2004
-	-	-	-	-	-	-	2005
-	-	-	-	-	-	-	2006
-	-	-	-	-	-	-	2007
-	-	-	-	-	-	-	2008
-	-	-	-	-	-	-	2009
-	-	-	-	-	-	-	2010
-	-	-	-	-	-	-	2011
-	-	-	-	-	-	-	2012
-	-	-	-	-	-	-	2013
-	4	-	190	0	-	3	2014
-	4	-	268	11	-	2	2015
-	5	-	282	2	-	3	2016
-	6	-	267	-	-	8	2017
-	5	-	255	-	24	7	2018
-	6	-	251	1	-	5	2019
-	7	-	238	-	-	6	2020
-	5	-	277	-	-	7	2021
-	5	-	72	-	-	6	Industry
-	-	-	-	-	-	4	Agri-Fishery
-	-	-	-	-	-	-	Mining
-	5	-	72	-	-	3	Manufacturing
-	-	-	-	-	-	-	Construction
-	-	-	-	-	-	-	Energy Industry (Transformation)
-	-	-	75	-	-	-	Transportation
-	-	-	-	-	-	-	Railways
-	-	-	75	-	-	-	Roads
-	-	-	-	-	-	-	Shipping
-	-	-	-	-	-	-	Civil Aviation
-	0	-	23	-	-	1	Residential
-	0	-	105	-	-	-	Commercial
-	-	-	1	-	-	0	Public

1. Sum of propane and butane

2. Includes paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 3-9. 경기도

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	93,736	14,061	13,461	27,875	195	131	27,907
1997	94,265	15,551	13,522	26,238	187	120	27,984
1998	68,154	13,561	10,195	19,559	127	91	14,831
1999	78,592	13,260	13,558	21,244	187	165	20,126
2000	82,711	13,845	11,865	22,079	207	151	24,549
2001	85,669	14,057	10,612	23,274	261	171	27,136
2002	90,116	14,644	10,395	26,685	327	168	23,432
2003	90,329	14,517	10,239	28,828	202	173	22,409
2004	86,752	14,311	7,948	31,898	123	165	18,468
2005	96,023	14,826	7,483	33,360	134	179	20,481
2006	90,765	15,275	5,758	31,375	139	154	18,368
2007	92,220	16,203	4,683	32,219	110	133	18,316
2008	84,596	16,528	4,873	31,070	103	98	10,469
2009	86,962	17,179	4,575	30,258	113	56	12,179
2010	90,969	18,042	4,981	30,824	83	65	10,995
2011	87,626	18,467	4,491	30,424	65	60	8,180
2012	87,622	19,112	3,804	30,598	58	37	7,495
2013	81,167	19,458	3,183	32,703	26	24	5,553
2014	76,153	19,630	2,555	31,751	26	21	4,498
2015	87,917	20,404	2,539	35,977	95	14	8,369
2016	96,470	21,387	2,859	39,430	56	11	11,466
2017	91,660	21,731	2,907	41,264	86	23	5,093
2018	91,404	21,846	2,813	40,578	105	33	5,682
2019	89,430	23,235	2,496	41,289	95	9	3,560
2020	86,432	23,551	2,387	40,308	108	8	2,170
2021	88,782	24,916	2,361	41,072	80	9	1,546
산업	10,004	127	309	2,024	28	9	899
농림수산	236	25	67	138	0	0	0
광업	60	0	0	52	-	-	0
제조업	6,765	89	174	795	12	8	898
건설업	2,944	13	68	1,040	16	0	0
에너지산업(전환)	1,367	0	3	2	-	-	123
수송	69,148	24,740	1	37,093	50	-	466
철도	-	-	-	-	-	-	-
육상	68,051	24,739	1	36,507	4	-	-
해상	1,097	0	-	586	45	-	466
항공	1	-	-	0	-	-	-
가정	3,554	1	1,528	799	-	-	46
상업	3,670	19	506	324	0	0	8
공공	1,039	29	13	830	2	-	5

1. 프로판 + 부탄

2. 파라핀왁스+석유코크+부생연료유+기타제품

자료: 한국석유공사 「석유류수급통계」

## 3-9. Gyeonggi-do

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
18	97	818	8,742	432	-	-	1996
14	167	539	9,221	613	-	-	1997
2	191	391	8,706	423	-	-	1998
-	240	501	8,445	716	-	-	1999
-	217	198	8,669	738	185	-	2000
-	176	118	8,607	973	160	124	2001
1	168	1,156	10,817	1,666	164	493	2002
7	765	140	10,433	1,969	159	486	2003
14	863	135	10,129	2,007	176	515	2004
15	924	174	15,994	1,838	199	415	2005
4	918	143	15,961	1,830	192	648	2006
-	818	152	16,498	2,134	194	760	2007
-	752	132	17,220	2,465	174	713	2008
-	921	144	17,653	3,056	166	662	2009
-	1,143	162	21,669	2,292	143	569	2010
-	770	40	22,307	2,171	152	498	2011
-	423	101	23,501	1,918	180	397	2012
-	248	33	17,402	1,879	222	435	2013
-	338	3	15,285	1,295	364	388	2014
-	472	3	17,808	1,504	373	357	2015
-	551	3	18,275	1,731	325	376	2016
-	590	3	17,535	1,783	254	389	2017
-	547	3	17,563	1,595	277	362	2018
-	585	3	16,103	1,468	245	344	2019
-	728	2	14,954	1,596	282	339	2020
-	537	4	15,919	1,780	255	303	2021
-	494	-	3,846	1,780	255	231	Industry
-	1	-	1	-	-	4	Agri-Fishery
-	0	-	7	-	-	-	Mining
-	494	-	3,817	-	255	223	Manufacturing
-	-	-	22	1,780	-	4	Construction
-	-	-	1,224	-	-	15	Energy Industry (Transformation)
-	-	0	6,799	-	-	-	Transportation
-	-	-	-	-	-	-	Railways
-	-	-	6,799	-	-	-	Roads
-	-	-	-	-	-	-	Shipping
-	-	0	-	-	-	-	Civil Aviation
-	7	-	1,171	-	-	3	Residential
-	35	0	2,749	-	-	28	Commercial
-	0	4	130	-	-	26	Public

1. Sum of propane and butane

2. Includes paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 3-10. 강원도

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	23,202	2,706	3,140	10,286	9	13	4,072
1997	22,799	3,016	3,493	9,453	3	23	3,498
1998	17,631	2,616	3,001	6,420	5	13	1,762
1999	21,454	2,723	4,345	6,249	36	8	3,104
2000	21,204	2,482	4,120	6,017	41	5	2,868
2001	21,197	2,508	3,875	6,523	53	4	2,610
2002	20,206	2,494	3,655	6,599	79	2	2,194
2003	19,603	2,329	3,350	7,231	81	3	2,206
2004	18,394	2,256	2,777	6,808	51	2	2,000
2005	17,054	2,244	2,536	6,302	44	3	1,601
2006	15,786	2,211	2,011	6,609	4	2	1,415
2007	16,224	2,266	1,675	6,926	3	2	1,268
2008	14,575	2,212	1,618	5,862	1	2	1,105
2009	14,879	2,387	1,527	6,098	1	4	992
2010	14,726	2,453	1,670	6,063	1	14	728
2011	13,845	2,405	1,473	5,761	1	29	664
2012	14,432	2,567	1,357	6,244	1	20	601
2013	14,375	2,598	1,168	6,710	1	20	450
2014	13,722	2,602	991	6,541	2	22	278
2015	14,718	2,705	1,069	6,801	89	32	556
2016	15,853	2,854	1,466	7,296	7	38	553
2017	15,640	2,885	1,461	7,495	9	49	562
2018	15,637	2,930	1,344	7,601	9	30	624
2019	16,372	3,168	1,243	7,670	11	2	429
2020	15,601	3,214	1,353	7,514	24	0	60
2021	16,122	3,439	1,318	7,865	25	1	35
산업	1,908	31	87	641	8	1	26
농림수산	275	27	63	175	1	0	1
광업	72	0	0	68	-	-	3
제조업	1,104	1	15	165	3	0	21
건설업	457	3	8	233	4	-	1
에너지산업(전환)	293	0	10	166	-	-	-
수송	10,733	3,400	0	6,373	12	-	0
철도	-	-	-	-	-	-	-
육상	10,406	3,400	0	6,078	-	-	-
해상	307	-	-	295	12	-	0
항공	20	-	-	-	-	-	-
가정	1,706	0	1,165	5	-	0	5
상업	790	4	52	14	5	0	3
공공	692	4	5	665	-	0	2

1. 프로판 + 부탄

2. 파라핀왁스+석유코크+부생연료유+기타제품

자료: 한국석유공사 「석유류수급통계」



## 3-10. Gangwon-do

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
-	-	406	2,462	110	-	-	1996
-	-	275	2,614	176	-	-	1997
-	-	195	2,713	185	-	-	1998
-	-	305	3,928	169	-	-	1999
-	-	113	4,928	120	-	-	2000
-	-	39	4,967	130	1	487	2001
-	-	40	4,421	205	3	515	2002
-	1	35	3,543	421	1	402	2003
-	103	42	3,384	491	1	479	2004
-	82	21	3,417	295	-	508	2005
-	2	22	2,420	357	-	735	2006
-	1	18	3,023	460	-	582	2007
-	2	15	2,787	460	-	509	2008
-	4	14	2,760	594	-	497	2009
-	2	14	2,688	394	-	699	2010
-	1	5	2,781	396	-	329	2011
-	4	9	2,954	407	-	267	2012
-	32	5	2,785	398	0	207	2013
-	43	18	2,748	286	-	189	2014
-	63	81	2,802	329	-	191	2015
-	71	106	2,817	422	-	224	2016
-	74	6	2,455	519	5	118	2017
-	71	6	2,361	300	31	330	2018
-	76	5	2,410	242	6	1,110	2019
-	94	17	2,264	212	11	838	2020
-	70	20	2,266	205	18	861	2021
-	67	-	95	205	18	730	Industry
-	-	-	-	-	-	8	Agri-Fishery
-	-	-	1	-	-	1	Mining
-	67	-	92	-	18	721	Manufacturing
-	-	-	2	205	-	0	Construction
-	-	-	-	-	-	118	Energy Industry (Transformation)
-	-	20	928	-	-	-	Transportation
-	-	-	-	-	-	-	Railways
-	-	-	928	-	-	-	Roads
-	-	-	-	-	-	-	Shipping
-	-	20	-	-	-	-	Civil Aviation
-	0	-	530	-	-	-	Residential
-	2	-	701	-	-	9	Commercial
-	-	-	11	-	-	4	Public

1. Sum of propane and butane

2. Includes paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 3-11. 충청북도

단위: 1,000배럴

구분	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	19,258	2,495	3,985	7,025	6	17	3,131
1997	19,496	2,663	3,916	6,626	1	6	3,140
1998	14,472	2,207	2,621	4,741	-	-	2,218
1999	16,142	2,085	3,561	4,559	-	4	2,600
2000	17,654	2,132	3,628	5,444	-	18	2,892
2001	18,177	2,184	3,402	5,470	3	12	2,639
2002	17,547	2,083	3,084	6,040	13	10	2,672
2003	17,896	2,046	2,984	6,576	22	11	2,554
2004	16,819	2,036	2,644	6,138	15	12	2,322
2005	17,128	2,154	2,435	6,114	8	16	2,248
2006	17,407	2,167	1,962	6,361	8	14	2,152
2007	17,275	2,316	1,677	6,645	1	12	2,015
2008	16,389	2,384	1,759	6,097	1	6	1,900
2009	16,660	2,521	1,696	6,417	1	6	1,614
2010	17,150	2,627	1,920	6,447	3	11	1,442
2011	16,231	2,651	1,592	6,457	4	13	1,103
2012	16,127	2,713	1,392	6,772	10	10	913
2013	15,497	2,805	1,197	7,073	7	7	800
2014	14,429	2,791	977	6,945	5	1	484
2015	15,174	2,928	1,055	7,344	6	1	201
2016	16,887	3,123	1,165	8,062	4	1	516
2017	17,179	3,174	1,137	8,264	6	1	565
2018	17,305	3,301	1,166	8,378	6	0	596
2019	17,774	3,454	1,112	8,520	6	0	546
2020	17,059	3,358	1,104	8,172	10	0	518
2021	17,464	3,577	1,117	8,412	5	0	471
산업	1,973	44	200	664	5	0	16
농림수산	337	32	143	147	0	0	0
광업	62	0	4	55	-	-	3
제조업	1,004	3	47	180	5	0	11
건설업	570	9	6	282	-	-	2
에너지산업(전환)	1,151	0	0	2	-	-	448
수송	12,388	3,523	0	7,620	-	-	-
철도	-	-	-	-	-	-	-
육상	12,148	3,523	0	7,620	-	-	-
해상	0	-	-	0	-	-	-
항공	240	-	-	-	-	-	-
가정	1,278	0	874	19	-	-	2
상업	537	2	34	29	0	0	4
공공	137	7	10	77	-	-	-

1. 프로판 + 부탄

2. 파라핀왁스+석유코크+부생연료유+기타제품

자료: 한국석유공사 「석유류수급통계」

## 3-11. Chungcheongbuk-do

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
							1996
-	-	492	2,282	181	-	-	1997
-	6	353	2,135	142	-	-	1998
-	-	661	2,537	135	-	-	1999
-	-	620	2,752	167	-	-	2000
-	620	2,752	167	-	-	-	
							2001
-	-	218	3,997	201	-	51	2002
-	-	50	3,129	332	-	133	2003
-	-	61	3,121	347	-	174	2004
-	76	53	3,019	318	-	186	2005
-	107	83	3,542	276	1	145	2006
-	492	79	3,636	281	8	247	2007
-	261	393	3,374	295	17	270	2008
-	243	299	3,098	335	34	233	2009
-	232	134	3,331	471	28	211	2010
-	431	187	3,419	448	22	193	
							2011
-	286	162	3,279	446	15	224	2012
-	102	469	3,090	471	17	168	2013
-	27	162	2,749	523	13	133	2014
-	38	148	2,595	289	-	155	2015
-	53	86	2,964	381	-	155	2016
-	63	223	3,185	376	-	169	2017
-	66	215	3,164	403	-	184	2018
-	61	188	2,995	350	24	240	2019
-	65	218	3,074	338	-	441	2020
-	82	204	2,906	333	1	369	
-	60	240	2,930	263	26	361	2021
-	57	-	392	263	26	305	Industry
-	-	-	2	-	-	12	Agri-Fishery
-	0	-	0	-	-	-	Mining
-	57	-	382	-	26	292	Manufacturing
-	-	-	7	263	-	1	Construction
-	-	-	686	-	-	15	Energy Industry (Transformation)
-	-	240	1,005	-	-	-	Transportation
-	-	-	-	-	-	-	Railways
-	-	-	1,005	-	-	-	Roads
-	-	-	-	-	-	-	Shipping
-	-	240	-	-	-	-	Civil Aviation
-	1	-	381	-	-	1	Residential
-	2	-	451	-	-	15	Commercial
-	0	-	17	-	-	26	Public

1. Sum of propane and butane

2. Includes paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 3-12. 충청남도

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	47,096	2,149	2,918	7,181	12	20	8,663
1997	56,417	2,966	3,484	8,674	14	19	9,635
1998	75,713	2,671	2,830	6,679	20	11	9,876
1999	83,149	3,146	4,424	7,780	51	15	10,882
2000	87,754	2,731	5,090	8,139	49	18	9,689
2001	88,877	2,847	4,750	8,451	27	13	9,016
2002	93,254	3,058	4,368	8,889	73	7	8,971
2003	94,278	3,326	4,278	10,629	81	35	7,749
2004	92,660	3,116	3,647	9,448	75	11	7,337
2005	95,426	3,252	3,517	9,734	72	13	5,830
2006	100,741	3,332	2,967	10,085	77	15	5,429
2007	114,681	3,456	2,598	10,383	109	10	4,756
2008	123,997	3,511	2,703	9,475	80	10	3,941
2009	130,704	3,753	2,642	9,637	94	7	3,555
2010	130,058	3,835	3,011	10,152	90	3	3,776
2011	129,217	3,855	2,569	10,226	91	4	3,707
2012	139,552	3,887	2,149	10,514	85	3	1,816
2013	141,519	4,006	1,832	10,595	60	3	1,915
2014	152,697	3,785	1,387	9,767	56	7	818
2015	156,012	4,044	1,576	9,998	45	2	1,578
2016	185,402	4,339	1,985	10,732	50	4	2,314
2017	182,650	4,416	1,998	11,219	66	5	1,897
2018	190,293	4,517	1,959	11,172	55	8	1,537
2019	191,999	4,651	1,749	11,319	146	10	1,018
2020	197,030	4,588	1,803	10,989	117	6	1,617
2021	193,125	4,873	1,868	11,606	82	2	1,238
산업	172,062	127	236	1,087	34	2	89
농림수산	801	92	178	506	11	0	3
광업	205	0	0	17	1	0	-
제조업	169,474	30	50	199	10	1	86
건설업	1,583	6	9	365	11	-	-
에너지산업(전환)	679	0	115	219	-	-	-
수송	17,419	4,738	0	10,116	47	-	1,143
철도	-	-	-	-	-	-	-
육상	16,107	4,738	0	9,994	-	-	-
해상	1,312	-	-	122	47	-	1,143
항공	-	-	-	-	-	-	-
가정	2,151	1	1,475	61	-	-	4
상업	641	2	32	60	0	0	0
공공	172	5	10	63	1	-	1

1. 프로판 + 부탄

2. 파라핀왁스+석유코크+부생연료유+기타제품

자료: 한국석유공사 「석유류수급통계」

## 3-12. Chungcheongnam-do

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
22,901	-	67	2,984	201	-	-	1996
27,656	-	118	3,318	274	-	23	1997
49,813	-	167	2,869	264	-	-	1998
52,074	-	212	3,902	293	-	-	1999
56,256	-	293	4,773	280	-	-	2000
57,604	6	134	5,041	455	-	534	2001
62,219	15	37	4,444	567	3	604	2002
62,656	21	35	4,388	544	10	525	2003
63,434	231	96	4,189	470	17	587	2004
65,870	542	79	5,617	399	17	484	2005
71,998	713	25	5,161	461	8	473	2006
85,761	481	63	6,038	546	6	473	2007
94,058	270	467	8,278	701	3	502	2008
101,157	280	741	7,600	842	6	389	2009
100,143	428	747	6,410	736	10	717	2010
98,309	299	231	8,615	672	31	607	2011
110,824	72	33	8,648	653	32	836	2012
109,827	29	13	11,421	683	34	1,100	2013
124,561	36	7	10,617	609	37	1,010	2014
130,036	49	3	6,581	1,091	36	970	2015
153,047	58	3	10,883	999	39	949	2016
153,232	64	2	7,735	884	56	1,074	2017
156,688	58	3	12,044	949	72	1,230	2018
153,361	62	3	17,496	1,041	53	1,090	2019
149,886	77	5	25,647	1,029	78	1,188	2020
141,098	57	78	26,491	1,187	2,335	2,209	2021
141,098	54	-	23,852	1,187	2,335	1,961	Industry
-	-	-	5	-	-	6	Agri-Fishery
-	0	-	-	-	-	186	Mining
141,098	54	-	23,841	-	2,335	1,769	Manufacturing
-	-	-	5	1,187	-	-	Construction
-	-	-	118	-	-	227	Energy Industry (Transformation)
-	0	-	1,374	-	-	-	Transportation
-	-	-	-	-	-	-	Railways
-	0	-	1,374	-	-	-	Roads
-	-	-	-	-	-	-	Shipping
-	-	-	-	-	-	-	Civil Aviation
-	1	-	604	-	-	5	Residential
-	2	0	532	-	-	13	Commercial
-	0	78	12	-	-	2	Public

1. Sum of propane and butane

2. Includes paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 3-13. 전라북도

단위: 1,000배럴

구분	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	26,690	2,700	3,695	9,067	-	-	8,371
1997	25,042	2,816	3,997	8,701	-	-	6,530
1998	18,577	2,380	2,613	5,800	7	-	5,051
1999	21,954	2,592	3,767	6,699	14	-	5,460
2000	23,745	2,447	3,593	7,215	5	-	6,380
2001	23,562	2,369	3,432	7,405	31	-	6,317
2002	23,165	2,556	3,207	7,454	78	6	5,861
2003	22,560	2,182	2,597	7,077	186	1	6,399
2004	21,617	2,388	2,488	7,206	55	1	5,316
2005	21,468	2,713	2,407	6,846	63	5	5,101
2006	21,147	2,587	1,901	7,194	56	6	4,667
2007	19,794	2,391	1,500	6,934	61	2	4,073
2008	18,189	2,444	1,655	6,495	41	-	2,881
2009	17,801	2,471	1,506	6,402	37	1	2,477
2010	18,144	2,714	1,675	6,955	42	18	2,129
2011	17,364	2,751	1,585	7,086	46	14	1,739
2012	16,285	2,735	1,313	7,169	79	23	992
2013	16,050	2,842	1,165	7,296	74	23	848
2014	16,563	2,854	955	7,271	119	10	1,844
2015	18,972	3,169	1,158	8,441	196	37	2,118
2016	19,790	3,325	1,330	8,655	117	114	2,257
2017	19,771	3,474	1,383	9,240	74	61	1,643
2018	18,680	3,378	1,377	8,855	65	59	1,241
2019	17,916	3,347	1,226	8,676	63	46	572
2020	17,213	3,250	1,280	8,274	161	26	536
2021	16,908	3,376	1,263	8,328	74	8	345
산업	2,899	94	183	1,029	53	5	310
농림수산	844	87	155	572	7	0	13
광업	39	0	0	31	-	-	4
제조업	1,458	1	22	163	2	-	293
건설업	558	5	6	263	43	5	-
에너지산업(전환)	45	0	25	2	-	-	-
수송	11,705	3,278	1	7,144	12	-	20
철도	-	-	-	-	-	-	-
육상	11,637	3,278	1	7,108	-	-	-
해상	68	-	-	36	12	-	20
항공	-	-	-	-	-	-	-
가정	1,533	1	1,020	40	3	2	12
상업	543	1	28	66	6	0	3
공공	183	2	5	47	-	-	-

1. 프로판 + 부탄

2. 파라핀왁스+석유코크+부생연료유+기타제품

자료: 한국석유공사 「석유류수급통계」

## 3-13. Jeollabuk-do

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
20	6	-	2,476	355	-	-	1996
29	5	22	2,665	277	-	-	1997
17	5	-	2,436	267	-	-	1998
17	6	1	3,162	235	-	-	1999
18	3	-	3,989	94	-	-	2000
15	1	332	3,363	263	-	34	2001
-	1	294	3,369	281	-	59	2002
35	90	238	3,312	394	-	50	2003
255	4	316	3,195	343	-	52	2004
282	19	339	3,358	325	-	11	2005
252	284	239	3,472	363	-	124	2006
272	151	334	3,420	540	-	116	2007
-	149	355	3,545	495	14	115	2008
-	150	305	3,635	666	4	146	2009
-	184	360	3,442	517	3	105	2010
-	126	321	3,145	474	0	75	2011
141	40	286	3,030	413	0	65	2012
212	47	322	2,778	386	0	56	2013
211	62	302	2,613	265	-	59	2014
175	82	436	2,790	317	-	53	2015
244	99	352	2,863	313	-	121	2016
300	109	415	2,739	241	-	92	2017
297	100	373	2,610	249	24	53	2018
271	107	439	2,852	263	-	55	2019
302	132	266	2,698	240	-	48	2020
320	98	111	2,716	221	-	49	2021
320	95	-	562	221	-	28	Industry
-	-	-	0	-	-	9	Agri-Fishery
-	0	-	3	-	-	-	Mining
320	95	-	545	-	-	17	Manufacturing
-	-	-	13	221	-	1	Construction
-	-	-	6	-	-	12	Energy Industry (Transformation)
-	-	-	1,250	-	-	-	Transportation
-	-	-	-	-	-	-	Railways
-	-	-	1,250	-	-	-	Roads
-	-	-	-	-	-	-	Shipping
-	-	-	-	-	-	-	Civil Aviation
-	1	-	453	-	-	0	Residential
-	3	0	431	-	-	5	Commercial
-	-	111	14	-	-	3	Public

1. Sum of propane and butane

2. Includes paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 3-14. 전라남도

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	106,154	2,203	3,276	11,322	279	186	15,629
1997	127,607	1,870	2,875	10,547	208	202	14,850
1998	121,763	1,397	1,898	8,200	143	250	9,167
1999	125,396	1,894	3,123	10,289	297	168	10,501
2000	129,791	1,635	3,005	9,930	395	95	10,163
2001	128,152	2,032	2,922	11,421	258	40	9,506
2002	136,912	2,286	3,268	12,017	370	46	9,096
2003	138,545	2,148	2,904	12,243	356	40	7,974
2004	141,339	2,182	2,583	11,981	307	41	8,784
2005	143,814	2,265	2,426	11,653	348	94	7,762
2006	142,117	2,125	2,022	11,485	334	121	7,885
2007	152,601	2,326	1,759	11,247	300	137	7,559
2008	155,197	2,317	1,984	9,889	225	176	5,462
2009	168,343	2,484	1,879	10,623	217	157	7,205
2010	171,337	2,625	2,147	10,535	249	109	7,268
2011	170,210	2,646	1,916	10,372	225	137	4,860
2012	172,665	2,723	1,650	10,249	224	83	4,341
2013	179,031	2,804	1,436	9,120	194	97	3,024
2014	172,613	2,763	1,227	8,684	130	99	2,173
2015	180,965	3,021	1,490	9,879	151	128	2,777
2016	170,559	3,073	1,698	10,116	189	108	3,057
2017	188,736	3,237	1,738	11,031	370	160	2,621
2018	175,472	3,178	1,706	11,123	385	115	3,219
2019	183,029	3,329	1,660	11,825	437	64	2,903
2020	158,290	3,265	1,784	11,687	307	34	6,209
2021	220,295	3,452	1,659	11,889	246	27	6,092
산업	198,466	298	221	2,834	61	18	265
농림수산	2,611	286	189	2,072	7	0	14
광업	44	-	0	20	9	-	15
제조업	193,964	2	29	315	36	13	211
건설업	1,847	9	4	427	10	4	24
에너지산업(전환)	155	0	114	20	-	-	-
수송	18,933	3,147	0	8,737	168	9	5,820
철도	-	-	-	-	-	-	-
육상	11,981	3,147	0	7,789	0	-	-
해상	6,944	-	-	948	168	9	5,820
항공	7	-	-	-	-	-	-
가정	2,124	0	1,286	47	-	0	-
상업	358	4	30	33	3	0	4
공공	259	3	8	218	14	-	4

1. 프로판 + 부탄

2. 파라핀왁스+석유코크+부생연료유+기타제품

자료: 한국석유공사 「석유류수급통계」



## 3-14. Jeollanam-do

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
69,630	16	2	3,104	506	-	-	1996
91,359	9	2	3,393	609	53	1,629	1997
94,921	4	2	3,339	504	20	1,917	1998
92,294	10	2	4,412	456	-	1,948	1999
97,846	6	1	4,200	275	-	2,242	2000
95,456	99	2	3,533	293	-	2,591	2001
100,729	238	2	4,599	618	-	3,643	2002
103,263	203	6	4,552	973	-	3,883	2003
104,755	452	7	4,901	1,115	219	4,012	2004
109,511	398	3	4,966	771	228	3,389	2005
107,751	94	7	5,664	1,033	1	3,596	2006
119,423	291	4	5,776	848	-	2,929	2007
123,865	331	3	7,338	745	8	2,855	2008
232	852	5	6,973	-	-	2,436	2009
139,417	95	2	5,087	760	-	3,045	2010
138,217	60	3	7,960	729	-	3,084	2011
143,363	47	5	6,193	883	-	2,904	2012
146,338	3	1	9,304	674	-	6,035	2013
139,637	4	18	10,378	292	-	7,211	2014
146,541	6	13	9,178	444	-	7,336	2015
131,735	7	8	11,777	427	10	8,355	2016
151,854	7	46	8,585	406	33	8,650	2017
135,933	7	489	10,228	807	70	8,212	2018
138,101	7	146	15,391	882	62	8,222	2019
111,849	9	50	13,509	812	49	8,726	2020
174,845	6	4	11,935	1,353	163	8,623	2021
174,845	4	-	9,791	1,353	163	8,614	Industry
-	-	-	16	-	-	27	Agri-Fishery
-	-	-	-	-	-	1	Mining
174,845	4	-	9,759	-	163	8,586	Manufacturing
-	-	-	15	1,353	-	-	Construction
-	-	-	20	-	-	1	Energy Industry (Transformation)
-	-	4	1,048	-	-	0	Transportation
-	-	-	-	-	-	-	Railways
-	-	-	1,045	-	-	-	Roads
-	-	-	-	-	-	-	Shipping
-	-	4	3	-	-	0	Civil Aviation
-	1	-	789	-	-	1	Residential
-	1	0	280	-	-	3	Commercial
-	-	0	6	-	-	4	Public

1. Sum of propane and butane

2. Includes paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 3-15. 경상북도

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	39,229	4,461	6,572	11,651	155	83	10,224
1997	36,842	4,839	6,726	10,842	143	85	8,717
1998	29,431	4,236	4,868	8,485	91	77	7,246
1999	34,796	4,474	6,767	9,250	159	104	7,738
2000	33,753	4,214	6,612	9,412	211	85	7,350
2001	34,668	4,333	6,137	10,414	188	116	7,104
2002	33,575	4,171	5,900	10,856	247	132	6,797
2003	32,791	3,776	5,420	11,266	157	168	6,374
2004	31,005	3,554	4,396	10,889	168	165	6,324
2005	30,807	3,659	3,989	10,775	159	168	6,127
2006	30,660	3,746	3,302	11,397	51	186	5,219
2007	30,798	4,037	2,965	11,660	36	187	4,878
2008	28,971	4,064	3,163	10,669	22	133	4,084
2009	28,741	4,348	3,147	10,831	14	88	3,254
2010	29,584	4,506	3,817	10,870	21	120	3,053
2011	28,040	4,515	3,344	10,961	15	153	2,479
2012	26,404	4,734	2,951	11,075	23	95	1,605
2013	25,692	4,935	2,657	11,527	5	86	1,172
2014	24,879	4,899	2,158	11,554	49	70	832
2015	25,980	5,130	2,240	12,474	19	80	847
2016	27,802	5,412	2,592	13,491	24	69	820
2017	28,065	5,495	2,583	13,687	42	39	547
2018	27,199	5,511	2,649	13,342	33	57	470
2019	27,703	5,714	2,437	13,798	66	33	331
2020	26,878	5,407	2,427	13,480	57	17	177
2021	27,900	5,778	2,504	14,128	27	21	129
산업	3,483	59	334	1,074	6	19	111
농림수산	737	47	272	360	3	13	0
광업	85	0	1	41	0	-	-
제조업	1,497	3	54	213	3	6	110
건설업	1,165	8	7	460	0	0	-
에너지산업(전환)	198	0	118	17	-	-	-
수송	20,424	5,702	1	12,799	18	-	2
철도	-	-	-	-	-	-	-
육상	20,403	5,702	1	12,798	0	-	-
해상	21	-	-	2	18	-	2
항공	-	-	-	-	-	-	-
가정	2,744	1	1,981	65	0	0	9
상업	864	4	59	43	1	1	2
공공	186	13	13	129	2	0	6

1. 프로판 + 부탄

2. 파라핀왁스+석유코크+부생연료유+기타제품

자료: 한국석유공사 「석유류수급통계」

## 3-15. Gyeongsangbuk-do

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
-	-	128	5,935	21	-	-	1996
-	-	20	5,385	56	31	-	1997
-	-	41	4,335	40	13	-	1998
-	-	67	6,027	192	17	-	1999
-	-	83	5,621	146	19	-	2000
-	-	930	5,183	226	16	22	2001
-	-	25	5,020	318	15	93	2002
-	3	31	4,721	746	11	120	2003
-	1	147	4,542	682	14	124	2004
-	5	259	4,940	639	30	55	2005
22	636	165	5,178	519	37	201	2006
31	502	122	5,686	521	34	137	2007
-	423	139	5,569	535	56	113	2008
-	250	129	5,797	747	27	107	2009
-	597	64	5,584	602	174	176	2010
-	396	8	5,269	597	133	169	2011
18	60	55	5,033	505	90	161	2012
34	25	17	4,491	443	99	202	2013
35	33	0	4,709	238	98	204	2014
34	46	0	4,461	338	91	220	2015
34	54	0	4,679	378	57	193	2016
35	58	0	5,126	261	41	151	2017
34	54	0	4,628	275	41	106	2018
34	57	0	4,864	263	21	86	2019
33	72	0	4,502	576	20	111	2020
35	53	1	4,433	686	23	82	2021
35	45	0	1,026	686	23	64	Industry
-	-	-	26	-	-	16	Agri-Fishery
-	1	-	41	-	-	0	Mining
35	44	0	957	-	23	48	Manufacturing
-	-	-	3	686	-	-	Construction
-	-	-	63	-	-	-	Energy Industry (Transformation)
-	-	-	1,902	-	-	-	Transportation
-	-	-	-	-	-	-	Railways
-	-	-	1,902	-	-	-	Roads
-	-	-	-	-	-	-	Shipping
-	-	-	-	-	-	-	Civil Aviation
-	7	-	680	-	-	0	Residential
-	1	0	746	-	-	8	Commercial
-	-	1	14	-	-	9	Public

1. Sum of propane and butane

2. Includes paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 3-16. 경상남도

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	133,732	6,321	7,522	20,525	735	415	39,443
1997	174,623	6,792	15,142	20,969	435	365	39,427
1998	36,085	4,403	4,615	9,534	299	265	10,706
1999	32,113	4,662	5,830	9,685	304	235	5,755
2000	31,287	4,361	5,480	10,191	355	263	4,747
2001	31,832	4,429	4,605	10,497	334	231	5,708
2002	32,005	4,401	4,605	10,378	398	277	5,531
2003	31,582	4,207	4,166	10,946	272	356	4,740
2004	29,932	4,096	3,419	10,872	253	375	4,645
2005	30,489	4,245	3,215	10,528	246	350	4,641
2006	30,934	4,315	2,689	11,427	281	349	4,235
2007	30,512	4,560	2,174	11,783	248	327	3,674
2008	30,211	4,676	2,311	11,091	237	282	3,343
2009	31,251	4,938	2,161	10,810	360	221	3,551
2010	32,144	5,140	2,410	11,935	322	246	3,395
2011	31,048	5,143	2,210	11,830	415	203	2,821
2012	29,323	5,318	1,957	11,927	272	125	2,254
2013	29,295	5,463	1,641	12,638	263	123	1,411
2014	28,197	5,493	1,517	12,893	241	85	959
2015	28,929	5,754	1,498	13,538	162	100	825
2016	30,397	5,914	1,909	13,868	139	113	977
2017	32,366	6,164	1,869	15,385	107	99	1,177
2018	30,062	6,068	1,841	13,736	102	89	1,005
2019	30,178	6,203	1,645	13,887	154	57	738
2020	29,379	5,998	1,665	13,715	160	27	771
2021	29,687	6,220	1,690	14,090	130	44	280
산업	5,236	109	233	1,312	75	41	170
농림수산	917	81	173	532	43	38	3
광업	35	0	0	24	2	1	1
제조업	3,054	19	52	342	30	2	164
건설업	1,231	9	8	413	0	-	2
에너지산업(전환)	182	0	51	4	-	-	4
수송	20,108	6,098	0	11,999	39	1	94
철도	-	-	-	-	-	-	-
육상	19,158	6,098	0	11,226	0	0	-
해상	947	-	-	773	39	1	94
항공	2	-	-	-	-	-	-
가정	2,409	0	1,354	76	6	0	10
상업	1,031	4	43	39	5	2	1
공공	722	10	9	659	5	-	0

1. 프로판 + 부탄

2. 파라핀왁스+석유코크+부생연료유+기타제품

자료: 한국석유공사 「석유류수급통계」

## 3-16. Gyeongsangnam-do

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
41,577	220	873	13,806	2,297	-	-	1996
65,369	272	1,100	18,806	2,450	2,675	753	1997
793	82	191	4,573	341	283	-	1998
-	41	247	4,688	268	399	-	1999
-	46	731	4,497	166	452	-	2000
13	44	901	4,230	294	488	60	2001
-	48	183	5,018	469	492	206	2002
-	65	654	4,800	665	467	245	2003
-	121	322	4,537	673	404	215	2004
-	133	97	5,794	778	355	108	2005
-	259	181	5,905	657	340	296	2006
-	336	85	5,978	644	384	321	2007
-	284	102	6,484	633	494	273	2008
-	241	170	7,285	849	439	226	2009
-	299	64	6,605	973	577	178	2010
-	195	26	6,527	886	615	177	2011
-	97	50	5,719	841	599	163	2012
-	59	48	6,082	794	588	185	2013
-	79	109	5,568	483	593	177	2014
-	110	125	5,180	746	726	163	2015
-	130	155	5,391	797	795	209	2016
-	139	137	5,334	867	934	154	2017
-	129	150	5,189	723	874	158	2018
-	138	148	5,360	761	835	251	2019
-	171	48	4,995	670	837	322	2020
-	126	13	4,994	799	938	362	2021
-	104	3	1,210	799	938	243	Industry
-	-	-	0	-	-	46	Agri-Fishery
-	0	-	6	-	-	-	Mining
-	103	3	1,204	-	938	197	Manufacturing
-	-	-	0	799	-	-	Construction
-	-	-	42	-	-	80	Energy Industry (Transformation)
-	-	2	1,843	-	-	31	Transportation
-	-	-	-	-	-	-	Railways
-	-	-	1,833	-	-	0	Roads
-	-	-	10	-	-	30	Shipping
-	-	2	-	-	-	-	Civil Aviation
-	16	-	947	-	-	-	Residential
-	7	-	926	-	-	4	Commercial
-	0	9	26	-	-	4	Public

1. Sum of propane and butane

2. Includes paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 3-17. 제주도

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	7,185	614	283	3,856	11	246	1,247
1997	7,303	684	328	4,184	11	340	1,124
1998	5,511	612	615	2,407	19	291	937
1999	6,936	656	1,922	2,122	50	507	766
2000	7,689	636	1,641	1,868	80	510	1,019
2001	8,379	646	1,088	2,220	8	557	1,770
2002	8,567	579	1,100	1,998	51	586	2,664
2003	8,400	620	961	2,179	7	533	2,020
2004	7,958	605	902	1,908	2	567	2,193
2005	8,048	566	864	1,695	4	635	2,389
2006	7,835	542	887	1,689	4	563	2,612
2007	8,389	536	575	1,610	11	535	3,090
2008	7,831	391	495	1,186	8	479	3,258
2009	8,526	438	584	1,347	4	466	3,597
2010	10,027	663	795	1,789	8	409	3,589
2011	9,402	658	617	1,706	5	310	3,483
2012	9,549	699	643	1,785	22	253	3,759
2013	10,245	763	621	1,914	44	208	3,960
2014	8,252	818	438	1,925	16	139	2,211
2015	8,354	935	456	2,115	23	109	1,776
2016	8,223	1,037	687	2,353	22	132	1,093
2017	9,299	1,117	814	2,515	45	132	1,528
2018	9,784	1,160	1,091	2,727	18	103	1,624
2019	9,589	1,159	1,122	3,205	20	91	824
2020	7,218	1,148	829	2,432	30	43	159
2021	7,705	1,278	615	2,674	32	18	242
산업	601	5	22	454	1	16	-
농림수산	512	5	10	404	-	14	-
광업	1	-	0	-	1	-	-
제조업	44	0	12	7	-	2	-
건설업	43	0	0	43	-	0	-
에너지산업(전환)	451	-	31	172	-	-	242
수송	4,980	1,267	0	1,901	30	0	-
철도	-	-	-	-	-	-	-
육상	3,704	1,267	-	1,862	-	0	-
해상	63	-	-	33	30	-	-
항공	1,213	-	0	6	-	-	-
가정	978	2	542	17	-	0	-
상업	550	3	13	3	-	1	-
공공	146	0	6	127	1	1	-

1. 프로판 + 부탄

2. 파라핀왁스+석유코크+부생연료유+기타제품

자료: 한국석유공사 「석유류수급통계」

## 3-17. Jeju-do

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
-	-	343	585	-	-	-	1996
-	-	-1	633	-	-	-	1997
-	-	-2	579	53	-	-	1998
-	-	24	889	-	-	-	1999
-	-	852	1,071	12	-	-	2000
-	-	966	1,125	-	-	-	2001
-	-	534	1,008	47	-	-	2002
-	-	1,051	981	47	-	1	2003
-	-	684	925	157	-	15	2004
-	-	551	989	326	-	30	2005
-	-	487		145	-	39	2006
-	-	516	1,231	256	-	30	2007
-	-	553	1,369	70	-	22	2008
-	1	642	1,286	144	-	16	2009
-	-	713	1,557	497	-	6	2010
-	0	822	1,641	156	-	3	2011
-	0	932	1,300	145	-	10	2012
-	1	984	1,372	357	-	21	2013
-	1	955	1,336	241	-	172	2014
-	1	1,037	1,621	115	-	165	2015
-	2	1,076	1,677	74	-	72	2016
-	2	1,441	1,616	36	-	52	2017
-	2	1,385	1,557	19	24	75	2018
-	2	1,493	1,592	-	-	81	2019
-	2	950	1,500	-	-	127	2020
-	2	1,215	1,504	-	-	126	2021
-	-	-	8	-	-	94	Industry
-	-	-	-	-	-	79	Agri-Fishery
-	-	-	-	-	-	-	Mining
-	-	-	8	-	-	15	Manufacturing
-	-	-	-	-	-	0	Construction
-	-	-	-	-	-	6	Energy Industry (Transformation)
-	-	1,206	575	-	-	-	Transportation
-	-	-	-	-	-	-	Railways
-	-	-	575	-	-	-	Roads
-	-	-	-	-	-	-	Shipping
-	-	1,206	-	-	-	-	Civil Aviation
-	1	-	416	-	-	-	Residential
-	1	-	502	-	-	26	Commercial
-	-	8	2	-	-	0	Public

1. Sum of propane and butane

2. Includes paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 4. 제조업 업종별 석유 소비

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	244,855	340	4,319	12,577	896	708	73,785
1997	307,790	349	10,566	11,547	671	570	65,523
1998	311,150	808	8,167	6,693	553	448	54,729
1999	318,683	350	4,461	5,136	914	543	61,063
2000	323,119	347	4,720	4,835	996	539	55,018
2001	318,784	382	2,597	4,320	1,004	575	50,734
2002	334,090	335	2,313	3,091	1,100	625	49,531
2003	337,142	329	1,989	2,942	720	766	45,466
2004	346,341	537	2,019	2,854	591	708	41,312
2005	356,800	470	2,180	3,388	532	635	38,275
2006	367,966	355	1,935	3,175	411	557	34,338
2007	394,535	235	1,742	3,239	407	491	31,042
2008	390,202	313	1,847	3,433	360	377	25,765
2009	400,510	306	1,784	3,071	260	351	22,334
2010	408,259	317	2,231	3,243	258	315	20,623
2011	427,143	333	1,809	3,591	314	270	16,520
2012	446,759	316	1,463	3,458	374	176	11,156
2013	449,933	345	1,221	3,833	267	152	7,495
2014	464,646	332	671	4,081	326	119	7,025
2015	473,752	344	317	3,306	199	143	7,458
2016	514,457	382	336	3,253	207	135	7,727
2017	540,304	534	244	3,752	232	110	6,795
2018	538,904	385	247	3,258	174	95	6,292
2019	540,173	367	336	3,134	284	49	4,709
2020	517,158	290	556	3,267	286	36	3,854
2021	572,987	229	529	3,641	203	36	3,359
음식·담배	390	1	42	25	2	2	64
섬유·의복	156	1	32	20	1	8	35
목재·나무	50	2	6	30	-	-	9
펄프·인쇄	230	1	7	51	2	2	43
석유·화학	544,884	2	33	48	16	18	1,332
비금속	3,388	4	5	916	18	2	1,349
1차금속	674	-	1	30	1	0	0
비철금속	281	-	-	22	0	0	125
조립금속	2,123	179	52	849	149	1	315
기타제조	10,383	40	333	1,070	13	3	61
기타에너지	10,428	-	19	581	-	-	25

1. 프로판 + 부탄

2. 정제가스 + 파라핀왁스 + 석유코크 + 부생연료유 + 기타제품

자료: 한국석유공사 「석유류수급통계」



## 4. Petroleum consumption by sub-sector in manufacturing

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
141,272	664	2	10,291	-	-	-	1996
194,917	785	-	15,558	-	3,739	3,564	1997
213,860	578	1	18,451	-	2,821	4,047	1998
218,908	735	1	19,859	-	3,168	3,542	1999
229,026	736	2	18,965	-	3,796	4,142	2000
233,293	794	11	16,317	-	3,570	5,190	2001
245,309	1,271	13	19,691	-	3,828	6,978	2002
252,416	2,703	15	18,031	-	4,079	7,684	2003
262,871	3,894	18	19,454	-	4,333	7,753	2004
273,250	4,380	15	20,822	-	4,966	7,891	2005
287,003	4,429	14	23,654	-	3,681	8,409	2006
316,858	3,594	-	25,173	-	3,693	8,065	2007
311,368	3,030	1	31,121	-	4,504	8,085	2008
322,622	2,963	-	33,919	-	4,900	8,005	2009
331,819	3,693	-	31,409	-	5,238	9,112	2010
355,192	2,488	0	26,697	-	3,409	16,520	2011
384,603	1,123	0	24,547	-	3,452	16,089	2012
384,248	625	3	28,823	-	3,388	19,533	2013
396,344	856	0	30,311	-	3,636	20,945	2014
410,809	1,186	9	29,897	-	3,945	16,140	2015
430,091	1,399	5	49,796	-	4,000	17,125	2016
458,350	1,488	2	48,278	-	4,893	15,626	2017
451,158	1,381	1	54,073	-	5,078	16,761	2018
438,614	1,475	3	67,712	-	4,764	18,728	2019
405,266	1,840	2	71,519	-	4,593	25,652	2020
451,807	1,359	5	72,103	-	8,030	31,683	2021
-	-	-	213	-	-	40	Food and tobacco
-	7	-	41	-	-	10	Textile and leather
-	0	-	3	-	-	0	Wood and wood products
-	53	-	54	-	-	17	Paper, pulp and print
451,807	928	-	61,720	-	-	28,982	Chemical and petrochemical
-	0	-	186	-	-	908	Non-metallic minerals
-	1	-	640	-	-	1	Iron and steel
-	1	-	129	-	-	4	Non-ferrous metals
-	10	0	556	-	-	10	Fabricated metal
-	190	2	7,934	-	-	736	Other manufacturing
-	169	3	627	-	8,030	974	Other energy

1. Sum of propane and butane

2. Includes refinery gas, paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 4-1. 서울특별시

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	4,754	17	177	539	12	12	3,034
1997	3,101	12	155	408	3	4	1,853
1998	2,603	29	186	288	2	10	1,362
1999	1,758	10	310	186	5	4	488
2000	1,582	2	401	314	2	2	329
2001	3,148	29	99	124	2	6	859
2002	3,777	13	90	73	4	19	300
2003	4,834	-	109	102	5	15	298
2004	5,094	1	42	104	2	11	256
2005	5,057	1	47	129	3	1	228
2006	4,377	1	107	142	8	-	278
2007	4,847	-	152	200	4	-	376
2008	4,979	-	137	196	5	-	106
2009	1,467	-	37	147	4	-	22
2010	1,594	2	23	158	2	-	12
2011	3,647	1	27	154	2	1	9
2012	3,559	0	21	106	3	0	56
2013	3,405	1	14	188	2	0	127
2014	3,780	0	8	88	2	0	431
2015	4,446	0	6	114	3	1	338
2016	3,167	0	8	57	3	1	363
2017	2,980	-	4	46	3	1	435
2018	1,632	0	3	51	2	1	13
2019	1,268	0	3	54	0	1	0
2020	904	-	3	46	-	-	-
2021	636	-	3	25	-	-	-
음식·담배	6	-	-	0	-	-	-
섬유·의복	1	-	0	1	-	-	-
목재·나무	-	-	-	-	-	-	-
펄프·인쇄	6	-	0	6	-	-	-
석유·화학	293	-	-	-	-	-	-
비금속	16	-	0	15	-	-	-
1차금속	-	-	-	-	-	-	-
비철금속	-	-	-	-	-	-	-
조립금속	3	-	0	0	-	-	-
기타제조	307	-	2	2	-	-	-
기타에너지	4	-	-	-	-	-	-

1. 프로판 + 부탄

2. 정제가스 + 파라핀왁스 + 석유코크 + 부생연료유 + 기타제품

자료: 한국석유공사 「석유류수급통계」

## 4-1. Seoul City

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
122	259	-	583	-	-	-	1996
75	254	-	156	-	-	6,324	1997
59	123	-	341	-	-	7,309	1998
91	139	-	401	-	-	6,155	1999
-	142	-	256	-	-	6,854	2000
7	147	-	1,751	-	-	7,787	2001
-	171	12	3,040	-	11	10,052	2002
-	952	14	2,974	-	-	11,381	2003
-	984	17	3,148	-	-	12,254	2004
-	917	15	3,224	-	-	11,929	2005
-	177	14	3,029	-	-	12,679	2006
129	157	-	3,225	-	-	12,550	2007
-	170	-	3,687	-	-	12,981	2008
-	181	-	338	-	-	14,321	2009
-	243	-	193	-	-	15,413	2010
-	162	0	255	-	667	2,370	2011
-	118	0	396	-	688	2,170	2012
-	60	2	385	-	650	1,976	2013
-	90	0	613	-	708	1,839	2014
-	115	0	1,082	-	883	1,904	2015
-	144	0	815	-	974	804	2016
-	146	-	734	-	950	660	2017
-	135	-	630	-	785	11	2018
-	143	-	678	-	379	8	2019
-	184	0	664	-	1	6	2020
-	137	0	468	-	-	3	2021
-	-	-	6	-	-	-	Food and tobacco
-	0	-	-	-	-	-	Textile and leather
-	-	-	-	-	-	-	Wood and wood products
-	0	-	-	-	-	-	Paper, pulp and print
-	91	-	201	-	-	-	Chemical and petrochemical
-	-	-	1	-	-	-	Non-metallic minerals
-	-	-	-	-	-	-	Iron and steel
-	-	-	-	-	-	-	Non-ferrous metals
-	0	0	2	-	-	-	Fabricated metal
-	42	-	257	-	-	3	Other manufacturing
-	4	-	-	-	-	-	Other energy

1. Sum of propane and butane

2. Includes refinery gas, paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 4-2. 부산광역시

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	4,784	15	250	889	91	45	3,329
1997	3,570	15	220	822	110	31	2,261
1998	2,303	10	85	386	95	22	1,527
1999	2,385	2	156	191	141	18	1,617
2000	2,239	7	140	190	121	27	1,471
2001	2,588	12	148	291	153	39	1,743
2002	2,112	19	152	177	105	29	1,361
2003	1,827	18	70	170	57	58	1,153
2004	1,547	14	58	114	42	60	922
2005	1,231	18	66	92	20	76	731
2006	1,439	18	50	97	44	30	645
2007	1,382	16	41	98	64	22	623
2008	1,236	14	40	123	29	19	571
2009	1,074	19	35	103	22	57	389
2010	1,035	24	37	113	15	51	313
2011	1,875	20	33	100	15	33	305
2012	1,695	12	28	76	9	8	163
2013	1,570	11	23	82	3	16	166
2014	1,326	13	12	76	4	11	69
2015	1,409	14	6	56	5	12	93
2016	1,431	17	8	56	9	17	70
2017	1,654	19	7	105	19	14	79
2018	1,549	18	7	112	12	8	65
2019	1,505	13	11	129	8	1	12
2020	1,585	9	19	164	8	1	5
2021	1,650	8	17	84	8	1	8
음식·담배	11	0	0	3	-	-	-
섬유·의복	0	-	0	0	0	0	-
목재·나무	0	-	0	0	-	-	-
펄프·인쇄	19	-	0	1	-	-	-
석유·화학	80	-	2	0	-	0	0
비금속	35	0	0	32	0	0	3
1차금속	7	-	-	7	-	-	-
비철금속	1	-	-	0	0	0	-
조립금속	31	7	1	8	2	0	4
기타제조	241	0	14	31	6	0	0
기타에너지	1,224	-	-	-	-	-	-

1. 프로판 + 부탄

2. 정제가스 + 파라핀왁스 + 석유코크 + 부생연료유 + 기타제품

자료: 한국석유공사 「석유류수급통계」

## 4-2. Busan

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
-	3	-	162	-	-	-	1996
-	2	-	98	-	-	11	1997
-	-	-	159	-	-	19	1998
-	-	-	251	-	-	10	1999
-	9	-	276	-	-	-	2000
-	11	-	167	-	-	23	2001
-	5	-	229	-	-	35	2002
-	23	-	237	-	-	40	2003
-	47	-	240	-	-	48	2004
-	38	-	169	-	-	19	2005
-	230	-	284	-	-	39	2006
-	211	-	261	-	-	46	2007
-	144	-	262	-	-	34	2008
-	121	-	308	-	-	19	2009
-	180	-	283	-	-	12	2010
-	129	-	205	-	1,027	9	2011
-	113	-	243	-	1,036	8	2012
-	57	-	195	-	1,008	8	2013
-	79	-	186	-	869	8	2014
-	112	7	175	-	919	10	2015
-	132	-	169	-	946	7	2016
-	138	-	194	-	1,071	8	2017
-	129	-	197	-	991	9	2018
-	137	-	196	-	989	8	2019
-	172	-	199	-	998	10	2020
-	127	-	202	-	1,189	8	2021
-	-	-	4	-	-	3	Food and tobacco
-	0	-	-	-	-	-	Textile and leather
-	-	-	-	-	-	-	Wood and wood products
-	18	-	-	-	-	-	Paper, pulp and print
-	78	-	0	-	-	0	Chemical and petrochemical
-	-	-	-	-	-	-	Non-metallic minerals
-	1	-	-	-	-	-	Iron and steel
-	-	-	-	-	-	0	Non-ferrous metals
-	0	-	7	-	-	-	Fabricated metal
-	8	-	178	-	-	4	Other manufacturing
-	23	-	12	-	1,189	-	Other energy

1. Sum of propane and butane

2. Includes refinery gas, paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 4-3. 대구광역시

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	3,128	3	163	417	6	68	2,396
1997	2,742	3	134	374	10	49	2,142
1998	2,532	4	119	225	5	30	2,046
1999	3,448	4	232	233	5	40	2,704
2000	2,796	-	220	149	2	34	2,123
2001	2,942	-	246	155	23	45	2,269
2002	2,767	1	227	112	3	54	2,159
2003	2,480	1	202	97	1	45	1,923
2004	2,108	1	118	72	4	23	1,684
2005	1,656	1	108	71	7	12	1,350
2006	1,497	3	89	72	10	11	890
2007	1,217	4	76	63	-	15	712
2008	899	3	92	69	-	4	419
2009	848	2	110	65	0	9	349
2010	950	2	158	51	0	4	379
2011	693	3	121	42	-	5	245
2012	411	5	80	32	2	2	92
2013	318	4	62	36	-	3	69
2014	341	3	25	38	-	2	39
2015	310	0	3	42	-	2	99
2016	369	0	4	39	0	2	141
2017	393	0	4	44	0	1	137
2018	392	1	5	37	-	2	135
2019	304	1	10	40	-	2	45
2020	315	1	23	42	1	3	34
2021	308	0	19	46	0	1	31
음식·담배	2	-	1	0	-	-	-
섬유·의복	13	-	4	2	0	1	1
목재·나무	0	-	0	-	-	-	-
펄프·인쇄	28	-	0	3	-	-	25
석유·화학	25	-	1	0	0	0	-
비금속	26	-	0	25	-	-	1
1차금속	0	-	0	-	-	-	-
비철금속	0	-	-	-	-	-	-
조립금속	12	0	1	9	0	0	-
기타제조	200	0	12	7	-	0	4
기타에너지	1	-	-	-	-	-	0

1. 프로판 + 부탄

2. 정제가스 + 파라핀왁스 + 석유코크 + 부생연료유 + 기타제품

자료: 한국석유공사 「석유류수급통계」

## 4-3. Daegu City

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
-	-	-	74	-	-	-	1996
-	-	-	30	-	-	-	1997
-	-	-	104	-	-	-	1998
-	-	-	231	-	-	-	1999
-	-	-	269	-	-	-	2000
-	1	-	197	-	-	6	2001
-	3	-	193	-	-	15	2002
-	3	-	191	-	-	17	2003
-	2	-	182	-	-	22	2004
-	1	-	105	-	-	-	2005
-	183	-	209	-	-	30	2006
-	69	-	239	-	-	40	2007
-	63	-	221	-	-	27	2008
-	72	-	224	-	-	18	2009
-	115	-	205	-	-	28	2010
-	81	-	166	-	-	31	2011
-	25	-	150	-	-	24	2012
-	12	-	115	-	-	17	2013
-	16	-	206	-	-	13	2014
-	21	-	131	-	-	12	2015
-	25	-	147	-	-	10	2016
-	27	-	168	-	-	11	2017
-	25	-	156	-	24	9	2018
-	27	-	174	-	-	6	2019
-	34	-	174	-	-	6	2020
-	25	-	179	-	-	6	2021
-	-	-	0	-	-	1	Food and tobacco
-	5	-	0	-	-	1	Textile and leather
-	0	-	-	-	-	-	Wood and wood products
-	0	-	-	-	-	-	Paper, pulp and print
-	17	-	7	-	-	-	Chemical and petrochemical
-	-	-	1	-	-	-	Non-metallic minerals
-	-	-	0	-	-	-	Iron and steel
-	0	-	-	-	-	-	Non-ferrous metals
-	1	-	1	-	-	-	Fabricated metal
-	2	-	170	-	-	4	Other manufacturing
-	0	-	-	-	-	-	Other energy

1. Sum of propane and butane

2. Includes refinery gas, paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 4-4. 인천광역시

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	12,307	45	194	779	36	120	3,807
1997	15,619	56	130	625	41	100	3,985
1998	13,164	208	180	465	38	46	3,177
1999	11,989	38	195	266	64	51	3,207
2000	10,136	31	219	235	119	43	3,850
2001	14,246	29	229	168	112	47	2,043
2002	12,381	28	192	170	58	51	1,992
2003	13,569	27	144	132	37	78	1,588
2004	13,333	35	112	102	23	40	1,177
2005	14,618	37	118	116	28	5	1,132
2006	13,410	40	160	133	30	12	943
2007	14,190	46	150	124	35	3	669
2008	10,403	39	92	140	20	4	604
2009	13,295	21	96	136	13	4	737
2010	15,509	14	95	153	10	4	627
2011	12,958	6	94	175	10	2	389
2012	15,485	33	89	175	11	2	119
2013	13,067	47	64	182	8	2	68
2014	18,256	25	36	156	8	1	40
2015	22,942	25	30	182	8	4	54
2016	23,146	20	21	139	5	2	23
2017	27,707	16	20	144	16	1	27
2018	29,124	12	14	145	19	1	101
2019	28,067	20	15	129	2	1	55
2020	29,120	21	18	171	5	1	77
2021	28,057	15	17	178	5	1	54
음식·담배	46	-	1	1	-	-	45
섬유·의복	0	-	0	-	-	-	-
목재·나무	20	-	1	10	-	-	9
펄프·인쇄	0	-	0	-	-	-	-
석유·화학	26,961	-	1	2	2	-	-
비금속	38	-	-	38	-	-	0
1차금속	4	-	-	-	-	-	-
비철금속	-	-	-	-	-	-	-
조립금속	91	15	2	60	3	-	0
기타제조	528	0	13	67	-	1	-
기타에너지	368	-	-	-	-	-	-

1. 프로판 + 부탄

2. 정제가스 + 파라핀왁스 + 석유코크 + 부생연료유 + 기타제품

자료: 한국석유공사 「석유류수급통계」



## 4-4. Incheon City

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
7,005	63	-	257	-	-	-	1996
10,415	76	-	188	-	-	-	1997
8,683	57	-	311	-	-	-	1998
7,641	108	-	419	-	-	-	1999
5,284	94	-	261	-	-	-	2000
11,293	80	-	236	-	-	9	2001
9,499	88	-	286	-	-	19	2002
11,014	249	-	278	-	-	22	2003
10,934	586	-	301	-	-	23	2004
12,165	730	-	286	-	-	-	2005
11,511	159	-	403	-	-	18	2006
12,492	156	-	497	-	-	17	2007
8,816	97	-	562	-	-	28	2008
11,671	95	-	490	-	-	30	2009
13,932	116	-	546	-	-	12	2010
11,696	76	-	463	-	22	26	2011
14,296	31	-	534	-	21	173	2012
12,009	15	0	409	-	129	133	2013
16,809	19	-	248	-	20	894	2014
21,978	26	-	286	-	16	331	2015
22,244	30	-	303	-	41	318	2016
26,106	33	-	349	-	691	303	2017
26,924	31	-	349	-	922	606	2018
25,416	33	-	443	-	1,056	898	2019
25,861	41	-	512	-	811	1,603	2020
25,074	30	2	799	-	312	1,570	2021
-	-	-	0	-	-	0	Food and tobacco
-	0	-	-	-	-	0	Textile and leather
-	-	-	-	-	-	-	Wood and wood products
-	0	-	-	-	-	-	Paper, pulp and print
25,074	16	-	306	-	-	1,561	Chemical and petrochemical
-	-	-	-	-	-	-	Non-metallic minerals
-	-	-	4	-	-	-	Iron and steel
-	-	-	-	-	-	-	Non-ferrous metals
-	2	-	9	-	-	-	Fabricated metal
-	12	-	425	-	-	9	Other manufacturing
-	0	2	54	-	312	-	Other energy

1. Sum of propane and butane

2. Includes refinery gas, paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 4-5. 광주광역시

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	397	6	16	126	3	-	211
1997	469	6	13	106	-	-	330
1998	378	3	22	57	-	-	261
1999	613	6	55	234	-	-	246
2000	759	2	69	234	-	-	309
2001	726	1	23	297	-	-	310
2002	680	1	14	269	-	-	306
2003	652	1	17	275	-	-	265
2004	803	3	13	280	-	-	412
2005	553	8	9	274	-	-	211
2006	408	6	11	183	-	-	157
2007	364	5	9	151	-	-	136
2008	323	4	18	134	-	-	114
2009	357	12	19	152	0	0	122
2010	418	6	18	246	0	-	80
2011	317	2	17	229	-	-	23
2012	101	4	13	31	-	-	16
2013	146	8	9	41	-	-	56
2014	109	7	4	33	-	-	37
2015	177	6	1	34	-	-	81
2016	134	3	1	29	-	-	39
2017	146	0	1	29	0	0	33
2018	133	2	2	27	-	0	1
2019	122	5	1	29	0	-	1
2020	136	14	2	32	-	-	1
2021	124	9	2	22	-	-	2
음식·담배	0	-	0	-	-	-	-
섬유·의복	0	-	0	-	-	-	-
목재·나무	0	-	0	-	-	-	-
펄프·인쇄	1	-	0	-	-	-	1
석유·화학	2	-	0	0	-	-	-
비금속	8	-	-	8	-	-	0
1차금속	-	-	-	-	-	-	-
비철금속	-	-	-	-	-	-	-
조립금속	25	9	1	10	-	-	-
기타제조	87	-	1	3	-	-	-
기타에너지	-	-	-	-	-	-	-

1. 프로판 + 부탄

2. 정제가스 + 파라핀왁스 + 석유코크 + 부생연료유 + 기타제품

자료: 한국석유공사 「석유류수급통계」

## 4-5. Gwangju City

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
-	-	-	36	-	-	-	1996
-	-	-	14	-	-	-	1997
-	-	-	37	-	-	-	1998
-	-	-	72	-	-	-	1999
-	-	-	144	-	-	-	2000
-	-	-	90	-	-	6	2001
-	-	-	80	-	-	9	2002
-	-	-	82	-	-	13	2003
-	-	-	83	-	-	11	2004
-	-	-	51	-	-	-	2005
-	2	-	36	-	-	12	2006
-	2	-	53	-	-	7	2007
-	3	-	40	-	-	9	2008
-	17	-	32	-	-	3	2009
-	29	-	33	-	-	4	2010
-	19	-	25	-	-	1	2011
-	9	-	28	-	-	0	2012
-	1	-	32	-	-	0	2013
-	1	-	26	-	-	0	2014
-	2	-	53	-	-	0	2015
-	2	-	59	-	-	-	2016
-	3	-	80	-	-	-	2017
-	2	-	74	-	24	-	2018
-	3	-	83	-	-	-	2019
-	3	-	84	-	-	-	2020
-	2	-	88	-	-	-	2021
-	-	-	0	-	-	-	Food and tobacco
-	-	-	-	-	-	-	Textile and leather
-	-	-	-	-	-	-	Wood and wood products
-	-	-	-	-	-	-	Paper, pulp and print
-	1	-	-	-	-	-	Chemical and petrochemical
-	-	-	-	-	-	-	Non-metallic minerals
-	-	-	-	-	-	-	Iron and steel
-	-	-	-	-	-	-	Non-ferrous metals
-	-	-	6	-	-	-	Fabricated metal
-	1	-	81	-	-	-	Other manufacturing
-	-	-	-	-	-	-	Other energy

1. Sum of propane and butane

2. Includes refinery gas, paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 4-6. 대전광역시

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	1,331	1	27	146	-	-	1,151
1997	1,174	-	18	133	-	1	1,010
1998	833	-	12	51	-	-	753
1999	925	2	27	50	-	-	799
2000	883	1	25	76	-	-	715
2001	572	-	23	46	-	-	476
2002	579	-	27	28	-	-	477
2003	554	4	26	26	-	-	420
2004	546	2	22	17	-	-	415
2005	685	4	22	16	-	-	428
2006	704	2	20	17	-	-	361
2007	610	3	18	24	-	-	335
2008	525	3	17	20	-	-	305
2009	406	2	23	27	0	0	129
2010	372	1	28	26	0	-	50
2011	265	2	17	21	-	-	51
2012	200	3	17	35	0	-	35
2013	158	3	14	33	-	-	34
2014	139	2	8	21	0	-	47
2015	130	1	2	10	0	-	15
2016	128	1	2	10	-	-	9
2017	156	1	2	10	-	-	7
2018	160	1	2	6	0	0	2
2019	151	1	3	9	0	-	0
2020	162	2	5	15	0	-	0
2021	165	2	4	18	0	-	0
음식·담배	3	0	-	1	0	-	0
섬유·의복	0	0	-	0	-	-	-
목재·나무	-	-	-	-	-	-	-
펄프·인쇄	0	0	-	0	-	-	-
석유·화학	13	0	0	2	-	-	-
비금속	4	-	-	4	-	-	-
1차금속	-	-	-	-	-	-	-
비철금속	-	-	-	-	-	-	-
조립금속	9	1	2	6	-	-	-
기타제조	136	1	2	6	-	-	-
기타에너지	0	-	-	-	-	-	-

1. 프로판 + 부탄

2. 정제가스 + 파라핀왁스 + 석유코크 + 부생연료유 + 기타제품

자료: 한국석유공사 「석유류수급통계」

## 4-6. Daejeon City

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
-	-	-	6	-	-	-	1996
-	-	-	12	-	-	-	1997
-	-	-	16	-	-	-	1998
-	-	-	48	-	-	-	1999
-	-	-	65	-	-	-	2000
-	-	-	26	-	-	2	2001
-	-	-	36	-	-	10	2002
-	30	-	35	-	-	14	2003
-	51	-	33	-	-	6	2004
-	158	-	57	-	-	-	2005
-	224	-	66	-	-	14	2006
-	155	-	63	-	-	13	2007
-	100	-	65	-	-	16	2008
-	130	-	85	-	-	10	2009
-	143	-	116	-	-	8	2010
-	94	-	67	-	1	13	2011
-	13	-	84	-	0	12	2012
-	5	-	56	-	0	13	2013
-	7	-	42	-	-	13	2014
-	10	-	80	-	-	12	2015
-	12	-	90	-	-	4	2016
-	12	-	118	-	-	6	2017
-	12	-	109	-	24	4	2018
-	12	-	123	-	-	3	2019
-	15	-	122	-	-	2	2020
-	12	0	126	-	-	2	2021
-	-	-	1	-	-	-	Food and tobacco
-	-	-	-	-	-	0	Textile and leather
-	-	-	-	-	-	-	Wood and wood products
-	0	-	-	-	-	-	Paper, pulp and print
-	10	-	0	-	-	-	Chemical and petrochemical
-	0	-	-	-	-	-	Non-metallic minerals
-	-	-	-	-	-	-	Iron and steel
-	-	-	-	-	-	-	Non-ferrous metals
-	0	-	0	-	-	-	Fabricated metal
-	1	-	124	-	-	2	Other manufacturing
-	-	0	-	-	-	-	Other energy

1. Sum of propane and butane

2. Includes refinery gas, paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 4-7. 울산광역시

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-
1998	82,664	3	5,272	203	17	-	4,062
1999	89,493	82	342	367	165	19	8,433
2000	92,019	99	193	273	150	24	8,397
2001	86,372	97	124	305	74	16	6,629
2002	93,910	110	113	292	78	24	7,130
2003	95,067	109	95	269	82	40	6,721
2004	102,493	109	69	247	82	4	6,123
2005	103,868	105	56	236	91	-	5,489
2006	114,538	62	42	159	22	1	5,527
2007	117,727	47	36	293	73	3	5,235
2008	104,796	46	38	337	129	4	4,905
2009	101,380	56	35	204	67	8	4,559
2010	105,162	46	24	213	45	8	4,518
2011	132,019	49	28	418	114	8	3,551
2012	139,218	38	50	508	172	2	2,608
2013	138,683	34	57	664	87	2	1,560
2014	138,708	29	84	885	83	1	1,982
2015	134,016	34	65	713	74	1	2,168
2016	158,599	37	56	768	66	4	2,365
2017	164,092	36	8	500	58	1	2,108
2018	169,512	36	6	485	53	-	1,682
2019	162,972	51	9	366	75	-	1,467
2020	162,210	57	12	318	81	-	1,286
2021	163,581	47	11	875	89	0	1,464
음식·담배	3	-	0	1	-	-	1
섬유·의복	0	0	0	0	-	-	-
목재·나무	1	-	0	1	-	-	-
펄프·인쇄	1	0	0	1	-	-	-
석유·화학	157,767	0	2	7	-	-	1,201
비금속	15	-	0	15	-	-	1
1차금속	0	-	-	-	-	-	-
비철금속	225	-	-	21	-	-	116
조립금속	602	46	1	240	89	0	144
기타제조	758	0	6	17	-	-	-
기타에너지	4,208	-	2	571	-	-	1

1. 프로판 + 부탄

2. 정제가스 + 파라핀왁스 + 석유코크 + 부생연료유 + 기타제품

자료: 한국석유공사 「석유류수급통계」

## 4-7. Ulsan City

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
-	-	-	-	-	-	-	1996
-	-	-	-	-	-	-	1997
59,572	109	-	12,914	-	-	513	1998
66,791	190	-	12,832	-	-	271	1999
69,621	220	-	11,978	-	446	617	2000
68,904	229	-	8,522	-	373	1,098	2001
72,861	534	-	10,374	-	887	1,507	2002
75,442	300	-	9,373	-	777	1,859	2003
83,477	374	-	10,425	-	-	1,583	2004
85,406	325	-	10,508	-	1	1,651	2005
95,465	162	-	11,449	-	-	1,649	2006
98,749	97	-	11,509	-	-	1,777	2007
84,629	131	-	12,678	-	-	1,898	2008
74,515	171	-	19,326	-	-	2,440	2009
78,327	67	-	19,486	-	-	2,431	2010
106,970	53	0	10,532	-	746	9,550	2011
115,963	63	-	9,747	-	788	9,278	2012
115,828	47	0	9,885	-	645	9,874	2013
115,091	65	-	9,976	-	947	9,565	2014
112,044	92	0	12,725	-	900	5,199	2015
122,787	107	0	25,113	-	813	6,482	2016
126,823	115	-	29,014	-	858	4,570	2017
131,283	106	-	28,946	-	850	6,065	2018
121,432	115	0	31,458	-	1,117	6,883	2019
117,336	142	0	28,630	-	1,505	12,843	2020
110,436	103	-	29,564	-	2,772	18,222	2021
-	-	-	1	-	-	-	Food and tobacco
-	0	-	-	-	-	-	Textile and leather
-	0	-	-	-	-	-	Wood and wood products
-	-	-	-	-	-	-	Paper, pulp and print
110,436	45	-	28,933	-	-	17,142	Chemical and petrochemical
-	-	-	-	-	-	-	Non-metallic minerals
-	-	-	0	-	-	-	Iron and steel
-	-	-	87	-	-	-	Non-ferrous metals
-	0	-	82	-	-	-	Fabricated metal
-	33	-	395	-	-	307	Other manufacturing
-	25	-	65	-	2,772	773	Other energy

1. Sum of propane and butane

2. Includes refinery gas, paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 4-8. 세종특별자치시

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-
1998	-	-	-	-	-	-	-
1999	-	-	-	-	-	-	-
2000	-	-	-	-	-	-	-
2001	-	-	-	-	-	-	-
2002	-	-	-	-	-	-	-
2003	-	-	-	-	-	-	-
2004	-	-	-	-	-	-	-
2005	-	-	-	-	-	-	-
2006	-	-	-	-	-	-	-
2007	-	-	-	-	-	-	-
2008	-	-	-	-	-	-	-
2009	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-
2011	-	-	-	-	-	-	-
2012	-	-	-	-	-	-	-
2013	-	-	-	-	-	-	-
2014	76	0	3	9	0	0	29
2015	80	-	0	9	-	-	30
2016	87	0	1	10	-	-	29
2017	83	-	1	15	-	-	20
2018	119	0	1	20	-	-	27
2019	99	-	1	19	-	-	34
2020	88	-	2	14	-	-	26
2021	102	-	1	15	0	-	6
음식·담배	1	-	-	-	-	-	-
섬유·의복	-	-	-	-	-	-	-
목재·나무	-	-	-	-	-	-	-
펄프·인쇄	5	-	-	-	-	-	-
석유·화학	11	-	0	-	0	-	4
비금속	47	-	-	9	-	-	1
1차금속	-	-	-	-	-	-	-
비철금속	8	-	-	-	-	-	-
조립금속	10	-	0	-	-	-	-
기타제조	21	-	1	6	-	-	-
기타에너지	-	-	-	-	-	-	-

1. 프로판 + 부탄

2. 정제가스 + 파라핀왁스 + 석유코크 + 부생연료유 + 기타제품

자료: 한국석유공사 「석유류수급통계」



## 4-8. Sejong City

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
-	-	-	-	-	-	-	1996
-	-	-	-	-	-	-	1997
-	-	-	-	-	-	-	1998
-	-	-	-	-	-	-	1999
-	-	-	-	-	-	-	2000
-	-	-	-	-	-	-	2001
-	-	-	-	-	-	-	2002
-	-	-	-	-	-	-	2003
-	-	-	-	-	-	-	2004
-	-	-	-	-	-	-	2005
-	-	-	-	-	-	-	2006
-	-	-	-	-	-	-	2007
-	-	-	-	-	-	-	2008
-	-	-	-	-	-	-	2009
-	-	-	-	-	-	-	2010
-	-	-	-	-	-	-	2011
-	-	-	-	-	-	-	2012
-	-	-	-	-	-	-	2013
-	4	-	31	-	-	1	2014
-	4	-	35	-	-	1	2015
-	5	-	40	-	-	1	2016
-	6	-	36	-	-	5	2017
-	5	-	36	-	24	5	2018
-	6	-	37	-	-	2	2019
-	7	-	35	-	-	3	2020
-	5	-	72	-	-	3	2021
-	-	-	1	-	-	-	Food and tobacco
-	-	-	-	-	-	-	Textile and leather
-	-	-	-	-	-	-	Wood and wood products
-	0	-	5	-	-	-	Paper, pulp and print
-	5	-	1	-	-	0	Chemical and petrochemical
-	-	-	37	-	-	-	Non-metallic minerals
-	-	-	-	-	-	-	Iron and steel
-	-	-	8	-	-	-	Non-ferrous metals
-	-	-	10	-	-	-	Fabricated metal
-	-	-	12	-	-	3	Other manufacturing
-	-	-	-	-	-	-	Other energy

1. Sum of propane and butane

2. Includes refinery gas, paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 4-9. 경기도

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	17,875	71	1,144	3,368	152	116	11,858
1997	16,890	80	952	3,058	142	107	11,320
1998	14,325	367	1,226	1,976	105	82	9,473
1999	13,768	68	1,291	1,042	155	151	10,060
2000	12,319	100	1,421	1,073	166	136	8,278
2001	9,971	74	209	282	193	154	7,954
2002	11,106	76	292	364	204	145	8,653
2003	10,360	81	274	336	100	149	7,560
2004	10,783	111	822	639	71	157	7,052
2005	10,484	114	860	673	72	171	6,463
2006	10,132	104	728	734	77	146	5,575
2007	9,650	90	621	655	50	124	5,123
2008	8,282	88	639	702	25	89	3,966
2009	7,673	87	606	657	24	51	3,519
2010	7,879	109	644	616	23	41	3,016
2011	7,162	124	603	673	20	37	2,641
2012	5,974	132	497	745	32	25	1,489
2013	5,059	152	437	788	8	14	801
2014	4,873	119	213	799	5	12	652
2015	6,175	110	97	739	7	8	1,293
2016	7,008	91	98	794	9	7	1,584
2017	7,162	82	88	921	11	15	1,294
2018	7,430	77	97	750	10	29	1,468
2019	6,942	105	121	779	9	7	1,128
2020	7,112	117	191	784	18	6	1,058
2021	6,765	89	174	795	12	8	898
음식·담배	71	0	6	7	2	-	9
섬유·의복	82	0	13	12	1	7	24
목재·나무	9	0	2	7	-	-	-
펄프·인쇄	104	0	4	13	-	-	4
석유·화학	526	0	11	9	0	1	17
비금속	1,164	4	1	278	4	-	834
1차금속	3	-	-	3	0	0	-
비철금속	26	-	-	-	-	-	0
조립금속	233	78	16	92	-	0	0
기타제조	4,036	6	122	373	5	1	9
기타에너지	511	-	-	0	-	-	0

1. 프로판 + 부탄

2. 정제가스 + 파라핀왁스 + 석유코크 + 부생연료유 + 기타제품

자료: 한국석유공사 「석유류수급통계」

## 4-9. Gyeonggi-do

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
18	97	-	1,052	-	-	-	1996
14	167	-	1,052	-	-	-	1997
2	191	-	904	-	-	-	1998
-	240	-	761	-	-	-	1999
-	217	-	929	-	-	-	2000
-	176	-	850	-	-	80	2001
1	168	-	906	-	-	296	2002
7	765	-	794	-	3	291	2003
14	863	-	736	-	4	313	2004
15	924	-	1,067	-	3	122	2005
4	803	-	1,502	-	-	459	2006
-	738	-	1,757	-	-	491	2007
-	682	-	1,639	-	-	452	2008
-	815	-	1,518	-	-	396	2009
-	1,012	-	2,152	-	-	266	2010
-	692	0	1,918	-	152	301	2011
-	396	-	2,236	-	180	241	2012
-	228	-	2,177	-	222	232	2013
-	310	-	2,163	-	364	235	2014
-	433	-	2,913	-	373	202	2015
-	507	-	3,397	-	325	196	2016
-	541	-	3,721	-	254	234	2017
-	502	-	3,972	-	277	249	2018
-	537	-	3,779	-	245	233	2019
-	669	-	3,754	-	282	233	2020
-	494	-	3,817	-	255	223	2021
-	-	-	28	-	-	20	Food and tobacco
-	1	-	16	-	-	7	Textile and leather
-	0	-	-	-	-	-	Wood and wood products
-	32	-	38	-	-	12	Paper, pulp and print
-	375	-	99	-	-	14	Chemical and petrochemical
-	0	-	42	-	-	1	Non-metallic minerals
-	-	-	-	-	-	-	Iron and steel
-	-	-	23	-	-	3	Non-ferrous metals
-	2	-	42	-	-	4	Fabricated metal
-	52	-	3,345	-	-	124	Other manufacturing
-	32	-	184	-	255	39	Other energy

1. Sum of propane and butane

2. Includes refinery gas, paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 4-10. 강원도

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	1,663	2	35	291	7	-	1,260
1997	1,587	1	27	289	3	-	946
1998	1,599	32	48	271	5	-	563
1999	1,722	1	72	294	9	-	668
2000	1,843	2	104	244	12	-	760
2001	1,779	2	73	316	13	-	736
2002	1,684	2	75	202	16	-	696
2003	1,396	1	57	161	2	-	675
2004	1,520	1	48	156	2	-	658
2005	1,430	2	44	131	2	-	600
2006	1,310	1	42	138	1	-	529
2007	1,239	1	29	116	-	-	502
2008	1,120	1	34	132	-	1	436
2009	1,030	2	40	135	0	1	379
2010	1,168	2	42	117	0	1	336
2011	729	2	31	120	-	1	250
2012	616	2	27	121	0	0	180
2013	558	2	23	109	-	0	159
2014	559	1	11	120	0	-	120
2015	480	1	1	127	1	0	105
2016	566	0	2	128	1	3	149
2017	521	0	3	147	0	3	136
2018	671	0	3	168	0	2	83
2019	1,416	0	7	165	1	1	51
2020	1,151	1	17	159	7	0	34
2021	1,104	1	15	165	3	0	21
음식·담배	25	-	3	-	0	0	1
섬유·의복	-	-	-	-	-	-	-
목재·나무	1	0	0	0	-	-	-
펄프·인쇄	2	0	0	-	2	-	-
석유·화학	15	-	3	-	-	-	1
비금속	852	-	1	130	0	-	15
1차금속	3	-	-	2	1	-	-
비철금속	-	-	-	-	-	-	-
조립금속	4	0	2	0	-	-	-
기타제조	118	1	8	33	-	-	2
기타에너지	84	-	-	-	-	-	1

1. 프로판 + 부탄

2. 정제가스 + 파라핀왁스 + 석유코크 + 부생연료유 + 기타제품

자료: 한국석유공사 「석유류수급통계」

## 4-10. Gangwon-do

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
-	-	-	70	-	-	-	1996
-	-	-	71	-	-	249	1997
-	-	-	173	-	-	508	1998
-	-	-	186	-	-	490	1999
-	-	-	209	-	-	510	2000
-	-	-	169	-	-	470	2001
-	-	-	229	-	-	464	2002
-	1	-	156	-	-	341	2003
-	103	-	141	-	-	411	2004
-	82	-	97	-	-	471	2005
-	-	-	103	-	-	495	2006
-	1	-	106	-	-	484	2007
-	2	-	70	-	-	445	2008
-	1	-	35	-	-	438	2009
-	0	-	33	-	-	636	2010
-	1	-	54	-	-	270	2011
-	3	-	71	-	-	211	2012
-	31	-	95	-	0	140	2013
-	42	-	104	-	-	161	2014
-	61	-	79	-	-	106	2015
-	68	-	89	-	-	127	2016
-	71	-	86	-	5	69	2017
-	69	-	82	-	31	232	2018
-	74	-	89	-	6	1,021	2019
-	90	-	89	-	11	744	2020
-	67	-	92	-	18	721	2021
-	-	-	20	-	-	1	Food and tobacco
-	-	-	-	-	-	-	Textile and leather
-	-	-	-	-	-	-	Wood and wood products
-	-	-	-	-	-	-	Paper, pulp and print
-	2	-	9	-	-	-	Chemical and petrochemical
-	-	-	2	-	-	705	Non-metallic minerals
-	-	-	-	-	-	-	Iron and steel
-	-	-	-	-	-	-	Non-ferrous metals
-	0	-	3	-	-	-	Fabricated metal
-	0	-	59	-	-	16	Other manufacturing
-	64	-	-	-	18	-	Other energy

1. Sum of propane and butane

2. Includes refinery gas, paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 4-11. 충청북도

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	3,813	8	132	692	5	16	2,612
1997	4,041	7	108	645	-	6	2,673
1998	2,736	25	129	337	-	-	1,878
1999	3,217	9	260	235	-	4	2,189
2000	3,490	9	280	262	-	18	2,376
2001	3,136	8	198	247	3	12	2,066
2002	2,912	3	147	147	12	9	2,116
2003	2,751	4	159	166	21	11	1,949
2004	2,323	3	36	100	15	12	1,677
2005	2,146	3	45	84	7	15	1,526
2006	2,703	1	54	81	8	11	1,479
2007	2,376	2	67	103	1	7	1,329
2008	2,233	3	106	106	1	4	1,217
2009	2,072	2	135	123	0	5	979
2010	2,175	2	191	141	3	11	805
2011	1,724	4	111	137	4	13	501
2012	1,252	3	81	171	10	10	307
2013	931	3	71	179	6	7	213
2014	748	2	35	173	5	1	105
2015	766	1	9	191	6	1	80
2016	776	1	10	162	4	0	65
2017	873	5	8	175	6	0	94
2018	899	10	8	198	6	-	74
2019	1,057	1	21	175	6	-	40
2020	1,011	3	47	187	9	-	18
2021	1,004	3	47	180	5	0	11
음식·담배	28	0	5	1	-	-	-
섬유·의복	2	0	0	1	-	-	0
목재·나무	5	0	0	2	-	-	-
펄프·인쇄	7	-	1	6	-	-	-
석유·화학	109	0	2	2	3	-	0
비금속	270	-	0	71	2	0	8
1차금속	0	-	0	-	-	-	-
비철금속	-	-	-	-	-	-	-
조립금속	56	0	6	9	-	-	-
기타제조	499	2	33	85	-	-	2
기타에너지	28	-	0	2	-	-	0

1. 프로판 + 부탄

2. 정제가스 + 파라핀왁스 + 석유코크 + 부생연료유 + 기타제품

자료: 한국석유공사 「석유류수급통계」

## 4-11. Chungcheongbuk-do

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
-	-	-	348	-	-	-	1996
-	-	-	414	-	-	188	1997
-	6	-	312	-	-	49	1998
-	-	-	519	-	-	-	1999
-	-	-	543	-	-	-	2000
-	-	-	561	-	-	41	2001
-	-	-	395	-	-	83	2002
-	-	-	351	-	-	91	2003
-	76	-	321	-	-	82	2004
-	107	-	359	-	-	-	2005
-	489	-	416	-	-	164	2006
-	258	-	420	-	-	190	2007
-	227	-	403	-	-	169	2008
-	215	-	469	-	-	144	2009
-	289	-	598	-	-	133	2010
-	199	-	597	-	15	145	2011
-	83	-	465	-	17	105	2012
-	26	-	332	-	13	81	2013
-	36	-	287	-	-	105	2014
-	51	-	325	-	-	102	2015
-	59	-	358	-	-	117	2016
-	63	-	401	-	-	121	2017
-	58	-	345	-	24	176	2018
-	62	-	376	-	-	377	2019
-	78	-	371	-	1	298	2020
-	57	-	382	-	26	292	2021
-	-	-	20	-	-	2	Food and tobacco
-	-	-	-	-	-	1	Textile and leather
-	-	-	3	-	-	-	Wood and wood products
-	0	-	-	-	-	-	Paper, pulp and print
-	51	-	39	-	-	12	Chemical and petrochemical
-	0	-	24	-	-	164	Non-metallic minerals
-	-	-	-	-	-	-	Iron and steel
-	-	-	-	-	-	-	Non-ferrous metals
-	0	-	36	-	-	4	Fabricated metal
-	6	-	260	-	-	110	Other manufacturing
-	-	-	-	-	26	-	Other energy

1. Sum of propane and butane

2. Includes refinery gas, paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 4-12. 충청남도

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	31,584	5	103	580	12	17	6,911
1997	37,749	27	98	679	11	17	7,802
1998	60,163	22	113	356	11	10	8,452
1999	63,670	40	202	250	30	14	9,256
2000	66,060	35	246	335	20	15	7,431
2001	65,988	36	187	246	9	12	6,393
2002	70,791	36	162	141	34	6	6,532
2003	70,149	38	160	147	33	7	5,541
2004	69,562	47	140	117	18	7	4,178
2005	72,113	51	143	380	15	6	3,539
2006	77,984	44	123	217	16	5	3,080
2007	91,798	44	109	157	15	4	2,759
2008	101,855	37	143	153	13	4	2,216
2009	2,072	2	135	123	-	5	979
2010	107,079	40	274	132	13	3	2,110
2011	106,867	54	167	161	26	2	1,830
2012	118,058	51	119	163	20	3	747
2013	119,152	36	91	176	15	1	577
2014	132,820	43	55	173	6	1	283
2015	135,063	43	22	174	4	2	285
2016	162,314	77	14	161	5	3	293
2017	159,396	38	13	160	12	2	212
2018	167,237	37	14	166	3	2	123
2019	169,298	46	22	190	95	1	102
2020	174,259	45	42	222	64	3	56
2021	169,474	30	50	199	10	1	86
음식·담배	46	0	2	0	0	-	1
섬유·의복	17	0	5	0	-	-	-
목재·나무	0	0	0	0	-	-	-
펄프·인쇄	5	-	0	3	-	-	-
석유·화학	165,247	0	3	6	2	1	46
비금속	162	-	0	53	9	0	29
1차금속	180	-	-	3	-	-	0
비철금속	1	-	-	-	-	-	-
조립금속	81	17	4	12	-	-	-
기타제조	1,309	13	22	115	-	-	10
기타에너지	2,426	-	13	6	-	-	1

1. 프로판 + 부탄

2. 정제가스 + 파라핀왁스 + 석유코크 + 부생연료유 + 기타제품

자료: 한국석유공사 「석유류수급통계」



## 4-12. Chungcheongnam-do

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
22,901	-	-	1,055	-	-	-	1996
27,656	-	-	1,201	-	-	257	1997
49,813	-	-	874	-	-	514	1998
52,074	-	-	1,472	-	-	331	1999
56,256	-	-	1,475	-	-	247	2000
57,604	6	-	1,216	-	-	280	2001
62,219	15	-	1,292	-	-	352	2002
62,656	21	-	1,267	-	1	279	2003
63,434	231	-	1,075	-	1	314	2004
65,870	542	-	1,310	-	1	255	2005
71,998	682	-	1,441	-	-	378	2006
85,761	451	-	2,112	-	-	385	2007
94,058	264	-	4,592	-	-	375	2008
-	215	-	4,207	-	-	144	2009
100,143	405	-	3,335	-	-	625	2010
98,309	283	-	5,437	-	31	566	2011
110,824	69	-	5,239	-	32	792	2012
109,827	28	-	7,506	-	34	860	2013
124,561	34	-	6,774	-	37	855	2014
130,036	46	-	3,582	-	36	834	2015
153,047	55	-	7,855	-	39	764	2016
153,232	60	-	4,694	-	56	917	2017
156,688	55	-	9,026	-	72	1,052	2018
153,361	58	-	14,484	-	53	885	2019
149,886	72	-	22,842	-	78	949	2020
141,098	54	-	23,841	-	2,335	1,769	2021
-	-	-	37	-	-	6	Food and tobacco
-	0	-	12	-	-	0	Textile and leather
-	-	-	-	-	-	-	Wood and wood products
-	1	-	-	-	-	-	Paper, pulp and print
141,098	39	-	22,369	-	-	1,683	Chemical and petrochemical
-	-	-	36	-	-	34	Non-metallic minerals
-	0	-	177	-	-	0	Iron and steel
-	-	-	1	-	-	-	Non-ferrous metals
-	0	-	46	-	-	1	Fabricated metal
-	13	-	1,092	-	-	45	Other manufacturing
-	0	-	72	-	2,335	-	Other energy

1. Sum of propane and butane

2. Includes refinery gas, paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 4-13. 전라북도

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	6,872	5	56	506	-	-	6,110
1997	5,927	22	51	491	-	-	5,136
1998	4,333	15	56	254	-	-	3,852
1999	4,886	18	95	257	-	-	4,296
2000	5,309	14	74	145	-	-	4,822
2001	5,646	12	37	200	5	-	5,085
2002	5,490	4	35	195	26	3	5,017
2003	5,595	9	24	154	2	1	5,088
2004	5,417	19	40	168	15	-	4,719
2005	5,554	74	184	231	1	2	4,657
2006	5,180	23	78	188	1	2	4,266
2007	4,362	23	58	214	2	-	3,545
2008	2,936	21	46	186	1	-	2,435
2009	2,417	14	48	174	1	0	1,910
2010	2,271	22	51	203	3	0	1,673
2011	1,953	20	43	189	3	-	1,383
2012	1,293	4	30	179	1	-	751
2013	1,281	2	29	192	-	-	685
2014	1,109	2	15	195	15	1	483
2015	1,099	1	10	179	1	0	484
2016	1,239	1	28	179	1	0	431
2017	1,252	1	9	185	-	0	368
2018	1,463	2	17	172	0	-	589
2019	1,574	3	14	171	1	1	517
2020	1,592	1	22	146	2	0	459
2021	1,458	1	22	163	2	-	293
음식·담배	45	0	5	5	-	-	1
섬유·의복	3	0	2	0	-	-	1
목재·나무	4	0	1	2	-	-	-
펄프·인쇄	8	0	0	7	-	-	-
석유·화학	417	0	1	1	-	-	1
비금속	344	0	0	56	1	-	281
1차금속	300	-	-	-	-	-	-
비철금속	-	-	-	-	-	-	-
조립금속	107	0	2	42	-	-	-
기타제조	197	1	10	48	2	-	7
기타에너지	35	-	0	0	-	-	3

1. 프로판 + 부탄

2. 정제가스 + 파라핀왁스 + 석유코크 + 부생연료유 + 기타제품

자료: 한국석유공사 「석유류수급통계」

## 4-13. Jeollabuk-do

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
	6	-	169	-	-	-	1996
29	5	-	192	-	-	-	1997
17	5	-	135	-	-	-	1998
17	6	-	196	-	-	-	1999
18	3	-	233	-	-	-	2000
15	1	-	278	-	-	11	2001
-	1	-	187	-	-	24	2002
35	90	-	168	-	-	26	2003
255	4	-	164	-	-	34	2004
282	19	-	104	-	-	1	2005
252	198	-	85	-	-	87	2006
272	107	-	104	-	-	37	2007
-	112	-	97	-	-	40	2008
-	123	-	109	-	-	39	2009
-	156	-	123	-	-	39	2010
-	106	-	177	-	0	33	2011
141	35	-	129	-	0	23	2012
212	45	-	101	-	0	14	2013
211	59	-	118	-	-	11	2014
175	79	-	160	-	-	8	2015
244	95	-	228	-	-	32	2016
300	104	-	254	-	-	30	2017
297	96	-	244	-	24	21	2018
271	102	-	469	-	-	25	2019
302	126	-	509	-	-	24	2020
320	95	-	545	-	-	17	2021
-	-	-	31	-	-	2	Food and tobacco
-	0	-	-	-	-	1	Textile and leather
-	-	-	-	-	-	-	Wood and wood products
-	-	-	-	-	-	-	Paper, pulp and print
320	93	-	-	-	-	0	Chemical and petrochemical
-	-	-	3	-	-	3	Non-metallic minerals
-	-	-	300	-	-	-	Iron and steel
-	-	-	-	-	-	-	Non-ferrous metals
-	1	-	62	-	-	-	Fabricated metal
-	0	-	118	-	-	11	Other manufacturing
-	0	-	31	-	-	0	Other energy

1. Sum of propane and butane

2. Includes refinery gas, paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 4-14. 전라남도

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	77,686	18	38	578	22	7	7,161
1997	98,950	2	42	516	4	4	5,117
1998	100,823	2	47	253	2	2	3,329
1999	101,237	3	105	429	2	5	5,985
2000	105,730	8	136	333	2	3	4,833
2001	103,446	40	140	466	4	4	4,042
2002	109,006	1	94	226	35	4	3,198
2003	111,884	4	76	242	34	1	3,424
2004	113,975	5	67	246	8	5	3,141
2005	118,211	5	65	396	17	3	3,394
2006	118,527	6	49	369	20	5	3,414
2007	129,253	3	45	401	18	7	3,025
2008	135,483	6	91	456	20	5	2,955
2009	108,265	40	165	115	11	3	1,992
2010	147,553	5	70	271	17	9	2,368
2011	148,721	5	60	309	13	15	2,121
2012	152,493	6	41	325	5	7	2,192
2013	160,366	15	31	316	4	6	1,415
2014	156,870	65	21	294	3	11	1,495
2015	162,501	95	22	267	5	42	1,426
2016	150,919	119	24	209	4	39	1,236
2017	167,794	189	28	176	0	25	834
2018	153,559	165	24	248	2	10	1,026
2019	160,211	102	28	262	10	8	437
2020	132,527	2	31	321	45	12	189
2021	193,964	2	29	315	36	13	211
음식·담배	26	0	2	1	-	-	3
섬유·의복	11	-	0	0	-	-	6
목재·나무	2	0	0	1	-	-	-
펄프·인쇄	1	-	0	1	-	-	-
석유·화학	193,069	-	4	9	6	12	58
비금속	132	-	1	82	-	-	39
1차금속	1	-	-	0	-	-	-
비철금속	3	-	-	-	-	-	-
조립금속	286	0	1	129	29	0	89
기타제조	240	2	21	90	0	1	5
기타에너지	193	-	0	0	-	-	10

1. 프로판 + 부탄

2. 정제가스 + 파라핀왁스 + 석유코크 + 부생연료유 + 기타제품

자료: 한국석유공사 「석유류수급통계」

## 4-14. Jeollanam-do

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
69,630	16	-	215	-	-	-	1996
91,359	9	-	268	-	-	1,629	1997
94,921	4	-	344	-	-	1,917	1998
92,294	10	-	456	-	-	1,948	1999
97,846	6	-	323	-	-	2,242	2000
95,456	99	-	648	-	-	2,547	2001
100,729	238	-	970	-	-	3,510	2002
103,263	203	-	974	-	-	3,663	2003
104,755	452	-	1,591	-	-	3,706	2004
109,511	398	-	1,703	-	-	2,719	2005
107,751	60	-	3,331	-	-	3,521	2006
119,423	240	-	3,237	-	-	2,853	2007
123,865	263	-	5,033	-	-	2,790	2008
101,157	271	-	4,872	-	-	303	2009
139,417	65	-	2,432	-	-	2,899	2010
138,217	44	-	4,994	-	-	2,944	2011
143,363	25	-	3,688	-	-	2,841	2012
146,338	2	-	6,300	-	-	5,939	2013
139,637	3	-	8,291	-	-	7,052	2014
146,541	4	0	6,884	-	-	7,216	2015
131,735	4	-	9,454	-	10	8,084	2016
151,854	5	-	6,106	-	33	8,545	2017
135,933	4	-	7,920	-	70	8,157	2018
138,101	4	-	13,026	-	62	8,170	2019
111,849	6	-	11,330	-	49	8,694	2020
174,845	4	-	9,759	-	163	8,586	2021
-	-	-	17	-	-	3	Food and tobacco
-	0	-	5	-	-	-	Textile and leather
-	-	-	-	-	-	-	Wood and wood products
-	-	-	-	-	-	-	Paper, pulp and print
174,845	3	-	9,569	-	-	8,563	Chemical and petrochemical
-	0	-	7	-	-	2	Non-metallic minerals
-	-	-	-	-	-	1	Iron and steel
-	-	-	3	-	-	-	Non-ferrous metals
-	-	-	36	-	-	-	Fabricated metal
-	1	-	104	-	-	18	Other manufacturing
-	0	-	18	-	163	1	Other energy

1. Sum of propane and butane

2. Includes refinery gas, paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 4-15. 경상북도

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	9,134	4	244	909	70	43	7,009
1997	8,103	6	218	882	82	43	5,916
1998	6,842	6	269	486	66	50	5,222
1999	8,146	27	486	423	106	68	6,135
2000	7,892	10	468	301	163	57	5,926
2001	7,588	11	356	450	160	71	5,763
2002	7,404	11	311	280	204	87	5,746
2003	6,844	13	252	239	137	127	5,592
2004	6,691	14	174	155	154	119	5,636
2005	6,384	12	147	170	139	114	5,431
2006	6,270	10	142	224	40	132	4,593
2007	5,818	12	128	209	17	124	4,326
2008	4,939	14	180	198	11	84	3,568
2009	3,930	13	211	194	2	53	2,672
2010	4,333	13	334	187	1	40	2,481
2011	3,645	12	256	222	3	42	1,948
2012	2,537	10	201	209	12	33	1,297
2013	2,028	11	165	240	1	35	958
2014	1,667	7	74	252	38	26	682
2015	1,690	3	11	216	1	26	711
2016	1,727	2	24	197	2	24	648
2017	2,092	4	11	210	14	16	458
2018	1,676	9	11	223	2	19	392
2019	1,711	1	26	208	10	11	276
2020	1,622	2	55	219	8	6	144
2021	1,497	3	54	213	3	6	110
음식·담배	26	0	3	1	0	1	3
섬유·의복	19	0	6	2	0	0	3
목재·나무	6	0	2	4	-	-	-
펄프·인쇄	16	0	1	1	-	0	12
석유·화학	252	0	2	3	0	2	2
비금속	161	-	0	64	2	2	70
1차금속	156	-	-	0	-	0	-
비철금속	9	-	-	-	-	-	6
조립금속	90	0	6	69	0	0	-
기타제조	737	2	33	67	0	1	14
기타에너지	27	-	-	0	-	-	0

1. 프로판 + 부탄

2. 정제가스 + 파라핀왁스 + 석유코크 + 부생연료유 + 기타제품

자료: 한국석유공사 「석유류수급통계」

## 4-15. Gyeongsangbuk-do

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
-	-	-	856	-	-	-	1996
-	-	-	939	-	18	-	1997
-	-	-	743	-	-	-	1998
-	-	-	903	-	-	-	1999
-	-	-	966	-	-	-	2000
-	-	-	760	-	-	18	2001
-	-	-	714	-	-	50	2002
-	3	-	417	-	-	64	2003
-	1	-	365	-	-	73	2004
-	5	-	362	-	-	3	2005
22	554	-	424	-	-	128	2006
31	352	-	531	-	-	88	2007
-	336	-	475	-	-	74	2008
-	238	-	476	-	-	71	2009
-	544	-	606	-	-	127	2010
-	363	-	558	-	133	108	2011
16	54	-	512	-	90	103	2012
34	21	-	353	-	99	112	2013
35	28	-	345	-	98	81	2014
34	39	-	478	-	91	80	2015
34	45	-	627	-	57	66	2016
35	49	-	1,187	-	41	67	2017
34	45	-	821	-	41	79	2018
34	48	-	1,020	-	21	56	2019
33	60	-	1,002	-	20	73	2020
35	44	0	957	-	23	48	2021
-	-	-	15	-	-	2	Food and tobacco
-	1	-	4	-	-	1	Textile and leather
-	-	-	-	-	-	0	Wood and wood products
-	1	-	-	-	-	-	Paper, pulp and print
35	34	-	167	-	-	6	Chemical and petrochemical
-	-	-	23	-	-	0	Non-metallic minerals
-	-	-	155	-	-	0	Iron and steel
-	1	-	-	-	-	1	Non-ferrous metals
-	1	-	14	-	-	0	Fabricated metal
-	6	-	576	-	-	36	Other manufacturing
-	0	0	3	-	23	1	Other energy

1. Sum of propane and butane

2. Includes refinery gas, paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 4-16. 경상남도

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	69,219	141	1,739	2,675	477	243	16,750
1997	104,566	113	8,382	2,447	260	183	14,354
1998	11,645	84	364	1,056	204	145	7,844
1999	7,450	41	613	649	228	115	4,844
2000	5,918	29	623	637	237	123	3,192
2001	6,427	27	420	661	237	118	4,044
2002	5,407	25	335	369	281	136	3,415
2003	4,690	15	290	382	186	170	2,776
2004	4,419	25	204	297	151	198	2,706
2005	3,976	31	221	340	122	162	2,392
2006	4,312	31	219	393	133	135	2,071
2007	4,321	32	193	400	124	114	1,860
2008	4,185	34	163	453	108	92	1,572
2009	4,100	29	153	436	105	73	1,458
2010	4,283	29	224	585	123	84	1,541
2011	4,512	28	198	638	105	68	1,276
2012	3,812	15	162	581	97	39	1,106
2013	3,165	18	125	605	132	32	604
2014	3,227	15	60	769	155	31	530
2015	2,398	11	25	251	75	28	167
2016	2,780	13	29	312	88	18	263
2017	3,956	143	29	879	89	15	549
2018	3,282	13	26	446	63	12	511
2019	3,427	15	35	402	67	5	543
2020	3,322	14	54	421	39	2	467
2021	3,054	19	52	342	30	2	164
음식·담배	38	1	2	4	0	0	-
섬유·의복	5	-	1	0	0	0	-
목재·나무	2	1	0	1	-	-	-
펄프·인쇄	24	0	2	7	0	0	1
석유·화학	99	0	2	5	2	1	1
비금속	113	-	0	35	0	0	66
1차금속	20	-	1	15	-	-	0
비철금속	9	-	-	-	0	0	2
조립금속	483	5	7	163	26	0	78
기타제조	943	13	34	111	0	0	7
기타에너지	1,319	-	4	-	-	-	9

1. 프로판 + 부탄

2. 정제가스 + 파라핀왁스 + 석유코크 + 부생연료유 + 기타제품

자료: 한국석유공사 「석유류수급통계」



## 4-16. Gyeongsangnam-do

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
41,577	220	2	5,396	-	-	-	1996
65,369	272	1	10,914	-	1,456	753	1997
793	82	1	1,072	-	-	-	1998
-	41	1	918	-	-	-	1999
-	46	2	1,029	-	-	-	2000
13	44	1	824	-	-	36	2001
-	48	1	693	-	-	103	2002
-	65	1	663	-	-	143	2003
-	121	1	575	-	-	142	2004
-	133	-	556	-	-	18	2005
-	210	-	869	-	-	251	2006
-	273	1	1,047	-	-	277	2007
-	247	1	1,287	-	-	228	2008
-	228	1	1,424	-	-	194	2009
-	280	-	1,263	-	-	152	2010
-	186	0	1,246	-	615	152	2011
-	85	0	1,021	-	599	105	2012
-	48	2	880	-	588	132	2013
-	65	0	898	-	593	112	2014
-	90	2	901	-	726	122	2015
-	106	4	1,043	-	795	109	2016
-	114	2	1,128	-	934	74	2017
-	105	1	1,157	-	874	72	2018
-	113	3	1,269	-	835	140	2019
-	141	2	1,194	-	837	152	2020
-	103	3	1,204	-	938	197	2021
-	-	-	30	-	-	0	Food and tobacco
-	0	-	3	-	-	-	Textile and leather
-	0	-	-	-	-	-	Wood and wood products
-	0	-	11	-	-	2	Paper, pulp and print
-	66	-	19	-	-	2	Chemical and petrochemical
-	0	-	10	-	-	-	Non-metallic minerals
-	1	-	4	-	-	-	Iron and steel
-	0	-	7	-	-	-	Non-ferrous metals
-	3	0	199	-	-	1	Fabricated metal
-	12	2	733	-	-	31	Other manufacturing
-	21	0	187	-	938	161	Other energy

1. Sum of propane and butane

2. Includes refinery gas, paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 4-17. 제주도

단위: 1,000배럴

	합계 Total	휘발유 Gasoline	등유 Kerosene	경유 Diesel	경질중유 Bunker-A	중유 Bunker-B	중질중유 Bunker-C
1996	50	-	1	27	-	16	-
1997	50	-	-	30	-	20	-
1998	75	-	4	23	-	41	-
1999	260	-	12	20	-	49	-
2000	92	-	16	21	-	48	-
2001	132	-	17	55	-	50	-
2002	141	-	9	14	-	57	-
2003	154	-	9	17	-	63	-
2004	157	-	11	10	-	68	-
2005	125	-	11	7	-	65	-
2006	88	-	6	8	-	67	-
2007	87	-	7	5	-	65	-
2008	81	-	7	5	-	65	-
2009	77	-	6	4	-	64	-
2010	63	-	6	1	-	50	-
2011	55	0	7	3	-	42	-
2012	56	0	8	0	-	44	-
2013	46	0	7	2	1	33	-
2014	37	0	8	0	0	22	2
2015	70	0	7	1	9	15	27
2016	68	0	8	2	11	15	19
2017	47	0	7	4	3	13	6
2018	67	0	7	5	0	10	0
2019	49	0	10	8	-	11	-
2020	43	0	13	7	-	3	-
2021	44	0	12	7	-	2	-
음식·담배	12	-	11	-	-	0	-
섬유·의복	-	-	-	-	-	-	-
목재·나무	0	-	-	-	-	-	-
펄프·인쇄	4	-	-	-	-	2	-
석유·화학	0	-	-	-	-	0	-
비금속	0	-	-	0	-	-	-
1차금속	-	-	-	-	-	-	-
비철금속	-	-	-	-	-	-	-
조립금속	0	-	0	-	-	-	-
기타제조	27	0	1	6	-	-	-
기타에너지	1	-	-	1	-	-	-

1. 프로판 + 부탄

2. 정제가스 + 파라핀왁스 + 석유코크 + 부생연료유 + 기타제품

자료: 한국석유공사 「석유류수급통계」

## 4-17. Jeju-do

Unit: 1,000barrel

납사 Naphtha	용제 Solvent	항공유 Jet Oil	액화석유가스 <sup>1</sup> LPG <sup>1</sup>	아스팔트 Asphalt	윤활기유 Lubricants	기타제품 <sup>2</sup> Other Products <sup>2</sup>	
-	-	-	5	-	-	-	1996
-	-	-	-	-	-	-	1997
-	-	-	7	-	-	-	1998
-	-	-	180	-	-	-	1999
-	-	-	7	-	-	-	2000
-	-	-	10	-	-	-	2001
-	-	-	62	-	-	-	2002
-	-	-	65	-	-	-	2003
-	-	-	67	-	-	2	2004
-	-	-	41	-	-	-	2005
-	-	-	2	-	-	4	2006
-	-	-	8	-	-	3	2007
-	-	-	4	-	-	1	2008
-	-	-	3	-	-	-	2009
-	-	-	4	-	-	-	2010
-	-	-	3	-	-	-	2011
-	-	-	3	-	-	1	2012
-	-	-	3	-	-	0	2013
-	-	-	5	-	-	-	2014
-	-	-	8	-	-	1	2015
-	-	-	9	-	-	4	2016
-	-	-	7	-	-	7	2017
-	-	-	7	-	24	14	2018
-	-	-	8	-	-	12	2019
-	-	-	8	-	-	12	2020
-	-	-	8	-	-	15	2021
-	-	-	1	-	-	-	Food and tobacco
-	-	-	-	-	-	-	Textile and leather
-	-	-	-	-	-	0	Wood and wood products
-	-	-	-	-	-	2	Paper, pulp and print
-	-	-	-	-	-	-	Chemical and petrochemical
-	-	-	-	-	-	-	Non-metallic minerals
-	-	-	-	-	-	-	Iron and steel
-	-	-	-	-	-	-	Non-ferrous metals
-	-	-	-	-	-	-	Fabricated metal
-	-	-	7	-	-	13	Other manufacturing
-	-	-	-	-	-	-	Other energy

1. Sum of propane and butane

2. Includes refinery gas, paraffin waxes, petroleum coke, derived and other oil products.

Source: Korea National Oil Corporation 「OIL STATISTICS」

## 5. 석유제품 소비자 가격

단위: 원/ℓ

	지역 평균 Total Average	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
무연 휘발유									
2002	1,269	1,304	1,265	1,250	1,293	1,254	1,265	1,259	-
2003	1,295	1,341	1,291	1,275	1,318	1,285	1,299	1,292	-
2004	1,365	1,407	1,360	1,348	1,386	1,371	1,370	1,363	-
2005	1,432	1,479	1,430	1,414	1,446	1,433	1,443	1,435	-
2006	1,492	1,539	1,497	1,490	1,496	1,477	1,505	1,501	-
2007	1,526	1,582	1,532	1,524	1,535	1,517	1,525	1,533	-
2008	1,692	1,752	1,692	1,690	1,694	1,681	1,694	1,696	-
2009	1,601	1,666	1,611	1,600	1,599	1,595	1,601	1,599	-
2010	1,710	1,776	1,714	1,701	1,714	1,699	1,714	1,706	-
2011	1,929	1,996	1,932	1,919	1,938	1,910	1,934	1,923	-
2012	1,986	2,059	1,984	1,966	1,987	1,962	1,987	1,974	1,957
2013	1,924	2,003	1,914	1,897	1,923	1,902	1,925	1,908	1,934
2014	1,827	1,915	1,818	1,798	1,825	1,809	1,819	1,805	1,828
2015	1,510	1,597	1,498	1,487	1,509	1,493	1,503	1,496	1,518
2016	1,403	1,500	1,392	1,386	1,404	1,383	1,399	1,393	1,413
2017	1,491	1,590	1,481	1,469	1,493	1,474	1,487	1,481	1,505
2018	1,581	1,670	1,564	1,554	1,582	1,566	1,576	1,573	1,591
2019	1,472	1,568	1,452	1,443	1,472	1,453	1,469	1,454	1,475
2020	1,381	1,470	1,362	1,349	1,379	1,365	1,364	1,368	1,375
2021	1,592	1,668	1,576	1,567	1,591	1,578	1,585	1,577	1,591
실내 등유									
2002	554	588	567	562	567	559	556	567	-
2003	639	683	658	651	659	655	649	654	-
2004	752	806	773	760	776	750	765	768	-
2005	871	922	888	873	890	864	874	889	-
2006	932	984	946	932	952	917	929	945	-
2007	932	999	955	935	963	916	936	948	-
2008	1,239	1,292	1,250	1,239	1,259	1,231	1,250	1,254	-
2009	976	1,075	986	971	997	977	984	987	-
2010	1,076	1,187	1,086	1,073	1,105	1,072	1,081	1,088	-
2011	1,321	1,424	1,332	1,322	1,356	1,312	1,330	1,338	-
2012	1,394	1,530	1,414	1,390	1,445	1,396	1,401	1,411	1,374
2013	1,367	1,529	1,402	1,368	1,432	1,386	1,379	1,393	1,351
2014	1,297	1,478	1,347	1,306	1,374	1,346	1,314	1,335	1,267
2015	947	1,190	1,027	980	1,061	1,056	990	1,024	917
2016	784	1,038	873	820	898	874	812	861	764
2017	853	1,069	913	869	934	910	880	908	850
2018	942	1,128	984	956	1,001	977	949	976	937
2019	962	1,161	1,010	987	1,022	1,012	978	997	960
2020	854	1,094	933	914	938	954	912	918	863
2021	966	1,148	1,010	980	1,006	1,006	982	977	939
경유									
2002	678	717	686	663	695	665	661	670	-
2003	772	826	781	752	797	756	759	775	-
2004	908	957	909	885	926	902	901	911	-
2005	1,080	1,129	1,086	1,062	1,090	1,074	1,085	1,086	-
2006	1,228	1,285	1,240	1,215	1,240	1,207	1,230	1,244	-
2007	1,273	1,334	1,284	1,261	1,285	1,255	1,267	1,289	-
2008	1,614	1,670	1,620	1,612	1,613	1,601	1,613	1,622	-
2009	1,397	1,471	1,404	1,394	1,396	1,384	1,401	1,399	-
2010	1,503	1,582	1,505	1,491	1,505	1,492	1,505	1,500	-
2011	1,746	1,827	1,749	1,734	1,755	1,730	1,746	1,741	-
2012	1,806	1,891	1,808	1,788	1,801	1,785	1,807	1,801	1,772
2013	1,730	1,814	1,726	1,707	1,722	1,708	1,730	1,720	1,733
2014	1,637	1,730	1,630	1,613	1,631	1,625	1,631	1,621	1,632
2015	1,300	1,397	1,288	1,281	1,294	1,286	1,293	1,287	1,300
2016	1,183	1,285	1,172	1,166	1,181	1,164	1,181	1,174	1,192
2017	1,283	1,383	1,273	1,263	1,284	1,266	1,280	1,274	1,296
2018	1,392	1,481	1,374	1,367	1,393	1,377	1,388	1,383	1,402
2019	1,341	1,436	1,322	1,313	1,333	1,322	1,339	1,328	1,348
2020	1,190	1,287	1,170	1,158	1,187	1,172	1,174	1,176	1,188
2021	1,393	1,472	1,377	1,368	1,393	1,379	1,386	1,379	1,394

주: 부가세 포함 가격임.

자료: 한국석유공사

## 5. Retail Prices of Petroleum Products

Unit: won/ℓ

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
Gasoline									
1,281	1,285	1,250	1,254	1,242	1,243	1,249	1,259	1,307	2002
1,312	1,301	1,267	1,276	1,262	1,265	1,273	1,285	1,350	2003
1,377	1,362	1,342	1,349	1,341	1,347	1,344	1,353	1,415	2004
1,443	1,423	1,405	1,414	1,417	1,412	1,408	1,423	1,474	2005
1,501	1,481	1,465	1,474	1,474	1,471	1,477	1,485	1,515	2006
1,538	1,511	1,493	1,500	1,506	1,509	1,503	1,515	1,541	2007
1,695	1,687	1,679	1,684	1,671	1,684	1,681	1,686	1,695	2008
1,604	1,601	1,595	1,597	1,581	1,597	1,586	1,591	1,615	2009
1,714	1,714	1,705	1,707	1,695	1,698	1,699	1,704	1,734	2010
1,936	1,932	1,925	1,929	1,916	1,915	1,918	1,920	1,932	2011
1,994	1,987	1,986	1,995	1,977	1,974	1,969	1,973	1,988	2012
1,932	1,930	1,924	1,934	1,916	1,915	1,907	1,910	1,950	2013
1,834	1,833	1,827	1,836	1,817	1,822	1,810	1,817	1,835	2014
1,517	1,515	1,515	1,516	1,499	1,505	1,491	1,495	1,553	2015
1,410	1,404	1,402	1,406	1,387	1,395	1,384	1,386	1,454	2016
1,498	1,496	1,491	1,493	1,479	1,482	1,473	1,471	1,562	2017
1,590	1,589	1,586	1,584	1,569	1,575	1,567	1,558	1,626	2018
1,482	1,482	1,478	1,475	1,458	1,462	1,457	1,450	1,533	2019
1,388	1,394	1,389	1,385	1,368	1,382	1,365	1,363	1,423	2020
1,598	1,594	1,594	1,591	1,580	1,586	1,576	1,576	1,642	2021
Kerosene									
559	557	528	523	519	531	543	553	571	2002
647	632	609	604	593	612	625	639	664	2003
763	738	722	715	704	720	731	747	795	2004
882	856	848	839	836	840	850	863	902	2005
947	917	904	901	894	899	916	930	952	2006
957	910	896	889	882	893	905	927	958	2007
1,250	1,217	1,216	1,209	1,202	1,222	1,233	1,239	1,220	2008
998	948	947	942	933	950	961	971	949	2009
1,099	1,049	1,053	1,047	1,040	1,047	1,061	1,065	1,079	2010
1,343	1,300	1,305	1,298	1,292	1,293	1,311	1,308	1,324	2011
1,422	1,362	1,371	1,369	1,373	1,364	1,375	1,380	1,365	2012
1,401	1,321	1,339	1,334	1,353	1,336	1,343	1,356	1,314	2013
1,337	1,230	1,262	1,260	1,284	1,265	1,270	1,294	1,193	2014
999	864	912	894	913	901	910	937	854	2015
830	710	750	732	737	730	745	768	760	2016
888	801	822	816	811	817	823	841	858	2017
967	911	919	915	911	914	920	929	975	2018
988	927	934	930	930	933	936	955	972	2019
906	793	819	816	801	804	817	850	769	2020
981	909	918	911	907	910	920	947	978	2021
Diesel									
683	699	652	656	645	647	659	670	727	2002
786	791	740	747	735	735	749	769	846	2003
917	915	882	888	877	881	885	901	986	2004
1,085	1,081	1,052	1,059	1,055	1,051	1,058	1,076	1,142	2005
1,239	1,225	1,195	1,205	1,195	1,195	1,207	1,222	1,285	2006
1,285	1,267	1,238	1,244	1,244	1,243	1,247	1,267	1,315	2007
1,614	1,616	1,602	1,606	1,590	1,603	1,604	1,613	1,630	2008
1,400	1,403	1,390	1,391	1,376	1,389	1,383	1,392	1,418	2009
1,506	1,508	1,494	1,497	1,485	1,491	1,490	1,496	1,537	2010
1,751	1,751	1,737	1,741	1,729	1,730	1,733	1,736	1,782	2011
1,810	1,812	1,802	1,810	1,794	1,795	1,791	1,796	1,839	2012
1,732	1,739	1,726	1,736	1,718	1,720	1,714	1,720	1,770	2013
1,638	1,647	1,633	1,643	1,622	1,633	1,620	1,629	1,651	2014
1,301	1,312	1,298	1,302	1,285	1,298	1,281	1,287	1,339	2015
1,188	1,190	1,180	1,184	1,166	1,174	1,163	1,168	1,241	2016
1,288	1,290	1,280	1,283	1,267	1,274	1,265	1,264	1,350	2017
1,399	1,401	1,395	1,394	1,379	1,385	1,377	1,370	1,448	2018
1,345	1,355	1,344	1,343	1,327	1,335	1,326	1,321	1,400	2019
1,194	1,206	1,194	1,192	1,175	1,192	1,172	1,172	1,248	2020
1,398	1,397	1,394	1,391	1,380	1,387	1,376	1,377	1,441	2021

Note: Inclusion of value-added tax.  
Source: Korea National Oil Corporation

## 5. 석유제품 소비자 가격(계속)

단위: 원/ℓ

	지역 평균 Total Average	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
일반용 프로판 <sup>1</sup> (원/kg)									
2002	887	857	928	894	904	828	868	911	-
2003	980	944	1,009	979	993	841	953	1,014	-
2004	1,050	1,004	1,084	1,028	1,078	966	1,010	1,069	-
2005	1,132	1,100	1,186	1,106	1,164	1,037	1,095	1,151	-
2006	1,243	1,218	1,295	1,252	1,263	1,178	1,203	1,256	-
2007	1,331	1,291	1,413	1,341	1,329	1,262	1,286	1,379	-
2008	1,790	1,750	1,880	1,792	1,758	1,690	1,752	1,812	-
2009	1,577	1,575	1,683	1,605	1,544	1,520	1,563	1,594	-
2010	1,813	1,835	1,947	1,818	1,795	1,729	1,804	1,857	-
2011	2,034	2,065	2,171	2,027	2,014	1,968	2,039	2,066	-
2012	2,106	2,133	2,246	2,169	2,054	2,042	2,076	2,153	-
2013	2,085	2,102	2,235	2,155	2,060	1,978	2,036	2,165	2,045
2014	2,113	2,105	2,275	2,214	2,067	1,996	2,067	2,206	2,028
2015	1,801	1,786	1,961	1,880	1,737	1,748	1,734	1,905	1,697
2016	1,689	1,708	1,870	1,738	1,615	1,640	1,654	1,832	1,610
2017	1,834	1,891	2,051	1,803	1,793	1,757	1,826	2,017	1,764
2018	1,920	1,989	2,152	1,883	1,911	1,827	1,894	2,113	1,819
2019	1,870	1,917	2,092	1,838	1,840	1,811	1,839	2,055	1,743
2020	1,851	1,906	2,062	1,839	1,834	1,817	1,812	2,026	1,718
2021	1,277	1,208	1,247	1,160	1,382	1,283	1,291	1,329	1,133
일반용 부탄 <sup>1</sup> (원/kg)									
2002	1,108	833	810	927	812	904	829	833	-
2003	1,193	1,115	1,240	1,203	1,241	1,105	1,186	1,226	-
2004	1,235	1,146	1,284	1,230	1,286	1,206	1,212	1,266	-
2005	1,305	1,220	1,370	1,288	1,328	1,299	1,250	1,363	-
2006	1,392	1,288	1,450	1,381	1,445	1,420	1,345	1,447	-
2007	1,454	1,323	1,524	1,468	1,465	1,514	1,383	1,545	-
2008	1,898	1,767	1,991	1,895	1,851	1,939	1,815	1,968	-
2009	1,885	1,824	1,995	1,902	1,812	1,903	1,856	1,984	-
2010	2,072	2,007	2,207	2,035	2,029	2,078	2,030	2,236	-
2011	2,277	2,248	2,442	2,216	2,239	2,258	2,198	2,450	-
2012	2,352	2,331	2,461	2,293	2,241	2,420	2,308	2,499	-
2013	2,338	2,317	2,441	2,290	2,245	2,374	2,290	2,516	2,328
2014	2,369	2,311	2,499	2,357	2,264	2,345	2,299	2,540	2,351
2015	2,034	1,990	2,213	2,072	1,900	2,071	1,931	2,210	2,052
2016	1,914	1,889	2,122	1,946	1,769	2,027	1,818	2,131	1,891
2017	2,075	2,083	2,307	1,992	1,891	2,190	2,003	2,325	1,976
2018	2,177	2,175	2,431	2,083	2,037	2,286	2,092	2,427	1,989
2019	2,140	2,132	2,385	2,043	1,995	2,234	2,063	2,376	2,048
2020	2,148	2,175	2,378	2,055	2,026	2,268	2,077	2,366	2,090
2021	1,358	1,238	1,307	1,206	1,354	1,540	1,280	1,345	1,314
자동차용 부탄 <sup>2</sup> (원/ℓ)									
2002	458	462	458	460	458	461	452	464	-
2003	567	575	565	565	571	566	558	569	-
2004	674	684	667	671	678	669	669	671	-
2005	723	733	714	721	729	717	720	719	-
2006	748	759	737	748	756	739	745	744	-
2007	774	786	767	773	781	759	771	774	-
2008	1,009	1,023	1,005	1,007	1,016	999	1,006	1,010	-
2009	829	842	831	833	833	791	836	836	-
2010	952	968	955	958	959	919	956	957	-
2011	1,076	1,095	1,080	1,084	1,085	1,036	1,081	1,081	-
2012	1,102	1,123	1,109	1,110	1,113	1,065	1,106	1,106	1,098
2013	1,071	1,094	1,077	1,078	1,085	1,051	1,076	1,075	1,068
2014	1,051	1,076	1,058	1,060	1,066	1,008	1,058	1,057	1,048
2015	806	838	811	819	821	742	814	816	805
2016	734	768	735	748	734	699	742	743	737
2017	826	863	825	843	826	773	838	841	834
2018	875	917	874	893	875	795	880	889	882
2019	806	854	798	833	807	739	808	816	816
2020	791	846	782	822	795	726	788	803	804
2021	936	992	928	964	939	854	928	945	949

1. 판매소 가격

2. 충전소 가격

자료: 한국석유공사

## 5. Retail Prices of Petroleum Products(Contd.)

Unit: won/ℓ

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
General Propan <sup>1</sup> (Won/kg)									
867	903	883	835	858	897	917	911	892	2002
979	1,019	982	921	954	976	1,015	996	991	2003
1,043	1,094	1,063	996	1,016	1,037	1,096	1,079	1,083	2004
1,103	1,161	1,130	1,069	1,088	1,112	1,183	1,171	1,190	2005
1,222	1,260	1,224	1,176	1,205	1,227	1,285	1,277	1,254	2006
1,302	1,347	1,307	1,253	1,275	1,318	1,361	1,378	1,359	2007
1,751	1,786	1,771	1,708	1,755	1,777	1,840	1,850	1,868	2008
1,537	1,559	1,517	1,496	1,520	1,564	1,626	1,651	1,625	2009
1,774	1,835	1,757	1,702	1,747	1,804	1,852	1,869	1,853	2010
2,007	2,049	1,991	1,946	1,977	2,020	2,068	2,100	2,036	2011
2,056	2,085	2,090	2,030	2,014	2,103	2,129	2,145	2,169	2012
2,016	2,067	2,074	1,990	2,023	2,083	2,127	2,125	2,164	2013
2,000	2,070	2,073	2,021	2,134	2,130	2,140	2,172	2,219	2014
1,676	1,791	1,716	1,689	1,780	1,777	1,840	1,813	1,844	2015
1,567	1,676	1,625	1,579	1,628	1,671	1,722	1,704	1,735	2016
1,716	1,805	1,806	1,738	1,734	1,810	1,859	1,850	1,949	2017
1,801	1,865	1,904	1,807	1,825	1,906	1,947	1,935	2,034	2018
1,752	1,815	1,841	1,743	1,795	1,858	1,892	1,886	2,001	2019
1,743	1,772	1,814	1,728	1,783	1,851	1,873	1,863	1,974	2020
1,215	1,297	1,331	1,273	1,245	1,323	1,275	1,231	1,484	2021
General Butane <sup>1</sup> (Won/kg)									
756	868	850	847	841	801	914	910	791	2002
1,153	1,225	1,174	1,164	1,157	1,204	1,258	1,225	1,227	2003
1,193	1,246	1,243	1,211	1,163	1,249	1,325	1,275	1,276	2004
1,223	1,329	1,303	1,289	1,281	1,328	1,405	1,356	1,283	2005
1,314	1,407	1,396	1,375	1,352	1,431	1,461	1,457	1,350	2006
1,370	1,455	1,481	1,418	1,418	1,507	1,522	1,525	1,428	2007
1,794	1,909	1,911	1,857	1,857	2,005	1,982	1,999	1,942	2008
1,794	1,831	1,883	1,838	1,838	1,932	1,934	1,981	1,848	2009
1,985	2,042	2,021	2,007	2,010	2,120	2,163	2,151	2,011	2010
2,187	2,267	2,248	2,196	2,205	2,325	2,387	2,350	2,217	2011
2,244	2,311	2,377	2,264	2,276	2,436	2,404	2,373	2,393	2012
2,206	2,279	2,373	2,244	2,258	2,465	2,338	2,367	2,405	2013
2,206	2,295	2,374	2,296	2,341	2,495	2,338	2,419	2,549	2014
1,873	1,966	2,031	1,951	2,017	2,082	2,087	2,040	1,995	2015
1,754	1,832	1,901	1,837	1,905	1,906	1,918	1,927	1,889	2016
1,932	1,982	2,120	1,995	2,047	2,098	2,088	2,082	2,162	2017
2,042	2,083	2,214	2,097	2,144	2,213	2,155	2,189	2,298	2018
2,004	2,038	2,143	2,043	2,120	2,185	2,129	2,149	2,298	2019
2,015	2,032	2,160	2,057	2,148	2,201	2,155	2,151	2,271	2020
1,332	1,450	1,468	1,353	1,321	1,445	1,374	1,376	1,387	2021
Automobile Butane <sup>2</sup> (Won/ℓ)									
462	470	464	459	462	454	462	461	456	2002
573	572	569	566	564	560	564	565	565	2003
682	677	674	672	665	664	665	670	675	2004
731	731	723	724	714	710	714	721	727	2005
756	756	745	747	737	728	735	745	754	2006
782	781	773	767	760	752	759	772	783	2007
1,019	1,015	1,010	1,006	992	984	1,001	1,011	1,012	2008
836	828	832	828	821	795	824	833	834	2009
959	954	954	953	948	922	946	957	960	2010
1,083	1,079	1,073	1,078	1,072	1,051	1,068	1,078	1,082	2011
1,108	1,105	1,103	1,102	1,096	1,079	1,094	1,104	1,108	2012
1,077	1,076	1,071	1,071	1,064	1,050	1,060	1,069	1,083	2013
1,058	1,060	1,051	1,052	1,042	1,033	1,039	1,049	1,077	2014
811	823	815	811	791	791	801	794	841	2015
735	753	743	739	720	723	724	723	769	2016
826	849	840	832	801	815	818	820	868	2017
875	900	888	882	851	859	868	867	917	2018
806	834	819	813	778	795	799	795	847	2019
791	822	803	794	767	784	781	771	829	2020
932	965	938	935	918	922	924	909	970	2021

1. Price at a store.

2. Price at a LPG station.

Source: Korea National Oil Corporation

## 6. 주유소 및 충전소 현황

### 6-1. 주유소

단위: 개소

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
2001	10,373	816	430	419	355	219	287	240	-
2002	10,373	816	430	419	355	219	287	240	-
2003	10,850	734	428	423	342	241	267	247	-
2004	11,123	722	429	429	361	254	266	256	-
2005	11,382	712	430	430	371	276	265	259	-
2006	11,827	703	441	427	384	284	276	262	-
2007	12,139	693	456	429	398	290	281	270	-
2008	12,498	684	484	434	401	313	285	283	-
2009	12,862	679	497	443	412	323	289	295	-
2010	13,003	667	495	443	400	332	290	290	-
2011	12,901	649	494	436	388	331	288	285	-
2012	12,803	631	485	431	387	330	289	283	-
2013	12,687	606	476	415	382	325	282	276	-
2014	12,472	590	453	410	367	310	282	264	-
2015	12,178	563	453	384	349	300	266	259	-
2016	12,010	542	444	382	351	298	259	254	-
2017	-	-	-	-	-	-	-	-	-
2018	11,780	508	429	369	345	279	243	245	64
2019	11,700	496	416	364	342	277	240	239	66
2020	11,402	488	396	344	333	268	234	239	68
2021	11,378	470	387	343	330	262	227	237	69

자료: 주유소협회, 한국석유공사

### 6-2. 충전소

단위: 개소

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
2001	805	67	36	-	-	-	-	-	-
2002	966	68	35	-	-	-	-	-	-
2003	968	70	37	-	-	-	-	-	-
2004	1,220	72	42	-	-	-	-	-	-
2005	1,302	69	49	-	-	-	-	-	-
2006	1,453	69	53	43	51	33	39	35	-
2007	1,532	70	54	44	52	35	39	36	-
2008	1,648	71	57	46	55	50	41	35	-
2009	1,763	71	61	48	56	58	47	37	-
2010	1,893	72	65	47	62	60	45	37	-
2011	1,948	72	69	49	63	61	45	37	-
2012	1,994	73	71	53	64	60	47	35	-
2013	1,995	73	69	53	65	59	47	35	3
2014	2,001	74	68	53	64	60	47	35	4
2015	1,971	75	68	54	64	59	47	33	5
2016	1,969	76	67	57	62	57	46	35	6
2017	1,968	76	67	57	63	57	46	36	7
2018	2,030	77	67	57	62	55	47	37	7
2019	2,007	78	66	57	61	53	46	37	7
2020	2,001	77	63	57	62	52	46	37	7
2021	2,000	77	63	57	62	51	46	37	7

자료: 한국석유공사



## 6. Gas and LPG Station

### 6-1. Gas Stations

Unit: each

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
1,878	624	616	900	795	740	998	920	136	2001
1,878	624	616	900	795	740	998	920	136	2002
1,972	673	649	945	838	841	1,107	991	152	2003
2,027	691	686	947	850	857	1,148	1,046	154	2004
2,121	697	711	948	857	878	1,181	1,092	154	2005
2,211	707	735	1,004	916	905	1,253	1,140	179	2006
2,313	722	734	1,032	925	925	1,302	1,181	188	2007
2,409	712	756	1,072	944	935	1,360	1,238	188	2008
2,532	733	772	1,129	949	952	1,400	1,269	188	2009
2,586	733	792	1,145	961	960	1,422	1,282	205	2010
2,541	749	793	1,149	932	958	1,419	1,286	203	2011
2,534	733	783	1,149	931	949	1,407	1,276	205	2012
2,524	743	794	1,146	938	941	1,386	1,250	203	2013
2,491	732	784	1,137	941	930	1,356	1,225	200	2014
2,395	721	785	1,125	921	922	1,348	1,190	197	2015
2,383	716	767	1,106	913	918	1,335	1,146	196	2016
-	-	-	-	-	-	-	-	-	2017
2,398	682	742	1,037	906	909	1,279	1,152	193	2018
2,396	674	736	1,033	903	902	1,287	1,135	194	2019
2,365	665	712	1,002	884	871	1,241	1,099	193	2020
2,361	659	717	1,008	883	877	1,264	1,090	194	2021

Source: Korea Oil Station Association, Korea National Oil Corporation

### 6-2. LPG Stations

Unit: each

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
151	49	48	85	60	88	110	95	16	2001
190	64	54	109	75	107	128	118	18	2002
188	63	58	108	74	100	131	119	20	2003
257	90	72	141	92	121	161	147	25	2004
277	91	75	153	96	136	170	158	28	2005
262	102	82	129	109	119	157	142	28	2006
282	108	85	132	118	131	165	152	29	2007
312	119	89	139	125	133	179	164	33	2008
348	120	95	151	126	146	189	175	35	2009
389	124	102	166	136	144	212	192	40	2010
414	123	105	165	143	143	221	197	41	2011
425	126	110	170	141	148	224	205	42	2012
427	126	114	164	143	147	222	205	43	2013
433	127	113	164	144	148	220	204	43	2014
425	127	113	162	138	143	220	197	41	2015
428	128	111	161	139	144	219	192	41	2016
425	129	106	162	140	145	219	192	41	2017
440	132	116	163	143	154	232	200	41	2018
431	132	116	165	142	151	226	198	41	2019
432	133	116	165	143	148	230	193	40	2020
431	132	116	165	143	147	233	193	40	2021

Source : Korea National Oil Corporation





## 4. 가 스

### Gas

#### 1. 천연가스

##### LNG

- 1-1. 천연가스 공급  
LNG Supply
- 1-2. 발전용 천연가스 공급  
LNG Supply for Power Generation
- 1-3. 가스제조용 천연가스 공급  
LNG Supply for Town Gas Manufacturing

#### 2. 도시가스

##### City Gas

- 2-1. 도시가스 소비  
City Gas Consumption
- 2-2. 가정용 도시가스 소비  
City Gas Consumption for Residential Sector
- 2-3. 일반용 도시가스 소비  
City Gas Consumption for Commercial Sector
- 2-4. 업무용 도시가스 소비  
City Gas Consumption for Business Use
- 2-5. 산업용 도시가스 소비  
City Gas Consumption for Industrial Sector
- 2-6. 열병합용 도시가스 소비  
City Gas Consumption for CHP
- 2-7. 집단용 도시가스 소비  
City Gas Consumption for Group Energy
- 2-8. 수송용 도시가스 소비  
City Gas Consumption for Transport
- 2-9. 연료전지용 도시가스 소비  
City Gas Consumption for Fuel Cell
- 2-10. 도시가스 보급률  
City Gas Supply Rate by Region
- 2-11. 도시가스 수요가 수  
City Gas Customers

## 1-1. 천연가스 공급

단위: 1,000톤

	전국 <sup>1</sup> Total <sup>1</sup>	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
1991	2,694	606	-	-	1,135	-	-	-	-
1992	3,524	869	-	-	1,309	-	-	-	-
1993	4,402	1,465	-	-	1,275	-	38	-	-
1994	5,860	1,932	-	-	1,488	-	110	-	-
1995	7,087	2,389	-	19	1,578	18	154	-	-
1996	9,363	2,786	36	190	2,424	136	185	-	-
1997	11,379	3,020	346	274	3,338	157	204	115	-
1998	10,645	2,739	378	369	2,438	156	193	521	-
1999	12,961	3,268	472	470	3,171	196	239	586	-
2000	14,557	3,699	543	545	3,214	226	290	681	-
2001	15,990	3,720	576	544	3,746	234	313	842	-
2002	17,766	3,752	634	583	4,189	258	340	898	-
2003	18,610	3,794	911	632	4,046	292	368	886	-
2004	21,809	3,926	2,053	669	4,507	319	397	1,092	-
2005	23,632	4,230	2,041	640	4,443	358	435	1,157	-
2006	24,619	4,037	2,232	638	5,013	369	429	1,241	-
2007	26,516	4,113	2,400	615	5,805	381	431	1,394	-
2008	27,439	4,031	2,360	647	5,507	399	442	1,714	-
2009	26,083	3,984	2,190	655	4,858	405	466	1,462	-
2010	33,083	4,376	3,560	734	6,294	448	510	2,147	-
2011	35,603	4,110	2,589	755	7,061	505	552	2,756	-
2012	38,485	4,196	2,573	774	8,078	515	624	3,164	-
2013	40,278	3,934	2,925	753	8,802	548	594	3,240	146
2014	36,636	3,393	2,585	781	6,646	507	518	2,917	431
2015	33,438	3,260	1,830	1,045	5,557	488	494	2,046	447
2016	34,906	3,351	2,035	1,094	5,441	510	520	2,000	453
2017	36,398	3,448	1,841	1,065	4,864	536	546	2,483	484
2018	42,285	3,525	2,240	1,076	5,145	542	589	3,952	575
2019	40,991	3,450	1,933	1,074	4,419	528	578	3,740	419
2020	42,091	3,772	1,989	1,043	4,595	534	568	3,677	565
2021	45,844	3,819	2,126	1,093	5,596	544	548	4,256	695

1. 기타 포함.

## 1-1. LNG Supply

Unit: 1,000 ton

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
943	-	-	-	-	-	-	-	-	1991
1,307	-	-	-	-	-	-	-	-	1992
1,593	-	-	-	-	-	-	-	-	1993
2,254	-	16	3	-	-	-	-	-	1994
2,786	-	52	14	21	-	-	-	-	1995
3,341	-	78	28	95	-	1	-	-	1996
3,494	-	92	54	109	-	116	-	-	1997
3,197	-	93	75	105	-	190	139	-	1998
3,720	-	132	104	136	18	233	217	-	1999
3,932	-	156	215	168	77	538	272	-	2000
3,967	-	156	352	205	133	883	318	-	2001
4,499	20	171	733	228	405	693	365	-	2002
4,543	98	206	1,033	248	388	743	423	-	2003
4,782	109	235	1,679	284	431	892	467	-	2004
5,126	130	248	1,978	326	652	929	656	-	2005
5,412	137	292	1,619	377	922	1,221	679	-	2006
5,388	149	327	2,226	434	1,386	894	720	-	2007
5,868	169	368	2,350	455	1,304	1,029	797	-	2008
5,609	185	392	1,922	472	1,600	1,058	824	-	2009
6,616	207	474	2,792	564	2,132	1,299	929	-	2010
7,197	778	543	2,711	1,266	2,127	1,060	1,375	-	2011
7,962	754	589	2,945	1,374	2,126	1,155	1,462	-	2012
8,503	844	583	3,256	1,354	2,111	1,147	1,360	-	2013
8,524	534	565	2,707	1,269	2,405	1,392	1,336	-	2014
9,970	426	567	1,113	1,021	2,431	1,330	1,344	-	2015
10,833	387	594	1,199	1,029	2,532	1,414	1,409	-	2016
11,678	637	622	1,619	836	2,852	1,312	1,438	-	2017
13,267	872	672	2,333	1,059	3,330	1,471	1,499	-	2018
13,699	736	689	2,197	1,023	3,536	1,801	1,039	21	2019
13,394	715	708	2,183	904	4,228	1,899	1,010	220	2020
15,284	516	753	2,693	1,042	3,670	1,891	1,036	161	2021

1. Total includes others.

## 1-2. 발전용 천연가스 공급

단위: 1,000톤

	전국 <sup>1</sup> Total <sup>1</sup>	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
1991	1,800	-	-	-	998	-	-	-	-
1992	2,225	7	-	-	1,122	-	-	-	-
1993	2,518	250	-	-	1,007	-	-	-	-
1994	3,215	385	-	-	1,163	-	-	-	-
1995	3,562	364	-	-	1,141	-	-	-	-
1996	4,449	361	-	-	1,900	-	-	-	-
1997	5,198	350	-	-	2,732	-	-	3	-
1998	4,030	183	-	-	1,843	-	-	279	-
1999	4,591	186	-	-	2,424	-	-	197	-
2000	4,353	236	-	-	2,328	-	-	160	-
2001	4,657	228	-	-	2,567	-	-	286	-
2002	5,900	198	1	-	3,194	-	-	255	-
2003	5,853	159	235	-	2,966	-	-	190	-
2004	8,242	140	1,299	-	3,347	-	-	347	-
2005	8,359	158	1,211	-	3,270	-	-	470	-
2006	9,292	222	1,396	-	3,850	-	-	536	-
2007	10,897	282	1,553	-	4,610	-	-	649	-
2008	10,914	193	1,458	-	4,286	-	-	656	-
2009	9,376	128	1,254	-	3,688	-	490	1,637	-
2010	13,937	246	2,528	-	5,012	-	-	847	-
2011	14,412	213	1,566	-	5,845	54	-	1,022	-
2012	15,796	322	1,511	-	6,823	46	-	1,001	-
2013	17,756	262	1,900	-	7,574	87	-	943	87
2014	16,068	87	1,569	42	5,479	60	-	999	377
2015	14,252	51	825	333	3,872	51	-	769	388
2016	15,092	85	985	364	3,685	54	-	800	389
2017	15,154	51	747	316	3,129	58	-	981	418
2018	18,507	-	1,114	309	3,357	59	-	1,508	507
2019	17,945	195	846	334	3,254	58	-	1,247	339
2020	18,612	603	903	300	3,515	58	-	1,204	485
2021	21,526	620	1,020	327	4,380	60	-	1,331	616

1. 기타 포함.

## 1-2. LNG Supply for Power Generation

Unit: 1,000 ton

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
802	-	-	-	-	-	-	-	-	1991
1,096	-	-	-	-	-	-	-	-	1992
1,261	-	-	-	-	-	-	-	-	1993
1,781	-	-	-	-	-	-	-	-	1994
2,057	-	-	-	-	-	-	-	-	1995
2,361	-	-	-	-	-	-	-	-	1996
2,292	-	-	-	-	-	-	-	-	1997
1,884	-	-	-	-	-	-	-	-	1998
1,958	-	-	2	-	-	2	-	-	1999
1,762	-	-	42	-	-	160	-	-	2000
1,647	-	-	121	-	-	438	-	-	2001
1,804	-	-	602	-	261	194	-	-	2002
1,807	-	-	693	-	224	195	-	-	2003
1,887	-	-	1,249	-	258	291	-	-	2004
1,849	-	-	1,459	-	414	212	-	-	2005
2,225	-	-	999	-	683	567	-	-	2006
2,107	-	-	1,517	-	1,029	179	-	-	2007
2,459	-	-	1,629	-	979	117	-	-	2008
-	-	-	1,138	-	1,223	148	-	-	2009
2,868	-	-	1,800	-	1,742	257	-	-	2010
1,569	565	-	1,699	649	1,231	-	-	-	2011
1,785	528	-	1,770	727	1,283	-	-	-	2012
2,312	614	-	1,925	695	1,351	2	-	-	2013
3,103	284	-	1,496	615	1,671	286	-	-	2014
5,325	174	-	92	382	1,712	275	-	-	2015
6,054	110	-	151	386	1,656	336	-	-	2016
6,503	338	-	511	172	1,730	183	-	-	2017
7,304	546	-	1,139	350	2,022	292	-	-	2018
7,732	415	-	973	325	1,970	236	-	21	2019
7,589	386	-	1,012	222	1,864	262	-	209	2020
8,928	159	-	1,417	317	1,999	213	-	138	2021

1. Total includes others.

## 1-3. 가스제조용 천연가스 공급

단위: 1,000톤

	전국 <sup>1</sup> Total <sup>1</sup>	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
1991	879	603	-	-	136	-	-	-	-
1992	1,256	860	-	-	186	-	-	-	-
1993	1,847	1,212	-	-	267	-	38	-	-
1994	2,451	1,539	-	-	321	-	110	-	-
1995	3,417	2,006	-	19	427	18	153	-	-
1996	4,561	2,394	36	188	502	135	183	-	-
1997	5,770	2,625	341	270	556	155	200	108	-
1998	6,233	2,512	371	364	556	154	190	233	-
1999	7,886	3,003	459	461	677	192	234	373	-
2000	9,528	3,375	529	535	808	222	284	503	-
2001	10,300	3,452	569	539	893	232	310	551	-
2002	11,194	3,537	631	581	979	257	338	640	-
2003	11,978	3,593	668	626	1,029	289	365	689	-
2004	12,504	3,670	706	653	1,006	311	387	719	-
2005	14,077	4,046	817	636	1,120	356	432	680	-
2006	13,957	3,794	824	635	1,115	367	427	698	-
2007	14,449	3,830	846	615	1,146	381	431	744	-
2008	15,316	3,838	901	647	1,159	399	442	1,058	-
2009	15,510	3,822	918	649	1,130	401	462	960	-
2010	17,522	4,101	1,009	729	1,242	445	506	1,287	-
2011	18,255	3,897	1,023	755	1,216	452	552	1,734	-
2012	19,558	3,874	1,062	774	1,255	469	624	2,164	-
2013	19,596	3,672	1,025	753	1,228	461	594	2,297	58
2014	18,180	3,306	1,016	739	1,167	447	518	1,918	54
2015	16,929	3,209	1,005	711	1,088	438	494	1,277	60
2016	17,384	3,266	1,050	730	1,132	457	520	1,200	64
2017	18,390	3,396	1,094	749	1,159	478	546	1,502	66
2018	19,813	3,525	1,125	767	1,241	484	589	2,012	69
2019	18,822	3,255	1,088	740	1,165	470	578	1,664	80
2020	18,247	3,169	1,086	742	1,079	476	568	1,314	80
2021	19,331	3,199	1,106	765	1,142	485	548	1,647	79

1. 기타 포함.



## 1-3. LNG Supply for City Gas Manufacturing

Unit: 1,000 ton

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
140	-	-	-	-	-	-	-	-	1991
210	-	-	-	-	-	-	-	-	1992
330	-	-	-	-	-	-	-	-	1993
464	-	16	3	-	-	-	-	-	1994
707	-	52	14	21	-	-	-	-	1995
944	-	77	28	94	-	1	-	-	1996
1,151	-	90	53	107	-	114	-	-	1997
1,262	-	91	73	103	-	187	137	-	1998
1,671	-	128	99	132	18	226	214	-	1999
2,068	-	152	170	164	77	373	268	-	2000
2,286	-	154	229	203	131	439	313	-	2001
2,521	20	170	278	227	145	498	364	-	2002
2,720	98	204	331	246	161	541	419	-	2003
2,846	107	199	380	277	163	580	452	-	2004
3,212	129	247	506	324	220	713	639	-	2005
3,133	137	291	612	376	234	650	664	-	2006
3,220	149	327	708	433	353	716	696	-	2007
3,333	169	368	721	455	321	911	766	-	2008
3,401	184	389	768	468	364	901	817	-	2009
3,706	206	471	974	561	376	1,034	923	-	2010
3,868	213	543	1,011	617	382	1,060	925	-	2011
4,131	225	589	1,175	647	425	1,155	989	-	2012
4,082	230	583	1,331	658	484	1,145	992	-	2013
3,767	250	565	1,211	654	471	1,106	980	-	2014
3,704	253	567	1,021	640	450	1,049	957	-	2015
3,846	276	594	1,047	643	483	1,072	993	-	2016
4,067	300	622	1,108	664	503	1,122	1,002	-	2017
4,255	326	672	1,194	708	600	1,168	1,069	-	2018
4,065	321	689	1,224	698	580	1,153	1,039	-	2019
4,027	329	708	1,171	682	621	1,148	1,010	11	2020
4,246	357	753	1,258	725	712	1,215	1,036	22	2021

1. Total includes others.

## 2-1. 도시가스 소비

단위: 1,000m³

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
1991	1,466,874	730,141	68,940	48,788	164,037	41,243	26,052	-	-
1992	2,113,121	1,044,736	102,003	66,596	225,879	63,723	49,930	-	-
1993	2,951,158	1,421,168	153,877	95,587	313,113	85,305	93,889	-	-
1994	3,941,663	1,894,187	196,830	126,843	394,820	102,530	139,305	-	-
1995	5,327,487	2,452,299	253,637	172,955	522,337	130,966	190,635	-	-
1996	6,780,018	2,977,506	325,281	241,125	624,902	172,430	229,125	-	-
1997	7,893,419	3,247,943	418,137	343,753	693,540	196,514	248,206	-	-
1998	8,193,908	3,138,085	458,593	460,101	697,186	196,348	243,117	322,322	-
1999	10,205,272	3,725,470	567,637	571,507	840,335	243,312	293,017	460,496	-
2000	12,180,448	4,217,164	667,784	672,706	981,458	280,724	350,169	623,863	-
2001	12,852,710	4,257,070	718,146	671,982	1,093,699	284,628	389,139	680,612	-
2002	14,090,741	4,431,234	801,978	726,604	1,208,201	326,970	418,861	800,978	-
2003	14,971,677	4,511,197	843,444	769,433	1,274,320	363,569	455,821	857,371	-
2004	15,671,349	4,582,177	891,858	733,775	1,293,576	380,091	480,320	780,372	-
2005	17,294,696	4,959,554	1,027,935	779,658	1,382,000	432,715	537,974	843,591	-
2006	17,614,948	4,813,245	1,042,472	809,671	1,414,342	482,615	538,996	873,855	-
2007	18,190,408	4,847,689	1,072,919	777,571	1,441,279	480,851	547,170	927,679	-
2008	19,237,924	4,853,863	1,137,257	810,130	1,457,030	505,710	562,886	1,326,535	-
2009	19,405,838	4,820,090	1,160,866	806,218	1,421,974	512,363	588,324	1,195,823	-
2010	21,953,776	5,133,109	1,275,714	902,882	1,527,655	565,168	642,407	1,648,027	-
2011	22,950,663	4,927,023	1,297,956	954,672	1,529,080	578,463	694,119	2,185,263	-
2012	24,605,396	4,915,178	1,359,726	966,132	1,569,847	599,276	782,858	2,725,130	-
2013	24,942,245	4,731,122	1,318,036	970,475	1,569,858	590,363	750,539	2,913,392	74,885
2014	23,026,898	4,261,204	1,313,073	933,462	1,479,928	580,199	650,047	2,431,745	69,119
2015	21,586,816	4,161,540	1,296,982	928,277	1,393,452	566,883	616,966	1,618,172	76,727
2016	22,228,820	4,250,538	1,361,004	935,036	1,448,692	595,195	654,218	1,530,570	82,708
2017	23,613,566	4,429,461	1,427,373	956,984	1,485,275	624,409	688,680	1,923,549	84,996
2018	25,574,622	4,614,403	1,461,838	1,004,383	1,586,559	634,020	746,189	2,596,074	89,358
2019	24,414,264	4,295,801	1,428,643	971,915	1,504,519	620,261	734,623	2,148,515	104,310
2020	23,557,167	4,180,226	1,408,893	953,114	1,393,143	627,613	718,097	1,691,456	104,275
2021	24,978,268	4,201,854	1,421,998	1,004,013	1,472,528	639,837	695,597	2,134,804	103,598

자료: 한국도시가스협회

## 2-1. City Gas Consumption

Unit: 1,000m<sup>3</sup>

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
169,382	12,406	10,880	-	24,010	22,944	24,294	123,758	-	1991
255,627	18,897	18,367	-	35,144	31,651	38,357	162,210	-	1992
386,306	28,601	30,373	306	53,023	46,689	55,803	187,118	-	1993
571,617	37,949	40,387	3,762	65,887	57,721	71,928	237,897	-	1994
863,576	53,370	66,302	17,615	102,419	74,890	120,996	305,490	-	1995
1,174,934	66,706	99,191	34,880	142,755	93,368	210,320	387,495	-	1996
1,429,039	72,436	118,028	85,368	168,667	101,313	303,034	467,441	-	1997
1,580,507	75,048	123,689	106,758	166,360	91,364	337,848	196,582	-	1998
2,078,424	90,434	169,399	126,453	205,931	153,570	410,137	269,150	-	1999
2,600,747	104,836	200,062	210,260	245,815	188,855	496,782	339,223	-	2000
2,798,097	108,847	203,947	283,307	254,380	186,834	539,801	382,221	-	2001
3,116,858	118,885	226,232	347,226	285,800	207,527	610,249	463,138	-	2002
3,362,143	142,260	247,672	404,157	307,877	223,892	685,143	523,378	-	2003
3,551,827	152,752	263,831	485,106	346,156	245,383	801,259	682,866	-	2004
3,940,367	177,787	300,545	613,767	399,248	269,671	852,406	776,635	843	2005
3,973,342	193,264	332,540	747,304	469,810	272,960	825,061	823,068	2,403	2006
4,073,697	201,820	380,580	880,437	540,486	309,961	848,062	855,945	4,262	2007
4,198,359	218,635	431,862	896,585	571,066	390,289	938,349	934,879	4,489	2008
4,291,039	234,503	462,297	933,738	585,837	374,877	1,044,778	965,469	7,642	2009
4,745,302	265,539	563,490	1,195,239	700,849	457,891	1,231,860	1,089,940	8,704	2010
4,879,639	282,691	651,311	1,238,429	768,433	465,549	1,335,269	1,152,013	10,753	2011
5,213,311	298,518	721,053	1,441,310	812,973	518,472	1,451,325	1,218,609	11,678	2012
5,217,051	307,873	718,776	1,660,010	834,110	594,959	1,439,696	1,239,011	12,089	2013
4,797,282	296,437	697,543	1,504,915	830,627	573,965	1,383,377	1,209,811	14,164	2014
4,760,289	303,997	702,872	1,260,344	818,971	547,357	1,319,320	1,198,707	15,960	2015
4,969,753	329,207	742,339	1,302,614	830,424	588,393	1,347,987	1,240,924	19,218	2016
5,260,334	365,262	784,910	1,379,696	861,810	627,059	1,433,525	1,259,180	21,063	2017
5,512,183	407,983	853,533	1,504,009	923,654	754,076	1,500,009	1,363,774	22,577	2018
5,279,040	413,213	882,463	1,550,909	908,436	733,594	1,495,669	1,318,505	23,847	2019
5,236,398	415,904	901,441	1,478,547	883,121	793,430	1,479,254	1,267,055	25,199	2020
5,498,488	459,932	964,027	1,594,432	947,205	916,278	1,577,398	1,316,485	29,793	2021

Source: Korea City Gas Association

## 2-2. 가정용 도시가스 소비

단위: 1,000m³

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
1991	770,570	368,531	31,356	35,465	94,193	25,390	14,810	-	-
1992	1,250,101	610,844	52,317	51,189	139,488	43,604	33,787	-	-
1993	1,828,161	861,230	85,210	73,398	199,643	61,229	66,982	-	-
1994	2,531,868	1,249,894	95,699	92,759	261,057	71,267	98,067	-	-
1995	3,480,681	1,684,283	132,316	123,463	345,416	91,484	134,548	-	-
1996	4,390,270	2,055,527	170,375	172,762	418,673	119,069	160,783	-	-
1997	5,044,961	2,284,421	219,205	214,039	464,451	138,249	170,817	-	-
1998	5,076,400	2,224,670	236,216	227,904	443,418	143,687	156,551	93,590	-
1999	6,094,202	2,593,269	281,922	266,888	520,063	168,987	187,586	111,711	-
2000	7,002,921	2,921,840	330,756	292,224	588,098	191,012	223,049	127,712	-
2001	7,168,126	2,874,267	340,386	291,801	605,046	181,970	248,450	139,982	-
2002	7,722,968	2,960,044	372,695	328,424	639,801	205,955	264,851	164,266	-
2003	8,124,439	2,983,658	401,792	364,694	662,488	220,958	288,124	185,863	-
2004	8,224,998	2,960,967	400,587	345,096	653,849	223,231	290,239	165,028	-
2005	8,898,987	3,099,204	467,561	381,430	695,600	242,092	313,728	196,750	-
2006	8,792,755	2,938,047	464,538	399,629	659,708	261,470	308,743	215,725	-
2007	8,745,028	2,865,902	458,730	388,969	643,757	264,936	308,021	214,667	-
2008	8,843,138	2,805,545	484,287	398,117	638,513	278,202	312,972	234,335	-
2009	8,880,578	2,747,540	503,772	394,118	634,286	281,121	314,990	234,488	-
2010	9,606,682	2,926,345	556,098	440,024	666,963	301,995	329,935	260,069	-
2011	9,573,052	2,844,795	559,727	447,853	661,426	308,771	332,142	263,240	-
2012	9,728,509	2,837,229	586,845	455,563	648,584	317,203	345,102	274,999	-
2013	9,570,323	2,740,579	561,338	461,235	637,006	306,346	336,923	266,100	14,339
2014	8,863,227	2,421,279	560,982	435,900	555,999	299,269	317,406	263,459	16,370
2015	8,894,986	2,360,034	558,657	460,824	554,496	302,217	318,851	266,571	17,637
2016	9,434,307	2,448,762	607,542	481,681	583,454	320,283	340,973	278,712	20,111
2017	10,054,672	2,571,841	646,104	503,822	622,382	341,423	359,805	282,826	22,294
2018	10,719,156	2,688,713	679,069	556,835	665,395	353,684	377,882	302,106	24,279
2019	10,289,363	2,518,627	650,081	534,760	628,118	349,659	363,164	285,734	24,131
2020	10,702,370	2,591,941	696,384	553,298	637,360	371,454	377,540	297,802	25,214
2021	10,898,809	2,582,663	704,147	583,478	649,193	373,068	378,152	301,691	26,102

자료: 한국도시가스협회

## 2-2. City Gas Consumption for Residential Sector

Unit: 1,000m<sup>3</sup>

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
101,877	9,907	9,188	-	18,470	11,760	5,800	43,824	-	1991
160,624	16,121	13,017	-	28,166	19,124	12,062	69,756	-	1992
263,094	24,595	20,405	306	43,216	29,509	19,928	79,416	-	1993
384,036	32,718	26,339	3,238	49,395	38,079	26,791	102,529	-	1994
561,625	45,839	45,869	10,620	71,891	55,871	40,177	137,279	-	1995
748,154	57,341	61,563	20,561	96,095	72,098	56,824	180,445	-	1996
932,092	63,012	71,464	35,863	106,373	77,689	69,146	198,140	-	1997
1,025,775	63,600	72,302	36,684	108,053	65,553	77,422	100,975	-	1998
1,325,464	76,136	83,727	48,483	125,913	76,005	100,425	127,623	-	1999
1,581,503	87,331	92,657	63,800	144,290	83,984	126,135	148,530	-	2000
1,708,600	89,396	98,205	74,695	145,189	92,173	130,200	147,766	-	2001
1,899,646	93,348	107,311	91,541	158,694	100,283	154,118	181,991	-	2002
2,027,910	108,342	116,585	110,178	173,765	104,359	176,772	198,951	-	2003
2,077,065	110,689	117,390	134,471	179,455	111,545	225,144	230,242	-	2004
2,237,881	125,765	132,917	158,203	201,799	124,179	265,480	255,593	805	2005
2,216,857	128,910	132,468	174,208	206,792	123,595	280,527	279,335	2,203	2006
2,212,819	135,144	142,146	193,301	214,849	127,335	292,089	279,549	2,814	2007
2,189,270	144,870	152,618	215,779	230,748	135,675	312,135	307,472	2,600	2008
2,203,507	148,699	161,914	234,501	237,583	141,887	317,109	321,441	3,622	2009
2,361,858	166,920	181,617	274,057	263,607	157,168	348,647	367,039	4,340	2010
2,336,713	169,708	186,520	281,572	274,240	161,134	363,354	376,464	5,393	2011
2,345,118	177,277	200,514	299,796	287,203	171,907	379,835	394,978	6,356	2012
2,306,832	180,131	200,446	302,092	291,479	174,692	379,825	403,738	7,222	2013
2,071,253	171,483	201,056	293,841	291,629	176,898	380,688	397,107	8,608	2014
2,073,479	176,227	202,435	304,840	298,107	185,921	387,060	417,718	9,912	2015
2,215,968	189,384	223,488	332,076	318,777	206,539	412,148	442,281	12,128	2016
2,381,991	204,980	248,748	360,539	344,753	224,733	452,391	472,257	13,783	2017
2,523,320	236,633	275,526	389,729	366,322	239,714	493,842	531,728	14,379	2018
2,407,859	235,197	277,492	392,671	364,792	245,480	477,927	518,970	14,702	2019
2,492,987	245,476	288,266	402,243	382,081	269,331	507,619	547,325	16,050	2020
2,535,533	267,729	295,816	416,744	387,012	274,408	534,250	571,971	16,853	2021

Source: Korea City Gas Association

2-3. 일반용 도시가스 소비<sup>1)</sup>

단위: 1,000m³

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
1991	62,766	42,480	2,987	1,988	800	3,429	869	175	-
1992	73,497	51,401	2,978	1,611	1,311	2,197	1,235	412	-
1993	91,797	63,390	3,157	1,722	1,868	2,200	2,282	777	-
1994	104,530	70,109	3,609	2,604	2,326	2,823	2,452	838	-
1995	128,426	81,966	4,568	4,352	2,895	3,019	2,373	962	-
1996	162,560	100,319	5,634	5,244	3,791	2,509	2,790	1,280	-
1997	178,643	106,146	6,440	5,868	4,045	3,045	3,079	1,285	-
1998	238,265	136,678	6,579	6,371	11,154	3,827	5,363	2,856	-
1999	336,562	199,273	8,446	7,767	11,057	7,417	22,276	3,065	-
2000	686,113	337,948	53,610	30,739	36,307	11,110	33,294	10,785	-
2001	820,036	389,915	57,656	40,092	45,526	14,286	40,690	13,562	-
2002	1,015,962	464,162	65,448	53,296	55,614	19,987	46,285	19,288	-
2003	1,207,702	511,342	79,038	63,315	68,891	28,486	61,736	26,145	-
2004	1,384,659	563,488	92,014	68,472	77,679	36,138	57,862	32,781	-
2005	1,576,396	628,206	108,236	77,420	84,581	42,621	63,333	40,501	-
2006	1,677,454	653,436	112,266	81,890	91,993	49,535	66,719	44,878	-
2007	1,752,143	674,724	116,669	80,524	94,998	52,641	69,814	46,424	-
2008	1,791,507	675,990	119,313	79,642	97,389	53,821	68,614	48,617	-
2009	1,788,787	674,078	118,236	74,996	94,241	53,431	68,516	47,980	-
2010	1,864,049	687,410	120,451	76,091	97,725	55,312	70,696	50,129	-
2011	1,865,820	673,409	121,168	77,561	103,186	56,301	71,302	50,473	-
2012	1,913,666	673,934	122,869	76,553	115,575	59,389	71,682	52,550	-
2013	1,939,014	644,767	129,262	75,052	121,328	59,286	71,183	51,386	2,366
2014	1,907,617	616,058	129,734	74,561	121,104	60,625	71,544	51,445	3,397
2015	1,912,625	609,920	131,313	75,570	122,705	61,447	71,672	52,827	4,814
2016	1,991,352	624,951	135,862	76,810	125,037	64,065	74,164	55,297	6,270
2017	2,102,631	665,988	136,678	77,527	131,200	64,689	76,493	56,809	7,321
2018	2,215,979	705,433	141,821	78,321	136,001	65,338	77,729	57,866	8,365
2019	2,230,897	697,433	145,586	77,274	136,199	65,211	77,122	57,142	10,600
2020	1,976,379	600,750	128,594	67,371	121,703	59,131	67,984	50,600	9,803
2021	1,987,070	590,054	129,097	69,398	114,764	57,615	67,824	50,758	10,250

1. 일반용이란 건축법 제2조제1항제13호 중 다음 각호의 해당되는 것 중 직접적인 영리를 목적으로 영업활동에 사용되는 것. 근린생활시설(목욕탕 제외), 운동시설, 숙박시설, 판매시설, 위락시설, 관람·집회시설, 위험물저장 및 처리시설, 자동차 관련시설, 관광휴식시설. 단, 상기 수용장소의 소속된 인원을 위하여 운영하는 구내식당에 사용되는 가스는 제외하는 것을 원칙으로 한다.

자료: 한국도시가스협회

## 2-3. City Gas Consumption for Commercial Sector

Unit: 1,000m<sup>3</sup>

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
1,845	1,375	395	-	1,411	1,457	412	3,144	-	1991
2,684	1,366	630	-	1,593	1,767	585	3,727	-	1992
4,865	1,561	808	-	1,838	2,364	748	4,217	-	1993
6,908	1,673	1,090	2	2,166	1,794	1,044	5,092	-	1994
12,349	2,559	482	69	3,617	1,515	1,462	6,238	-	1995
20,179	2,910	743	98	6,526	1,866	1,803	6,869	-	1996
26,484	2,988	894	83	6,787	1,939	1,730	7,830	-	1997
39,775	3,630	1,526	788	7,541	1,805	2,003	8,369	-	1998
45,869	3,556	1,193	251	9,123	2,023	2,940	12,306	-	1999
109,693	3,565	6,409	2,644	11,188	3,300	13,853	21,668	-	2000
139,418	4,189	8,430	5,662	13,450	3,892	16,691	26,577	-	2001
184,408	7,090	11,093	9,726	15,408	6,112	21,029	37,016	-	2002
230,987	6,937	14,068	14,903	20,235	8,940	26,783	45,896	-	2003
276,053	10,767	18,670	21,070	24,503	11,562	35,196	58,404	-	2004
314,040	13,724	22,112	26,493	28,523	14,594	41,951	70,053	8	2005
341,093	15,434	23,227	29,321	30,650	17,562	48,535	70,860	55	2006
365,782	16,818	25,768	33,351	31,792	18,026	51,615	73,069	128	2007
386,859	17,152	26,247	34,327	33,595	19,107	54,473	76,163	198	2008
392,408	17,594	25,719	38,470	34,073	19,903	53,561	75,136	445	2009
416,990	24,092	26,240	48,037	35,533	21,116	55,970	77,749	508	2010
418,677	28,859	26,293	40,202	37,600	23,124	63,317	73,777	571	2011
424,748	31,919	28,532	43,159	38,517	28,178	70,720	74,717	624	2012
436,619	35,118	29,611	66,208	39,647	29,764	67,694	78,843	880	2013
432,665	34,319	29,431	61,930	42,073	32,530	68,208	76,840	1,153	2014
439,829	36,428	30,314	49,519	44,288	34,490	67,380	78,810	1,299	2015
467,217	38,807	31,312	53,522	45,769	37,704	70,165	82,835	1,565	2016
501,531	48,391	32,944	53,104	47,256	41,080	72,627	87,447	1,546	2017
532,245	59,094	36,189	55,041	48,679	43,648	76,938	91,645	1,626	2018
540,036	67,485	36,509	56,545	50,341	46,314	76,775	88,559	1,765	2019
492,687	57,512	33,297	48,837	45,403	43,320	66,833	80,383	2,171	2020
504,891	60,798	34,842	50,373	45,872	46,798	71,903	78,348	3,485	2021

Source: Korea City Gas Association

2-4. 업무용 도시가스 소비<sup>1)</sup>단위: 1,000m<sup>3</sup>

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
1991	335,415	293,137	12,488	2,690	4,524	2,051	7,182	420	-
1992	430,370	353,123	16,715	3,656	12,999	3,268	10,843	1,290	-
1993	501,082	374,082	23,562	6,956	22,315	4,783	19,378	2,950	-
1994	628,405	435,841	34,907	11,768	26,014	6,483	30,356	5,163	-
1995	761,937	509,994	40,918	15,671	32,028	9,452	41,417	6,136	-
1996	942,981	600,709	57,510	25,078	44,619	15,819	52,323	8,545	-
1997	1,013,179	597,242	69,360	34,999	48,778	21,108	58,638	9,356	-
1998	930,315	517,191	68,261	36,662	43,020	20,280	63,653	9,738	-
1999	1,116,473	590,687	84,534	48,426	52,775	23,211	62,512	13,837	-
2000	1,074,457	589,758	54,482	41,614	44,559	25,528	66,290	12,339	-
2001	1,160,643	617,908	64,817	44,687	50,412	30,378	68,365	14,833	-
2002	1,192,414	601,392	72,598	45,995	51,884	34,046	69,197	18,592	-
2003	1,224,401	605,673	74,060	49,937	56,548	36,615	64,255	19,329	-
2004	1,332,843	643,323	75,892	50,950	61,629	39,907	80,851	17,713	-
2005	1,598,273	772,549	87,101	60,809	72,597	49,394	93,102	20,042	-
2006	1,568,894	737,083	78,216	58,195	74,692	54,503	84,660	20,021	-
2007	1,597,372	737,401	81,393	57,750	76,749	52,739	86,769	19,714	-
2008	1,613,490	741,071	80,792	58,170	77,101	58,173	87,868	20,608	-
2009	1,614,604	734,619	79,190	54,805	79,474	50,971	86,074	20,332	-
2010	1,723,507	765,019	87,949	61,393	83,436	59,157	91,860	22,043	-
2011	1,575,315	667,263	80,056	59,268	73,067	63,594	84,714	21,102	-
2012	1,564,516	665,195	77,693	55,198	70,708	64,317	81,556	20,019	-
2013	1,495,233	630,033	70,989	52,373	72,361	59,770	77,312	19,028	1,446
2014	1,341,689	561,720	65,208	46,396	66,553	37,552	71,104	17,714	1,483
2015	1,355,831	566,385	63,355	46,769	68,637	36,227	70,294	17,864	1,803
2016	1,482,267	610,178	69,856	50,035	70,752	39,196	78,855	20,300	2,532
2017	1,508,341	598,461	70,225	52,662	74,323	40,507	82,357	21,444	3,191
2018	1,536,529	592,536	69,384	53,850	77,916	41,757	85,382	22,535	3,739
2019	1,417,542	531,593	61,407	49,544	72,250	38,082	78,164	21,344	3,922
2020	1,258,780	465,788	53,153	45,374	60,457	33,868	71,582	19,495	3,926
2021	1,323,417	480,298	55,828	49,951	64,681	34,369	75,337	20,370	4,947

1. 업무용이란 건축법 제2조제1항제13호 중 다음 각호의 하나에 해당되는 것 중 건물의 난방 등을 목적으로 사용되는 것. 근린공공시설, 종교시설, 노약자시설, 교육연구시설, 의료시설, 업무시설, 전시시설, 창고시설, 운수시설, 군사시설, 방송·통신시설, 묘지·장례시설, 청소년수련시설, 기타 주택용, 영업용, 냉방용, 산업용 이외의 용도로 사용되는 것

자료: 한국도시가스협회



## 2-4. City Gas Consumption for Business Use

Unit: 1,000m<sup>3</sup>

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
6,643	1,043	307	-	1,366	642	465	2,458	-	1991
19,326	1,292	820	-	2,094	689	843	3,412	-	1992
32,128	2,284	1,262	-	3,494	1,565	1,444	4,880	-	1993
52,294	3,352	2,584	7	6,927	2,739	2,395	7,573	-	1994
71,410	4,747	4,628	134	9,029	2,905	4,085	9,383	-	1995
93,632	6,134	5,918	1,048	10,271	4,305	5,726	11,344	-	1996
117,811	6,163	6,030	3,431	12,534	4,212	9,352	14,165	-	1997
110,063	7,694	6,142	4,114	12,641	4,963	9,562	16,331	-	1998
156,683	8,746	11,701	5,793	15,800	7,008	13,391	21,369	-	1999
155,435	10,621	11,847	4,777	18,954	8,029	9,545	20,679	-	2000
171,654	12,039	11,417	6,547	19,999	9,407	13,057	25,123	-	2001
190,634	14,685	12,415	8,787	19,705	10,636	14,278	27,570	-	2002
205,053	15,012	13,343	10,846	20,475	10,417	15,260	27,578	-	2003
230,070	15,698	14,216	15,017	21,773	13,103	22,136	30,565	-	2004
274,916	19,414	17,045	18,948	25,978	15,889	29,887	40,572	30	2005
285,628	21,698	17,005	20,620	25,678	17,528	31,604	41,618	145	2006
301,619	21,590	17,702	23,217	26,219	18,684	33,716	40,790	1,320	2007
297,669	21,834	17,970	26,171	28,099	19,852	35,645	40,776	1,691	2008
310,942	21,568	17,817	28,849	28,913	20,341	35,054	42,080	3,575	2009
335,712	24,371	21,490	33,224	30,921	21,796	39,865	41,415	3,856	2010
310,650	22,727	24,680	32,024	28,454	20,503	38,218	44,206	4,789	2011
313,878	23,698	26,747	31,867	27,350	21,678	36,596	43,318	4,698	2012
304,032	23,245	28,126	30,981	26,385	21,651	34,340	39,174	3,987	2013
273,979	22,671	25,114	30,162	25,823	20,140	32,895	38,772	4,403	2014
280,851	23,800	26,841	30,369	26,944	19,726	33,814	37,403	4,749	2015
313,919	26,530	29,399	33,545	29,605	21,215	37,272	43,553	5,525	2016
327,012	27,632	31,188	34,936	31,448	22,211	39,414	45,596	5,734	2017
337,032	31,972	34,488	36,321	34,215	22,291	40,068	46,471	6,572	2018
318,612	29,365	33,601	35,279	33,014	21,760	37,988	44,234	7,381	2019
285,530	26,700	29,035	31,962	30,693	20,158	33,868	40,216	6,976	2020
302,565	28,265	30,591	34,175	31,371	20,985	35,510	44,724	9,449	2021

Source: Korea City Gas Association

2-5. 산업용 도시가스 소비<sup>1</sup>단위: 1,000m<sup>3</sup>

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
1991	298,123	25,994	22,108	8,645	64,520	10,373	3,191	-	-
1992	359,154	29,368	29,993	10,140	72,080	14,654	4,065	-	-
1993	438,078	30,426	41,948	13,511	89,287	17,093	5,247	-	-
1994	571,813	33,296	62,616	19,713	105,422	21,956	8,429	-	-
1995	821,747	41,360	75,835	29,469	141,998	27,011	12,298	-	-
1996	1,102,818	46,756	84,570	38,041	157,819	35,033	13,229	-	-
1997	1,424,511	49,935	101,232	88,847	176,266	34,112	15,672	-	-
1998	1,726,479	62,684	122,014	189,164	199,594	28,554	17,550	216,138	-
1999	2,410,083	122,117	164,910	248,426	256,440	43,697	20,643	331,883	-
2000	3,150,793	132,647	198,810	308,129	312,494	53,015	27,536	473,027	-
2001	3,429,171	130,686	226,978	293,529	392,394	57,369	30,677	512,079	-
2002	3,794,484	131,221	262,037	290,606	456,681	62,422	32,384	594,797	-
2003	3,978,482	128,540	257,932	272,452	473,435	65,416	33,486	620,130	-
2004	4,173,380	114,112	291,718	241,516	474,142	64,030	38,658	557,923	-
2005	4,433,759	90,850	327,589	227,598	480,851	75,959	43,991	570,656	-
2006	4,616,267	67,003	345,408	227,494	508,353	88,149	48,584	571,072	-
2007	4,952,347	56,396	372,113	202,475	521,537	81,379	51,277	622,480	-
2008	5,623,731	46,588	392,597	219,166	518,054	82,848	56,270	996,481	-
2009	5,583,648	43,599	386,097	216,314	471,224	82,013	74,495	864,141	-
2010	6,947,055	44,326	414,698	247,316	528,586	103,468	98,603	1,285,945	-
2011	7,946,294	42,556	425,632	272,097	543,385	109,132	114,918	1,818,920	-
2012	9,054,083	39,073	433,520	273,662	586,638	116,996	123,734	2,346,098	-
2013	9,619,727	38,041	409,087	280,979	604,077	123,238	119,002	2,544,427	48,386
2014	8,784,060	35,276	401,256	272,934	604,173	142,181	113,950	2,064,168	47,263
2015	7,408,326	32,999	388,166	251,266	538,532	124,079	93,928	1,247,061	49,281
2016	7,367,753	31,432	391,094	231,451	564,894	129,150	93,169	1,142,253	47,780
2017	7,899,511	28,167	386,145	230,293	554,126	134,411	99,498	1,528,459	50,010
2018	8,898,329	24,972	372,329	223,118	592,891	131,698	113,744	2,158,399	51,795
2019	8,395,924	20,974	383,416	221,372	559,933	127,998	119,403	1,703,452	51,387
2020	7,673,986	18,435	364,346	209,175	476,699	127,305	110,973	1,251,239	53,205
2021	8,627,120	17,748	364,385	224,080	489,751	138,719	104,534	1,665,333	52,987

1. 통계청 고시 한국표준산업분류에서 정한 제조업체의 제조공정용으로 사용되는 것. 동일사업장내에 있는 부대시설(구내식당, 목욕탕, 의무실, 매점, 이·미용실, 경비실, 사무실, 독신자합숙소(기숙사))를 포함하여 적용한다. 단, 사택은 부대시설로 보지 않는다.

자료: 한국도시가스협회

## 2-5. City Gas Consumption for Industrial Sector

Unit: 1,000m³

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
59,017	79	991	-	2,763	9,086	17,617	73,737	-	1991
72,993	118	3,900	-	3,292	10,071	24,867	83,613	-	1992
86,219	162	7,898	-	4,474	13,251	33,684	94,878	-	1993
128,379	205	10,374	515	7,400	15,109	41,698	116,701	-	1994
218,191	225	15,323	6,792	17,882	14,599	75,272	145,492	-	1995
312,968	321	30,967	13,173	29,863	15,099	145,967	179,012	-	1996
352,626	273	39,640	45,991	42,973	17,473	222,806	236,665	-	1997
404,830	124	43,719	65,172	38,125	19,043	248,861	70,907	-	1998
550,405	1,996	72,778	71,926	55,095	68,534	293,381	107,852	-	1999
753,108	3,319	89,149	139,039	71,383	93,542	347,249	148,346	-	2000
774,213	3,223	85,895	196,403	75,684	87,433	379,853	182,755	-	2001
816,936	3,762	95,413	237,172	89,541	90,496	420,824	210,192	-	2002
851,141	11,969	103,676	267,450	88,822	100,176	466,328	237,529	-	2003
884,509	15,441	110,898	309,002	109,776	109,173	518,719	333,763	-	2004
972,485	16,011	124,000	397,114	125,691	111,926	506,931	362,107	-	2005
967,844	18,266	150,773	506,136	184,862	105,237	452,238	374,848	-	2006
999,155	18,013	183,386	610,396	245,126	133,902	453,433	401,279	-	2007
1,061,079	23,386	220,667	597,708	252,143	202,100	510,502	444,142	-	2008
1,086,780	33,448	239,306	604,650	252,937	171,017	604,809	452,818	-	2009
1,243,011	34,483	313,763	794,653	337,238	236,400	748,371	516,194	-	2010
1,318,204	44,491	392,652	837,330	395,584	237,690	830,039	563,664	-	2011
1,445,481	47,437	442,876	995,472	426,800	263,309	911,004	601,983	-	2012
1,485,703	50,297	436,963	1,202,828	438,199	339,997	898,571	599,932	-	2013
1,400,070	48,378	417,880	1,069,507	434,142	306,179	842,865	583,838	-	2014
1,378,321	47,188	419,744	824,868	406,813	278,532	773,049	554,499	-	2015
1,403,863	53,608	436,282	821,364	398,961	286,289	774,916	561,247	-	2016
1,461,994	60,827	449,709	857,056	404,412	297,767	815,164	541,473	-	2017
1,538,475	60,416	484,582	929,596	439,887	403,175	833,148	540,104	-	2018
1,505,784	63,967	512,818	976,650	424,880	373,801	835,213	514,874	-	2019
1,479,221	64,791	532,903	901,167	392,359	411,481	809,810	470,877	-	2020
1,579,115	69,171	575,261	1,041,945	447,094	499,456	870,450	487,091	-	2021

Source: Korea City Gas Association

## 2-6. 열병합용 도시가스 소비

단위: 1,000m³

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
1993	92,038	92,038	-	-	-	-	-	-	-
1994	105,046	105,046	-	-	-	-	-	-	-
1995	134,695	134,695	-	-	-	-	-	-	-
1996	181,389	174,197	7,192	-	-	-	-	-	-
1997	232,125	210,199	21,900	-	-	-	-	-	-
1998	222,449	196,862	25,523	-	-	-	-	-	-
1999	247,952	220,124	27,825	-	-	-	-	-	-
2000	266,164	234,971	30,126	-	-	59	-	-	-
2001	270,338	241,211	27,634	-	-	55	188	-	-
2002	289,000	254,537	27,354	-	86	-	1,157	-	-
2003	297,996	249,407	28,666	153	1,750	522	1,822	1,700	-
2004	329,941	249,717	29,655	-	4,095	79	3,587	66	-
2005	293,823	256,242	5,781	1,864	5,174	47	6,855	878	-
2006	76,065	24,773	5,373	3,593	5,338	240	9,746	1,019	-
2007	89,781	34,585	5,808	5,365	5,177	316	8,892	927	-
2008	97,471	36,741	5,668	5,967	5,619	409	8,858	692	-
2009	116,243	39,877	4,609	7,986	5,171	1,233	8,339	69	-
2010	166,865	52,064	5,268	11,927	5,201	1,192	7,460	572	-
2011	245,756	75,622	8,335	24,979	4,740	1,118	7,259	473	-
2012	326,789	78,688	19,260	26,783	4,097	1,189	6,522	407	-
2013	325,785	71,803	17,905	23,272	3,606	1,039	5,448	387	-
2014	295,813	71,881	16,341	25,038	3,958	988	4,635	369	-
2015	294,980	87,620	14,825	21,355	3,637	984	4,373	262	-
2016	285,311	90,343	16,453	21,323	3,407	1,059	4,928	243	-
2017	370,207	120,039	51,994	18,002	3,281	1,045	4,621	356	-
2018	387,571	120,919	69,655	18,179	3,183	1,065	4,444	633	4
2019	144,768	34,739	7,813	8,548	2,691	889	4,363	15,416	-
2020	102,848	36,979	7,492	8,813	3,034	2,115	3,213	334	-
2021	117,527	36,468	10,361	7,489	2,653	2,455	1,281	370	-

자료: 한국도시가스협회

## 2-6. City Gas Consumption for CHP

Unit: 1,000m³

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
-	-	-	-	-	-	-	-	-	1993
-	-	-	-	-	-	-	-	-	1994
-	-	-	-	-	-	-	-	-	1995
-	-	-	-	-	-	-	-	-	1996
26	-	-	-	-	-	-	-	-	1997
64	-	-	-	-	-	-	-	-	1998
3	-	-	-	-	-	-	-	-	1999
1,008	-	-	-	-	-	-	-	-	2000
1,250	-	-	-	-	-	-	-	-	2001
3,223	-	-	-	-	-	-	2,643	-	2002
7,217	-	-	-	237	-	-	6,522	-	2003
23,511	-	-	1,031	3,036	-	64	15,100	-	2004
6,017	596	87	2,376	2,089	-	2,025	3,792	-	2005
8,861	2,279	160	4,226	2,088	-	4,178	4,191	-	2006
9,301	2,521	379	5,384	2,337	453	3,991	4,345	-	2007
11,377	2,486	840	5,906	3,664	507	4,849	3,888	-	2008
13,851	2,458	1,690	9,355	7,473	4,225	6,482	3,425	-	2009
32,683	2,546	2,032	25,231	7,912	1,582	6,769	4,426	-	2010
71,173	2,380	2,060	28,213	7,724	1,590	5,322	4,768	-	2011
122,974	2,247	2,058	41,868	5,451	4,744	5,933	4,568	-	2012
146,492	1,914	1,474	36,093	5,051	1,029	6,230	4,042	-	2013
131,577	1,857	754	22,470	5,148	1,128	5,700	3,969	-	2014
133,576	1,940	71	11,543	5,343	454	5,227	3,770	-	2015
119,540	1,880	73	13,363	3,090	532	4,240	4,837	-	2016
140,444	1,983	48	14,177	2,543	2,297	4,881	4,496	-	2017
136,681	1,694	19	18,479	3,050	661	4,244	4,661	-	2018
39,425	1,415	1	19,108	3,045	689	1,974	4,654	-	2019
18,512	1,169	-	10,716	3,007	1,625	1,130	4,710	-	2020
32,085	1,068	-	9,920	5,800	1,357	1,735	4,486	-	2021

Source: Korea City Gas Association

## 2-7. 집단용 도시가스 소비

단위: 1,000m³

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
2005	170,362	40,812	28,147	752	6,869	91	7,041	873	-
2006	430,992	292,423	29,824	3,538	14,609	173	8,828	688	-
2007	470,958	330,272	27,889	4,732	17,548	310	9,655	623	-
2008	532,285	348,207	28,234	6,568	27,167	1,893	13,361	808	-
2009	512,184	336,553	25,696	6,475	36,819	9,375	17,360	731	-
2010	591,877	381,415	26,058	8,435	37,894	5,345	22,354	53	-
2011	631,383	343,267	24,679	13,615	34,186	222	62,085	-	-
2012	822,874	334,260	24,533	16,485	34,876	14	130,015	-	-
2013	733,179	314,019	25,517	9,510	24,566	80	107,417	-	8,348
2014	568,180	273,198	28,677	11,591	23,781	57	36,976	-	606
2015	473,534	233,969	26,354	8,285	6,558	158	23,891	-	3,192
2016	430,057	169,953	26,289	9,383	5,705	267	28,191	-	6,015
2017	450,098	173,545	22,448	9,308	5,006	3,186	30,407	-	2,180
2018	601,144	211,615	17,413	10,329	12,963	3,397	50,509	21,055	1,176
2019	550,767	165,335	11,814	9,201	9,901	3,081	55,159	32,112	12,547
2020	470,940	141,082	14,696	8,193	8,256	2,507	51,994	40,598	7,535
2021	504,070	165,288	16,289	8,596	12,358	2,535	32,010	63,960	4,213

자료: 한국도시가스협회

## 2-7. City Gas Consumption for Group Energy

Unit: 1,000m³

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
51,202	856	-	3,267	3,085	-	2,182	25,185	-	2005
41,334	2,398	190	3,921	2,845	-	3,607	26,614	-	2006
39,826	2,361	510	5,013	1,724	313	3,500	26,682	-	2007
62,855	2,300	1,060	5,543	1,693	304	3,743	28,549	-	2008
34,223	2,214	1,981	5,457	1,606	2,555	3,553	27,586	-	2009
60,028	2,320	2,360	6,269	1,100	2,572	3,738	31,936	-	2010
105,325	2,200	2,391	5,035	1,168	1,805	3,790	31,615	-	2011
208,775	2,291	2,515	14,196	2,161	5,281	12,182	35,290	-	2012
161,543	2,332	2,670	6,682	4,038	3,586	15,797	47,074	-	2013
104,129	2,082	2,720	12,533	2,287	11,787	15,399	42,357	-	2014
76,591	2,050	2,837	24,744	9,097	1,979	14,829	39,000	-	2015
81,332	2,343	1,005	34,262	5,924	8,580	11,020	39,788	-	2016
84,491	2,587	1,094	45,015	3,909	10,493	10,930	45,499	-	2017
91,022	2,050	1,158	59,457	2,892	15,114	13,510	87,484	-	2018
61,930	1,433	1,103	54,711	3,250	15,997	26,223	86,969	-	2019
29,698	1,025	1,028	59,695	2,127	16,266	20,609	65,632	-	2020
55,257	785	1,021	18,306	3,091	21,953	23,604	74,804	-	2021

Source: Korea City Gas Association

## 2-8. 수송용 도시가스 소비

단위: 1,000m³

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
2001	10,467	3,083	675	1,873	321	570	769	156	-
2002	75,913	19,878	1,846	8,283	4,135	4,560	4,987	4,035	-
2003	138,657	32,577	1,956	18,882	11,208	11,572	6,398	4,204	-
2004	225,528	50,570	1,992	27,741	22,182	16,706	9,123	6,861	-
2005	323,097	71,691	3,521	29,785	36,328	22,511	9,924	13,891	-
2006	452,519	100,480	6,845	35,332	59,649	28,545	11,716	20,452	-
2007	582,779	148,409	10,317	37,756	81,513	28,530	12,742	22,844	-
2008	736,302	199,721	26,366	42,500	93,187	30,364	14,943	24,994	-
2009	909,794	243,824	43,266	51,524	100,759	34,219	18,550	28,082	-
2010	1,053,740	276,530	65,192	57,696	107,850	38,699	21,499	29,216	-
2011	1,113,043	280,111	78,359	59,299	109,090	39,325	21,699	31,055	-
2012	1,194,959	286,799	95,006	61,888	109,369	40,168	24,247	31,057	-
2013	1,258,984	291,880	103,938	68,054	106,914	40,604	33,254	32,064	-
2014	1,266,312	281,792	110,875	67,042	104,360	39,527	34,432	34,590	-
2015	1,246,534	270,613	114,312	64,208	98,887	41,771	33,957	33,587	-
2016	1,237,773	274,919	113,908	64,353	95,443	41,175	33,938	33,765	-
2017	1,228,106	271,420	113,779	65,370	94,957	39,148	35,499	33,655	-
2018	1,215,914	270,215	112,167	63,751	98,210	37,081	36,499	33,480	-
2019	1,190,980	261,579	106,528	63,353	95,333	35,194	36,749	33,276	1,707
2020	1,076,596	248,429	96,544	59,623	82,403	31,072	33,506	31,387	4,556
2021	1,039,193	238,363	91,218	58,783	76,503	30,779	33,882	30,960	5,059

자료: 한국도시가스협회

## 2-9. 연료전지용 도시가스 소비

단위: 1,000m³

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
2019	194,023	65,520	61,998	7,863	94	147	499	39	16
2020	295,268	76,823	47,685	1,268	3,231	161	1,305	2	36
2021	481,061	90,973	50,672	2,239	62,625	297	2,577	1,362	40

자료: 한국도시가스협회



## 2-8. City Gas Consumption for Transport

Unit: 1,000m³

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
2,962	-	-	-	58	-	-	-	-	2001
22,011	-	-	-	2,452	-	-	3,726	-	2002
39,835	-	-	-	780	4,343	-	6,902	-	2003
60,619	157	2,657	4,515	7,613	-	-	14,792	-	2004
83,826	1,421	4,384	7,366	12,083	3,083	3,950	19,333	-	2005
111,725	4,279	8,717	8,872	16,895	9,038	4,372	25,602	-	2006
145,195	5,373	10,689	9,775	18,439	11,248	9,718	30,231	-	2007
189,250	6,607	12,460	11,151	21,124	12,744	17,002	33,889	-	2008
249,328	8,522	13,870	12,456	23,252	14,949	24,210	42,983	-	2009
295,020	10,807	15,988	13,767	24,538	17,257	28,500	51,181	-	2010
318,897	12,326	16,715	14,053	23,663	19,703	31,229	57,519	-	2011
352,337	13,649	17,811	14,952	25,491	23,375	35,055	63,755	-	2012
375,830	14,836	19,486	15,126	29,311	24,240	37,239	66,208	-	2013
383,609	15,647	20,588	14,472	29,525	25,303	37,622	66,928	-	2014
377,642	16,364	20,630	14,461	28,379	26,255	37,961	67,507	-	2015
367,914	16,655	20,780	14,482	28,298	27,534	38,226	66,383	-	2016
362,871	18,862	21,179	14,869	27,489	28,478	38,118	62,412	-	2017
353,408	16,124	21,571	15,386	28,609	29,473	38,259	61,681	-	2018
351,469	14,211	20,934	15,353	28,782	29,540	37,165	59,807	-	2019
304,443	11,411	16,896	14,114	26,720	26,991	33,716	54,785	-	2020
295,487	10,021	17,952	13,410	25,655	26,217	33,904	50,999	-	2021

Source: Korea City Gas Association

## 2-9. City Gas Consumption for Fuel Cell

Unit: 1,000m³

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
53,926	140	5	592	331	12	2,404	437	-	2019
133,320	7,820	16	9,813	730	4,258	5,669	3,127	3	2020
193,554	22,095	8,544	9,559	1,311	25,103	6,042	4,062	5	2021

Source: Korea City Gas Association

2-10. 도시가스 보급률<sup>1</sup>

단위: %

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
1991	19.0	22.0	10.1	13.9	28.0	17.9	14.3	18.1	-
1992	21.7	28.8	13.4	17.7	29.7	23.4	17.3	16.5	-
1993	27.0	36.4	16.4	21.1	35.2	26.3	25.1	17.3	-
1994	33.1	46.6	18.0	24.7	40.5	29.3	30.1	20.8	-
1995	37.2	54.4	21.1	26.3	43.3	31.9	34.6	24.6	-
1996	40.1	60.8	24.9	31.0	47.3	35.9	37.2	26.8	-
1997	44.1	67.2	27.1	35.1	55.9	41.3	39.6	28.6	-
1998	48.8	73.6	30.5	38.0	62.6	44.7	42.6	33.6	-
1999	53.1	78.6	33.8	41.1	65.0	50.9	50.1	37.7	-
2000	55.6	82.4	36.4	44.0	71.4	53.2	55.0	42.8	-
2001	59.2	85.3	39.2	47.7	76.4	56.2	60.0	47.2	-
2002	62.6	87.2	41.8	53.4	81.6	60.8	64.0	51.8	-
2003	64.0	88.9	45.7	59.2	83.3	63.6	66.4	67.0	-
2004	65.5	89.4	49.6	57.6	85.4	63.4	67.8	61.2	-
2005	65.6	88.7	53.1	59.9	85.9	66.4	68.8	66.7	-
2006	67.0	87.4	56.6	63.4	85.3	69.4	76.4	69.1	-
2007	68.2	86.9	61.2	65.9	85.8	73.4	79.8	70.3	-
2008	69.8	86.8	65.6	70.1	86.8	80.6	83.4	75.7	-
2009	71.2	87.5	68.6	73.1	88.0	84.8	85.9	79.0	-
2010	72.2	89.6	69.4	74.9	88.9	87.6	87.3	80.9	-
2011	75.0	92.3	72.6	77.8	91.5	91.2	90.7	83.8	-
2012	76.5	93.0	76.2	81.7	89.5	94.2	92.1	86.3	-
2013	78.6	95.4	79.8	84.6	89.6	96.6	92.8	87.8	52.5
2014	79.4	95.6	82.9	87.5	90.4	99.7	93.4	89.2	72.2
2015	80.8	96.6	85.4	90.7	91.2	95.8	94.1	90.7	79.1
2016	82.0	98.0	87.6	94.0	92.0	97.6	94.4	91.8	79.3
2017	83.1	98.6	89.9	95.7	92.8	99.3	94.6	93.2	81.4
2018	84.4	98.2	92.3	96.4	92.9	99.9	94.8	93.9	81.0
2019	85.0	98.2	94.8	97.1	92.5	100.2	95.1	95.0	80.1
2020	84.7	97.6	95.5	97.3	91.1	99.7	95.3	95.9	76.9
2021	84.7	98.5	96.8	97.4	90.6	100.0	95.4	96.2	72.9

1. 보급률 = 수용가수 ÷ 공급권역내총가구수  
 자료: 한국도시가스협회

## 2-10. City Gas Supply Rate by Region

Unit: %

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
20.4	20.0	16.1	-	16.0	18.3	11.2	20.4	-	1991
15.2	20.5	15.8	-	16.6	22.7	17.3	25.2	-	1992
22.7	25.1	19.7	0.7	21.0	26.5	21.3	23.4	-	1993
29.0	31.2	23.8	3.6	25.1	27.7	26.2	27.5	-	1994
34.9	22.8	23.3	6.3	26.7	28.7	22.8	28.8	-	1995
39.6	15.1	25.6	5.5	29.9	31.4	18.7	31.6	-	1996
44.4	17.8	30.0	8.2	33.1	33.0	15.1	33.2	-	1997
51.7	20.1	32.7	9.9	36.3	31.7	19.0	36.5	-	1998
57.7	23.1	35.9	12.2	39.7	32.5	22.8	36.3	-	1999
63.0	24.0	38.2	11.1	41.7	33.6	25.3	37.3	-	2000
68.1	25.9	44.3	14.1	44.8	35.2	27.6	40.7	-	2001
71.5	29.4	48.5	16.6	49.5	38.1	30.9	45.9	-	2002
72.6	31.0	39.6	19.1	52.3	37.3	30.6	37.7	-	2003
73.9	33.1	41.1	21.9	46.5	41.0	41.2	44.4	-	2004
75.1	35.0	42.4	24.9	49.6	37.3	42.7	45.1	0.7	2005
75.2	37.2	46.0	29.0	52.8	39.3	45.9	47.1	2.3	2006
75.0	39.2	50.3	32.0	56.2	40.5	49.8	48.5	2.5	2007
76.4	39.2	45.6	35.8	59.7	42.9	50.8	52.1	2.6	2008
77.5	42.5	47.7	39.1	53.9	45.8	51.0	54.8	3.0	2009
79.1	39.5	51.1	41.7	54.1	48.7	46.8	56.3	4.3	2010
81.2	48.0	53.4	45.3	58.1	50.2	48.9	58.4	5.6	2011
84.0	47.4	56.2	48.8	59.3	44.0	51.5	60.2	6.2	2012
85.7	49.7	59.1	52.2	62.1	45.1	53.8	61.8	9.3	2013
85.5	46.2	61.8	54.8	64.3	47.0	56.1	63.7	10.1	2014
86.3	47.1	63.5	57.7	66.1	48.4	59.1	66.4	11.6	2015
87.0	47.8	62.9	61.2	68.0	49.8	61.6	67.4	12.6	2016
87.9	49.7	65.6	64.5	69.0	51.3	63.7	71.8	9.2	2017
88.1	52.5	66.8	67.3	70.0	53.4	65.9	75.3	14.0	2018
87.7	54.0	67.5	68.8	71.0	55.6	66.9	78.3	14.3	2019
86.0	55.5	68.2	70.0	71.8	57.1	67.6	79.0	15.1	2020
84.9	53.6	69.1	70.9	73.2	58.8	68.6	79.2	16.8	2021

1. City gas using distribution rate=Number of customers ÷ Number of households  
Source: Korea City Gas Association

## 2-11. 도시가스 수요가 수

## City Gas Customers

단위: 개

Unit: each

	합계 Total	가정용 Residential	일반용 Commercial	업무용 Business	산업용 Industry	열병합·집단에너지 CHP-Group energy	수송용 <sup>1</sup> Transportation <sup>1</sup>	연료전지용 Fuel cell
1996	4,990,458	4,903,368	59,779	24,950	2,352	9	-	-
1997	5,741,890	5,631,468	74,379	33,147	2,886	10	-	-
1998	6,485,589	6,350,104	87,321	44,856	3,295	13	-	-
1999	7,215,116	7,054,634	103,409	53,230	3,826	17	-	-
2000	7,926,604	7,733,607	128,309	59,937	4,729	22	-	-
2001	8,691,061	8,455,568	154,484	75,445	5,458	23	83	-
2002	9,496,426	9,202,275	189,067	98,693	6,220	31	140	-
2003	10,217,829	9,840,498	235,348	133,826	7,925	44	188	-
2004	10,888,346	10,408,296	280,311	190,621	8,762	71	285	-
2005	11,543,363	10,966,459	314,754	252,264	9,624	193	69	-
2006	12,141,179	11,511,445	333,643	285,634	10,098	279	80	-
2007	12,722,339	12,037,675	358,483	314,944	10,796	337	104	-
2008	13,360,719	12,635,177	375,698	337,489	11,804	421	130	-
2009	13,933,250	13,145,581	399,851	374,906	12,307	465	140	-
2010	14,532,384	13,881,781	416,163	220,887	12,766	634	153	-
2011	15,160,397	14,486,948	436,827	222,145	13,523	691	263	-
2012	15,760,085	15,054,255	469,967	220,314	14,476	901	172	-
2013	16,378,933	15,627,644	507,251	228,000	14,827	1,030	181	-
2014	16,883,279	16,129,913	508,750	228,184	15,078	1,159	195	-
2015	17,391,950	16,617,294	531,086	227,026	15,044	1,306	194	-
2016	17,970,513	17,177,455	552,703	223,783	14,979	1,403	190	-
2017	18,567,034	17,746,992	574,977	228,158	15,081	1,634	192	-
2018	19,135,289	18,305,552	587,625	224,968	14,999	1,950	195	-
2019	19,658,997	18,814,512	602,705	223,885	15,439	426	196	1,834
2020	20,125,278	19,257,295	629,449	220,119	15,598	402	195	2,220
2021	20,530,149	19,640,701	652,009	220,050	14,329	385	193	2,482
서울 Seoul	4,638,713	4,357,591	183,268	96,142	944	116	31	621
부산 Busan	1,564,067	1,495,405	62,309	5,477	844	16	14	2
대구 Daegu	1,065,192	1,036,211	20,777	6,978	1,117	48	9	52
인천 Incheon	1,208,949	1,164,556	30,382	13,064	829	18	15	85
광주 Gwangju	670,086	645,814	17,328	6,136	681	4	6	117
대전 Daejeon	660,076	634,123	19,577	6,106	198	8	5	59
울산 Ulsan	486,059	464,252	18,002	3,476	308	4	6	11
세종 Sejong	116,315	111,971	3,509	741	79	1	1	13
경기 Gyeonggi	5,162,366	4,955,986	151,322	49,650	4,011	95	64	1,238
강원 Gangwon	418,890	403,730	11,416	3,396	321	5	4	18
충북 Chungbuk	542,691	525,865	10,823	5,306	664	6	3	24
충남 Chungnam	731,455	710,664	14,371	5,611	674	13	2	120
전북 Jeonbuk	630,372	611,303	13,508	4,828	701	13	7	12
전남 Jeonnam	508,582	490,681	13,995	3,116	738	9	8	35
경북 Gyeongbuk	884,908	856,443	21,048	6,311	1,054	9	6	37
경남 Gyeongnam	1,205,013	1,140,277	60,079	3,422	1,166	20	12	37
제주 Jeju	36,415	35,829	295	290	-	-	-	1

1. 2005년 부터 종전 버스업체 수에서 충전소 개수로 기준변경  
 자료: 한국도시가스협회

1. Changed the standard from the number of bus corporations to the number of  
 charging stations since 2005.  
 Source: Korea City Gas Association



## 5. 전 력

### Electricity

1. 지역별 발전량  
Power Generation by Region
2. 수력 발전량  
Hydro Power Generation
3. 원자력 발전량  
Nuclear Power Generation
4. 지역별 전력 소비  
Electricity Consumption by Region
5. 전력 고객호수  
Electricity Customers
6. 발전설비 용량  
Generating Facilities
7. 변전소 설비  
Number of Substation Facilities
8. 부문별 전력 소비  
Electricity Consumption by Use
9. 배전 설비  
Distribution Facilities
10. 용도별 전력 단가  
Average Price per kWh by Use

## 1. 지역별 발전량

단위: GWh

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
1991	118,542	2,364	1,393	6	7,217	-	-	-	-
1992	130,963	2,349	1,835	6	11,229	-	-	-	-
1993	144,437	1,783	1,728	3	13,849	-	-	-	-
1994	164,992	1,951	2,081	1	16,096	-	-	-	-
1995	184,661	1,850	1,928	2	16,684	-	-	-	-
1996	205,494	1,870	2,123	2	19,159	-	-	-	-
1997	224,445	1,886	23,871	82	24,187	-	57	-	-
1998	215,300	1,058	25,329	117	15,016	-	141	6,006	-
1999	239,325	1,025	24,325	187	16,769	-	320	6,378	-
2000	266,400	1,259	26,053	130	15,815	-	243	10,214	-
2001	285,224	1,195	25,831	123	17,380	-	208	11,714	-
2002	306,474	1,075	26,626	122	22,608	-	214	10,570	-
2003	322,452	884	28,267	118	21,735	1	182	10,072	-
2004	342,148	810	36,169	135	27,945	14	265	11,656	-
2005	364,639	903	35,780	145	33,727	13	217	10,581	-
2006	381,181	1,250	36,527	138	39,146	17	217	10,425	-
2007	403,125	1,599	35,739	131	44,781	11	235	11,182	-
2008	422,355	1,165	37,657	114	49,316	8	203	8,103	-
2009	433,604	845	36,059	124	54,308	5	188	8,466	-
2010	474,660	1,546	40,886	147	62,767	38	196	10,150	-
2011	496,893	1,384	39,131	198	68,953	37	156	10,750	-
2012	509,574	1,981	35,685	264	76,387	138	239	14,609	-
2013	517,148	2,184	38,074	302	80,861	582	232	14,049	-
2014	521,971	799	37,425	513	73,425	400	152	9,962	-
2015	528,091	769	47,219	2,816	68,378	383	169	9,065	9
2016	540,441	874	51,007	3,106	65,939	429	187	13,583	2,841
2017	553,530	842	26,551	2,674	62,556	480	185	22,677	3,052
2018	570,647	641	38,496	2,649	62,929	514	184	20,589	3,718
2019	563,040	1,847	37,528	2,878	60,053	562	168	29,016	2,464
2020	552,162	5,122	40,647	2,569	57,136	610	168	29,809	3,553
2021	576,809	5,344	40,354	2,812	60,506	644	182	31,504	3,777

자료: 한국전력공사

## 1. Power Generation by Region

Unit: GWh

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
8,368	3,777	991	9,514	875	19,772	20,272	43,340	652	1991
10,299	4,626	717	10,091	1,344	21,040	20,487	46,101	840	1992
12,926	4,266	1,209	15,223	910	20,558	21,684	49,377	921	1993
18,537	3,551	594	22,734	1,201	23,377	20,096	53,707	1,067	1994
22,191	4,431	828	28,502	2,497	28,896	21,246	54,402	1,204	1995
25,042	4,827	631	34,423	2,804	35,978	21,081	56,206	1,347	1996
23,995	4,569	885	39,332	2,326	36,246	24,908	40,630	1,470	1997
15,895	4,983	1,194	38,703	1,551	33,520	35,219	35,310	1,257	1998
17,429	5,437	1,147	45,335	1,276	33,106	49,754	35,819	1,018	1999
18,992	5,894	1,105	52,923	1,481	35,506	53,326	42,306	1,153	2000
19,610	5,171	516	60,807	1,325	38,488	53,996	47,465	1,394	2001
18,144	4,934	971	69,837	1,253	46,273	52,705	49,638	1,505	2002
18,504	5,414	1,652	72,764	1,547	52,695	56,595	50,522	1,498	2003
15,715	5,166	1,414	77,673	932	50,433	61,887	50,285	1,649	2004
17,541	4,707	1,308	78,028	987	57,241	71,230	50,392	1,839	2005
16,694	5,263	1,189	82,800	797	60,748	73,967	49,931	2,074	2006
19,095	5,714	1,230	96,254	689	60,025	72,787	51,299	2,353	2007
17,731	6,823	917	107,216	1,023	61,137	76,122	52,455	2,363	2008
17,546	7,515	826	107,225	1,072	65,612	71,951	59,177	2,684	2009
22,204	8,935	1,150	118,272	4,295	68,153	70,622	62,568	2,734	2010
23,791	12,047	1,580	118,041	7,181	69,481	71,706	69,579	2,878	2011
28,547	11,583	1,265	118,764	7,765	64,462	70,202	74,602	3,081	2012
30,310	12,206	1,285	121,230	7,928	67,705	68,716	68,300	3,182	2013
28,778	10,011	808	122,695	7,619	77,493	73,126	75,685	3,081	2014
45,076	8,067	687	114,076	6,540	78,461	84,608	58,740	3,029	2015
57,085	10,599	1,156	111,645	9,674	69,055	81,885	58,253	3,123	2016
61,851	20,912	1,294	131,897	9,716	66,048	84,097	55,566	3,134	2017
74,189	30,981	1,627	129,632	11,743	60,066	76,125	53,192	3,371	2018
73,977	28,716	1,604	123,905	12,282	55,754	79,827	48,465	3,995	2019
72,513	27,875	2,221	114,104	12,600	58,217	85,866	35,333	3,822	2020
82,233	30,623	2,205	111,229	14,322	61,841	81,382	43,885	3,968	2021

Source: Korea Electric Power Corporation

## 2. 수력 발전량

## 2. Hydro Power Generation

단위: GWh

Unit: GWh

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong	경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju
1991	5,051	-	-	-	-	-	-	-	-	1,273	1,251	991	9	140	78	177	1,132	-
1992	4,863	-	-	-	-	-	-	-	-	1,357	1,267	717	8	77	61	142	1,235	-
1993	6,006	-	-	-	-	-	-	-	-	1,431	1,587	1,209	9	171	66	272	1,261	-
1994	4,098	-	-	-	-	-	-	-	-	1,101	835	594	6	69	41	167	1,286	-
1995	5,478	-	-	-	-	-	-	-	-	1,099	1,253	828	5	953	80	67	1,194	-
1996	5,201	-	-	-	-	-	-	-	-	1,067	961	632	7	1,324	63	134	1,015	-
1997	5,404	-	-	-	-	-	-	-	-	933	1,010	885	9	1,041	88	205	1,233	-
1998	6,099	-	-	-	-	-	-	-	-	1,063	1,489	1,194	11	939	153	329	922	-
1999	6,066	-	-	-	-	-	-	-	-	1,065	1,381	1,148	13	734	147	311	1,268	-
2000	5,610	-	-	-	-	-	-	-	-	855	1,324	1,105	11	957	142	249	968	-
2001	4,151	-	-	-	-	-	-	-	-	731	785	490	10	876	100	125	1,034	-
2002	5,311	-	-	-	-	-	-	-	-	708	921	882	13	782	101	296	1,609	-
2003	6,887	-	-	-	-	-	-	-	-	919	1,136	1,535	15	977	145	467	1,693	-
2004	5,861	-	-	-	-	-	-	0.1	-	822	1,206	1,270	10	786	128	358	1,281	-
2005	5,189	-	-	-	-	-	-	0.6	-	878	940	1,126	14	835	122	178	1,096	-
2006	5,219	-	-	-	-	-	-	2	-	727	1,359	1,005	13	637	105	303	1,068	-
2007	5,042	-	-	-	-	-	-	1.5	-	804	1,396	1,027	12	512	117	493	680	-
2008	5,563	-	-	-	8	-	-	2	-	733	1,652	720	19	661	87	638	1,041	-
2009	5,641	-	-	-	12	-	-	1.6	-	747	1,870	623	25	584	65	629	1,083	-
2010	6,472	-	-	-	11	-	-	1	-	1,212	1,768	948	65	757	137	759	814	-
2011	7,831	-	-	4	16	-	-	1	-	861	1,997	1,371	55	834	123	1,045	1,343	-
2012	7,695	-	-	12	25	2	-	2	-	956	1,572	1,053	100	830	118	1,653	1,331	-
2013	8,543	-	-	17	25	-	-	4	-	1,106	2,009	1,021	108	942	128	1,621	1,482	-
2014	7,820	-	-	17	34	-	-	1	-	863	1,613	592	99	982	142	1,834	1,641	-
2015	5,796	-	-	14	40	4	-	2	-	582	1,229	350	85	751	104	1,188	1,332	-
2016	6,634	1	0	16	43	8	-	1	8	747	1,326	625	82	637	133	1,598	1,407	2
2017	6,995	1	0	5	44	9	-	1	7	816	1,588	661	79	794	67	1,667	1,254	2
2018	7,270	1	0	4	35	8	-	1	0	981	1,708	862	77	757	78	1,581	1,176	2
2019	6,247	2	0	4	40	7	-	1	-	851	1,548	628	77	751	94	1,473	769	3
2020	7,148	1	0	13	40	8	-	1	-	945	1,967	1,010	61	890	114	989	1,106	3
2021	6,737	1	0	15	40	8	-	1	-	959	1,654	731	57	872	86	759	1,551	3

자료: 한국전력공사 「한국전력통계」  
KOREA,

Source: Korea Electric Power Corporation 「STATISTICS OF ELECTRIC POWER IN



## 3. 원자력 발전량

## 3. Nuclear Power Generation

단위: GWh

Unit: GWh

	전국 Total	부산 Busan	울산 Ulsan	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam
1991	56,311	-	-	13,999	20,061	22,251
1992	56,530	-	-	13,971	19,942	22,618
1993	58,138	-	-	14,264	20,849	23,025
1994	58,651	-	-	16,350	19,306	22,905
1995	67,029	23,598	-	22,764	20,667	-
1996	73,924	24,177	-	29,367	20,380	-
1997	77,086	22,586	-	30,322	24,177	-
1998	89,689	24,933	-	30,357	34,399	-
1999	103,064	24,281	-	29,897	48,886	-
2000	108,964	26,005	-	30,331	52,628	-
2001	112,133	25,777	-	32,953	53,403	-
2002	119,103	26,552	-	40,739	51,812	-
2003	129,672	26,562	-	47,559	55,551	-
2004	130,715	26,027	-	43,767	60,920	-
2005	146,779	26,441	-	49,985	70,353	-
2006	148,749	25,764	-	50,048	72,936	-
2007	142,937	23,795	-	47,600	71,543	-
2008	150,958	26,522	-	49,763	74,673	-
2009	147,771	26,543	-	50,931	70,297	-
2010	148,596	29,200	-	50,731	68,665	-
2011	154,723	35,522	-	50,497	68,703	-
2012	150,327	37,174	-	46,479	66,674	-
2013	138,784	29,648	-	44,381	64,755	-
2014	156,407	42,008	-	45,274	69,125	-
2015	164,762	41,059	-	42,609	81,095	-
2016	161,995	42,144	3,047	43,222	73,582	-
2017	148,427	20,733	13,007	37,925	76,762	-
2018	133,505	29,812	6,341	29,824	67,528	-
2019	145,910	30,976	17,941	25,170	71,823	-
2020	160,184	33,758	18,997	28,801	78,628	-
2021	158,015	32,412	19,589	31,951	74,063	-

자료: 한국전력공사 「한국전력통계」

Source: Korea Electric Power Corporation 「STATISTICS OF ELECTRIC POWER IN KOREA」

## 4. 지역별 전력 소비

단위: GWh

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
1996	182,470	25,686	10,885	8,327	11,189	3,104	3,792	-	-
1997	200,784	27,315	11,450	8,629	12,119	3,448	4,169	-	-
1998	193,470	26,162	10,948	8,279	11,569	3,372	4,139	-	-
1999	214,215	28,447	11,297	9,216	12,922	3,766	4,714	-	-
2000	239,535	31,395	12,409	10,190	14,195	4,279	5,289	17,236	-
2001	257,731	33,321	13,423	10,544	14,964	4,639	5,772	17,696	-
2002	278,451	34,883	14,270	11,220	16,100	5,091	6,211	18,825	-
2003	293,599	36,164	14,764	11,472	16,921	5,337	6,503	19,629	-
2004	312,096	38,214	15,479	11,904	17,649	5,762	6,896	20,576	-
2005	332,413	40,524	16,589	12,363	18,165	6,205	7,253	20,852	-
2006	348,719	41,824	17,219	12,622	18,695	6,441	7,506	21,556	-
2007	368,605	42,973	17,906	12,926	19,447	6,804	7,823	22,740	-
2008	385,070	44,096	18,709	13,265	19,915	7,045	8,088	24,132	-
2009	394,475	44,984	18,689	13,134	20,032	7,170	8,225	24,683	-
2010	434,160	47,295	20,264	14,480	21,828	7,860	8,867	26,516	-
2011	455,070	46,903	20,562	14,822	22,241	8,047	9,060	28,198	-
2012	466,593	47,234	20,665	14,955	22,652	8,130	9,160	29,363	579
2013	474,849	46,555	20,365	15,080	22,673	8,274	9,225	29,993	2,346
2014	477,592	45,019	19,981	14,859	22,578	8,197	9,103	30,115	2,437
2015	483,655	45,381	20,002	14,948	23,212	8,334	9,183	30,286	2,641
2016	497,039	46,493	20,467	15,268	23,876	8,558	9,380	32,095	2,802
2017	507,746	46,298	21,007	15,386	24,515	8,684	9,424	31,610	2,919
2018	526,149	47,810	21,217	15,676	24,922	8,774	9,649	33,748	3,088
2019	520,499	47,167	20,802	15,266	24,281	8,603	9,416	34,139	3,226
2020	509,270	45,788	20,504	14,759	23,639	8,531	9,405	33,158	3,393
2021	533,431	47,384	21,105	15,482	24,930	8,988	9,766	33,600	4,304
산업	282,665	1,565	7,306	5,554	11,798	2,917	2,426	27,951	1,820
수송	3,701	553	352	159	97	60	36	102	70
가정	77,558	14,656	4,975	3,461	4,587	2,216	2,103	1,639	612
상업	138,838	26,415	6,930	5,259	7,343	3,180	3,997	3,238	1,377
공공	30,668	4,195	1,543	1,050	1,105	615	1,204	671	424

주: 1999년 이전 울산은 경남에 포함.

자료: 한국전력공사

#### 4. Electricity consumption by region

Unit: GWh

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	개성 Gaeseong	
31,898	7,559	8,586	9,226	7,995	8,864	17,819	26,347	1,194	-	1996
35,250	8,069	9,363	10,292	8,734	11,494	20,361	28,769	1,320	-	1997
33,613	7,427	8,544	9,312	8,516	11,746	20,701	14,130	1,371	-	1998
38,032	8,214	9,513	10,521	9,428	13,160	22,537	15,206	1,472	-	1999
43,885	9,146	10,722	12,236	10,592	14,411	24,806	17,039	1,705	-	2000
48,583	10,228	11,648	13,835	11,248	15,654	25,926	18,295	1,955	-	2001
53,909	11,105	12,685	15,448	12,019	16,077	28,290	20,144	2,175	-	2002
57,940	11,900	13,052	17,585	12,412	16,671	29,582	21,303	2,364	-	2003
62,759	12,052	13,866	19,420	13,129	17,830	31,446	22,553	2,562	-	2004
68,750	12,379	14,464	22,449	13,593	18,803	33,161	24,094	2,768	-	2005
73,310	12,993	15,351	25,004	14,408	19,501	34,010	25,381	2,899	-	2006
78,107	13,568	16,678	28,051	15,166	20,341	36,250	26,788	3,038	-	2007
81,849	13,896	17,375	30,428	15,928	21,868	37,165	28,075	3,183	53	2008
83,743	13,992	17,592	32,115	16,684	23,589	37,983	28,393	3,352	113	2009
93,075	14,848	19,445	38,809	18,949	25,060	41,589	31,549	3,575	152	2010
96,845	15,876	20,453	42,650	21,168	27,137	44,167	33,071	3,710	159	2011
100,292	15,904	21,362	44,492	21,462	28,485	44,800	33,015	3,865	178	2012
102,227	15,795	21,665	45,467	21,709	30,302	45,444	33,531	4,095	103	2013
102,181	15,778	22,179	47,295	22,297	31,723	46,016	33,435	4,220	178	2014
105,048	16,207	22,949	47,286	22,087	32,638	44,957	33,876	4,430	191	2015
109,404	16,499	24,009	48,454	22,733	33,097	44,647	34,497	4,738	20	2016
114,848	16,553	24,844	50,180	22,800	33,562	45,456	34,648	5,014	-	2017
122,696	16,846	26,240	52,013	22,962	34,118	45,959	35,159	5,273	-	2018
123,022	16,368	26,732	52,645	22,281	32,385	44,315	34,472	5,374	4	2019
124,689	16,120	26,902	50,423	20,539	30,974	41,002	34,070	5,373	2	2020
133,622	16,834	28,425	48,830	21,505	33,508	44,297	35,786	5,767	-	2021
69,430	6,641	19,291	37,264	12,669	23,795	30,054	20,428	1,756	-	Industry
1,113	101	352	94	137	91	215	91	80	-	Transportation
20,775	2,290	2,386	3,185	2,589	2,579	3,709	4,826	971	-	Residential
34,637	6,140	4,738	6,867	4,874	5,403	8,270	8,435	2,441	-	Commercial
7,668	1,662	1,659	1,420	1,236	1,641	2,048	2,007	519	-	Public & Others

Note: Until 1999, Ulsan was a part of Gyeongnam area.  
Source: Korea Electric Power Corporation

## 5. 전력 고객호수

단위: 1,000호

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
1991	10,053	1,941	757	425	415	236	199	-	-
1992	10,748	2,088	813	452	438	260	224	-	-
1993	11,499	2,282	862	491	468	281	243	-	-
1994	12,161	2,384	926	525	499	313	260	-	-
1995	12,771	2,475	931	536	555	232	273	-	-
1996	13,330	2,562	988	625	600	345	285	-	-
1997	13,913	2,645	1,010	619	645	370	316	-	-
1998	14,102	2,677	1,021	631	651	367	317	-	-
1999	14,379	2,698	1,033	641	660	372	323	-	-
2000	14,976	2,724	1,049	664	685	374	334	281	-
2001	15,619	2,787	1,073	699	724	385	357	295	-
2002	16,490	2,899	1,105	735	783	403	388	309	-
2003	16,776	2,957	1,125	757	792	414	403	319	-
2004	17,062	2,978	1,135	766	793	417	410	325	-
2005	17,329	2,992	1,142	762	796	423	417	331	-
2006	17,625	3,005	1,144	765	800	430	422	336	-
2007	18,039	3,032	1,146	775	811	436	426	345	-
2008	18,419	3,036	1,147	786	823	444	433	354	-
2009	18,727	3,061	1,152	791	834	451	444	360	-
2010	19,229	3,127	1,168	801	863	463	465	373	-
2011	19,815	3,213	1,193	821	885	471	483	386	-
2012	20,476	3,298	1,218	839	905	484	505	402	68
2013	21,018	3,397	1,238	852	917	504	513	415	74
2014	21,532	3,441	1,253	870	936	517	522	428	80
2015	22,030	3,468	1,263	892	956	526	538	441	83
2016	22,553	3,506	1,271	919	978	532	557	451	86
2017	23,077	3,564	1,279	930	1,006	543	577	459	90
2018	23,502	3,605	1,282	941	1,021	545	585	465	92
2019	23,860	3,648	1,287	933	1,027	551	589	468	99
2020	24,198	3,692	1,288	933	1,033	553	591	471	101
2021	24,523	3,714	1,290	928	1,042	558	594	472	103

주: 1999년 이전 울산은 경남에 포함.  
 자료: 한국전력공사 「한국전력통계」

## 5. Electricity Customers

Unit: 1,000 Customers

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	개성 Gaeseong	
1,539	458	383	551	526	662	838	994	126	-	1991
1,656	473	413	572	551	696	888	1,087	137	-	1992
1,781	491	444	602	577	735	933	1,162	146	-	1993
1,915	517	473	634	600	766	973	1,221	155	-	1994
2,077	544	522	685	642	818	1,029	1,286	168	-	1995
2,145	563	535	705	642	830	1,011	1,316	177	-	1996
2,260	586	600	740	670	858	1,047	1,363	185	-	1997
2,320	600	572	758	675	868	1,067	1,388	191	-	1998
2,386	616	588	779	689	884	1,093	1,419	198	-	1999
2,496	648	633	818	766	927	1,179	1,189	207	-	2000
2,669	680	673	864	766	962	1,234	1,235	217	-	2001
2,869	708	711	916	850	1,004	1,296	1,285	229	-	2002
2,959	723	721	918	841	986	1,313	1,306	240	-	2003
3,037	741	736	943	851	998	1,345	1,336	249	-	2004
3,093	763	754	974	865	1,021	1,376	1,365	255	-	2005
3,159	787	775	1,006	886	1,036	1,416	1,396	261	-	2006
3,267	809	796	1,044	905	1,077	1,471	1,431	266	-	2007
3,365	832	821	1,077	927	1,107	1,524	1,473	271	0	2008
3,449	851	838	1,103	904	1,136	1,567	1,509	277	0	2009
3,547	869	866	1,141	944	1,160	1,607	1,552	283	0	2010
3,667	887	890	1,184	973	1,202	1,662	1,600	297	0	2011
3,785	909	917	1,171	1,022	1,251	1,729	1,661	311	0	2012
3,889	930	941	1,209	1,047	1,284	1,777	1,705	325	0	2013
3,998	951	964	1,243	1,109	1,309	1,827	1,744	339	0	2014
4,118	975	991	1,282	1,133	1,335	1,885	1,785	359	0	2015
4,249	1,001	1,016	1,317	1,155	1,365	1,937	1,829	385	-	2016
4,370	1,026	1,041	1,357	1,179	1,393	1,980	1,865	418	-	2017
4,483	1,062	1,066	1,390	1,193	1,423	2,016	1,889	442	0	2018
4,563	1,089	1,089	1,423	1,218	1,455	2,048	1,913	462	0	2019
4,616	1,113	1,108	1,452	1,243	1,497	2,087	1,936	485	0	2020
4,687	1,138	1,130	1,482	1,273	1,528	2,122	1,958	503	0	2021

Note: Until 1999, Ulsan was a part of Gyeongnam area.  
Source: Korea Electric Power Corporation 「STATISTICS OF ELECTRIC POWER IN KOREA」

## 6. 발전설비 용량

단위: MW

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
1991	21,111	457	330	-	1,565	-	-	-	-
1992	24,120	457	330	-	3,445	-	-	-	-
1993	27,654	457	330	-	3,445	-	-	-	-
1994	28,750	388	330	-	3,355	-	-	-	-
1995	32,184	388	330	-	3,655	-	-	-	-
1996	35,715	396	330	-	5,455	-	-	-	-
1997	41,042	388	3,347	-	6,330	-	-	-	-
1998	43,406	388	3,347	-	6,251	-	-	3,400	-
1999	46,978	388	3,347	-	6,406	-	-	3,400	-
2000	48,451	388	3,347	-	6,406	-	-	3,400	-
2001	50,859	388	3,347	-	6,408	-	-	3,400	-
2002	53,801	388	3,137	-	6,558	-	-	3,400	-
2003	56,053	459	4,062	44	6,714	2	91	3,400	-
2004	59,961	459	4,962	116	8,315	2	91	3,400	-
2005	62,258	459	4,964	116	8,809	3	91	3,401	-
2006	65,514	459	4,964	116	8,810	4	91	3,401	-
2007	68,268	459	4,964	116	8,835	4	91	3,401	-
2008	72,491	459	4,965	116	10,629	3	91	3,401	-
2009	73,470	462	4,965	121	10,491	8	91	3,401	-
2010	76,078	465	4,968	130	10,688	10	92	3,403	-
2011	79,342	473	4,975	136	11,861	9	140	3,403	-
2012	81,806	475	6,978	138	11,872	14	143	3,403	-
2013	86,969	487	7,043	149	12,352	132	145	3,894	-
2014	93,216	517	7,059	529	13,930	147	151	3,283	-
2015	97,649	529	7,072	537	13,856	175	155	3,284	550
2016	105,866	408	7,084	543	13,871	190	152	4,704	560
2017	116,908	162	6,570	546	13,891	212	157	5,162	566
2018	119,092	165	6,587	558	13,939	246	166	5,170	572
2019	125,338	908	6,598	581	14,002	293	172	6,581	582
2020	129,191	946	6,614	587	14,074	314	174	6,603	595
2021	134,020	948	6,648	613	14,173	344	184	6,642	602

자료: 전력거래소, 한국전력공사

## 6. Generating Facilities

Unit: MW

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
1,966	1,218	508	1,402	413	2,987	2,681	7,411	173	1991
3,032	1,221	508	1,402	413	2,993	2,731	7,331	258	1992
4,499	1,225	508	2,902	416	2,993	2,731	7,891	258	1993
4,660	1,225	508	3,402	417	2,993	2,731	8,438	303	1994
5,085	1,225	508	4,402	1,017	3,993	2,731	8,528	322	1995
5,185	1,225	508	4,402	1,017	4,996	2,727	9,128	347	1996
5,320	1,225	508	6,302	1,017	4,997	3,435	7,791	382	1997
5,169	1,125	508	6,602	708	4,935	5,136	5,455	382	1998
5,183	1,325	508	7,603	708	4,935	6,838	5,955	383	1999
5,183	1,326	508	8,425	708	4,935	6,838	6,455	533	2000
5,183	1,326	508	9,604	733	4,937	6,837	7,657	533	2001
5,183	1,226	508	10,704	733	6,936	6,840	7,657	533	2002
5,411	1,226	569	11,211	761	6,967	6,930	7,700	505	2003
5,412	1,231	571	11,212	700	7,325	7,954	7,700	511	2004
5,412	1,260	571	11,712	701	7,526	8,982	7,701	550	2005
5,413	2,337	571	12,212	702	8,520	9,583	7,701	632	2006
5,921	2,340	573	14,213	762	8,581	9,593	7,706	709	2007
5,932	2,384	573	15,773	824	8,653	9,718	8,219	751	2008
5,968	2,389	583	15,985	886	8,807	9,752	8,731	829	2009
6,125	3,250	585	16,159	1,744	9,091	9,781	8,745	842	2010
6,717	3,259	587	15,720	1,756	9,108	10,600	9,755	844	2011
7,125	3,303	600	15,733	1,789	8,956	11,639	8,778	862	2012
8,594	3,362	640	17,069	1,871	9,720	11,857	8,822	832	2013
11,757	3,387	667	17,247	2,090	10,197	12,448	8,913	893	2014
13,891	3,461	717	16,906	2,533	10,474	13,527	8,965	1,018	2015
14,357	4,593	784	20,419	3,066	11,292	13,707	9,049	1,087	2016
18,167	7,405	871	24,153	3,158	11,587	14,029	9,158	1,115	2017
18,595	7,698	990	24,488	3,546	12,039	13,700	9,282	1,350	2018
19,778	7,981	1,215	25,187	4,193	12,351	13,895	9,520	1,499	2019
20,021	8,367	1,409	25,164	4,967	13,596	14,354	9,765	1,645	2020
20,293	8,696	1,655	25,593	5,927	13,862	15,043	11,028	1,767	2021

Source: Korea Power Exchange, Korea Electric Power Corporation

## 7. 변전소 설비

단위: 개소

	전국 Total	서울 Seoul	부산·울산 Busan·Ulsan	대구·경북 Daegu·Gyeongbuk	인천 Incheon	광주·전남 Gwangju·Jeonnam
1996	400	61	19	53	14	40
1997	427	62	25	56	15	33
1998	449	63	37	59	16	41
1999	458	67	37	60	17	40
2000	483	70	40	66	21	41
2001	549	74	48	71	24	50
2002	574	78	48	77	25	53
2003	603	87	51	79	26	55
2004 <sup>1</sup>	615	91	52	84	26	55
2005	637	92	53	82	32	59
2006	646	92	53	86	32	58
2007	669	92	56	88	33	59
2008	693	94	57	94	30	61
2009	715	95	59	95	31	62
2010	731	97	60	99	32	63
2011	749	103	69	98	54	63
2012	715	100	55	94	32	58
2013	737	107	67	95	51	62
2014	748	107	71	94	51	64
2015	822	108	77	104	60	70
2016	830	109	77	107	60	70
2017	839	109	78	108	63	70
2018	850	109	79	108	64	70
2019	864	110	81	113	64	70
2020	877	112	82	115	64	73
2021	892	112	82	115	65	75
765kV	8	-	1	-	-	-
345kV	118	6	12	17	14	12
154kV	760	106	69	97	51	62
66kV	1	-	-	-	-	1
22kV	5	-	-	1	-	-

주: 변전소+스위치야드 합계

자료: 한국전력공사 「한국전력통계」



## 7. Number of Substation Facilities

Unit: each

대전·세종·충남 Daejeon-Chungnam	경 기 Gyeonggi	강 원 Gangwon	충 북 Chungbuk	전 북 Jeonbuk	경 남 Gyeongnam	제주 Jeju	
30	59	29	18	23	41	13	1996
34	63	32	17	24	37	13	1997
36	69	33	18	25	38	14	1998
38	70	33	18	25	39	14	1999
40	73	31	21	26	42	12	2000
49	84	38	23	29	46	13	2001
53	87	38	25	29	50	11	2002
55	90	41	26	30	51	12	2003
55	93	38	27	29	53	12	2004
55	105	39	28	28	53	11	2005
58	106	39	28	28	55	11	2006
60	114	40	29	29	56	13	2007
62	122	42	30	32	56	13	2008
63	131	45	30	34	57	13	2009
64	136	45	30	35	57	13	2010
67	122	45	32	35	48	13	2011
62	145	37	34	33	54	11	2012
66	126	37	34	34	46	12	2013
67	129	37	34	34	48	12	2014
73	141	48	36	38	52	15	2015
72	143	50	37	38	52	15	2016
72	144	52	37	38	53	15	2017
73	150	52	37	38	55	15	2018
73	156	52	37	38	55	15	2019
75	157	52	37	40	55	15	2020
76	158	52	38	41	62	16	2021
2	2	1	1	-	1	-	765kV
11	22	5	5	5	9	-	345kV
63	133	45	31	35	52	16	154kV
-	-	-	-	-	-	-	66kV
-	1	1	1	1	-	-	22kV

Note: Substation+Switch Yard

Source: Korea Electric Power Corporation 「STATISTICS OF ELECTRIC POWER IN KOREA」

## 8. 부문별 전력 소비

## 8. Electricity Consumption by Use

단위: GWh

Unit: GWh

	합계 Total	가정용 Residential	공공용 Public	서비스업 <sup>1</sup> Service <sup>1</sup>	농림어업 Agri & Fishery	광업 Mining	제조업 Manufacturing
1996	182,470	30,642	5,982	39,109	3,857	1,049	101,831
1997	200,784	32,515	6,844	45,041	4,176	1,000	111,207
1998	193,470	32,913	7,050	44,680	4,024	973	103,831
1999	214,215	34,581	7,866	50,909	4,572	952	115,335
2000	239,535	37,102	8,663	61,510	5,306	1,003	125,952
2001	257,731	39,211	9,425	73,304	5,985	1,074	128,732
2002	278,451	42,278	10,534	81,186	6,156	1,155	137,143
2003	293,599	44,572	11,235	87,405	5,944	1,205	143,238
2004	312,096	48,615	12,417	92,726	6,511	1,269	150,557
2005	332,413	50,873	13,741	100,987	7,007	1,317	158,489
2006	348,719	52,522	14,589	106,948	7,296	1,393	165,972
2007	368,605	54,174	15,579	112,601	7,795	1,484	176,973
2008	385,070	56,196	16,652	117,736	8,385	1,408	184,692
2009	394,475	57,595	17,932	121,203	9,145	1,350	187,249
2010	434,160	61,194	19,872	129,923	10,042	1,683	211,447
2011	455,070	61,564	20,539	130,762	10,575	1,928	229,701
2012	466,593	63,536	21,422	132,499	12,074	1,616	235,445
2013	474,849	63,970	21,982	132,055	13,062	1,478	242,301
2014	477,592	62,675	21,669	128,630	13,556	1,571	249,490
2015	483,655	63,794	22,179	132,049	14,645	1,631	249,357
2016	497,039	66,173	22,908	137,982	15,397	1,755	252,824
2017	507,746	66,517	23,605	140,952	15,981	1,746	258,945
2018	526,149	70,687	24,569	147,189	17,126	1,478	265,100
2019	520,499	70,455	24,458	145,816	17,305	1,493	260,972
2020	509,270	74,074	23,623	144,444	17,037	1,552	248,540
2021	533,431	77,558	25,026	148,182	18,496	1,807	262,362
서울 Seoul	47,296	14,656	3,575	27,499	19	2	1,544
부산 Busan	21,068	4,975	1,280	7,507	111	20	7,175
대구 Daegu	15,444	3,461	866	5,562	80	15	5,459
인천 Incheon	24,901	4,587	944	7,572	167	88	11,544
광주 Gwangju	8,973	2,216	569	3,272	77	3	2,836
대전 Daejeon	9,749	2,103	1,108	4,112	37	1	2,388
울산 Ulsan	33,593	1,639	505	3,498	90	15	27,846
경기 Gyeonggi	133,446	20,775	5,941	37,299	2,712	272	66,446
강원 Gangwon	16,808	2,290	1,479	6,399	784	452	5,406
충북 Chungbuk	28,402	2,386	1,361	5,365	920	129	18,241
충남 Chungnam	48,802	3,185	1,122	7,231	2,292	342	34,631
전북 Jeonbuk	21,487	2,589	1,082	5,146	1,705	70	10,895
전남 Jeonnam	33,487	2,579	1,373	5,740	3,461	83	20,251
경북 Gyeongbuk	44,258	3,709	1,706	8,789	2,136	229	27,689
경남 Gyeongnam	35,734	4,826	1,437	9,043	2,370	69	17,990
제주 Jeju	5,688	971	334	2,627	1,445	8	303
세종 Sejong	4,295	612	343	1,520	91	12	1,718
개성 Gaeseong	-	-	-	-	-	-	-

1. 서비스업 부문에는 전철, 수도, 사업자용 전력 포함.

자료: 한국전력공사 「한국전력통계」

1. Service includes rail, water and etc.

Source: Korea Electric Power Corporation 「STATISTICS OF ELECTRIC POWER IN KOREA」

## 9. 배전설비

## 9. Distribution Facilities

2021년 기준

	선로길이 (Unit:c-km)				전선전체길이 (Unit:km)				변압기 Transformer	
	가공 Overhead	지중 Under Ground	수중 Under Water	계 Total	가공 Overhead	지중 Under Ground	수중 Under Water	계 Total	대수 Number (Each)	용량 Capacity (MVA)
전국 Total	463,539	61,486	147	525,172	1,315,813	193,547	442	1,509,802	2,434,980	134,493
서울 Seoul	7,177	7,531	-	14,708	21,954	23,417	-	45,372	162,501	12,939
부산 Busan	5,898	2,801	-	8,699	17,501	8,769	-	26,269	76,989	5,401
대구 Daegu	6,357	2,107	-	8,464	19,926	6,664	-	26,590	58,098	3,968
인천 Incheon	8,234	3,765	5	12,004	24,347	11,698	14	36,059	81,419	4,895
광주 Gwangju	4,365	1,599	-	5,964	12,759	5,129	-	17,887	38,122	2,577
대전 Daejeon	3,305	2,616	-	5,921	9,126	8,522	-	17,648	28,083	2,286
울산 Ulsan	5,148	1,180	-	6,328	14,829	3,661	-	18,491	37,995	2,205
경기 Gyeonggi	67,994	16,924	-	84,918	204,693	53,112	-	257,805	478,986	27,709
강원 Gangwon	36,749	2,823	-	39,572	99,276	9,244	-	108,520	149,891	8,379
충북 Chungbuk	31,676	2,249	-	33,925	85,293	7,216	-	92,509	122,377	6,785
충남 Chungnam	52,950	3,596	4	56,550	141,749	11,374	13	153,136	195,894	10,652
전북 Jeonbuk	43,160	2,914	6	46,080	118,859	9,191	17	128,067	169,943	9,715
전남 Jeonnam	63,849	2,921	88	66,858	179,557	9,124	264	188,946	233,218	9,774
경북 Gyeongbuk	69,995	2,753	-	72,748	199,668	8,577	-	208,245	274,496	12,173
경남 Gyeongnam	45,054	3,311	38	48,403	129,603	10,182	114	139,899	235,379	11,760
제주 Jeju	8,850	1,391	6	10,247	29,057	4,560	18	33,635	41,792	2,664
세종 Sejong	2,777	1,004	-	3,782	7,617	3,107	-	10,724	9,895	611

자료: 한국전력공사「한국전력통계」

Source: Korea Electric Power Corporation 「STATISTICS OF ELECTRIC POWER IN KOREA」

## 10. 용도별 전력 단가

## 10. Average Price per kWh by Use

단위: 원/kWh

Unit: won/kWh

	주택용 Residential	일반용 Public & Service	교육용 Educational	산업용 Industrial	농사용 Agricultural	가로등 Street Lighting	심야 Mid-night	평균 Average
1998	100.6	104.2	86.5	55.0	44.3	63.0	25.8	72.1
1999	103.1	102.5	85.7	54.8	44.0	62.8	25.3	71.6
2000	107.3	106.0	90.2	58.3	43.0	65.9	24.5	74.7
2001	111.7	108.0	92.7	61.6	43.5	68.1	24.1	77.1
2002	110.3	104.4	90.8	60.1	43.2	66.2	26.0	75.2
2003	108.0	100.6	90.2	60.3	43.5	65.8	29.7	74.7
2004	110.4	96.9	89.1	60.2	42.0	65.3	30.6	74.6
2005	110.8	95.2	89.0	60.3	41.7	65.7	32.4	74.5
2006	114.3	97.9	77.5	61.9	43.0	68.6	34.6	76.4
2007	114.3	97.7	77.2	64.6	42.5	71.5	38.9	77.9
2008	115.0	95.3	78.6	66.2	42.4	72.5	45.7	78.8
2009	114.5	98.5	83.6	73.7	42.1	76.7	47.2	83.6
2010	119.9	98.9	87.2	76.6	42.5	81.1	50.5	86.1
2011	120.0	101.7	94.2	81.2	42.7	87.2	54.4	89.3
2012	123.7	112.5	108.8	92.8	42.9	98.9	58.7	99.1
2013	127.0	122.0	116.0	100.7	45.5	107.3	63.5	106.3
2014	125.1	129.8	114.2	106.8	47.3	113.4	67.3	111.3
2015	123.7	130.5	113.2	107.4	47.3	113.4	67.2	111.6
2016	121.5	130.4	111.5	107.1	47.4	113.4	67.6	111.2
2017	108.5	130.4	103.1	107.4	47.6	113.5	67.5	109.5
2018	106.9	130.0	104.1	106.5	47.4	113.8	67.6	108.7
2019	105.0	130.3	103.9	106.6	47.7	113.9	67.4	108.7
2020	107.9	131.6	104.0	107.4	48.4	114.3	67.0	109.8
2021	109.2	128.5	101.7	105.5	46.0	113.0	65.7	108.1
1	116.6	129.1	94.1	111.5	44.9	104.6	72.4	111.7
2	113.6	131.5	99.0	112.9	45.4	109.9	72.5	112.7
3	101.7	123.2	96.9	93.0	46.2	111.1	64.0	98.1
4	104.0	115.1	89.0	92.1	46.5	114.6	52.5	96.1
5	100.2	116.1	90.5	89.9	46.6	118.1	53.6	94.9
6	103.0	133.4	112.1	115.0	45.4	121.9	56.0	114.3
7	107.7	142.6	116.9	116.7	45.7	120.8	60.3	118.5
8	121.2	138.1	120.3	114.6	43.9	116.7	61.9	118.5
9	105.7	123.9	102.1	93.6	44.8	114.2	60.6	100.5
10	107.3	114.8	94.3	92.8	49.8	112.0	58.1	98.0
11	109.0	131.9	106.9	116.0	44.7	109.7	64.8	114.0
12	111.6	133.5	100.6	116.4	48.7	107.4	75.5	115.8

자료: 한국전력공사「한국전력통계」

Source: Korea Electric Power Corporation 「STATISTICS OF ELECTRIC POWER IN KOREA」



## 6. 신재생에너지

### New & Renewable Energy

#### 1. 2021 신·재생에너지 생산량(열량)

2021 Production of New & Renewable Energy(TOE)

#### 2. 2021 신재생에너지 생산량(고유단위)

2021 Production of New & Renewable Energy  
(Original Unit)

#### 3. 2021 신재생에너지 발전량

2021 Generation of New & Renewable Energy

#### 4. 2021 신재생에너지 보급용량(발전-신규)

2021 Facility of New & Renewable Energy  
(Generation-New)

#### 5. 2021 신재생에너지 보급용량(발전-누적)

2021 Facility of New & Renewable Energy  
(Generation-Accumulative)

#### 6. 2021 신재생에너지 보급용량 (발전외-신규)

2021 Facility of New & Renewable Energy  
(Except generation-New)

#### 7. 2021 신재생에너지 보급용량 (발전외-누적)

2021 Facility of New & Renewable Energy  
(Except generation-Accumulative)

## 1. 2021 신재생에너지 생산량(열량)

단위: toe

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
신·재생에너지 합계	14,000,317	325,737	213,516	184,664	595,688	99,072	91,966	501,111	84,544
재생에너지	12,510,554	232,226	150,968	181,487	276,678	98,033	83,514	489,254	75,206
신에너지	1,489,762	93,510	62,548	3,177	319,009	1,039	8,453	11,857	9,338
재생에너지									
태양열	25,568	561	686	738	577	540	570	307	109
태양광	5,317,227	55,298	58,882	44,631	49,014	70,029	23,997	32,384	20,576
사업용	4,567,632	10,142	35,733	25,967	24,597	53,656	9,049	19,151	13,334
자가용	749,595	45,156	23,149	18,664	24,417	16,373	14,948	13,233	7,242
풍력	677,507	45	15	6	8,415	1	87	372	-
사업용	675,174	-	1	-	8,365	-	-	368	-
자가용	2,332	45	14	6	50	1	87	4	-
수력 <sup>1</sup>	651,227	132	9	3,092	8,765	1,753	59	244	-
사업용	650,633	132	7	3,092	8,603	1,753	-	244	-
자가용	594	-	1	-	161	-	59	-	-
해양	96,911	-	-	-	-	-	-	-	-
지열	255,590	17,900	3,104	8,395	8,666	3,835	5,807	4,414	15,683
수열	24,756	18	46	-	157	-	-	-	-
바이오	4,263,576	81,856	51,370	103,172	153,890	20,475	26,553	355,707	30,497
바이오가스	114,343	12,841	2,793	12,242	4,881	3,066	3,937	7,570	1,044
매립지가스	81,226	1,578	1,811	33,995	35,186	662	5,718	-	-
바이오디젤	597,068	65,606	33,522	27,269	38,294	16,143	15,048	13,308	3,968
우드칩	231,309	-	7,174	28,734	12,811	-	-	30,408	-
성형탄	10,598	1,766	681	465	528	298	313	271	65
임산연료	96,770	27	-	46	163	307	202	-	308
목재펠릿	1,787,454	38	5,390	421	978	-	1,335	775	456
폐목재	66,622	-	-	-	6,446	-	-	-	-
흑액	212,208	-	-	-	-	-	-	212,208	-
하수슬러지고형연료	152,762	-	-	-	-	-	-	-	-
Bio-SRF	522,913	-	-	-	54,602	-	-	-	24,657
바이오중유	390,302	-	-	-	-	-	-	91,168	-
폐기물	1,198,193	76,416	36,856	21,454	47,195	1,400	26,441	95,826	8,340
폐가스	-	-	-	-	-	-	-	-	-
산업폐기물	308,638	-	7,277	13,466	18,598	1,400	13,281	35,689	787
생활폐기물	420,039	76,416	13,200	7,268	26,091	-	4,372	19,427	1,880
시멘트킬른보조연료	272,998	-	-	-	-	-	-	-	-
SRF	196,517	-	16,379	720	2,506	-	8,788	40,710	5,673
정제연료유	-	-	-	-	-	-	-	-	-
신에너지									
연료전지	1,023,132	93,510	62,548	3,177	319,009	1,039	8,453	11,857	9,338
사업용	1,006,930	91,857	62,012	2,527	318,330	58	2,691	11,532	9,321
자가용	16,202	1,653	536	650	679	981	5,762	325	16
IGCC	466,631	-	-	-	-	-	-	-	-

1. 수력은 양수발전 제외

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

자료: 한국에너지공단

# 1. 2021 Production of New & Renewable Energy(TOE)

Unit: toe

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
1,664,252	1,558,778	697,775	1,985,783	2,116,947	1,465,050	1,080,720	710,771	623,944	Total
1,354,582	1,527,182	686,054	1,422,595	2,114,538	1,416,169	1,072,946	705,268	623,855	Renewable energy
309,670	31,596	11,721	563,188	2,409	48,881	7,774	5,503	89	New energy
									Renewable energy
2,305	2,684	1,345	2,132	1,215	3,296	4,298	3,899	306	Solar thermal
384,178	393,308	304,063	663,622	905,410	1,112,350	659,785	394,225	145,474	Solar photovoltaic
265,796	346,731	242,721	600,768	846,440	1,039,691	596,926	311,712	125,217	Business
118,383	46,578	61,342	62,854	58,970	72,658	62,859	82,514	20,256	Private
998	201,821	11	437	31,080	111,982	194,906	14,551	112,780	Wind power
982	201,339	-	421	31,069	111,298	194,728	14,189	112,414	Business
16	482	11	16	11	684	178	362	366	Private
134,900	151,904	155,715	12,205	50,892	18,346	62,247	50,280	685	Hydro power <sup>1</sup>
134,593	151,904	155,715	12,190	50,892	18,346	62,247	50,280	635	Business
307	-	-	15	-	-	-	-	50	Private
96,907	-	-	-	-	3	-	-	1	Ocean
55,341	21,462	13,116	21,792	21,717	18,687	18,454	15,448	1,771	Geothermal
19	684	5	1,909	841	14,078	661	4,412	1,927	Hydro thermal
426,130	539,973	62,300	680,646	1,053,063	71,578	96,082	164,483	345,800	Bio
20,887	3,924	4,909	2,969	13,044	479	2,706	12,613	4,437	Bio gas
-	352	129	-	-	1,297	-	0	496	LFG
147,924	22,417	22,992	31,211	26,086	33,165	40,085	44,738	15,292	Bio diesel
36,082	7,536	-	86,376	13,082	8,009	68	-	1,030	Wood chip
2,520	428	384	466	363	407	649	806	189	Wood briquette
7,425	26,586	9,655	9,692	5,806	6,704	19,586	9,241	1,023	Fire wood
32,109	439,766	21,764	304,001	844,567	16,538	24,471	70,962	23,882	Wood pellet
11,045	-	862	25,128	23,141	-	-	-	-	Waste wood
-	-	-	-	-	-	-	-	-	Black liquor
60,438	-	-	65,850	-	-	8,517	17,957	-	Sewage solid fuel
107,699	38,963	1,605	154,953	126,973	4,980	-	8,165	316	Bio-SRF
-	-	-	-	-	-	-	-	299,135	Bio bunker
253,804	215,346	149,498	39,853	50,321	65,850	36,512	57,968	15,112	Waste
-	-	-	-	-	-	-	-	-	Waste gas
100,334	-	32,463	12,857	17,031	15,336	18,546	20,510	1,063	Industrial wastes
131,901	8,114	17,862	26,570	21,215	7,059	12,935	31,680	14,049	Living wastes
-	202,967	69,622	-	-	409	-	-	-	Cement kiln fuel
21,570	4,265	29,551	426	12,074	43,046	5,032	5,778	-	SRF
-	-	-	-	-	-	-	-	-	Refinery fuel oil
									New energy
309,670	31,596	11,721	96,557	2,409	48,881	7,774	5,503	89	Fuel cells
307,266	31,456	11,528	96,104	2,121	48,384	6,741	5,001	-	Business
2,404	141	193	453	288	497	1,033	502	89	Private
-	-	-	466,631	-	-	-	-	-	IGCC

1. Excludes the pumped storages.  
Note: Excludes the non-renewable wastes.  
Source: Korea Energy Agency

## 2. 2021 신재생에너지 생산량(고유단위)

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
태양열(toe)	25,568	561	686	738	577	540	570	307	109
태양광(MWh)	24,717,623	244,804	268,850	203,414	222,103	323,404	107,759	147,698	94,225
사업용	21,444,281	47,615	167,763	121,912	115,479	251,906	42,482	89,913	62,600
자가용	3,273,342	197,189	101,087	81,502	106,624	71,499	65,276	57,786	31,625
풍력(MWh)	3,180,017	198	67	25	39,490	5	379	1,745	-
사업용	3,169,833	-	4	-	39,272	-	-	1,730	-
자가용	10,184	198	62	25	218	5	379	15	-
수력(MWh) <sup>1</sup>	3,057,210	618	41	14,518	41,096	8,230	257	1,144	-
사업용	3,054,616	618	35	14,518	40,391	8,230	-	1,144	-
자가용	2,595	-	7	-	705	-	257	-	-
해양(MWh)	454,980	-	-	-	-	-	-	-	-
지열(toe)	255,590	17,900	3,104	8,395	8,666	3,835	5,807	4,414	15,683
수열(toe)	24,756	18	46	-	157	-	-	-	-
바이오									
바이오가스(천증기톤)	2,121	238	52	227	91	57	73	140	19
매립지가스(천증기톤)	1,507	29	34	631	653	12	106	-	-
바이오디젤(Ton)	5,971	656	335	273	383	161	150	133	40
우드칩(Ton)	2,313	-	72	287	128	-	-	304	-
성형탄(Ton)	106	18	7	5	5	3	3	3	1
임산연료(Ton)	968	0	-	0	2	3	2	-	3
목재펠릿(Ton)	17,875	0	54	4	10	-	13	8	5
폐목재(천증기톤)	1,236	-	-	-	120	-	-	-	-
흑액(Tcal)	2,122	-	-	-	-	-	-	2,122	-
하수슬러지 고형연료(Ton)	1,528	-	-	-	-	-	-	-	-
Bio-SRF(Ton)	5,229	-	-	-	546	-	-	-	247
바이오중유(Ton)	3,903	-	-	-	-	-	-	912	-
폐기물									
폐가스(천증기톤)	-	-	-	-	-	-	-	-	-
산업폐기물(천증기톤)	5,726	-	135	250	345	26	246	662	15
생활폐기물(천증기톤)	7,793	1,418	245	135	484	-	81	360	35
시멘트킬른보조연료(천증기톤)	5,065	-	-	-	-	-	-	-	-
SRF(Tcal)	1,965	-	164	7	25	-	88	407	57
정제연료유(Tcal)	-	-	-	-	-	-	-	-	-
연료전지(MWh)	4,798,120	438,474	293,478	14,701	1,497,473	4,557	37,794	55,559	43,834
사업용	4,727,370	431,255	291,136	11,864	1,494,508	272	12,634	54,141	43,763
자가용	70,750	7,219	2,342	2,837	2,965	4,284	25,160	1,418	72
IGCC(MWh)	2,190,755	-	-	-	-	-	-	-	-

1. 양수발전 제외

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

자료: 한국에너지공단



## 2. 2021 Production of New & Renewable Energy(Original Unit)

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
2,305	2,684	1,345	2,132	1,215	3,296	4,298	3,899	306	Solar thermal(toe)
1,764,822	1,831,240	1,407,403	3,094,979	4,231,407	5,198,466	3,076,962	1,823,756	676,330	Solar photovoltaic(MWh)
1,247,867	1,627,844	1,139,536	2,820,507	3,973,898	4,881,180	2,802,470	1,463,435	587,874	Business
516,955	203,396	267,867	274,472	257,510	317,285	274,492	360,321	88,456	Private
4,680	947,359	49	2,047	145,910	525,511	914,994	68,197	529,363	Wind power(MWh)
4,609	945,255	-	1,976	145,862	522,524	914,218	66,617	527,766	Business
71	2,104	49	71	48	2,987	776	1,580	1,596	Private
633,233	713,162	731,058	57,296	238,930	86,132	292,238	236,059	3,198	Hydro power(MWh) <sup>1</sup>
631,891	713,162	731,058	57,229	238,930	86,132	292,238	236,059	2,981	Business
1,342	-	-	67	-	-	-	-	217	Private
454,961	-	-	-	-	13	-	-	6	Ocean(MWh)
55,341	21,462	13,116	21,792	21,717	18,687	18,454	15,448	1,771	Geothermal(toe)
19	684	5	1,909	841	14,078	661	4,412	1,927	Hydro thermal(toe)
									Bio
388	73	91	55	242	9	50	234	82	Bio gas(1,000steamTon)
-	7	2	-	-	24	-	0	9	LFG(1,000steamTon)
1,479	224	230	312	261	332	401	447	153	Bio-diesel(Tcal)
361	75	-	864	131	80	1	-	10	Wood chip(Tcal)
25	4	4	5	4	4	6	8	2	Wood briquette(Tcal)
74	266	97	97	58	67	196	92	10	Fire wood(Tcal)
321	4,398	218	3,040	8,446	165	245	710	239	Wood pellet(Tcal)
205	-	16	466	429	-	-	-	-	Waste wood(1,000steamTon)
-	-	-	-	-	-	-	-	-	Black liquor(Tcal)
604	-	-	658	-	-	85	180	-	Sewage solid fuel(Tcal)
1,077	390	16	1,550	1,270	50	-	82	3	Bio-SRF(Tcal)
-	-	-	-	-	-	-	-	2,991	Bio-bunker(Tcal)
									Waste
-	-	-	-	-	-	-	-	-	Waste gas(1,000steamTon)
1,861	-	602	239	316	285	344	381	20	Industrial wastes(1,000steamTon)
2,447	151	331	493	394	131	240	588	261	Living sastes(1,000steamTon)
-	3,766	1,292	-	-	8	-	-	-	Cement kiln fuel(1,000steamTon)
216	43	296	4	121	430	50	58	-	SRF(Tcal)
-	-	-	-	-	-	-	-	-	Refinery fuel oil(Tcal)
1,453,062	148,294	54,965	453,170	11,215	229,324	36,159	25,672	390	Fuel cells(MWh)
1,442,562	147,679	54,122	451,192	9,959	227,154	31,650	23,479	-	Business
10,500	615	843	1,978	1,256	2,170	4,509	2,193	390	Private
-	-	-	2,190,755	-	-	-	-	-	IGCC(MWh)

1. Excludes the pumped storages.  
Note: Excludes the non-renewable wastes.  
Source: Korea Energy Agency

## 3. 2021 신재생에너지 발전량

단위: MWh

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
신·재생에너지 총발전량	50,657,393	782,277	616,236	251,812	2,020,296	345,741	148,871	902,327	170,224
사업용	46,856,560	561,587	510,457	158,628	1,907,678	269,954	55,116	577,982	138,528
자가용	3,800,833	220,690	105,779	93,184	112,618	75,788	93,755	324,345	31,696
재생에너지	43,668,518	343,803	322,758	237,111	522,823	341,185	111,077	846,768	126,389
사업용	39,938,435	130,332	219,322	146,764	413,170	269,682	42,482	523,841	94,765
자가용	3,730,083	213,471	103,437	90,347	109,653	71,503	68,595	322,926	31,625
신에너지	6,988,875	438,474	293,478	14,701	1,497,473	4,557	37,794	55,559	43,834
사업용	6,918,125	431,255	291,136	11,864	1,494,508	272	12,634	54,141	43,763
자가용	70,750	7,219	2,342	2,837	2,965	4,284	25,160	1,418	72
재생에너지 태양광	24,717,623	244,804	268,850	203,414	222,103	323,404	107,759	147,698	94,225
사업용	21,444,281	47,615	167,763	121,912	115,479	251,906	42,482	89,913	62,600
자가용	3,273,342	197,189	101,087	81,502	106,624	71,499	65,276	57,786	31,625
풍력	3,180,017	198	67	25	39,490	5	379	1,745	-
사업용	3,169,833	-	4	-	39,272	-	-	1,730	-
자가용	10,184	198	62	25	218	5	379	15	-
수력 <sup>1</sup>	3,057,210	618	41	14,518	41,096	8,230	257	1,144	-
사업용	3,054,616	618	35	14,518	40,391	8,230	-	1,144	-
자가용	2,595	-	7	-	705	-	257	-	-
해양	454,980	-	-	-	-	-	-	-	-
사업용	454,980	-	-	-	-	-	-	-	-
바이오	11,788,068	28,706	14,294	14,158	210,856	3,107	-	689,987	27,461
사업용	11,454,757	28,706	14,294	10,287	210,856	3,107	-	428,017	27,461
자가용	333,310	-	-	3,871	-	-	-	261,970	-
바이오가스	191,081	28,706	5,792	3,871	16,138	-	-	-	-
사업용	174,406	28,706	5,792	-	16,138	-	-	-	-
자가용	16,675	-	-	3,871	-	-	-	-	-
매립지가스	187,485	-	8,502	-	165,191	3,107	-	-	-
사업용	187,485	-	8,502	-	165,191	3,107	-	-	-
자가용	-	-	-	-	-	-	-	-	-
우드칩	222,248	-	-	10,287	3,039	-	-	-	-
사업용	167,583	-	-	10,287	3,039	-	-	-	-
자가용	54,665	-	-	-	-	-	-	-	-
목재펠릿	6,794,232	-	-	-	-	-	-	-	-
사업용	6,794,232	-	-	-	-	-	-	-	-
자가용	-	-	-	-	-	-	-	-	-
폐목재	-	-	-	-	-	-	-	-	-
사업용	-	-	-	-	-	-	-	-	-
자가용	-	-	-	-	-	-	-	-	-
흑연	261,970	-	-	-	-	-	-	261,970	-
자가용	261,970	-	-	-	-	-	-	261,970	-
하수슬러지 고회전연료	406,146	-	-	-	-	-	-	-	-
사업용	406,146	-	-	-	-	-	-	-	-
Bio-SRF	1,892,499	-	-	-	26,487	-	-	-	27,461
사업용	1,892,499	-	-	-	26,487	-	-	-	27,461
자가용	-	-	-	-	-	-	-	-	-
바이오중유	1,832,406	-	-	-	-	-	-	428,017	-
사업용	1,832,406	-	-	-	-	-	-	428,017	-
폐기물	470,620	69,477	39,506	4,996	9,278	6,438	2,683	6,193	4,704
사업용	359,968	53,392	37,226	47	7,172	6,438	-	3,037	4,704
자가용	110,652	16,085	2,281	4,949	2,106	-	2,683	3,155	-
폐가스	-	-	-	-	-	-	-	-	-
사업용	-	-	-	-	-	-	-	-	-
자가용	-	-	-	-	-	-	-	-	-
산업폐기물	108,574	-	-	-	7,184	6,438	93	-	3,696
사업용	98,312	-	-	-	7,172	6,438	-	-	3,696
자가용	10,263	-	-	-	12	-	93	-	-
생활폐기물	222,835	69,477	2,091	1,852	2,094	-	-	3,155	-
사업용	128,370	53,392	-	47	-	-	-	-	-
자가용	94,465	16,085	2,091	1,805	2,094	-	-	3,155	-
SRF	139,211	-	37,415	3,144	-	-	2,590	3,037	1,007
사업용	133,286	-	37,226	-	-	-	-	3,037	1,007
자가용	5,924	-	190	3,144	-	-	2,590	-	-
시멘트킬른 보조연료	-	-	-	-	-	-	-	-	-
자가용	-	-	-	-	-	-	-	-	-
정제연료유	-	-	-	-	-	-	-	-	-
사업용	-	-	-	-	-	-	-	-	-
신에너지 연료전지	4,798,120	438,474	293,478	14,701	1,497,473	4,557	37,794	55,559	43,834
사업용	4,727,370	431,255	291,136	11,864	1,494,508	272	12,634	54,141	43,763
자가용	70,750	7,219	2,342	2,837	2,965	4,284	25,160	1,418	72
IGCC	2,190,755	-	-	-	-	-	-	-	-
사업용	2,190,755	-	-	-	-	-	-	-	-

1. 양수발전 제외

주: 신에너지 및 재생에너지 개발·이용·보급 촉진법 개정(19.10.01 시행)에 따라 폐기물에너지 중 비재생폐기물은 제외

자료: 한국에너지공단

### 3. 2021 Generation of New & Renewable Energy

Unit: MWh

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
4,733,827	5,888,937	2,225,401	8,489,538	8,325,469	6,158,271	4,393,519	2,542,146	2,662,500	Total
4,163,697	5,682,226	1,948,742	8,156,726	8,061,705	5,826,006	4,102,883	2,165,894	2,568,752	Business
570,130	206,711	276,659	332,812	263,764	332,265	290,636	376,253	93,748	Private
3,280,766	5,740,642	2,170,437	5,845,613	8,314,254	5,928,947	4,357,360	2,516,475	2,662,109	Renewable energy
2,721,135	5,534,547	1,894,620	5,514,779	8,051,746	5,598,852	4,071,233	2,142,415	2,568,752	Business
559,631	206,096	275,817	330,834	262,508	330,095	286,127	374,060	93,358	Private
1,453,062	148,294	54,965	2,643,925	11,215	229,324	36,159	25,672	390	New energy
1,442,562	147,679	54,122	2,641,947	9,959	227,154	31,650	23,479	-	Business
10,500	615	843	1,978	1,256	2,170	4,509	2,193	390	Private
1,764,822	1,831,240	1,407,403	3,094,979	4,231,407	5,198,466	3,076,962	1,823,756	676,330	Renewable energy
1,247,867	1,627,844	1,139,536	2,820,507	3,973,898	4,881,180	2,802,470	1,463,435	587,874	Solar photovoltaic
516,955	203,396	267,867	274,472	257,510	317,285	274,492	360,321	88,456	Business
4,680	947,359	49	2,047	145,910	525,511	914,994	68,197	529,363	Private
4,609	945,255	-	1,976	145,862	522,524	914,218	66,617	527,766	Wind power
71	2,104	49	71	48	2,987	776	1,580	1,596	Business
633,233	713,162	731,058	57,296	238,930	86,132	292,238	236,059	3,198	Private
631,891	713,162	731,058	57,229	238,930	86,132	292,238	236,059	2,981	Hydro power <sup>1</sup>
1,342	-	-	67	-	-	-	-	217	Business
454,961	-	-	-	-	13	-	-	6	Private
454,961	-	-	-	-	13	-	-	6	Ocean
346,957	2,225,996	8,492	2,677,939	3,676,706	57,690	22,778	372,760	1,410,179	Business
338,567	2,225,996	6,341	2,622,595	3,676,706	57,293	21,676	372,676	1,410,179	Bio
8,390	-	2,151	55,345	-	397	1,102	85	-	Business
60,627	12,431	7,884	12,176	23,314	1,362	7,885	8,917	1,977	Private
52,238	12,431	5,733	11,496	23,314	966	6,783	8,832	1,977	Bio gas
8,390	-	2,151	679	-	397	1,102	85	-	Business
-	1,654	608	-	-	6,090	-	2	2,330	Private
-	1,654	608	-	-	6,090	-	2	2,330	LFG
-	-	-	-	-	-	-	-	-	Business
23,148	33,411	-	54,665	61,416	36,282	-	-	-	Private
23,148	33,411	-	-	61,416	36,282	-	-	-	Wood chip
-	-	-	54,665	-	-	-	-	-	Business
-	1,995,576	-	1,364,378	3,193,072	-	-	241,206	-	Private
-	1,995,576	-	1,364,378	3,193,072	-	-	241,206	-	Wood pellet
-	-	-	-	-	-	-	-	-	Business
-	-	-	-	-	-	-	-	-	Private
-	-	-	-	-	-	-	-	-	Waste wood
-	-	-	-	-	-	-	-	-	Business
-	-	-	-	-	-	-	-	-	Private
-	-	-	-	-	-	-	-	-	Black liquor
-	-	-	-	-	-	-	-	-	Private
-	-	-	306,950	-	-	14,893	84,303	-	Sewage solid fuel
-	-	-	306,950	-	-	14,893	84,303	-	Business
263,181	182,924	-	939,771	398,904	13,956	-	38,332	1,484	Bio-SRF
263,181	182,924	-	939,771	398,904	13,956	-	38,332	1,484	Business
-	-	-	-	-	-	-	-	-	Private
-	-	-	-	-	-	-	-	1,404,388	Bio bunker
-	-	-	-	-	-	-	-	1,404,388	Business
76,112	22,885	23,435	13,352	21,301	61,136	50,388	15,702	43,033	Waste
43,240	22,289	17,686	12,473	16,350	51,710	40,631	3,629	39,945	Business
32,873	597	5,749	879	4,950	9,426	9,758	12,073	3,088	Private
-	-	-	-	-	-	-	-	-	Waste gas
-	-	-	-	-	-	-	-	-	Business
-	-	-	-	-	-	-	-	-	Private
36,705	-	18,418	9,395	8,114	10,496	6,314	1,721	-	Industrial wastes
36,705	-	17,686	9,395	8,114	1,070	6,314	1,721	-	Business
-	-	732	-	-	9,426	-	-	-	Private
39,406	3,091	5,017	1,955	13,135	-	24,549	13,981	43,033	Living wastes
6,533	2,494	-	1,075	8,185	-	14,791	1,908	39,945	Business
32,873	597	5,017	879	4,950	-	9,758	12,073	3,088	Private
2	19,794	-	2,002	51	50,640	19,526	-	-	SRF
2	19,794	-	2,002	51	50,640	19,526	-	-	Business
-	-	-	-	-	-	-	-	-	Private
-	-	-	-	-	-	-	-	-	Cement kiln fuel
-	-	-	-	-	-	-	-	-	Private
-	-	-	-	-	-	-	-	-	Refinery fuel oil
-	-	-	-	-	-	-	-	-	Business
1,453,062	148,294	54,965	453,170	11,215	229,324	36,159	25,672	390	New energy
1,442,562	147,679	54,122	451,192	9,959	227,154	31,650	23,479	-	Fuel cells
10,500	615	843	1,978	1,256	2,170	4,509	2,193	390	Business
-	-	-	2,190,755	-	-	-	-	-	Private
-	-	-	2,190,755	-	-	-	-	-	IGCC
-	-	-	-	-	-	-	-	-	Business

1. Excludes the pumped storages.

Note: Excludes the non-renewable wastes.

Source: Korea Energy Agency

## 4. 2021 신재생에너지 보급용량(발전-신규)

단위: kW

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
신·재생에너지 총보급용량	4,453,978	19,210	54,943	33,952	87,892	35,005	31,301	44,047	9,593
사업용	3,907,796	4,436	43,617	22,305	68,033	26,147	13,113	38,227	7,105
자가용	546,183	14,774	11,326	11,647	19,859	8,858	18,188	5,820	2,487
태양광	3,915,086	19,026	44,421	33,618	26,158	34,574	20,156	23,304	9,593
사업용	3,461,563	4,436	33,937	22,095	7,753	25,832	6,848	17,487	7,105
자가용	453,524	14,590	10,484	11,523	18,405	8,742	13,308	5,817	2,487
풍력	63,729	1	-	-	40	3	-	3	-
사업용	63,600	-	-	-	-	-	-	-	-
자가용	129	1	-	-	40	3	-	3	-
수력 <sup>1)</sup>	18,221	-	55	-	-	-	-	-	-
사업용	18,166	-	-	-	-	-	-	-	-
자가용	55	-	55	-	-	-	-	-	-
해양	80	-	-	-	-	-	-	-	-
사업용	80	-	-	-	-	-	-	-	-
바이오	187,397	-	-	-	-	-	-	-	-
사업용	187,397	-	-	-	-	-	-	-	-
자가용	-	-	-	-	-	-	-	-	-
바이오가스	1,499	-	-	-	-	-	-	-	-
사업용	1,499	-	-	-	-	-	-	-	-
자가용	-	-	-	-	-	-	-	-	-
매립지가스	998	-	-	-	-	-	-	-	-
사업용	998	-	-	-	-	-	-	-	-
자가용	-	-	-	-	-	-	-	-	-
우드칩	8,037	-	-	-	-	-	-	-	-
사업용	8,037	-	-	-	-	-	-	-	-
자가용	-	-	-	-	-	-	-	-	-
목재펠릿	151,963	-	-	-	-	-	-	-	-
사업용	151,963	-	-	-	-	-	-	-	-
자가용	-	-	-	-	-	-	-	-	-
폐목재	-	-	-	-	-	-	-	-	-
사업용	-	-	-	-	-	-	-	-	-
자가용	-	-	-	-	-	-	-	-	-
흑액	-	-	-	-	-	-	-	-	-
자가용	-	-	-	-	-	-	-	-	-
하수슬러지 고정연료	-	-	-	-	-	-	-	-	-
사업용	-	-	-	-	-	-	-	-	-
Bio-SRF	24,900	-	-	-	-	-	-	-	-
사업용	24,900	-	-	-	-	-	-	-	-
자가용	-	-	-	-	-	-	-	-	-
바이오중유	-	-	-	-	-	-	-	-	-
사업용	-	-	-	-	-	-	-	-	-
폐기물	90,415	-	495	-	1,100	-	4,800	-	-
사업용	-	-	-	-	-	-	-	-	-
자가용	90,415	-	495	-	1,100	-	4,800	-	-
폐가스	-	-	-	-	-	-	-	-	-
사업용	-	-	-	-	-	-	-	-	-
자가용	-	-	-	-	-	-	-	-	-
산업폐기물	89,920	-	-	-	1,100	-	4,800	-	-
사업용	-	-	-	-	-	-	-	-	-
자가용	89,920	-	-	-	1,100	-	4,800	-	-
생활폐기물	-	-	-	-	-	-	-	-	-
사업용	-	-	-	-	-	-	-	-	-
자가용	-	-	-	-	-	-	-	-	-
SRF	495	-	495	-	-	-	-	-	-
사업용	-	-	-	-	-	-	-	-	-
자가용	495	-	495	-	-	-	-	-	-
시멘트킬른 보조연료	-	-	-	-	-	-	-	-	-
자가용	-	-	-	-	-	-	-	-	-
정제연료유	-	-	-	-	-	-	-	-	-
사업용	-	-	-	-	-	-	-	-	-
연료전지	179,050	183	9,972	334	60,594	428	6,345	20,740	-
사업용	176,990	-	9,680	210	60,280	315	6,265	20,740	-
자가용	2,060	183	292	124	314	113	80	-	-
IGCC	-	-	-	-	-	-	-	-	-
사업용	-	-	-	-	-	-	-	-	-

1. 양수발전 제외

2. 태양광, 풍력, 수력, 해양, 바이오, 폐기물, 연료전지, IGCC는 각 연도별 신설 및 증설 용량임

3. 보급년도는 자가용 준공, 사업용 상업운전개시 기준임

주: RPS 공급인증서 발급대상 바이오·폐기물 혼소발전은 혼소비율을 반영하여 보급용량 산정

자료: 한국에너지공단

#### 4. 2021 Facility of New & Renewable Energy(Generation-New)

Unit: kW

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
288,334	349,628	235,416	415,801	956,187	796,717	689,745	294,744	111,465	Total
216,899	318,456	204,834	368,148	915,246	673,603	641,305	245,897	100,426	Business
71,435	31,172	30,582	47,654	40,941	123,114	48,440	48,847	11,038	Private
257,818	288,857	210,557	382,875	796,184	678,055	689,561	288,873	111,457	Solar photovoltaic
186,700	257,776	180,034	335,262	755,246	639,025	641,305	240,297	100,426	Business
71,118	31,081	30,523	47,614	40,938	39,030	48,256	48,576	11,030	Private
5	45,620	24	-	3	18,012	10	1	8	Wind power
-	45,600	-	-	-	18,000	-	-	-	Business
5	20	24	-	3	12	10	1	8	Private
-	80	5,000	7,586	-	500	-	5,000	-	Hydro power <sup>1</sup>
-	80	5,000	7,586	-	500	-	5,000	-	Business
-	-	-	-	-	-	-	-	-	Private
-	-	-	-	-	80	-	-	-	Ocean
-	-	-	-	-	80	-	-	-	Business
499	-	-	25,300	160,000	998	-	600	-	Bio
499	-	-	25,300	160,000	998	-	600	-	Business
-	-	-	-	-	-	-	-	-	Private
499	-	-	400	-	-	-	600	-	Bio gas
499	-	-	400	-	-	-	600	-	Business
-	-	-	-	-	-	-	-	-	Private
-	-	-	-	-	998	-	-	-	LFG
-	-	-	-	-	998	-	-	-	Business
-	-	-	-	-	-	-	-	-	Private
-	-	-	-	8,037	-	-	-	-	Wood chip
-	-	-	-	8,037	-	-	-	-	Business
-	-	-	-	-	-	-	-	-	Private
-	-	-	-	151,963	-	-	-	-	Wood pellet
-	-	-	-	151,963	-	-	-	-	Business
-	-	-	-	-	-	-	-	-	Private
-	-	-	-	-	-	-	-	-	Waste wood
-	-	-	-	-	-	-	-	-	Business
-	-	-	-	-	-	-	-	-	Private
-	-	-	-	-	-	-	-	-	Black liquor
-	-	-	-	-	-	-	-	-	Private
-	-	-	-	-	-	-	-	-	Sewage solid fuel
-	-	-	-	-	-	-	-	-	Business
-	-	-	24,900	-	-	-	-	-	Bio-SRF
-	-	-	24,900	-	-	-	-	-	Business
-	-	-	-	-	-	-	-	-	Private
-	-	-	-	-	-	-	-	-	Bio bunker
-	-	-	-	-	-	-	-	-	Business
-	-	-	-	-	84,020	-	-	-	Waste
-	-	-	-	-	-	-	-	-	Business
-	-	-	-	-	84,020	-	-	-	Private
-	-	-	-	-	-	-	-	-	Waste gas
-	-	-	-	-	-	-	-	-	Business
-	-	-	-	-	-	-	-	-	Private
-	-	-	-	-	84,020	-	-	-	Industrial wastes
-	-	-	-	-	-	-	-	-	Business
-	-	-	-	-	84,020	-	-	-	Private
-	-	-	-	-	-	-	-	-	Living wastes
-	-	-	-	-	-	-	-	-	Business
-	-	-	-	-	-	-	-	-	Private
-	-	-	-	-	-	-	-	-	SRF
-	-	-	-	-	-	-	-	-	Business
-	-	-	-	-	-	-	-	-	Private
-	-	-	-	-	-	-	-	-	Cement kiln fuel
-	-	-	-	-	-	-	-	-	Private
-	-	-	-	-	-	-	-	-	Refinery fuel oil
-	-	-	-	-	-	-	-	-	Business
30,012	15,071	19,835	40	-	15,052	174	270	-	Fuel cells
29,700	15,000	19,800	-	-	15,000	-	-	-	Business
312	71	35	40	-	52	174	270	-	Private
-	-	-	-	-	-	-	-	-	IGCC
-	-	-	-	-	-	-	-	-	Business

1. Excludes the pumped storages.

Source: Korea Energy Agency

## 5. 2021 신재생에너지 보급용량(발전-누적)

단위: kW

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
신·재생에너지 총보급용량	30,211,816	319,823	326,898	209,175	753,565	288,425	118,855	729,846	98,190
사업용	27,079,125	144,756	233,499	130,009	653,134	226,474	47,003	641,605	71,567
자가용	3,132,691	175,067	93,399	79,166	100,431	61,951	71,852	88,241	26,623
태양광	21,199,351	206,386	231,316	178,537	192,138	279,081	98,584	127,561	82,339
사업용	18,338,405	41,825	144,861	106,292	95,675	217,849	39,739	77,477	55,727
자가용	2,860,946	164,561	86,455	72,245	96,463	61,232	58,845	50,084	26,612
풍력	1,709,116	105	791	13	49,135	4	200	1,660	-
사업용	1,695,655	-	758	-	49,000	-	-	1,650	-
자가용	13,461	105	33	13	135	4	200	10	-
수력 <sup>1)</sup>	1,821,374	316	120	3,560	12,919	1,830	100	300	2,310
사업용	1,819,805	316	10	3,560	12,599	1,830	-	300	2,310
자가용	1,569	-	110	-	320	-	100	-	-
해양	255,580	-	-	-	-	-	-	-	-
사업용	255,580	-	-	-	-	-	-	-	-
바이오	3,578,983	8,865	6,690	10,260	245,230	2,120	99	562,430	5,000
사업용	3,508,257	6,865	6,690	8,850	245,230	2,120	99	526,000	5,000
자가용	70,726	2,000	-	1,410	-	-	-	36,430	-
바이오가스	61,590	8,865	3,516	1,410	4,300	-	-	-	-
사업용	52,194	6,865	3,516	-	4,300	-	-	-	-
자가용	9,396	2,000	-	1,410	-	-	-	-	-
매립지가스	66,309	-	3,174	-	50,000	2,120	99	-	-
사업용	66,309	-	3,174	-	50,000	2,120	99	-	-
자가용	-	-	-	-	-	-	-	-	-
우드칩	126,879	-	-	4,500	12,600	-	-	-	-
사업용	101,979	-	-	4,500	12,600	-	-	-	-
자가용	24,900	-	-	-	-	-	-	-	-
목재펠릿	1,643,778	-	-	-	167,000	-	-	-	-
사업용	1,643,778	-	-	-	167,000	-	-	-	-
자가용	-	-	-	-	-	-	-	-	-
폐목재	-	-	-	-	-	-	-	-	-
사업용	-	-	-	-	-	-	-	-	-
자가용	-	-	-	-	-	-	-	-	-
흑역	36,430	-	-	-	-	-	-	36,430	-
자가용	36,430	-	-	-	-	-	-	36,430	-
하수슬러지 고품형연료	338,996	-	-	-	-	-	-	-	-
사업용	338,996	-	-	-	-	-	-	-	-
Bio-SRF	424,651	-	-	-	11,330	-	-	-	5,000
사업용	424,651	-	-	-	11,330	-	-	-	5,000
자가용	-	-	-	-	-	-	-	-	-
바이오중유	880,350	-	-	4,350	-	-	-	526,000	-
사업용	880,350	-	-	4,350	-	-	-	526,000	-
폐기물	507,374	35,150	40,195	14,900	39,810	4,360	8,800	7,000	3,250
사업용	333,288	27,950	33,900	9,900	36,910	4,360	-	5,500	3,250
자가용	174,086	7,200	6,295	5,000	2,900	-	8,800	1,500	-
폐가스	-	-	-	-	-	-	-	-	-
사업용	-	-	-	-	-	-	-	-	-
자가용	-	-	-	-	-	-	-	-	-
산업폐기물	199,435	-	-	-	38,010	4,360	4,800	-	2,502
사업용	105,701	-	-	-	36,910	4,360	-	-	2,502
자가용	93,734	-	-	-	1,100	-	4,800	-	-
생활폐기물	173,020	35,150	5,800	11,900	1,800	-	-	1,500	-
사업용	100,163	27,950	-	9,900	-	-	-	-	-
자가용	72,857	7,200	5,800	2,000	1,800	-	-	1,500	-
SRF	134,919	-	34,395	3,000	-	-	4,000	5,500	748
사업용	127,424	-	33,900	-	-	-	-	5,500	748
자가용	7,495	-	495	3,000	-	-	4,000	-	-
시멘트킬른 보조연료	-	-	-	-	-	-	-	-	-
자가용	-	-	-	-	-	-	-	-	-
정제연료유	-	-	-	-	-	-	-	-	-
사업용	-	-	-	-	-	-	-	-	-
연료전지	793,708	69,001	47,786	1,905	214,333	1,030	11,072	30,896	5,291
사업용	781,804	67,800	47,280	1,407	213,720	315	7,165	30,678	5,280
자가용	11,904	1,201	506	498	613	715	3,907	218	11
IGCC	346,330	-	-	-	-	-	-	-	-
사업용	346,330	-	-	-	-	-	-	-	-

1. 수력은 양수발전 제외

2. 태양광, 풍력, 수력, 해양, 연료전지, IGCC 사업용은 각 연도별 신설, 증·감설, 해지를 반영한 용량이며, 자가용은 각 연도별 설치용량의 단순합계임

3. 바이오 및 폐기물은 각 연도별 기준 가동설비 용량임

4. 보급년도는 자가용 준공, 사업용 상업운전개시 기준임

주: RPS 공급인증서 발급대상 바이오·폐기물 혼소발전은 혼소비율을 반영하여 보급용량 산정

자료: 한국에너지공단

## 5. 2021 Facility of New & Renewable Energy(Generation-Accumulative)

Unit: kW

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
2,479,508	3,137,151	1,793,419	3,830,611	4,496,324	4,904,258	3,365,898	2,098,932	1,260,939	Total
1,986,532	2,955,728	1,556,223	3,559,483	4,261,144	4,544,221	3,114,826	1,775,399	1,177,522	Business
492,977	181,422	237,196	271,127	235,180	360,036	251,073	323,533	83,417	Private
1,558,219	1,597,886	1,227,443	2,573,951	3,691,749	4,297,536	2,710,825	1,563,167	582,632	Solar photovoltaic
1,102,780	1,418,582	996,016	2,328,968	3,464,849	4,024,215	2,466,483	1,250,391	506,676	Business
455,439	179,303	231,428	244,983	226,900	273,321	244,343	312,776	75,956	Private
5,366	453,971	38	2,055	82,827	347,659	419,415	46,841	299,037	Wind power
5,326	452,850	-	2,000	79,800	346,075	419,000	46,006	293,190	Business
40	1,121	38	55	3,027	1,584	415	835	5,847	Private
277,028	520,095	519,007	40,451	80,037	36,971	179,955	145,469	906	Hydro power <sup>1</sup>
276,118	520,095	519,004	40,415	80,037	36,971	179,955	145,469	816	Business
910	-	3	36	-	-	-	-	90	Private
254,000	-	-	-	-	1,080	-	-	500	Ocean
254,000	-	-	-	-	1,080	-	-	500	Business
80,123	520,715	3,380	793,870	618,873	30,354	6,850	326,985	357,139	Bio
76,693	520,715	2,540	768,570	618,813	29,948	6,450	326,535	357,139	Business
3,430	-	840	25,300	60	406	400	450	-	Private
17,393	2,535	2,580	5,170	7,010	712	1,450	3,460	3,189	Bio gas
13,963	2,535	1,740	4,770	6,950	306	1,050	3,010	3,189	Business
3,430	-	840	400	60	406	400	450	-	Private
-	980	800	-	1,498	2,563	2,450	1,625	1,000	LFG
-	980	800	-	1,498	2,563	2,450	1,625	1,000	Business
4,151	60,000	-	24,900	13,037	7,691	-	-	-	Private
4,151	60,000	-	-	13,037	7,691	-	-	-	Wood chip
-	-	-	24,900	-	-	-	-	-	Business
-	427,200	-	315,762	533,816	-	-	200,000	-	Private
-	427,200	-	315,762	533,816	-	-	200,000	-	Wood pellet
-	-	-	-	-	-	-	-	-	Business
-	-	-	-	-	-	-	-	-	Private
-	-	-	-	-	-	-	-	-	Waste wood
-	-	-	-	-	-	-	-	-	Business
-	-	-	-	-	-	-	-	-	Private
-	-	-	-	-	-	-	-	-	Black liquor
-	-	-	280,046	-	-	2,950	56,000	-	Private
-	-	-	280,046	-	-	2,950	56,000	-	Sewage solid fuel
58,579	30,000	-	167,991	63,512	19,388	-	65,900	2,950	Business
58,579	30,000	-	167,991	63,512	19,388	-	65,900	2,950	Private
-	-	-	-	-	-	-	-	-	Bio-SRF
-	-	-	-	-	-	-	-	-	Business
-	-	-	-	-	-	-	-	-	Private
73,393	14,258	23,603	9,710	16,585	140,218	42,195	13,283	20,664	Bio bunker
42,005	13,390	18,863	9,280	11,585	55,852	37,060	4,283	19,200	Business
31,388	868	4,740	430	5,000	84,366	5,135	9,000	1,464	Private
-	-	-	-	-	-	-	-	-	Waste
-	-	-	-	-	-	-	-	-	Business
-	-	-	-	-	-	-	-	-	Private
29,083	-	17,949	5,850	3,531	85,040	5,560	2,750	-	Waste gas
26,155	-	17,063	5,850	3,531	1,020	5,560	2,750	-	Business
2,928	-	886	-	-	84,020	-	-	-	Private
41,360	4,258	3,854	870	11,000	346	23,985	10,533	20,664	Industrial wastes
12,900	3,390	-	440	6,000	-	18,850	1,533	19,200	Business
28,460	868	3,854	430	5,000	346	5,135	9,000	1,464	Private
2,950	10,000	1,800	2,990	2,054	54,832	12,650	-	-	Living wastes
2,950	10,000	1,800	2,990	2,054	54,832	12,650	-	-	Business
-	-	-	-	-	-	-	-	-	Private
-	-	-	-	-	-	-	-	-	Municipal solid wastes
-	-	-	-	-	-	-	-	-	Business
-	-	-	-	-	-	-	-	-	Refinery fuel oil
231,380	30,226	19,947	64,244	6,253	50,440	6,658	3,187	60	Business
229,610	30,096	19,800	63,920	6,060	50,080	5,878	2,715	-	Private
1,770	130	147	324	193	360	780	472	60	Fuel cells
-	-	-	346,330	-	-	-	-	-	Business
-	-	-	346,330	-	-	-	-	-	Private
-	-	-	-	-	-	-	-	-	IGCC
-	-	-	-	-	-	-	-	-	Business

1. Excludes the pumped storages.

Source: Korea Energy Agency

## 6. 2021 신재생에너지 보급용량(발전외-신규)

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
태양열(㎡) <sup>1</sup>	28,379	6	12	-	403	784	414	6	-
지열(kW) <sup>1</sup>	79,130	8,196	1,410	9,742	1,066	226	4,766	1,414	2,834
수열(kW) <sup>1</sup>	46,402	350	-	-	-	-	-	-	-
바이오									
바이오가스(증기톤/시간) <sup>1</sup>	12	-	-	-	-	-	5	-	-
매립지가스(증기톤/시간) <sup>1</sup>	-	-	-	-	-	-	-	-	-
바이오디젤(kℓ/년) <sup>2</sup>	1,259,230	138,366	70,698	57,510	80,764	34,045	31,737	28,066	8,368
우드칩(증기톤/시간) <sup>1</sup>	35	-	-	-	-	-	-	-	-
성형탄(톤/년) <sup>3</sup>	25,234	4,204	1,620	1,107	1,257	709	746	645	155
임산연료(톤/년) <sup>3</sup>	336,035	95	-	163	581	1,097	720	-	1,100
목재펠릿(증기톤/시간) <sup>1</sup>	14	-	-	-	-	-	-	-	-
폐목재(증기톤/시간) <sup>1</sup>	-	-	-	-	-	-	-	-	-
흑액(증기톤/시간) <sup>1</sup>	-	-	-	-	-	-	-	-	-
하수슬러지고형연료(증기톤/시간) <sup>1</sup>	-	-	-	-	-	-	-	-	-
Bio-SRF(증기톤/시간) <sup>1</sup>	15	-	-	-	-	-	-	-	-
폐기물									
폐가스(증기톤/시간) <sup>1</sup>	-	-	-	-	-	-	-	-	-
산업폐기물(증기톤/시간) <sup>1</sup>	75	-	-	-	-	-	-	-	-
생활폐기물(증기톤/시간) <sup>1</sup>	149	-	-	-	-	-	-	-	-
시멘트킬른보조연료(톤/년) <sup>4</sup>	2,025,596	-	-	-	-	-	-	-	-
SRF(증기톤/시간) <sup>1</sup>	102	-	4	-	-	-	-	-	-
정제연료유(kℓ/년) <sup>3</sup>	-	-	-	-	-	-	-	-	-

1. 태양열, 지열, 수열, 바이오가스, 매립지가스, 우드칩, 목재펠릿, 폐목재, 흑액, 하수슬러지고형연료, Bio-SRF, 폐가스, 산업폐기물, 생활폐기물, SRF는 각 연도별 신설 용량임

2. 바이오디젤 용량은 해당연도 기준 생산능력임

3. 성형탄, 임산연료, 정제연료유는 해당연도 기준 생산량(판매량)임

4. 시멘트킬른보조연료 용량은 해당연도 기준 소비량임

자료: 한국에너지공단



## 6. 2021 Facility of New & Renewable Energy(Except generation-New)

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
2,176	1,138	1,317	788	1,423	8,689	5,944	5,249	30	Solar thermal(m <sup>2</sup> ) <sup>1</sup>
15,895	8,016	4,065	5,626	4,815	4,468	4,439	2,154	-	Geothermal(kW) <sup>1</sup>
210	980	-	3,852	1,587	21,913	3,185	10,780	3,546	Hydro thermal(kW) <sup>1</sup>
									Bio
6	1	-	-	-	-	-	-	-	Bio gas(steam ton/h) <sup>1</sup>
-	-	-	-	-	-	-	-	-	LFG(steam ton/h) <sup>1</sup>
311,975	47,278	48,491	65,825	55,017	69,945	84,541	94,354	32,251	Bio-diesel(kL/y) <sup>2</sup>
-	-	-	-	35	-	-	-	-	Wood chip(steam ton/h) <sup>1</sup>
5,999	1,020	913	1,109	864	968	1,546	1,920	451	Wood briquette(ton/y) <sup>3</sup>
24,491	90,328	33,085	34,232	20,736	23,574	69,915	32,265	3,653	Fire wood(ton/y) <sup>3</sup>
-	-	14	-	-	-	-	-	-	Wood pellet(steam ton/h) <sup>1</sup>
-	-	-	-	-	-	-	-	-	Waste wood(steam ton/h) <sup>1</sup>
-	-	-	-	-	-	-	-	-	Black liquor(steam ton/h) <sup>1</sup>
-	-	-	-	-	-	-	-	-	Sewage solid fuel(steam ton/h) <sup>1</sup>
-	-	-	15	-	-	-	-	-	Bio-SRF(steam ton/h) <sup>1</sup>
									Waste
-	-	-	-	-	-	-	-	-	Waste gas(steam ton/h) <sup>1</sup>
10	-	-	-	55	-	-	10	-	Industrial wastes(steam ton/h) <sup>1</sup>
14	-	-	129	6	-	-	-	-	Living wastes(steam ton/h) <sup>1</sup>
-	1,415,798	608,067	-	-	1,731	-	-	-	Cement kiln fuel(ton/y) <sup>4</sup>
-	98	-	-	-	-	-	-	-	SRF(steam ton/h) <sup>1</sup>
-	-	-	-	-	-	-	-	-	Refinery fuel oil(kL/y) <sup>3</sup>

Source: Korea Energy Agency

## 7. 2021 신재생에너지 보급용량(발전외-누적)

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
태양열(㎡) <sup>1</sup>	652,234	16,495	18,584	24,445	16,255	15,262	16,189	8,275	2,391
지열(kW) <sup>1</sup>	1,486,778	105,681	18,316	52,459	49,714	21,909	34,578	25,903	92,240
수열(kW) <sup>1</sup>	366,669	350	910	-	4,270	-	-	-	-
바이오 <sup>2</sup>									
바이오가스(증기톤/시간)	644	90	28	32	14	34	29	94	6
매립지가스(증기톤/시간)	147	6	-	126	-	-	15	-	-
우드칩(증기톤/시간)	436	-	30	68	85	-	-	50	-
목재펠릿(증기톤/시간)	2,068	5	27	10	-	-	13	5	7
폐목재(증기톤/시간)	360	-	-	-	37	-	-	5	-
흑액(증기톤/시간)	311	-	-	-	-	-	-	311	-
하수슬러지고형연료(증기톤/시간)	18	-	-	-	-	-	-	-	-
Bio-SRF(증기톤/시간)	825	-	-	-	82	-	-	-	35
폐기물 <sup>2</sup>									
폐가스(증기톤/시간)	-	-	-	-	-	-	-	-	-
산업폐기물(증기톤/시간)	3,728	-	47	84	168	172	94	285	157
생활폐기물(증기톤/시간)	3,100	437	94	87	194	-	94	245	9
SRF(증기톤/시간)	2,199	-	190	-	30	-	49	230	40

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

2. 바이오 및 폐기물은 각 연도별 기준 가동설비 보일러 용량임

자료: 한국에너지공단

## 7. 2021 Facility of New & Renewable Energy(Except generation-Accumulative)

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
63,684	71,271	31,716	59,535	30,447	77,081	96,554	95,214	8,834	Solar thermal(㎡) <sup>1</sup>
322,226	125,743	76,521	125,122	126,680	108,851	107,023	84,137	9,676	Geothermal(kW) <sup>1</sup>
455	8,743	175	42,856	23,559	202,035	10,173	59,828	13,316	Hydro thermal(kW) <sup>1</sup>
									Bio <sup>2</sup>
122	21	19	2	76	3	17	57	2	Bio gas(steam ton/h)
-	-	-	-	-	-	-	-	-	LFG(steam ton/h)
155	3	-	2	35	3	3	-	3	Wood chip(steam ton/h)
132	30	85	39	1,456	24	125	77	34	Wood pellet(steam ton/h)
79	-	29	81	100	30	-	-	-	Waste wood(steam ton/h)
-	-	-	-	-	-	-	-	-	Black liquor(steam ton/h)
13	-	-	6	-	-	-	-	-	Sewage solid fuel(steam ton/h)
330	106	30	170	64	7	-	-	-	Bio-SRF(steam ton/h)
									Waste <sup>2</sup>
-	-	-	-	-	-	-	-	-	Waste gas(steam ton/h)
1,354	-	316	166	208	157	258	250	14	Industrial wastes(steam ton/h)
865	101	138	292	106	68	74	263	34	Living wastes(steam ton/h)
322	98	212	-	108	817	70	33	-	SRF(steam ton/h)

Source: Korea Energy Agency



## 7. 에너지관리 Energy Management

1. 에너지다소비업체  
Large Energy Consumers
2. 에너지다소비업체 에너지 소비  
Energy Consumption of Large Energy Consumers
3. 에너지원별 에너지 사용량  
Energy Consumption by Energy Source
4. 업종별 에너지 절약  
Energy Savings by Sector
5. 2021년 관리대상 대형건물 에너지 사용량 및 절약 실적  
2021 Energy Consumption and  
Energy Saving of Large Building
6. 보일러 보유 현황  
Current Situation of Boilers



## 1. 에너지다소비업체

단위: 업체수

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
1996	2,854	500	184	148	182	28	85	99	-
1997	2,887	506	178	159	174	58	113	103	-
1998	2,594	451	157	137	157	47	98	100	-
1999	1,987	294	117	103	126	33	74	90	-
2000	2,092	333	109	97	130	33	73	96	-
2001	2,088	321	111	100	127	40	72	100	-
2002	2,157	351	108	87	135	38	72	105	-
2003	2,179	349	109	81	140	38	75	107	-
2004	2,294	351	111	83	133	39	70	122	-
2005	2,811	353	158	125	169	57	96	152	-
2006	2,754	385	153	117	149	52	98	145	-
2007	2,763	402	150	116	143	51	94	144	-
2008	2,903	397	164	122	149	52	101	144	-
2009	2,860	401	148	120	145	50	97	139	-
2010	3,054	425	151	132	157	54	102	146	-
2011	3,178	413	151	137	163	58	107	156	-
2012	3,252	424	158	135	167	58	105	163	-
2013	3,594	467	163	145	172	61	111	175	25
2014	3,777	456	170	157	188	67	114	184	29
2015	4,393	581	213	186	227	80	127	203	30
2016	4,578	594	253	187	242	83	131	204	32
2017	4,682	592	261	187	246	82	132	205	35
2018	4,694	591	254	191	255	83	131	204	34
2019	4,695	589	246	187	249	77	129	201	35
2020	4,714	580	239	162	241	74	127	206	38
2021	4,863	583	243	173	249	78	132	208	39
건물	1,367	468	83	39	90	21	70	11	8
수송	408	81	58	22	32	9	14	11	
발전	41	1	2	-	4	-	-	2	1
산업계	3,047	33	100	112	123	48	48	184	30
식품	325	3	8	9	16	6	6	3	4
섬유	111	-	3	27	-	3	-	1	-
제지목재	124	1	1	6	8	2	4	3	3
화공	683	1	10	6	20	9	11	96	7
요업	187	1	-	2	6	-	-	4	7
금속	1,210	-	59	46	50	21	18	60	6
에너지산업	121	8	5	5	9	2	3	6	1
기타	286	19	14	11	14	5	6	11	2

자료: 한국에너지공단

## 1. Large energy consumers

Unit: each

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
540	60	141	134	127	76	277	257	16	1996
519	58	140	125	121	99	269	250	15	1997
469	59	115	112	108	93	246	231	14	1998
368	51	92	93	91	77	181	188	9	1999
447	48	100	89	90	74	176	188	9	2000
451	50	87	101	97	77	164	180	10	2001
474	51	97	101	97	75	170	186	10	2002
478	50	109	113	90	73	171	186	10	2003
551	51	108	119	91	76	178	200	11	2004
614	61	126	195	103	100	228	259	15	2005
595	54	132	188	105	99	220	250	12	2006
591	54	145	192	107	99	215	248	12	2007
611	55	171	214	111	101	235	264	12	2008
606	53	168	218	111	107	236	249	12	2009
638	61	175	239	121	113	254	268	18	2010
664	66	187	258	125	120	271	286	16	2011
688	67	194	266	127	122	276	284	18	2012
761	70	228	275	150	151	307	314	19	2013
817	78	242	301	159	158	318	319	20	2014
940	92	271	336	183	183	357	358	26	2015
985	100	279	346	189	184	375	367	27	2016
1,029	105	294	364	190	181	382	370	27	2017
1,038	113	298	370	183	181	376	366	26	2018
1,059	112	305	377	181	182	372	365	29	2019
1,101	104	310	384	189	190	364	374	31	2020
1,143	102	330	403	195	194	375	383	33	2021
381	29	23	28	17	14	26	46	13	Building
78	7	11	8	11	15	19	25	7	Transport
4	5	-	5	2	3	4	4	4	Generating
680	61	296	362	165	162	326	308	9	Total industry
78	14	46	40	41	9	16	24	2	Food
42	-	5	-	6	2	18	4	-	Textile
36	-	9	14	13	2	6	14	2	Paper, wood
124	3	88	99	40	81	55	33	-	Chemical
32	17	26	31	9	18	23	11	-	Ceramics
236	11	105	150	40	28	187	193	-	Metal
42	3	4	10	7	8	2	5	1	Energy
90	13	13	18	9	14	19	24	4	Others

Source: Korea energy agency

## 2. 에너지다소비업체 에너지 소비

단위: 1,000 toe

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
1996	73,564	2,109	1,503	651	5,292	158	384	10,242	-
1997	76,981	1,850	1,221	634	5,393	198	519	12,188	-
1998	70,221	1,473	824	648	4,001	170	352	9,539	-
1999	71,531	1,324	754	702	4,039	175	509	9,994	-
2000	78,785	1,576	778	672	4,496	186	480	10,536	-
2001	86,634	1,546	716	671	5,127	202	469	10,585	-
2002	89,377	1,461	684	632	5,618	191	478	10,547	-
2003	93,748	1,458	810	573	5,935	191	492	10,857	-
2004	98,545	1,427	2,200	594	7,186	199	529	11,511	-
2005	101,807	1,520	2,239	744	8,672	248	548	11,019	-
2006	103,271	1,683	2,977	697	9,364	232	541	11,292	-
2007	111,748	1,789	2,910	705	10,448	231	537	10,788	-
2008	118,032	1,738	2,579	712	11,415	222	525	10,398	-
2009	118,322	1,624		682	12,721		517		-
2010	136,002	1,890	3,185	752	14,796	268	564	11,332	-
2011	147,281	1,790	3,101	754	16,158	364	576	12,158	-
2012	148,797	1,945	2,915	739	17,723	355	585	12,907	-
2013	151,037	1,874	3,409	758	18,072	414	589	12,881	259
2014	153,578	1,551	2,993	796	17,922	387	579	11,800	655
2015	156,068	2,619	2,296	1,273	16,809	447	965	11,634	668
2016	164,600	2,685	2,651	1,337	16,874	434	987	12,525	670
2017	163,280	2,569	2,411	1,261	15,515	436	1,006	12,086	707
2018	169,561	X	2,855	1,254	15,736	424	979	13,654	X
2019	168,155	2,864	2,440	1,254	14,882	396	945	13,655	621
2020	154,944	X	2,436	1,099	14,232	386	906	12,871	X
2021	162,357	X	X	1,212	14,654	410	930	X	X
건물	2,948	1,084	186	78	154	44	200	23	15
수송	2,941	1,022	340	78	119	30	334	44	-
발전	52,336	X	X	-	9,727	-	-	X	X
산업계	104,233	377	739	1,056	4,654	336	397	11,610	175
식품	1,373	X	35	21	158	25	28	29	9
섬유	263	-	X	38	-	11	-	X	-
제지목재	1,227	X	X	93	49	X	90	305	35
화학	26,166	X	31	X	820	50	75	8,810	27
요업	5,043	X	-	X	25	-	-	X	60
금속	38,813	-	524	137	647	148	59	1,599	33
에너지산업	30,453	245	110	715	2,828	X	127	824	X
산업기타	895	110	28	33	126	14	16	17	X

주: 특정 항목에 해당하는 사업장 수가 2개 이하 또는 연관관계로 인해 특정사업장을 식별할 수 있는 경우, 비밀보호를 위해 X표 처리  
 자료: 한국에너지공단



## 2. Energy consumption of large energy consumers

Unit: 1,000 toe

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
7,873	4,292	2,392	10,724	1,776	11,725	8,218	5,840	385	1996
7,416	4,071	2,543	12,203	1,889	12,253	8,866	5,279	458	1997
5,696	3,304	1,974	12,397	1,500	12,759	8,366	6,900	320	1998
6,257	3,568	2,027	12,696	1,565	12,882	8,433	6,343	263	1999
5,358	3,785	1,979	14,715	1,602	13,731	8,431	10,158	301	2000
7,528	3,972	2,107	18,687	1,507	13,758	8,284	11,140	337	2001
7,291	3,932	2,244	20,510	1,568	13,776	8,931	11,160	354	2002
7,241	4,081	2,279	20,998	1,485	14,533	9,078	13,384	353	2003
6,993	3,822	2,181	21,024	1,560	15,795	9,467	13,666	392	2004
8,007	3,724	1,925	21,950	1,570	16,566	9,603	13,033	437	2005
7,529	3,639	2,246	26,200	1,574	16,374	10,582	12,476	542	2006
8,182	3,967	2,232	30,077	1,578	16,886	11,913	13,583	534	2007
7,789	4,413	2,129	30,520	1,585	17,269	10,648	13,900	592	2008
7,553	4,381			1,587	16,635		15,533		2009
8,827	4,455	2,273	35,904	2,366	20,507	11,414	16,866	601	2010
9,404	4,632	2,330	40,210	3,221	22,785	11,889	17,281	627	2011
10,506	4,492	2,483	39,460	3,274	23,028	11,366	16,334	682	2012
11,441	4,244	2,635	39,663	3,225	23,215	11,454	16,215	688	2013
11,629	4,721	2,637	41,881	3,354	24,473	12,368	15,257	576	2014
15,322	4,327	2,860	40,336	3,205	25,049	12,316	15,352	591	2015
16,581	4,899	3,056	43,519	4,084	25,709	12,580	15,410	599	2016
17,399	7,591	3,031	42,335	3,709	26,274	12,156	14,238	556	2017
19,711	9,699	3,024	41,984	X	26,491	12,539	13,573	426	2018
20,231	9,051	3,165	43,358	3,596	26,557	12,541	12,155	445	2019
19,412	7,668	3,276	39,286	3,320	24,500	12,102	8,971	413	2020
21,442	8,058	3,334	38,892	X	26,149	12,124	10,961	462	2021
713	111	53	47	38	23	56	88	36	Building
468	27	50	33	39	81	71	77	28	Transport
2,045	3,529	-	22,174	X	1,899	419	7,220	380	Generating
18,216	4,391	3,231	16,638	3,098	24,146	11,577	3,576	18	Total industry
323	60	200	123	183	28	53	80	X	Food
81	-	11	-	15	X	89	6	-	Textile
165	-	84	104	132	X	38	107	X	Paper, wood
559	6	364	6,219	429	8,052	581	120	-	Chemical
304	1,913	1,589	366	124	266	315	52	-	Ceramics
3,752	100	871	7,966	480	11,444	9,974	1,079	-	Metal
12,789	2,276	77	1,800	1,717	4,294	X	2,078	X	Energy
243	37	35	60	17	46	X	54	7	Others

Note: X is the identifiable individual information.

Source: Korea energy agency

## 3. 에너지원별 에너지 사용량

단위: 1,000 toe, GWh

		전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
2001	연료	77,297	1,129	489	565	4,538	106	323	9,051	
	전력	108,571	4,846	2,638	1,233	6,852	1,115	1,701	17,835	
2002	연료	79,537	994	446	529	4,988	93	323	8,904	
	전력	114,419	5,429	2,768	1,252	7,328	1,143	1,799	19,108	-
2003	연료	83,413	966	461	477	5,261	93	315	9,203	-
	전력	120,178	5,717	4,053	1,170	7,832	1,148	2,061	19,231	-
2004	연료	87,690	932	1,833	490	6,499	91	346	9,782	-
	전력	126,221	5,764	4,268	1,277	7,987	1,258	2,115	20,105	-
2005	연료	89,479	1,002	1,810	575	7,938	122	349	9,256	-
	전력	143,352	6,018	4,994	1,971	8,538	1,460	2,323	20,503	-
2006	연료	90,909	1,108	1,997	527	8,663	113	329	9,386	-
	전력	143,741	6,693	4,970	1,971	8,144	1,434	2,468	20,499	-
2007	연료	98,811	1,173	2,544	531	9,724	106	323	9,671	-
	전력	150,432	7,162	5,035	2,030	8,427	1,473	2,494	18,858	-
2008	연료	104,216	1,049	2,434	520	10,740	105	305	8,832	-
	전력	160,647	8,009	5,537	2,230	7,840	1,470	2,557	22,742	-
2009	연료	105,561	1,356	2,180	524	12,071	116	385	8,678	-
	전력	172,076	13,993	6,302	2,492	8,533	1,703	3,505	20,185	-
2010	연료	120,756	1,186	2,693	549	14,102	121	323	9,453	-
	전력	177,277	8,194	5,717	2,360	8,071	1,709	2,799	21,840	-
2011	연료	130,631	1,109	2,564	542	15,443	195	319	10,090	-
	전력	193,607	7,911	6,238	2,468	8,310	1,965	2,999	24,049	-
2012	연료	131,794	1,241	2,498	529	16,988	184	329	10,764	-
	전력	197,713	8,181	4,852	2,446	8,544	1,985	2,978	24,914	-
2013	연료	133,026	1,130	2,966	526	17,336	253	317	10,667	-
	전력	209,434	8,652	5,167	2,693	8,558	1,877	3,157	25,741	-
2014	연료	134,797	816	2,560	550	17,159	214	294	9,560	-
	전력	218,378	8,540	5,032	2,856	8,862	2,011	3,311	26,047	-
2015	연료	136,762	1,727	1,012	15,986	266	487	9,405	559	-
	전력	224,487	10,365	3,032	9,574	2,097	5,562	25,912	1,264	-
2016	연료	144,908	1,757	1,070	16,040	251	504	10,084	561	-
	전력	228,976	10,795	3,113	9,700	2,126	5,609	28,379	1,264	-
2017	연료	143,043	1,649	1,893	986	14,640	255	497	9,727	599
	전력	235,311	10,698	6,028	3,195	10,170	2,107	5,916	27,430	1,255
2018	연료	148,913	1,721	2,346	982	14,865	248	464	11,323	717
	전력	240,094	10,983	5,917	3,160	10,123	2,044	5,988	27,108	1,265
2019	연료	147,493	1,903	1,932	989	14,047	230	438	11,033	507
	전력	240,253	11,172	5,907	3,091	9,711	1,927	5,898	30,489	1,320
2020	연료	134,977	2,314	1,922	862	13,435	230	410	10,358	693
	전력	232,178	10,902	5,969	2,762	9,264	1,819	5,769	29,219	1,404
2021	연료	141,230	2,470	2,080	943	13,811	242	411	10,696	729
	전력	245,673	11,320	5,949	3,132	9,807	1,954	6,043	29,329	1,525
에너지원별		162,357	X	X	1,212	14,654	410	930	X	X
석탄류		75,981	-	44	178	6,700	-	-	571	-
석유류		6,903	719	239	102	91	13	93	1,501	7
가스류		58,345	X	X	662	7,019	229	317	X	X
연료계		141,230	2,470	2,080	943	13,811	242	411	10,696	729
전력		245,673	11,320	5,949	3,132	9,807	1,954	6,043	29,329	1,525

자료: 한국에너지공단

## 3. Energy consumption by energy source

Unit: 1,000 toe, GWh

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju		
6,326 13,971	3,538 5,057	1,631 5,543	17,877 9,424	1,058 5,218	12,753 11,683	7,206 12,536	10,385 8,780	325 138	Fuel Electricity	2001
6,023 14,696	3,493 5,143	1,735 5,920	19,733 9,038	1,100 5,439	12,800 11,350	7,571 15,754	10,463 8,108	342 144	Fuel Electricity	2002
6,011 14,255	3,634 5,256	1,766 5,966	20,119 10,224	1,017 5,450	13,432 12,811	7,632 16,752	12,687 8,103	340 149	Fuel Electricity	2003
5,659 15,470	3,390 5,075	1,654 6,127	20,001 11,897	1,062 5,796	14,716 12,545	7,920 17,925	12,938 8,460	379 154	Fuel Electricity	2004
6,401 18,671	3,288 5,072	1,393 6,189	20,590 15,818	1,049 6,066	15,360 14,021	7,742 21,641	12,187 9,835	417 233	Fuel Electricity	2005
5,850 19,516	3,202 5,085	1,363 6,548	22,120 15,430	1,026 6,372	15,168 14,018	7,861 21,673	11,727 8,715	468 206	Fuel Electricity	2006
6,312 21,746	3,480 5,659	1,580 7,751	24,779 16,527	996 6,765	15,654 14,330	8,608 22,956	12,805 9,039	526 178	Fuel Electricity	2007
5,789 23,265	3,889 6,087	1,573 7,666	28,468 18,713	983 7,008	16,022 14,499	9,903 23,369	13,079 9,539	524 118	Fuel Electricity	2008
5,773 24,368	3,914 6,382	1,495 7,556	28,949 18,835	967 7,599	15,202 16,763	8,625 24,007	14,744 9,644	584 211	Fuel Electricity	2009
6,632 25,529	3,922 6,205	1,573 8,145	33,917 23,111	1,597 8,942	18,951 18,095	9,371 23,757	15,781 12,609	584 194	Fuel Electricity	2010
6,968 28,334	4,018 7,142	1,591 8,595	37,961 26,150	2,297 10,744	21,079 19,834	9,679 25,697	16,164 12,982	611 187	Fuel Electricity	2011
7,840 30,997	3,895 6,947	1,682 9,317	37,117 27,248	2,359 10,645	21,268 20,469	9,182 25,404	15,253 12,571	664 213	Fuel Electricity	2012
8,593 33,123	3,634 7,094	1,774 10,013	37,215 28,464	2,279 10,996	21,290 22,378	9,129 27,034	15,087 13,120	668 228	Fuel Electricity	2013
8,613 35,072	4,075 7,507	1,726 10,597	39,230 30,832	2,329 11,923	22,405 24,043	10,076 26,645	14,092 13,553	555 238	Fuel Electricity	2014
12,103 37,426	3,680 7,527	1,900 11,159	37,739 30,190	2,228 11,364	22,929 24,661	10,105 25,714	14,216 13,208	569 251	Fuel Electricity	2015
13,239 38,862	4,282 7,170	2,041 11,799	40,905 30,394	3,094 11,505	23,612 24,384	10,441 24,870	14,259 13,385	577 261	Fuel Electricity	2016
13,763 42,274	6,959 7,351	1,965 12,388	39,589 31,930	2,734 11,341	24,148 24,725	10,004 25,023	13,102 13,209	533 271	Fuel Electricity	2017
15,711 46,506	9,086 7,133	1,911 12,945	39,150 32,949	2,761 11,174	24,364 24,726	10,398 24,891	12,466 12,862	398 323	Fuel Electricity	2018
16,160 47,341	8,454 6,942	2,005 13,484	40,430 34,052	2,683 10,615	24,634 22,358	10,522 23,478	11,112 12,124	415 345	Fuel Electricity	2019
15,170 49,323	7,085 6,770	2,012 14,695	36,657 30,569	2,475 9,831	22,754 20,307	10,290 21,070	7,925 12,165	384 341	Fuel Electricity	2020
16,804 53,930	7,453 7,033	2,087 14,497	36,228 30,971	2,737 10,235	24,180 22,904	10,139 23,075	9,796 13,541	425 429	Fuel Electricity	2021
21,442 476 447 15,881 16,804 53,930	8,058 6,253 415 785 7,453 7,033	3,334 1,043 489 555 2,087 14,497	38,892 27,494 1,103 7,631 36,228 30,971	X 1,770 102 X 2,737 10,235	26,149 14,416 1,139 8,625 24,180 22,904	12,124 8,069 130 1,940 10,139 23,075	10,961 8,968 217 611 9,796 13,541	462 - 94 331 425 429	Energy source Coal Petroleum Gas Sub total Electricity	

Source: Korea Energy Agency

## 4. 업종별 에너지 절약

단위: 1,000 toe

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
1996	3,975	1,066	38	15	1,014	9	18	162	-
1997	1,081	53	28	9	62	10	14	150	-
1998	1,495	64	33	16	61	8	21	323	-
1999	1,248	61	22	9	36	2	20	260	-
2000	1,493	34	16	10	47	6	10	237	-
2001	1,255	24	11	7	52	7	8	232	-
2002	1,207	26	12	14	64	7	9	219	-
2003	1,344	28	15	12	36	10	11	252	-
2004	1,594	47	30	15	185	5	16	210	-
2005	2,001	36	70	13	712	8	7	177	-
2006	1,616	44	20	35	74	6	22	193	-
2007	1,648	35	33	15	50	9	11	155	-
2008	1,556	36	26	17	63	9	13	184	-
2009	1,572	40	50	9		8	13	203	-
2010	1,869	39	25	12	61	7	7	126	-
2011	1,677	37	22	8	84	6	49	168	-
2012	1,827	28	44	13	106	5	57	150	-
2013	1,858	31	15	8	98	6	10	179	5
2014	1,821	36	17	9	108	7	7	136	13
2015	1,864	31	7	102	6	28	142	10	21
2016	1,861	26	5	118	6	21	213	8	23
2017	1,816	34	44	142	13	8	146	5	17
2018	2,233	X	61	7	125	7	5	174	X
2019	2,342	X	14	4	140	6	17	159	X
2020	1,852	X	9	4	118	6	10	119	X
2021	1,956	X	X	5	142	7	10	X	X
건물	43	16	2	1	3	2	2	1	0
수송	13	3	1	1	1	0	0	-	-
발전	424	X	X	-	19	-	-	X	X
산업계	1,476	2	9	3	118	5	9	288	4
식품	23	X	0	0	2	1	1	1	0
섬유	3	-	X	1	-	0	-	X	-
제지목재	33	X	X	0	3	X	0	13	1
화학	452	X	1	X	6	0	1	266	0
요업	330	X	-	X	0	-	-	X	0
금속	314	-	8	1	6	3	6	8	3
에너지산업	287	-	0	0	99	X	0	0	X
산업기타	34	2	0	1	2	0	1	0	X

주: 특정 항목에 해당하는 사업장 수가 2개 이하 또는 연관관계로 인해 특정사업장을 식별할 수 있는 경우, 비밀보호를 위해 X표 처리  
 자료: 한국에너지공단

## 4. Energy savings by sector

Unit: 1,000 toe

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
360	238	65	164	109	273	95	346	5	1996
183	97	56	50	45	135	102	83	4	1997
213	73	69	202	50	159	120	81	3	1998
124	62	42	149	52	212	130	64	3	1999
140	60	52	173	42	354	175	133	3	2000
125	48	40	146	42	278	99	134	2	2001
122	65	39	157	27	233	125	86	2	2002
130	59	42	193	34	274	147	98	3	2003
136	68	77	108	42	392	151	111	2	2004
137	125	65	196	57	195	80	118	4	2005
202	200	51	179	53	226	131	140	2	2006
235	69	34	224	46	439	200	137	2	2007
277	77	93	221	65	207	147	78	3	2008
217	34	68	272	51	322		74	3	2009
304	26	45	301	88	308	431	85	3	2010
368	42	74	238	51	357	95	74	4	2011
299	90	54	328	34	392	126	102	2	2012
349	83	91	348	51	360	129	94	1	2013
297	81	53	395	94	282	172	114	1	2014
358	74	58	533	69	210	162	49	5	2015
300	102	56	345	88	207	291	47	5	2016
308	98	77	332	37	201	243	106	6	2017
758	151	79	331	X	166	214	66	1	2018
803	188	199	381	X	148	133	64	1	2019
331	76	131	672	33	183	51	59	2	2020
334	192	132	413	X	164	70	52	2	2021
10	2	0	2	1	0	0	1	1	Building
1	-	0	0	0	2	2	3	-	Transport
65	15	-	225	X	22	-	19	1	Generating
257	175	132	186	52	140	68	29	0	Total industry
6	1	3	2	3	1	0	2	X	Food
2	-	0	-	0	X	0	0	-	Textile
11	-	1	2	1	X	-	2	X	Paper, wood
4	-	4	95	10	61	3	1	-	Chemical
1	169	117	5	18	13	6	0	-	Ceramics
120	2	7	79	18	22	16	16	-	Metal
91	0	0	4	1	43	X	6	X	Energy
23	2	0	1	0	0	X	1	-	Others

Note: X is the identifiable individual information.  
Source: Korea Energy Agency

## 5. 2021년 관리대상 대형건물 에너지 사용량 및 절약실적

단위: toe

	에너지 사용 실적										
	합계 Total	상용 Commercial	공공 Public	아파트 Apartment	호텔 Hotel	병원 Hospital	학교 School	전화국 Telephone	연구소 Research	백화점 Department	기타 Others
전국	2,947,581	291,682	165,784	599,152	225,400	354,358	303,235	231,893	264,925	248,072	263,080
서울	1,083,970	183,925	49,860	203,102	72,501	150,611	104,882	104,675	36,907	84,748	92,759
부산	185,605	8,247	X	59,262	17,529	18,981	15,138	14,917	X	20,051	26,580
대구	77,871	-	X	18,563	X	23,682	X	X	X	14,181	X
인천	153,777	8,100	X	46,113	X	16,282	7,227	8,420	10,043	11,273	8,222
광주	43,654	2,805	7,690	X	-	7,406	15,150	-	X	5,041	X
대전	200,231	4,773	X	48,369	-	12,693	25,616	X	91,351	10,041	-
울산	22,700	-	-	2,410	X	X	X	-	-	X	X
세종	14,524	-	X	2,428	-	X	X	-	-	-	X
경기	712,522	79,667	9,462	158,532	-	65,421	39,189	80,302	99,244	80,794	99,911
강원	111,354	X	X	-	72,835	8,493	10,773	X	-	-	-
충북	52,511	-	X	5,656	X	X	11,271	-	X	X	16,003
충남	46,833	-	X	8,590	4,781	X	12,417	X	X	X	-
전북	38,136	-	7,322	X	X	X	10,608	-	X	X	-
전남	23,250	-	X	X	4,714	X	4,742	-	X	X	-
경북	56,378	X	6,974	8,608	X	X	18,099	-	11,381	X	X
경남	88,263	X	X	28,428	X	17,424	6,871	X	X	9,544	10,737
제주	36,003	-	X	-	27,106	X	X	-	-	-	X

주: 특정 항목에 해당하는 사업장 수가 2개 이하 또는 연관관계로 인해 특정사업장을 식별할 수 있는 경우, 비밀보호를 위해 X표 처리  
 자료: 한국에너지공단

## 5. 2021 Energy consumption and energy saving of large building

Unit: toe

에너지 절약 실적											
합계 Total	상용 Commercial	공공 Public	아파트 Apartment	호텔 Hotel	병원 Hospital	학교 School	전화국 Telephone	연구소 Research	백화점 Department	기타 Others	
42,935	4,954	4,917	2,635	2,565	3,504	6,124	1,446	8,960	4,365	3,467	Total
15,531	3,577	594	348	983	1,639	1,013	639	3,542	553	2,645	Seoul
1,656	-	X	115	60	2	1,171	42	X	160	13	Busan
1,135	-	X	77	X	106	X	X	X	82	X	Eaegu
3,308	46	X	13	X	161	412	388	44	212	1	Incheon
1,625	2	751	X	-	34	518	-	X	32	X	Gwangju
1,572	0	X	0	-	301	210	X	343	169	-	Daejeon
937	-	-	3	X	X	X	-	-	X	X	Ulsan
5	-	X	3	-	X	X	-	-	-	X	Sejong
10,064	1,314	35	525	-	593	216	302	4,913	1,471	696	Gyeonggi
1,608	X	X	-	1,261	67	215	X	-	-	-	Gangwon
233	-	X	-	X	X	80	-	X	X	41	Chungbuk
2,038	-		-	108	X	537	X	X	X	-	Chungnam
724	-	119	X	X	X	329	-	X	X	-	Jeonbuk
75	-	X	X	2	X	21	-	X	X	-	Jeonnam
343	X	72	2	X	-	207	-	8	X	X	Gyeongbuk
1,375	X	X	896	X	10	120	X	X	136	0	Gyeongnam
706	-	X	-	30	X	X	-	-	-	X	Jeju

Note: X is the identifiable individual information.  
Source: Korea Energy Agency

## 6. 보일러 보유 현황

단위: 대수

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
1996	11,133	2,165	385	358	717	101	330	-	-
1997	9,051	1,742	421	386	473	154	468	587	-
1998	8,929	1,677	405	335	460	155	386	591	-
1999	6,400	1,123	301	205	333	125	333	390	-
2000	7,946	1,366	321	225	307	138	354	405	-
2001	7,800	1,244	337	217	353	155	335	452	-
2002	7,731	1,423	341	203	333	141	350	409	-
2003	8,227	1,471	323	190	347	147	350	464	-
2004	8,347	1,383	309	192	392	139	334	468	-
2005	10,146	1,625	395	268	411	185	445	531	-
2006	8,914	1,513	342	249	438	161	433	545	-
2007	9,406	1,518	410	327	368	152	442	531	-
2008	9,578	1,503	436	340	423	144	438	511	-
2009	9,648	1,631	410	327	401	176	389	552	-
2010	10,015	1,623	400	346	383	169	456	570	-
2011	10,432	1,678	398	354	405	173	476	552	-
2012	10,816	1,708	433	356	449	174	495	592	-
2013	11,273	1,836	437	359	406	179	504	563	84
2014	13,469	3,526	469	353	410	186	656	564	95
2015	12,401	1,996	425	380	413	178	711	572	94
2016	14,731	2,050	529	397	503	2,177	736	558	96
2017	12,703	2,086	550	288	469	173	752	582	108
2018	16,377	2,099	553	293	3,595	189	743	590	100
2019	14,759	2,094	529	303	1,540	194	733	503	109
2020	14,433	1,966	453	302	1,505	189	690	510	106
2021	13,823	1,973	453	305	449	201	659	517	130
1 T/H 미만	4,324	586	115	67	110	34	360	104	45
1~3 T/H	3,666	531	98	82	136	54	153	133	28
3~5 T/H	1,986	329	94	43	86	25	50	33	16
5~10 T/H	1,594	302	66	66	52	26	36	36	10
10~20 T/H	837	115	50	19	25	27	32	45	8
20~50 T/H	730	61	11	13	23	9	17	59	6
50~100 T/H	257	30	8	2	3	25	3	26	1
100 T/H 이상	429	19	11	13	14	1	8	81	16

자료: 한국에너지공단



## 6. Current situation of boilers

Unit: each

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
2,221	943	379	352	839	192	647	1,478	26	1996
1,437	244	380	333	381	251	774	998	22	1997
1,403	767	362	335	345	244	691	752	21	1998
1,076	241	275	256	302	223	531	666	20	1999
1,396	674	276	281	733	179	592	659	40	2000
1,333	672	252	323	744	224	605	512	42	2001
1,284	758	300	428	331	224	622	542	42	2002
1,457	752	367	479	326	213	626	678	37	2003
1,578	808	330	505	328	224	616	694	47	2004
1,791	842	393	892	355	242	640	1,077	54	2005
1,679	349	381	649	381	238	649	859	48	2006
1,756	357	501	726	364	227	816	863	48	2007
1,851	462	610	740	371	220	671	814	44	2008
1,841	539	527	782	327	241	642	820	43	2009
1,875	597	560	789	332	225	729	901	60	2010
1,941	625	691	805	333	220	798	927	56	2011
2,027	637	694	913	331	222	780	943	62	2012
2,133	608	748	951	353	288	788	974	62	2013
2,249	647	786	1,039	349	275	788	991	86	2014
2,305	675	835	1,054	426	306	810	1,154	67	2015
2,385	706	821	1,034	397	295	852	1,127	68	2016
2,526	703	842	1,039	396	301	891	939	58	2017
2,549	740	895	1,051	382	284	872	1,375	67	2018
2,549	872	1,027	899	552	296	867	1,388	304	2019
2,580	866	1,077	910	597	292	857	1,234	299	2020
2,679	894	1,106	935	1,084	305	844	1,211	78	2021
782	449	204	133	677	33	239	384	2	1 T/H Not more
732	227	404	242	161	104	231	315	35	1~2.9 T/H
432	109	201	208	53	19	162	111	15	3~4.9 T/H
325	67	164	108	96	32	74	119	15	5~9.9 T/H
138	25	76	74	46	18	64	68	7	10~19.9 T/H
114	6	45	96	30	26	33	181	-	20~49.9 T/H
86	2	3	21	8	23	7	9	-	50~99.9 T/H
70	9	9	53	13	50	34	24	4	100 T/H Over

Source: Korea Energy Agency





## 8. 국가에너지

### National Energy

#### 1. 주요 에너지 지표

Major Energy Indicators

#### 2. 에너지 수출입

Energy Export and Import

#### 3. 에너지 수입액

Import Amount of Energy

#### 4. 1차에너지 공급 구조

Primary Energy Supply Structure

#### 5. 1차에너지 공급(물량)

Primary Energy Supply(Quantity basis)

#### 6. 1차에너지 공급(열량)

Primary Energy Supply(Calorie basis)

#### 7. 최종에너지 소비(물량)

Final Energy Consumption(Quantity basis)

#### 8. 최종에너지 소비(열량)

Final Energy Consumption(Calorie basis)

#### 9. 광산물 생산종합

Major Indicators of Mineral Products

## 1. 주요 에너지 지표

	에너지수급 Energy Supply & Demand		1차에너지 원별 구성비 Composition of Primary Energy					
	1차에너지 Primary Energy	최종에너지 Final Energy	석탄 Coal	석유 Petroleum	천연가스 LNG	수력 Hydro	원자력 Nuclear	신재생 및 기타 Renewables & Others
	1,000 toe		%					
1991	103,294	83,336	23.4	57.7	3.4	1.2	13.6	0.6
1992	115,962	94,403	20.3	61.9	4.0	1.0	12.2	0.6
1993	126,836	103,850	20.4	61.9	4.5	1.2	11.5	0.6
1994	137,108	111,787	19.4	63.0	5.6	0.7	10.7	0.7
1995	149,927	121,400	18.3	62.7	6.1	0.9	11.2	0.7
1996	165,136	131,573	19.4	60.5	7.4	0.8	11.2	0.7
1997	181,058	144,541	19.3	60.4	8.2	0.7	10.6	0.7
1998	166,265	132,177	21.7	54.7	8.3	0.9	13.5	0.9
1999	181,651	143,027	21.0	53.7	9.3	0.8	14.2	1.0
2000	193,240	149,958	22.2	52.1	9.8	0.7	14.1	1.1
2001	198,865	153,103	23.0	50.7	10.5	0.5	14.1	1.2
2002	209,290	160,876	23.5	49.2	11.0	0.6	14.2	1.4
2003	215,772	164,550	23.7	47.8	11.2	0.8	15.0	1.5
2004	220,756	166,452	24.1	45.8	12.8	0.7	14.8	1.8
2005	229,667	171,543	23.9	44.5	13.4	0.6	16.0	1.7
2006	234,062	174,873	24.2	43.8	13.7	0.6	15.9	1.9
2007	236,486	182,015	25.2	44.7	14.6	0.5	13.0	2.0
2008	240,994	183,054	27.4	41.6	14.8	0.5	13.5	2.2
2009	243,500	182,080	28.2	42.1	13.9	0.5	13.0	2.3
2010	264,053	195,401	29.2	39.6	16.3	0.5	12.1	2.3
2011	276,997	205,239	30.2	38.1	16.7	0.6	12.0	2.4
2012	278,325	206,968	29.0	38.1	18.0	0.6	11.4	2.9
2013	279,623	208,362	29.2	37.7	18.8	0.6	10.5	3.2
2014	282,423	210,448	29.9	37.1	16.9	0.6	11.7	3.9
2015	286,921	215,389	29.8	38.0	15.2	0.4	12.1	4.5
2016	293,778	221,936	27.7	40.0	15.5	0.5	11.6	4.6
2017	302,490	231,023	28.5	39.6	15.7	0.5	10.5	5.2
2018	307,557	233,368	28.2	38.5	18.0	0.5	9.2	5.6
2019	303,092	231,353	27.1	38.7	17.7	0.4	10.3	5.8
2020	292,076	222,563	24.7	37.7	18.8	0.5	11.7	6.5
2021	307,312	237,360	23.6	38.4	19.5	0.5	11.0	7.1

1. GDP는 연쇄가격기준

2. ( )는 원자력 발전을 국내생산에 포함시 수입의존도

## 1. Major Energy indicators

1인당 에너지소비량	GDP단위당 1차에너지(2015년 기준) <sup>1</sup>			수입의존도 <sup>2</sup>		
Per Capita Energy	TPES/GDP <sup>1</sup>		지수 Index	Overseas Dependence <sup>2</sup>		
	toe	toe/mil.won	toe/1,000 USD	2015=100	%	
2.39	0.205	0.232	118.6	91.2	(77.6)	1991
2.65	0.217	0.246	125.4	93.6	(81.4)	1992
2.87	0.222	0.251	128.4	94.7	(83.3)	1993
3.07	0.220	0.249	127.0	96.4	(85.7)	1994
3.32	0.219	0.248	126.7	96.8	(85.6)	1995
3.63	0.224	0.253	129.3	97.3	(86.1)	1996
3.94	0.231	0.262	133.5	97.6	(87.0)	1997
3.59	0.224	0.253	129.3	97.1	(83.6)	1998
3.90	0.219	0.248	126.7	97.2	(83.0)	1999
4.11	0.214	0.242	123.6	97.2	(83.1)	2000
4.20	0.210	0.238	121.3	97.3	(83.2)	2001
4.39	0.205	0.232	118.5	97.1	(82.9)	2002
4.51	0.205	0.232	118.4	96.9	(81.9)	2003
4.59	0.199	0.226	115.2	96.6	(81.8)	2004
4.77	0.199	0.225	114.9	96.6	(80.7)	2005
4.83	0.192	0.218	111.2	96.5	(80.6)	2006
4.86	0.184	0.208	106.2	96.6	(83.6)	2007
4.91	0.182	0.206	105.1	96.5	(83.0)	2008
4.94	0.182	0.206	105.3	96.5	(83.4)	2009
5.33	0.185	0.209	107.0	96.5	(84.4)	2010
5.55	0.187	0.212	108.2	96.5	(84.5)	2011
5.54	0.184	0.208	106.2	96.0	(84.6)	2012
5.54	0.179	0.202	103.4	95.7	(85.2)	2013
5.57	0.175	0.198	101.2	95.2	(83.5)	2014
5.62	0.173	0.196	100.0	94.8	(82.7)	2015
5.74	0.172	0.195	99.5	94.6	(83.0)	2016
5.89	0.172	0.194	99.3	94.0	(83.5)	2017
5.96	0.170	0.192	98.1	93.7	(84.4)	2018
5.86	0.164	0.185	94.5	93.5	(83.2)	2019
5.64	0.159	0.180	91.9	92.8	(81.1)	2020
5.94	0.161	0.182	92.9	92.3	(81.3)	2021

1. GDP is based on chained prices.  
2. Figures in parentheses denote overseas dependence ratio excluding nuclear generation.

## 2. 에너지 수출입

	수입 Imports				
	석탄 Coal				소계 Subtotal
	소계 Subtotal	무연탄 Anthracite	유연탄 Bituminous	기타석탄 Others	
1991	29,602	1,410	28,017	175	497,197
1992	30,649	809	29,207	634	645,997
1993	36,590	783	34,853	953	728,322
1994	40,144	699	38,550	895	764,504
1995	44,317	723	42,601	993	830,373
1996	46,507	875	45,136	496	937,051
1997	50,933	722	49,312	899	1,059,226
1998	52,437	789	50,566	1,082	994,989
1999	53,722	1,139	51,101	1,482	1,058,580
2000	64,169	2,038	59,600	2,531	1,098,244
2001	67,035	3,110	61,856	2,069	1,064,148
2002	70,473	3,879	64,640	1,954	1,019,549
2003	72,153	4,640	65,318	2,195	1,024,706
2004	79,697	4,251	72,103	3,342	1,020,900
2005	77,153	4,567	69,330	3,256	1,022,557
2006	80,067	5,113	70,888	4,066	1,080,354
2007	88,899	5,444	79,355	4,100	1,081,671
2008	100,398	5,955	90,470	3,973	1,089,486
2009	103,309	6,468	92,952	3,890	1,103,299
2010	119,304	7,406	106,096	5,802	1,149,264
2011	129,711	8,816	116,118	4,777	1,206,304
2012	126,036	8,055	114,645	3,336	1,256,891
2013	126,994	8,482	116,220	2,292	1,244,280
2014	131,563	8,294	117,873	5,396	1,254,147
2015	135,680	8,938	119,392	7,350	1,333,982
2016	134,930	9,424	118,468	7,038	1,412,727
2017	148,677	7,003	131,464	10,210	1,432,654
2018	149,171	8,201	131,520	9,450	1,457,909
2019	141,792	6,858	132,667	2,266	1,424,070
2020	123,999	6,286	115,486	2,227	1,327,635
2021	117,038	6,475	108,044	2,519	1,352,464

자료: 한국무역협회, 한국석유공사

## 2. Energy Export and Import

수입 Imports				수출 Exports	
석유 Petroleum		천연가스	원자력 원료	석유제품	
원유 Crude Oil	석유제품 Petroleum Product	LNG	Uranium	Petroleum Product	
1,000 bbl		1,000 ton	ton U	1,000 bbl	
387,156	110,041	2,758	205	69,744	1991
508,986	137,011	3,425	138	91,653	1992
560,563	167,759	4,454	354	103,493	1993
573,714	190,790	5,928	313	93,132	1994
624,945	205,428	7,060	310	122,630	1995
721,927	215,124	9,595	378	158,329	1996
873,415	185,811	11,629	449	231,050	1997
819,094	175,895	10,600	844	296,682	1998
874,090	184,490	12,973	612	297,899	1999
893,943	204,301	14,578	576	306,293	2000
859,367	204,781	16,164	723	295,010	2001
790,992	228,557	17,470	778	239,127	2002
804,809	219,897	19,434	750	209,079	2003
825,790	195,110	22,153	808	235,506	2004
843,203	179,354	22,341	714	262,647	2005
888,794	191,560	25,222	737	289,070	2006
872,541	209,130	25,568	823	292,072	2007
864,872	224,614	27,259	883	333,764	2008
835,085	268,214	25,822	913	330,912	2009
872,415	276,849	32,603	824	341,784	2010
927,044	279,260	36,685	907	408,338	2011
947,292	309,599	36,184	748	440,897	2012
915,075	329,205	39,876	795	429,291	2013
927,524	326,623	37,107	721	448,822	2014
1,026,107	307,875	33,366	801	477,425	2015
1,078,119	334,608	33,453	752	487,716	2016
1,118,167	314,487	37,537	1,012	509,113	2017
1,116,281	341,628	44,015	723	531,563	2018
1,071,923	352,147	40,748	747	522,099	2019
980,259	347,376	39,982	690	468,529	2020
960,147	392,317	45,932	512	446,559	2021

Source: Korea International Trade Association, Korea National Oil Corporation

## 3. 에너지 수입액

단위: 백만 달러(CIF)

	국가 총수입 Total Imports	에너지 수입 Energy Imports		석탄 Coal			
		B	B/A(%)	소계	무연탄	유연탄	기타석탄 <sup>1</sup>
	A			Subtotal	Anthracite	Bituminous	Others <sup>1</sup>
1991	81,525	12,754	15.6	1,600	66	1,514	20
1992	81,775	14,654	17.9	1,616	42	1,535	39
1993	83,800	15,088	18.0	1,733	40	1,643	50
1994	102,348	15,471	15.1	1,777	33	1,695	48
1995	135,119	19,053	14.1	2,081	35	1,992	54
1996	150,339	24,243	16.1	2,337	46	2,251	40
1997	144,616	27,308	18.9	2,399	38	2,301	60
1998	93,282	18,276	19.6	2,229	36	2,147	46
1999	119,752	22,745	19.0	1,966	46	1,866	53
2000	160,481	37,888	23.6	2,186	72	2,033	80
2001	141,098	33,894	24.0	2,347	118	2,157	72
2002	152,126	32,290	21.2	2,475	148	2,254	72
2003	178,827	38,306	21.4	2,552	177	2,266	109
2004	224,463	49,600	22.1	4,438	233	3,891	314
2005	261,238	66,697	25.5	5,443	429	4,803	211
2006	309,383	85,566	27.7	5,318	407	4,700	211
2007	356,846	94,978	26.6	6,445	447	5,675	323
2008	435,275	141,475	32.5	12,810	991	11,156	663
2009	323,085	91,160	28.2	9,995	672	8,997	326
2010	425,212	121,654	28.6	13,131	1,016	11,425	690
2011	524,413	172,490	32.9	18,477	1,774	16,052	651
2012	519,584	184,800	35.6	16,069	1,361	14,221	488
2013	515,586	178,698	34.7	13,074	1,143	11,624	307
2014	525,515	174,137	33.1	12,114	921	10,723	471
2015	436,499	102,715	23.5	9,961	813	8,675	474
2016	406,193	80,942	19.9	9,310	759	8,168	383
2017	478,478	109,466	22.9	15,179	933	13,481	765
2018	535,202	145,970	27.3	16,703	1,199	14,668	835
2019	503,343	126,701	25.2	14,209	927	13,062	219
2020	467,633	86,554	18.5	9,596	611	8,805	181
2021	615,093	137,200	22.3	14,699	889	13,485	325

1. 기타석탄에 갈탄, 토탄 포함.  
자료: 한국무역협회



### 3. Import Amount of Energy

Unit: Million USD(CIF)

석유 Petroleum					천연가스  LNG	우라늄  Uranium	
소계 Sub-Total	원유 Crude Oil	납사 Naphtha	LPG	기타제품 Others			
10,585	8,134	622	449	1,381	485	84	1991
12,378	9,548	1,057	596	1,177	562	98	1992
12,439	9,151	1,180	601	1,506	781	135	1993
12,542	8,878	1,227	600	1,837	961	191	1994
15,482	10,809	1,367	896	2,409	1,275	215	1995
19,826	14,432	1,674	1,019	2,702	1,878	201	1996
22,378	17,772	1,874	1,252	1,480	2,296	236	1997
14,284	11,241	1,780	694	568	1,549	214	1998
18,585	14,783	1,970	1,029	804	1,973	222	1999
31,594	25,216	3,396	1,467	1,516	3,882	225	2000
27,323	21,368	3,255	1,219	1,481	3,990	233	2001
25,414	19,200	3,084	1,248	1,883	4,120	280	2002
30,407	23,082	4,122	1,338	1,865	5,082	265	2003
38,274	29,917	5,552	1,509	1,295	6,552	336	2004
52,321	42,606	6,543	1,933	1,240	8,646	286	2005
67,984	55,865	8,143	2,560	1,416	11,925	339	2006
75,390	60,324	10,683	3,097	1,286	12,653	489	2007
108,130	85,855	15,395	4,741	2,139	19,806	729	2008
66,568	50,757	10,687	3,046	2,078	13,875	722	2009
90,903	68,662	14,953	4,313	2,975	17,006	615	2010
129,346	100,806	18,861	5,657	4,023	23,859	807	2011
140,671	108,298	20,498	5,576	6,299	27,364	695	2012
133,961	99,333	21,650	5,089	7,889	30,645	1,018	2013
129,890	94,907	21,845	4,850	8,288	31,403	731	2014
73,106	55,120	11,662	2,638	3,686	18,779	869	2015
58,873	44,295	8,933	2,576	3,069	12,170	589	2016
77,680	59,603	10,899	2,959	4,219	15,616	991	2017
105,502	80,393	15,671	3,665	5,773	23,189	576	2018
91,190	70,252	13,542	3,399	3,997	20,567	736	2019
60,493	44,456	9,985	3,086	2,967	15,716	748	2020
96,304	67,013	9,985	5,206	14,100	25,453	744	2021

1. Includes Brown coal, Peat in Others  
Source: Korea International Trade Association

## 4. 1차에너지 공급 구조

	1차에너지 공급	생산 Production				
		소계 Subtotal	무연탄 Anthracite	천연가스 LNG	수력 Hydro	신재생 및 기타 Renewables & Others
	TPES	1,000 toe	1,000 ton		GWh	1,000 toe
1991	103,294	9,048 (23,126)	15,928	-	5,051	618
1992	115,962	7,467 (21,600)	12,287	-	4,863	722
1993	126,836	6,672 (21,206)	9,840	-	6,006	742
1994	137,108	4,998 (19,661)	6,817	-	4,098	906
1995	149,927	4,835 (21,592)	5,367	-	5,478	1,050
1996	165,136	4,444 (22,925)	4,406	-	5,201	1,161
1997	181,058	4,342 (23,613)	3,659	-	5,404	1,344
1998	166,265	4,766 (27,188)	3,812	-	6,099	1,526
1999	181,651	5,034 (30,800)	3,803	-	6,066	1,806
2000	193,240	5,404 (32,645)	4,159	-	5,610	2,130
2001	198,865	5,305 (33,339)	4,027	-	4,151	2,456
2002	209,290	5,966 (35,742)	3,808	-	5,309	2,925
2003	215,772	6,728 (39,146)	3,924	-	6,887	3,241
2004	220,756	7,397 (40,075)	3,871	163	5,861	3,977
2005	229,667	7,732 (44,427)	4,347	398	5,189	3,961
2006	234,062	8,192 (45,380)	4,596	355	5,219	4,358
2007	236,486	8,141 (38,873)	4,035	271	5,042	4,828
2008	240,994	8,553 (41,008)	4,134	181	5,563	5,198
2009	243,500	8,639 (40,410)	3,114	383	5,641	5,480
2010	264,053	9,161 (41,109)	2,508	415	6,472	6,064
2011	276,997	9,794 (43,059)	2,239	347	7,831	6,617
2012	278,325	11,116 (42,835)	2,288	334	7,652	8,036
2013	279,623	12,145 (41,429)	2,054	355	8,394	8,987
2014	282,423	13,667 (46,668)	1,642	247	7,820	10,956
2015	286,921	14,944 (49,709)	1,541	144	5,796	12,839
2016	293,778	15,747 (49,928)	1,373	118	6,634	13,575
2017	302,490	18,267 (49,882)	1,244	261	6,995	15,848
2018	307,557	19,493 (47,929)	1,099	234	7,270	17,119
2019	303,092	19,754 (50,833)	1,008	198	6,247	17,688
2020	292,076	21,110 (55,229)	886	142	7,148	18,983
2021	307,312	23,661 (57,318)	849	42	6,737	21,769

주: ( ) 안 수치는 원자력발전을 국내생산에 포함한 수치임.

#### 4. Primary Energy Supply Structure

수입 Import						
소계 Subtotal	석탄 Coal	석유 Petroleum	원자력 Nuclear	천연가스 LNG		
1,000 toe	1,000 ton	1,000 bbl	GWh	1,000 ton		
94,246 (80,168)	25,907	424,667	56,311	2,694	1991	
108,494 (94,362)	27,444	514,223	56,530	3,524	1992	
120,165 (105,630)	32,531	564,575	58,138	4,402	1993	
132,110 (117,447)	35,602	621,471	58,651	5,860	1994	
145,092 (128,335)	38,058	677,187	67,029	7,087	1995	
160,693 (142,211)	45,715	721,038	73,924	9,363	1996	
176,717 (157,445)	50,497	793,877	77,086	11,379	1997	
161,499 (139,077)	52,099	670,232	89,689	10,645	1998	
176,617 (150,851)	55,329	719,656	103,064	12,961	1999	
187,836 (160,595)	62,387	742,556	108,964	14,557	2000	
193,560 (165,527)	66,817	743,666	112,133	15,990	2001	
203,323 (173,548)	72,201	762,867	119,102	17,766	2002	
209,043 (176,625)	75,209	762,940	129,672	18,610	2003	
213,359 (180,680)	78,362	750,303	130,715	21,645	2004	
221,935 (185,240)	80,486	761,065	146,779	23,234	2005	
225,870 (188,683)	83,174	765,483	148,749	24,264	2006	
228,345 (197,613)	90,092	794,879	142,937	26,245	2007	
232,442 (199,986)	100,126	760,390	150,958	27,258	2008	
234,862 (203,091)	105,261	778,222	147,771	25,699	2009	
254,892 (222,944)	118,610	794,030	148,596	32,669	2010	
267,203 (233,938)	128,703	801,409	154,723	35,256	2011	
267,208 (235,489)	125,899	825,167	150,327	38,151	2012	
267,478 (238,194)	127,530	821,374	138,784	39,923	2013	
268,757 (235,755)	131,682	818,290	156,407	36,389	2014	
271,977 (237,212)	133,544	853,096	164,762	33,293	2015	
278,031 (243,850)	127,936	921,082	161,995	34,788	2016	
284,223 (252,608)	138,506	939,785	148,427	36,138	2017	
288,064 (259,627)	139,951	931,787	133,505	42,051	2018	
283,338 (252,259)	131,999	927,062	145,910	40,792	2019	
270,966 (236,847)	115,685	872,362	160,184	41,949	2020	
283,651 (249,994)	115,940	934,002	158,015	45,802	2021	

Note: Figures in parentheses are including nuclear generation in domestic production.

## 5. 1차에너지 공급(물량)

	생산 Production			석유 Petroleum	
	소계 Subtotal	무연탄 Anthracite	유연탄 Bituminous	소계 Subtotal	에너지유 Energy Use
	1,000 ton			1,000 bbl	
1991	41,835	17,424	24,411	424,667	308,488
1992	39,731	13,490	26,242	514,223	352,827
1993	42,371	10,819	31,552	564,575	386,698
1994	42,419	7,360	35,059	621,471	424,648
1995	43,425	5,999	37,426	677,187	468,988
1996	50,121	5,312	44,809	721,038	499,935
1997	54,156	4,444	49,712	793,877	507,196
1998	55,911	4,650	51,261	670,232	370,807
1999	59,132	4,995	54,137	719,656	405,863
2000	66,546	6,200	60,346	742,556	409,671
2001	70,843	7,141	63,703	743,666	404,726
2002	76,009	7,735	68,274	762,867	402,143
2003	79,133	8,584	70,549	762,940	395,123
2004	82,233	8,249	73,984	750,303	369,285
2005	84,833	9,037	75,796	761,065	367,039
2006	87,770	9,769	78,001	765,483	355,843
2007	94,127	9,690	84,438	794,879	352,888
2008	104,260	10,247	94,013	760,390	319,902
2009	108,375	9,585	98,789	778,222	319,607
2010	121,118	9,956	111,162	794,030	326,168
2011	130,942	11,072	119,870	801,409	312,369
2012	128,187	10,315	117,872	825,167	312,704
2013	129,584	10,506	119,078	821,374	308,117
2014	133,324	9,925	123,399	818,290	295,804
2015	135,085	10,539	124,547	853,096	318,724
2016	129,309	10,801	118,509	921,082	345,909
2017	139,750	8,260	131,490	939,785	341,213
2018	141,050	9,272	131,779	931,787	336,162
2019	133,007	7,923	125,084	927,062	329,616
2020	116,572	7,189	109,382	872,362	302,344
2021	116,789	7,324	109,465	934,002	307,052

1. 1991년 이전 신재생에너지는 임산연료 기준임.

## 5. Primary Energy Supply(Quantity basis)

		천연가스	수력	원자력	신재생 및 기타 <sup>1</sup>	
LPG	비에너지유 Non-Energy Use	LNG	Hydro	Nuclear	Renewables & Others <sup>1</sup>	
1,000 bbl		1,000 ton	GWh		1,000 toe	
43,131	73,048	2,694	5,051	56,311	618	1991
53,917	107,479	3,524	4,863	56,530	722	1992
59,437	118,440	4,402	6,006	58,138	742	1993
63,452	133,371	5,860	4,098	58,651	906	1994
66,468	141,731	7,087	5,478	67,029	1,050	1995
68,441	152,662	9,363	5,201	73,924	1,161	1996
71,623	215,059	11,379	5,404	77,086	1,344	1997
67,992	231,433	10,645	6,099	89,689	1,526	1998
77,007	236,786	12,961	6,066	103,064	1,806	1999
84,688	248,196	14,557	5,610	108,964	2,130	2000
84,377	254,563	15,990	4,151	112,133	2,456	2001
91,415	269,310	17,766	5,309	119,102	2,925	2002
88,606	279,211	18,610	6,887	129,672	3,241	2003
88,375	292,643	21,809	5,861	130,715	3,977	2004
91,668	302,359	23,632	5,189	146,779	3,961	2005
93,451	316,189	24,619	5,219	148,749	4,358	2006
97,143	344,848	26,516	5,042	142,937	4,828	2007
101,881	338,607	27,439	5,563	150,958	5,198	2008
106,320	352,295	26,083	5,641	147,771	5,480	2009
105,175	362,688	33,083	6,472	148,596	6,064	2010
99,201	389,839	35,603	7,831	154,723	6,617	2011
95,473	416,990	38,485	7,652	150,327	8,036	2012
93,057	420,201	40,278	8,394	138,784	8,987	2013
89,577	432,908	36,636	7,820	156,407	10,956	2014
89,866	444,506	33,438	5,796	164,762	12,839	2014
108,961	466,212	34,906	6,634	161,995	13,575	2016
105,145	493,427	36,398	6,995	148,427	15,848	2017
109,370	486,255	42,285	7,270	133,505	17,119	2018
122,138	475,308	40,991	6,247	145,910	17,688	2019
121,294	448,724	42,091	7,148	160,184	18,983	2020
123,227	503,723	45,844	6,737	158,015	21,769	2021

1. Before 1991, based on Firewood.

## 6. 1차에너지 공급(열량)

단위: 천 toe

	합계		석탄 Coal							
	TPES	증가율 Growth Rate	소계 Subtotal		무연탄 Anthracite		유연탄 Bituminous			
		%		%		%		%		%
1991	103,294	11.2	24,206	23.4	8,065	7.8	16,141	15.6	59,627	57.7
1992	115,962	12.3	23,570	20.3	6,251	5.4	17,319	14.9	71,740	61.9
1993	126,836	9.4	25,840	20.4	5,016	4.0	20,824	16.4	78,495	61.9
1994	137,108	8.1	26,532	19.4	3,394	2.5	23,139	16.9	86,364	63.0
1995	149,927	9.3	27,495	18.3	2,794	1.9	24,701	16.5	94,042	62.7
1996	165,136	10.1	32,100	19.4	2,526	1.5	29,574	17.9	99,923	60.5
1997	181,058	9.6	34,927	19.3	2,118	1.2	32,810	18.1	109,372	60.4
1998	166,265	-8.2	36,051	21.7	2,218	1.3	33,832	20.3	90,904	54.7
1999	181,651	9.3	38,157	21.0	2,426	1.3	35,731	19.7	97,556	53.7
2000	193,240	6.4	42,925	22.2	3,096	1.6	39,829	20.6	100,618	52.1
2001	198,865	2.9	45,724	23.0	3,680	1.9	42,044	21.1	100,827	50.7
2002	209,290	5.2	49,131	23.5	4,070	1.9	45,061	21.5	103,034	49.2
2003	215,772	3.1	51,124	23.7	4,562	2.1	46,563	21.6	103,073	47.8
2004	220,756	2.3	53,198	24.1	4,369	2.0	48,829	22.1	101,085	45.8
2005	229,667	4.0	54,795	23.9	4,770	2.1	50,025	21.8	102,197	44.5
2006	234,062	1.9	56,652	24.2	5,172	2.2	51,480	22.0	102,555	43.8
2007	236,486	1.0	59,653	25.2	5,580	2.4	54,073	22.9	105,718	44.7
2008	240,994	1.9	66,100	27.4	5,927	2.5	60,173	25.0	100,373	41.6
2009	243,500	1.0	68,595	28.2	5,687	2.3	62,908	25.8	102,534	42.1
2010	264,053	8.4	77,142	29.2	6,044	2.3	71,097	26.9	104,499	39.6
2011	276,997	4.9	83,687	30.2	6,827	2.5	76,860	27.7	105,459	38.1
2012	278,325	0.5	80,636	29.0	5,382	1.9	75,254	27.0	106,134	38.1
2013	279,623	0.5	81,544	29.2	5,500	2.0	76,044	27.2	105,515	37.7
2014	282,423	1.0	84,399	29.9	5,226	1.9	79,173	28.0	104,643	37.1
2015	286,921	1.6	85,401	29.8	5,593	1.9	79,808	27.8	109,090	38.0
2016	293,778	2.4	81,499	27.7	5,687	1.9	75,812	25.8	117,605	40.0
2017	302,490	3.0	86,177	28.5	4,524	1.5	81,653	27.0	119,824	39.6
2018	307,557	1.7	86,707	28.2	5,059	1.6	81,648	26.5	118,521	38.5
2019	303,092	-1.5	82,147	27.1	4,426	1.5	77,720	25.6	117,314	38.7
2020	292,076	-3.6	72,241	24.7	3,938	1.3	68,303	23.4	110,240	37.7
2021	307,312	5.2	72,531	23.6	4,019	1.3	68,512	22.3	118,047	38.4

## 6. Primary Energy Supply(Calorie basis)

Unit: Thousand toe

석유 Petroleum						천연가스 LNG		수력 Hydro		원자력 Nuclear		신재생 및 기타 Renewables & Others		
에너지유 Energy Use		LPG		비에너지유 Non-Energy Use										
							%		%		%		%	
45,773	44.3	4,339	4.2	9,515	9.2	3,503	3.4	1,263	1.2	14,078	13.6	618	0.6	1991
52,311	45.1	5,441	4.7	13,988	12.1	4,581	4.0	1,216	1.0	14,133	12.2	722	0.6	1992
57,139	45.0	5,990	4.7	15,366	12.1	5,723	4.5	1,502	1.2	14,535	11.5	742	0.6	1993
62,677	45.7	6,398	4.7	17,289	12.6	7,618	5.6	1,025	0.7	14,663	10.7	906	0.7	1994
68,946	46.0	6,740	4.5	18,356	12.2	9,213	6.1	1,369	0.9	16,757	11.2	1,050	0.7	1995
73,261	44.4	6,874	4.2	19,787	12.0	12,172	7.4	1,300	0.8	18,481	11.2	1,161	0.7	1996
74,141	40.9	7,201	4.0	28,030	15.5	14,792	8.2	1,351	0.7	19,271	10.6	1,344	0.7	1997
53,946	32.4	6,877	4.1	30,081	18.1	13,838	8.3	1,525	0.9	22,422	13.5	1,526	0.9	1998
59,007	32.5	7,808	4.3	30,741	16.9	16,849	9.3	1,517	0.8	25,766	14.2	1,806	1.0	1999
59,743	30.9	8,644	4.5	32,231	16.7	18,924	9.8	1,402	0.7	27,241	14.1	2,130	1.1	2000
59,049	29.7	8,676	4.4	33,102	16.6	20,787	10.5	1,038	0.5	28,033	14.1	2,456	1.2	2001
58,602	28.0	9,398	4.5	35,035	16.7	23,096	11.0	1,327	0.6	29,776	14.2	2,925	1.4	2002
57,605	26.7	9,140	4.2	36,327	16.8	24,194	11.2	1,722	0.8	32,418	15.0	3,241	1.5	2003
53,794	24.4	9,186	4.2	38,105	17.3	28,351	12.8	1,465	0.7	32,679	14.8	3,977	1.8	2004
53,415	23.3	9,484	4.1	39,299	17.1	30,722	13.4	1,297	0.6	36,695	16.0	3,961	1.7	2005
51,795	22.1	9,689	4.1	41,071	17.5	32,004	13.7	1,305	0.6	37,187	15.9	4,358	1.9	2006
50,728	21.5	10,127	4.3	44,863	19.0	34,471	14.6	1,084	0.5	30,731	13.0	4,828	2.0	2007
45,668	18.9	10,647	4.4	44,059	18.3	35,671	14.8	1,196	0.5	32,456	13.5	5,198	2.2	2008
45,569	18.7	11,079	4.5	45,886	18.8	33,908	13.9	1,213	0.5	31,771	13.0	5,480	2.3	2009
46,385	17.6	10,924	4.1	47,190	17.9	43,008	16.3	1,391	0.5	31,948	12.1	6,064	2.3	2010
44,263	16.0	10,303	3.7	50,893	18.4	46,284	16.7	1,684	0.6	33,265	12.0	6,617	2.4	2011
43,968	15.8	9,912	3.6	52,254	18.8	50,185	18.0	1,615	0.6	31,719	11.4	8,036	2.9	2012
43,171	15.4	9,701	3.5	52,643	18.8	52,523	18.8	1,771	0.6	29,283	10.5	8,987	3.2	2013
41,218	14.6	9,343	3.3	54,083	19.1	47,773	16.9	1,650	0.6	33,002	11.7	10,956	3.9	2014
44,501	15.5	9,303	3.2	55,287	19.3	43,603	15.2	1,223	0.4	34,765	12.1	12,839	4.5	2015
48,463	16.5	11,166	3.8	57,977	19.7	45,518	15.5	1,400	0.5	34,181	11.6	13,575	4.6	2016
47,684	15.8	10,729	3.5	61,411	20.3	47,536	15.7	1,490	0.5	31,615	10.5	15,848	5.2	2017
46,920	15.3	11,160	3.6	60,442	19.7	55,224	18.0	1,549	0.5	28,437	9.2	17,119	5.6	2018
45,789	15.1	12,386	4.1	59,140	19.5	53,534	17.7	1,331	0.4	31,079	10.3	17,688	5.8	2019
41,993	14.4	12,251	4.2	55,997	19.2	54,970	18.8	1,523	0.5	34,119	11.7	18,983	6.5	2020
42,577	13.9	12,420	4.0	63,051	20.5	59,872	19.5	1,435	0.5	33,657	11.0	21,769	7.1	2021

## 7. 최종에너지 소비(물량)

	석탄 Coal			석유 Petroleum		
	소계 Subtotal	무연탄 Anthracite	유연탄 Bituminous	소계 Subtotal	에너지유 Energy Use	LPG
	1,000 ton			1,000 bbl		
1981	26,970	19,536	7,434	131,230	103,732	4,852
1982	27,042	18,539	8,503	128,898	99,607	7,080
1983	28,708	19,621	9,087	140,176	104,859	9,718
1984	31,411	22,008	9,403	152,559	112,363	11,996
1985	33,615	24,058	9,557	159,929	117,008	13,804
1986	35,230	25,303	9,927	179,142	129,645	16,938
1987	36,418	24,642	11,776	202,088	146,764	20,697
1988	37,920	24,225	13,695	231,911	169,312	25,208
1989	36,473	21,232	15,241	263,974	197,112	29,101
1990	35,263	19,108	16,154	323,972	237,771	33,307
1991	33,988	15,354	18,634	378,588	267,001	38,540
1992	31,401	11,545	19,857	455,528	300,617	47,432
1993	31,088	8,544	22,544	506,290	337,176	50,674
1994	27,928	5,168	22,760	553,673	367,005	53,298
1995	27,273	3,599	23,674	600,231	404,717	53,783
1996	28,595	2,805	25,790	643,626	434,299	56,664
1997	29,140	2,142	26,998	718,228	439,378	63,791
1998	27,778	2,199	25,579	641,854	346,603	63,818
1999	28,283	2,443	25,840	688,307	379,026	72,495
2000	30,391	3,350	27,042	698,107	368,424	81,488
2001	31,553	4,451	27,101	697,052	359,991	82,499
2002	33,308	5,177	28,131	721,390	362,342	89,739
2003	34,792	5,874	28,918	721,519	354,633	87,679
2004	34,365	5,893	28,472	717,176	337,055	87,482
2005	34,627	6,683	27,944	727,886	335,259	90,272
2006	35,215	7,413	27,802	733,947	325,173	92,617
2007	36,191	7,240	28,951	762,720	321,577	96,376
2008	38,930	7,708	31,222	740,032	301,801	99,679
2009	34,594	6,895	27,698	751,654	295,644	103,868
2010	42,040	7,552	34,488	766,756	304,012	100,279
2011	48,891	9,414	39,477	778,666	296,414	92,692
2012	47,255	8,518	38,736	793,982	289,244	88,100
2013	48,163	8,778	39,386	795,247	284,330	91,359
2014	53,052	7,880	45,172	805,329	284,434	88,844
2015	52,606	8,413	44,193	838,448	305,990	88,972
2016	49,019	8,272	40,747	899,308	326,294	107,873
2017	50,363	7,182	43,181	929,313	332,766	103,616
2018	49,295	8,280	41,014	920,044	327,027	107,169
2019	48,205	6,758	41,447	918,480	323,446	120,116
2020	45,829	6,218	39,611	865,768	298,053	119,431
2021	47,849	6,424	41,425	925,219	302,695	119,275

자료: 에너지경제연구원 「에너지통계연보」



## 7. Final Energy Consumption(Quantity basis)

	천연가스	도시가스	전력	열에너지	신재생 및 기타	
비에너지유 Non-Energy Use	LNG	City Gas	Electricity	Heat	Renewables & Others	
	1,000 ton	mil.m <sup>3</sup>	GWh	1,000 toe		
22,646	-	21	35,424	-	2,492	1981
22,210	-	25	37,880	-	2,417	1982
25,599	-	34	42,620	-	2,378	1983
28,199	-	47	47,051	-	2,492	1984
29,117	-	77	50,733	-	2,031	1985
32,559	-	120	56,310	-	1,480	1986
34,627	-	181	64,169	10	1,319	1987
37,392	-	308	74,317	63	1,164	1988
37,761	-	590	82,192	71	1,033	1989
52,894	-	963	94,313	75	797	1990
73,048	-	1,467	104,374	80	618	1991
107,479	-	2,114	115,244	143	722	1992
118,440	-	2,883	127,734	360	742	1993
133,371	-	3,864	146,540	460	906	1994
141,731	-	5,327	163,270	641	1,050	1995
152,662	-	6,607	182,470	811	1,161	1996
215,059	-	7,708	200,784	909	1,344	1997
231,433	-	8,024	193,470	882	1,526	1998
236,786	-	10,012	214,215	1,033	1,806	1999
248,196	0	11,963	239,535	1,167	2,130	2000
254,563	-	12,657	257,731	1,218	2,456	2001
269,309	-	13,873	278,451	1,316	2,925	2002
279,207	-	14,734	293,599	1,523	3,210	2003
292,639	-	15,422	312,096	1,449	3,928	2004
302,355	282	16,963	332,413	1,652	3,896	2005
316,157	567	17,504	348,719	1,549	4,092	2006
344,767	398	17,967	368,605	1,576	4,491	2007
338,552	434	18,734	385,070	1,668	4,747	2008
352,142	453	18,445	394,475	1,709	4,867	2009
362,465	761	19,982	434,163	1,939	5,346	2010
389,560	963	21,679	455,070	1,976	4,850	2011
416,638	886	23,776	466,593	2,102	6,156	2012
419,558	623	23,890	474,849	2,070	6,639	2013
432,050	590	22,091	477,592	1,528	6,175	2014
443,487	653	20,785	483,655	1,967	7,595	2015
465,140	801	21,271	497,039	2,183	7,173	2016
492,931	1,049	22,603	507,746	2,441	8,638	2017
485,848	1,560	24,275	526,149	2,682	9,110	2018
474,919	2,227	23,268	520,499	2,647	8,910	2019
448,285	2,758	22,449	509,270	2,770	9,493	2020
503,249	2,718	23,602	533,431	2,900	12,002	2021

Source: KEEI 「Year book of energy statistics」

## 8. 최종에너지 소비(열량)

단위: 천 toe

	합계		석탄 Coal									
	TPES	증가율 Growth Rate	소계 Subtotal		무연탄 Anthracite		유연탄 Bituminous		소계 Subtotal		에너지유 Energy Use	
		%		%		%		%		%		%
1981	38,952	3.6	14,478	37.2	9,571	24.6	4,906	12.6	18,912	48.6	15,471	39.7
1982	38,711	-0.6	14,548	37.6	8,937	23.1	5,612	14.5	18,460	47.7	14,835	38.3
1983	41,337	6.8	15,336	37.1	9,338	22.6	5,997	14.5	19,921	48.2	15,589	37.7
1984	44,998	8.9	16,806	37.3	10,600	23.6	6,206	13.8	21,602	48.0	16,690	37.1
1985	46,998	4.4	17,940	38.2	11,632	24.8	6,308	13.4	22,580	48.0	17,360	36.9
1986	50,524	7.5	18,887	37.4	12,336	24.4	6,552	13.0	25,181	49.8	19,211	38.0
1987	55,197	9.2	19,778	35.8	12,006	21.8	7,772	14.1	28,372	51.4	21,767	39.4
1988	61,033	10.6	20,565	33.7	11,527	18.9	9,039	14.8	32,511	53.3	25,083	41.1
1989	65,875	7.9	20,116	30.5	10,057	15.3	10,059	15.3	36,967	56.1	29,106	44.2
1990	74,701	13.4	19,454	26.0	8,792	11.8	10,662	14.3	45,252	60.6	34,991	46.8
1991	83,336	11.6	19,447	23.3	7,119	8.5	12,328	14.8	52,675	63.2	39,266	47.1
1992	94,403	13.3	18,469	19.6	5,363	5.7	13,105	13.9	62,939	66.7	44,139	46.8
1993	103,850	10.0	18,860	18.2	3,981	3.8	14,879	14.3	69,876	67.3	49,369	47.5
1994	111,787	7.6	17,423	15.6	2,401	2.1	15,022	13.4	76,339	68.3	53,637	48.0
1995	121,400	8.6	17,327	14.3	1,702	1.4	15,625	12.9	82,747	68.2	58,898	48.5
1996	131,573	8.4	18,406	14.0	1,385	1.1	17,021	12.9	88,566	67.3	63,046	47.9
1997	144,541	9.9	18,891	13.1	1,072	0.7	17,819	12.3	98,036	67.8	63,564	44.0
1998	132,177	-8.6	17,993	13.6	1,111	0.8	16,882	12.8	86,712	65.6	50,159	37.9
1999	143,027	8.2	18,325	12.8	1,271	0.9	17,055	11.9	92,928	65.0	54,817	38.3
2000	149,958	4.8	19,661	13.1	1,813	1.2	17,848	11.9	93,839	62.6	53,275	35.5
2001	153,103	2.1	20,357	13.3	2,470	1.6	17,887	11.7	93,617	61.1	52,021	34.0
2002	160,876	5.1	21,485	13.4	2,919	1.8	18,566	11.5	96,635	60.1	52,366	32.6
2003	164,550	2.3	22,428	13.6	3,342	2.0	19,086	11.6	96,669	58.7	51,292	31.2
2004	166,452	1.2	22,100	13.3	3,309	2.0	18,791	11.3	95,942	57.6	48,739	29.3
2005	171,543	3.1	22,154	12.9	3,711	2.2	18,443	10.8	97,076	56.6	48,430	28.2
2006	174,873	1.9	22,461	12.8	4,112	2.4	18,349	10.5	97,665	55.8	46,990	26.9
2007	182,015	4.1	24,056	13.2	4,385	2.4	19,671	10.8	100,720	55.3	45,816	25.2
2008	183,054	0.6	25,879	14.1	4,636	2.5	21,243	11.6	97,316	53.2	42,833	23.4
2009	182,080	-0.5	23,015	12.6	4,183	2.3	18,832	10.3	98,516	54.1	41,812	23.0
2010	195,401	7.3	28,189	14.4	4,629	2.4	23,560	12.1	100,519	51.4	42,913	22.0
2011	205,239	5.0	32,860	16.0	5,844	2.8	27,017	13.2	102,294	49.8	41,766	20.3
2012	206,968	0.8	31,017	15.0	4,511	2.2	26,507	12.8	101,683	49.1	40,279	19.5
2013	208,362	0.7	31,603	15.2	4,649	2.2	26,954	12.9	101,522	48.7	39,424	18.9
2014	210,448	1.0	35,198	16.7	4,212	2.0	30,985	14.7	102,664	48.8	39,423	18.7
2015	215,389	2.3	34,849	16.2	4,539	2.1	30,310	14.1	106,854	49.6	42,488	19.7
2016	221,936	3.0	32,342	14.6	4,431	2.0	27,911	12.6	114,264	51.5	45,372	20.4
2017	231,023	4.1	33,360	14.4	3,986	1.7	29,374	12.7	118,289	51.2	46,364	20.1
2018	233,368	1.0	32,480	13.9	4,565	2.0	27,915	12.0	116,831	50.1	45,496	19.5
2019	231,353	-0.9	32,057	13.9	3,850	1.7	28,207	12.2	116,125	50.2	44,847	19.4
2020	222,563	-3.8	30,457	13.7	3,459	1.6	26,998	12.1	109,344	49.1	41,334	18.6
2021	237,360	6.7	31,810	13.4	3,577	1.5	28,233	11.9	116,936	49.3	41,912	17.7

## 8. Final Energy Consumption(Calorie basis)

Unit: Thousand toe

석유 Petroleum				천연가스  LNG		도시가스  City Gas		전 력  Electricity		원자력  Nuclear		신재생 및 기타  Renewables & Others		
LPG		비에너지유 Non-Energy Use												
	%		%		%		%		%		%			
500	1.3	2,942	7.6	-	-	23	0.1	3,046	7.8	-	-	2,492	6.4	1981
735	1.9	2,890	7.5	-	-	28	0.1	3,258	8.4	-	-	2,417	6.2	1982
1,010	2.4	3,322	8.0	-	-	37	0.1	3,665	8.9	-	-	2,378	5.8	1983
1,242	2.8	3,670	8.2	-	-	52	0.1	4,046	9.0	-	-	2,492	5.5	1984
1,424	3.0	3,795	8.1	-	-	84	0.2	4,363	9.3	-	-	2,031	4.3	1985
1,736	3.4	4,235	8.4	-	-	132	0.3	4,843	9.6	-	-	1,480	2.9	1986
2,110	3.8	4,495	8.1	-	-	199	0.4	5,519	10.0	10	0.0	1,319	2.4	1987
2,561	4.2	4,866	8.0	-	-	339	0.6	6,391	10.5	63	0.1	1,164	1.9	1988
2,947	4.5	4,914	7.5	-	-	619	0.9	7,069	10.7	71	0.1	1,033	1.6	1989
3,368	4.5	6,893	9.2	-	-	1,011	1.4	8,111	10.9	75	0.1	797	1.1	1990
3,894	4.7	9,515	11.4	-	-	1,540	1.8	8,976	10.8	80	0.1	618	0.7	1991
4,812	5.1	13,988	14.8	-	-	2,219	2.4	9,911	10.5	143	0.2	722	0.8	1992
5,141	5.0	15,366	14.8	-	-	3,027	2.9	10,985	10.6	360	0.3	742	0.7	1993
5,414	4.8	17,289	15.5	-	-	4,057	3.6	12,602	11.3	460	0.4	906	0.8	1994
5,493	4.5	18,356	15.1	-	-	5,593	4.6	14,041	11.6	641	0.5	1,050	0.9	1995
5,733	4.4	19,787	15.0	-	-	6,937	5.3	15,692	11.9	811	0.6	1,161	0.9	1996
6,442	4.5	28,030	19.4	-	-	8,093	5.6	17,267	11.9	909	0.6	1,344	0.9	1997
6,472	4.9	30,081	22.8	-	-	8,425	6.4	16,638	12.6	882	0.7	1,526	1.2	1998
7,371	5.2	30,741	21.5	-	-	10,513	7.4	18,422	12.9	1,033	0.7	1,806	1.3	1999
8,333	5.6	32,231	21.5	0	0	12,561	8.4	20,600	13.7	1,167	0.8	2,130	1.4	2000
8,493	5.5	33,102	21.6	-	-	13,290	8.7	22,165	14.5	1,218	0.8	2,456	1.6	2001
9,235	5.7	35,034	21.8	-	-	14,567	9.1	23,947	14.9	1,316	0.8	2,925	1.8	2002
9,050	5.5	36,327	22.1	-	-	15,470	9.4	25,250	15.3	1,523	0.9	3,210	2.0	2003
9,099	5.5	38,104	22.9	-	-	16,193	9.7	26,840	16.1	1,449	0.9	3,928	2.4	2004
9,348	5.4	39,298	22.9	366	0	17,811	10.4	28,588	16.7	1,652	1.0	3,896	2.3	2005
9,608	5.5	41,067	23.5	738	0	18,379	10.5	29,990	17.1	1,549	0.9	4,092	2.3	2006
10,052	5.5	44,851	24.6	518	0	18,955	10.4	31,700	17.4	1,576	0.9	4,491	2.5	2007
10,432	5.7	44,050	24.1	564	0	19,765	10.8	33,116	18.1	1,668	0.9	4,747	2.6	2008
10,840	6.0	45,864	25.2	589	0	19,459	10.7	33,925	18.6	1,709	0.9	4,867	2.7	2009
10,448	5.3	47,158	24.1	989	0.5	21,081	10.8	37,338	19.1	1,939	1.0	5,346	2.7	2010
9,670	4.7	50,858	24.8	1,252	0.6	22,871	11.1	39,136	19.1	1,976	1.0	4,850	2.4	2011
9,194	4.4	52,209	25.2	1,156	0.6	24,728	11.9	40,127	19.4	2,102	1.0	6,156	3.0	2012
9,536	4.6	52,563	25.2	813	0.4	24,878	11.9	40,837	19.6	2,070	1.0	6,639	3.2	2013
9,271	4.4	53,971	25.6	769	0.4	23,041	10.9	41,073	19.5	1,528	0.7	6,175	2.9	2014
9,214	4.3	55,151	25.6	851	0.4	21,678	10.1	41,594	19.3	1,967	0.9	7,595	3.5	2015
11,059	5.0	57,833	26.1	1,044	0.5	22,186	10.0	42,745	19.3	2,183	1.0	7,173	3.2	2016
10,579	4.6	61,346	26.6	1,370	0.6	23,258	10.1	43,666	18.9	2,441	1.1	8,638	3.7	2017
10,945	4.7	60,389	25.9	2,038	0.9	24,979	10.7	45,249	19.4	2,682	1.1	9,110	3.9	2018
12,188	5.3	59,091	25.5	2,909	1.3	23,943	10.3	44,763	19.3	2,647	1.1	8,910	3.9	2019
12,069	5.4	55,941	25.1	3,602	1.6	23,100	10.4	43,797	19.7	2,770	1.2	9,493	4.3	2020
12,034	5.1	62,990	26.5	3,550	1.5	24,287	10.2	45,875	19.3	2,900	1.2	12,002	5.1	2021

## 9. 광산물 생산종합

	보고광산(개) Number of reported mines				생산광산(개) Number of operating mines			
	2018	2019	2020	2021	2018	2019	2020	2021
금광	17	17	17	15	7	7	11	9
은광	9	9	10	7	7	7	7	5
동광	-	-	-	-	-	-	-	-
연광	4	2	1	3	3	2	1	3
아연광	5	4	3	3	4	2	3	2
철광	5	4	4	4	2	2	2	3
텅스텐광	2	1	2	4	-	-	2	1
몰리브덴광	3	2	2	2	1	1	1	1
주석광	-	1	2	1	-	1	1	1
황철석	1	1	1	1	1	1	1	1
티타늄광	1	1	1	1	1	1	1	1
리튬광	1	2	-	2	1	2	-	2
인상 흑연	2	2	3	2	1	2	2	2
토상흑연	-	-	-	1				1
활석	5	4	3	7	2	3	2	5
납석	27	25	22	26	24	22	19	23
장석	27	24	25	27	26	21	21	24
고령토	123	120	113	113	110	98	85	86
석회석	110	116	110	117	102	104	99	104
규석	47	44	41	41	36	26	30	25
규사	23	23	22	21	15	19	15	13
규조토	2	2	2	2	2	1	2	2
사문석	1	1	2	1	1	1	2	1
운모	18	18	19	21	18	13	13	16
불석	10	11	9	8	10	10	8	8
수정	3	4	4	4	3	4	3	3
명반석	2	2	2	2	2	-	1	1
연옥	6	5	6	7	5	4	4	5
무연탄	5	5	4	4	5	4	4	4

1. 금광, 은광: kg

자료: 한국지질자원연구원

## 9. Major Indicators of Mineral Products

생산량(MT) <sup>1</sup> Production(MT) <sup>1</sup>				판매량(MT) <sup>1</sup> Domestic sale(MT) <sup>1</sup>				
2018	2019	2020	2021	2018	2019	2020	2021	
239	181	170	162	486	178	149	162	Gold ore
7,090	5,245	7,203	10,000	7,063	5,154	5,995	10,000	Silver ore
-	-	-	-	-	-	-	-	Copper ore
4,681	3,865	-	3,056	4,806	3,824	-	2,984	Lead ore
7,312	8,212	3,362	8,741	7,360	8,130	3,325	8,618	Zinc ore
382,547	342,346	8,503	538,563	381,392	348,553	8,443	546,790	Iron ore
-	-	575,232	0	-	-	545,778	-	Tungsten ore
1	493	-	757	-	478	-	776	Molybdenum ore
-	-	762	1	-	-	764	1	Tin ore
0	0	0	0	0	0	0	0	Pyrite
213,184	295,987	287,895	322,581	208,651	291,423	283,989	277,779	Titanium ore
2	-	-	1	-	-	-	1	Lithium ore
670	302	3,052	10,485	-	800	127	-	Crystalline(Graphite)
-	-	-	7,812	-	-	-	7,514	Graphite (Amorphous)
2,033	2,626	1,600	2,091	1,773	2,261	1,150	1,536	Talc
346,836	338,834	313,846	353,013	344,821	306,718	278,419	325,568	Pyrophyllite
634,937	399,896	415,426	987,309	622,841	396,527	393,528	1,163,031	Feldspar
1,290,178	1,233,810	1,150,665	1,102,580	1,244,398	1,244,050	1,144,771	1,091,567	Clays
92,061,241	89,459,208	83,455,213	88,440,181	92,331,853	89,283,546	83,341,151	88,690,223	Limestone
3,588,541	2,880,271	2,798,373	3,081,550	3,472,277	2,861,096	2,757,481	3,101,350	Silica stone
1,048,988	1,324,164	1,434,442	433,306	971,284	910,289	733,083	427,936	Silica sand
25,902	40,910	65,240	49,616	25,594	40,914	65,225	46,308	Diatomite
18,199	21,060	23,929	25,599	14,286	23,502	23,720	26,938	Serpentine
16,559	23,433	20,983	10,985	8,922	9,974	12,586	9,341	Mica
145,319	208,257	130,958	128,173	149,945	198,791	125,160	122,987	Zeolite
7	8	5	3	1	0	0	0	Rock Crystal
3,192	-	1,450	5,208	1,043	-	1,200	1,150	Alunite
3,492	2,771	1,634	2,900	1,489	2,737	3,625	4,069	Nephrite
1,201,920	1,084,000	1,019,298	897,900	1,018,273	797,675	723,998	763,953	Anthracite

1. Gold ore, silver ore : kg

Source: Korea Institute of Geoscience and Mineral Resources





## 9. 주요 경제·사회 지표

### Major Economic & Social Statistics

#### 1. 지역내 총생산

Gross Regional Domestic Product

#### 2. 총사업체 및 종사자 수

Number of Establishments and Employees

#### 3. 산업생산·출하·재고지수

Indexes of Industrial Production·Shipment·  
Inventory by Region

#### 4. 도로연장

Length of Road

#### 5. 농업기계 보유현황

Agricultural Equipment & Machinery

#### 6. 자동차 등록대수

Motor Vehicles Registration

## 1. 지역내 총생산(시장가격)

단위 : 10억원

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
2010	1,432,684	333,249	71,969	44,115	69,301	30,458	33,248	66,254	-
2011	1,484,628	343,756	73,793	45,658	70,537	31,012	34,446	71,517	-
2012	1,519,359	348,568	75,743	47,368	73,130	31,650	34,977	71,958	-
2013	1,566,633	354,319	77,000	49,036	75,073	32,859	35,375	72,322	6,883
2014	1,615,775	359,662	80,259	50,330	78,694	34,170	36,082	72,409	8,635
2015	1,660,844	370,168	82,701	51,822	80,138	34,846	37,163	72,854	9,262
2016	1,709,743	380,679	84,115	51,824	82,257	35,933	38,457	73,478	9,730
2017	1,762,933	389,585	85,442	52,721	85,792	36,385	38,772	72,969	10,140
2018	1,814,076	403,606	86,890	53,965	86,427	38,216	39,136	71,344	10,424
2019	1,854,370	414,093	89,105	54,762	87,964	39,624	40,684	72,025	11,091
2020	1,842,426	417,639	85,963	53,669	84,908	39,531	41,208	67,136	11,648
2021	1,919,305	432,406	87,907	56,026	89,984	41,118	42,368	69,621	12,489
순생산물세	157,064	39,926	6,443	3,974	8,190	2,696	2,819	11,758	839
총부가가치(기초가격)	1,762,357	392,373	81,471	52,056	81,810	38,421	39,549	57,887	11,653
농업, 임업 및 어업	32,772	426	474	106	284	104	38	144	148
광업	2,089	16	10	1	79	3	2	50	19
제조업	517,617	14,689	14,043	10,914	22,747	10,944	6,899	35,330	2,956
음식료품 및 담배제조업	23,688	432	747	419	1,073	513	1,183	172	198
섬유 의복 및 가죽 제품 제조업	12,460	4,570	835	1,012	213	91	90	231	44
목재종이인쇄 및 복제업	14,055	1,887	351	592	975	167	440	366	219
석탄 및 석유 화학제품 제조업	91,054	1,136	1,552	977	4,293	1,165	1,138	15,558	795
비금속광물 및 금속제품 제조업	72,812	766	3,419	2,563	4,072	1,141	707	4,104	382
전기 전자 및 정밀기기 제조업	197,912	3,894	2,543	2,117	6,025	3,897	2,124	2,144	1,138
기계 운송장비 및 기타 제품 제조업	106,496	2,142	4,578	3,271	6,093	4,114	1,204	12,779	168
전기, 가스, 증기 및 공기 조절 공급업	40,148	3,076	2,183	516	4,201	719	687	2,323	231
건설업	85,688	10,673	4,203	3,263	5,982	1,834	1,873	1,853	1,002
도매 및 소매업	141,904	64,528	8,079	4,634	5,803	2,727	2,906	1,770	278
운수 및 창고업	53,316	9,390	6,425	1,590	5,901	907	816	1,763	127
숙박 및 음식점업	34,410	8,587	2,096	1,323	1,550	726	926	681	149
정보통신업	93,559	54,166	2,228	1,554	1,826	1,375	1,539	619	91
금융 및 보험업	119,467	59,968	6,138	3,951	3,719	2,479	2,373	1,564	517
부동산업	139,897	44,084	8,529	5,792	7,340	3,721	3,623	2,429	911
사업서비스업	163,676	59,616	7,002	3,874	5,589	3,019	7,228	3,135	573
공공 행정, 국방 및 사회보장 행정	115,686	14,886	5,366	4,036	5,363	2,441	3,784	1,685	3,356
교육 서비스업	90,086	18,538	5,450	4,245	4,192	2,742	2,896	2,158	795
보건업 및 사회복지 서비스업	90,593	20,822	7,115	4,480	4,523	3,570	2,820	1,739	384
문화 및 기타서비스업	45,113	10,538	2,430	1,731	2,109	1,276	1,230	925	187

주: 1. 2015년 실질 기준

2. 연쇄가중법에 의해 추계된 실질 GRDP는 비가법적 특성에 의해 총량(또는 상위부문) 금액과 그 구성항목 금액의 합이 일치하지 않음

3. 개별 구성항목의 연쇄금액은 구성항목 내에서의 상대적 중요도를 정확하게 반영하지 못할 수 있으므로 상대 비교 시에는 주의를 요함.

4. 1987년 전남에서 광주를 분리, 1989년 충남에서 대전시를 분리, 1998년 경남에서 울산시 분리, 2013년 충남북에서 세종시가 분리되었음.

출처: 통계청



## 1. Gross Regional Domestic Product(Current prices)

Unit : Billion Won

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
300,716	35,453	43,503	92,057	41,675	67,644	92,044	98,297	12,380	2010
313,748	36,297	46,067	98,516	43,286	66,698	94,466	101,258	13,232	2011
327,821	37,021	47,647	99,220	43,728	67,142	95,229	103,912	14,068	2012
346,431	38,212	49,520	97,403	45,638	68,436	98,843	104,475	14,763	2013
362,160	40,078	51,597	100,199	46,568	68,405	105,901	104,844	15,786	2014
381,978	40,868	55,192	101,299	47,018	68,878	103,120	106,591	16,947	2015
399,828	42,047	58,381	104,503	46,665	70,450	105,745	107,343	18,308	2016
426,173	43,761	61,953	110,166	47,553	71,340	104,430	106,561	19,145	2017
451,915	44,574	65,830	110,873	48,351	72,888	103,149	107,224	18,968	2018
462,288	46,064	66,928	112,311	49,506	74,618	104,418	109,371	19,186	2019
470,023	44,829	65,926	112,762	49,116	74,972	101,370	103,425	17,957	2020
496,672	46,476	70,140	118,002	50,399	77,027	104,960	105,348	18,175	2021
34,101	3,362	4,778	10,251	3,940	9,005	6,033	7,573	1,384	Taxes less subsidies on products
462,702	43,110	65,389	107,813	46,448	68,042	98,914	97,781	16,796	Gross value added(basic price)
3,121	2,158	1,762	4,293	3,359	5,425	5,641	3,614	1,686	Agriculture, forestry and fishing and aquaculture
330	700	183	146	111	167	155	92	20	Mining and quarrying
186,070	4,540	33,701	58,300	10,990	23,251	44,620	37,516	709	Manufacturing
5,675	1,045	2,759	2,390	1,934	1,056	1,663	2,157	263	Food, beverages and tobacco
2,877	33	301	307	167	72	1,218	412	5	Textiles and leather
5,254	84	757	706	606	149	644	800	53	Wood, paper, printing and reproduction
19,987	681	7,466	12,864	2,350	13,301	4,433	3,311	74	Coal and petrochemical products
16,690	1,321	3,421	7,645	2,264	5,374	10,683	8,106	138	Non-metallic and metal products
106,156	698	15,482	23,350	935	702	19,855	6,667	114	Electronic, precision instruments
29,482	654	3,451	10,736	2,732	2,549	6,050	16,090	62	Machinery, transport and other equipment
7,574	1,172	757	4,858	1,534	2,976	3,643	3,434	379	Electricity, gas and water supply
25,557	3,629	3,040	5,346	2,973	4,902	4,368	4,181	1,020	Construction
29,480	1,931	2,242	3,300	2,387	2,354	3,487	4,829	1,169	Wholesale and retail trade
10,704	1,549	1,384	2,242	1,258	3,245	2,401	2,826	710	Transportation and storage
7,686	1,576	987	1,486	932	1,109	1,554	1,926	1,119	Accommodation and food service activities
20,723	1,088	889	925	943	1,320	1,565	1,694	1,037	Information and communication
18,135	2,032	2,111	2,756	2,666	2,446	3,279	4,274	1,105	Financial and insurance activities
36,838	2,549	2,711	3,990	2,887	2,571	4,109	6,411	1,404	Real estate activities
47,566	2,057	3,173	4,469	2,265	2,472	4,887	5,410	1,289	Business services
20,689	10,285	5,381	6,169	5,592	7,325	8,651	8,446	2,249	Public administration and defence; compulsory social security
19,302	3,480	3,361	4,323	3,649	3,510	4,671	5,602	1,166	Education
20,176	2,516	2,396	3,250	3,451	3,221	3,740	5,314	1,074	Human health and social work activities
10,865	1,768	1,592	1,797	1,532	1,634	2,337	2,405	728	Culture and other service

Note: Based on 2015 current price.  
Source: National Statistical office

## 2. 총사업체 및 종사자 수

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
총 사업체(1,000 개소)									
1996	2,807.8	699.8	253.4	168.8	128.7	79.6	82.7	-	-
1997	2,853.7	692.6	253.6	171.2	132.3	82.2	85.3	53.7	-
1998	2,785.7	663.3	249.7	164.3	127.6	80.0	81.2	53.1	-
1999	2,927.3	690.2	256.6	171.5	138.1	85.1	86.2	55.7	-
2000	3,013.4	719.5	261.5	174.8	142.4	87.6	86.8	58.0	-
2001	3,046.6	723.7	262.6	178.6	146.9	89.5	90.4	59.8	-
2002	3,132.0	735.3	268.8	182.6	153.5	93.2	91.9	63.2	-
2003	3,187.9	749.0	268.3	183.1	156.0	94.4	91.5	64.3	-
2004	3,189.9	740.8	267.5	182.4	157.1	96.0	90.4	64.7	-
2005	3,204.8	741.2	263.6	179.8	154.7	95.3	90.4	65.3	-
2006	3,226.6	733.8	262.9	180.0	155.4	95.7	89.9	65.8	-
2007	3,262.9	728.6	262.9	179.9	158.7	97.1	91.1	67.2	-
2008	3,264.8	719.7	258.1	178.6	158.0	97.5	92.5	67.8	-
2009	3,293.6	723.1	260.0	178.8	159.6	99.1	93.2	68.7	-
2010	3,355.5	729.7	260.0	183.1	163.7	100.0	95.7	70.7	-
2011	3,470.0	752.3	263.4	188.3	169.4	102.4	100.5	73.4	-
2012	3,602.5	780.9	270.1	192.6	177.2	105.9	104.6	74.6	6.6
2013	3,676.9	785.1	272.0	195.7	178.0	108.8	105.7	77.0	7.5
2014	3,812.8	812.8	277.7	198.8	183.6	111.3	109.5	78.6	9.1
2015	3,874.2	820.7	278.9	200.1	186.0	113.4	111.8	80.8	10.5
2016	3,950.2	820.2	283.6	205.3	191.6	116.0	113.2	82.9	11.9
2017	4,019.9	822.9	286.6	209.4	196.7	118.4	115.4	83.9	13.7
2018	4,103.2	823.4	288.9	210.5	202.5	119.6	117.6	85.7	15.9
2019	4,176.5	823.6	290.4	210.9	206.2	123.7	119.6	87.1	18.0
2020	6,032.0	1,211.1	402.0	283.0	306.1	170.1	164.4	117.2	28.5
2021	6,079.7	1,188.1	401.3	279.8	308.9	171.0	164.1	115.4	30.5
경유 종사자(1,000 명)									
1996	14,006.8	4,045.5	1,138.0	736.3	689.8	357.2	376.5	-	-
1997	13,470.3	3,758.5	1,095.7	699.9	642.2	358.0	372.3	318.8	-
1998	12,416.6	3,378.6	1,010.4	625.1	586.6	337.3	338.0	293.0	-
1999	12,920.3	3,367.7	1,045.2	657.5	642.0	367.7	356.0	310.7	-
2000	13,604.3	3,574.8	1,057.1	664.9	666.9	380.8	365.4	334.6	-
2001	14,109.6	3,763.8	1,106.9	697.7	694.0	393.4	395.8	351.5	-
2002	14,608.3	3,805.5	1,145.6	738.5	723.1	416.4	403.6	370.6	-
2003	14,729.2	3,791.9	1,130.2	727.3	721.3	429.3	397.8	372.8	-
2004	14,818.8	3,732.2	1,144.2	719.0	724.3	433.2	402.5	378.1	-
2005	15,147.5	3,843.0	1,114.4	714.7	728.0	428.3	405.3	379.8	-
2006	15,435.7	3,894.7	1,147.2	721.3	745.1	439.4	412.9	389.5	-
2007	15,943.7	4,005.8	1,157.9	732.1	765.8	456.6	429.6	406.8	-
2008	16,288.2	4,079.3	1,165.6	739.0	765.0	464.1	450.9	404.9	-
2009	16,817.9	4,177.3	1,182.2	766.9	790.2	488.8	468.5	413.8	-
2010	17,647.0	4,487.4	1,204.8	786.5	827.7	499.2	492.7	434.3	-
2011	18,093.1	4,498.3	1,231.9	809.4	848.4	499.8	509.7	452.0	-
2012	18,569.3	4,541.4	1,275.9	833.8	871.5	519.9	521.3	452.1	46.5
2013	19,173.4	4,585.1	1,297.9	849.6	895.6	529.1	536.2	488.6	56.9
2014	19,899.7	4,739.9	1,325.8	866.6	931.8	537.8	556.3	506.9	70.7
2015	20,889.2	5,108.8	1,371.8	895.5	984.7	559.9	586.1	519.5	83.8
2016	21,259.1	5,079.5	1,408.6	929.1	1,004.7	585.5	597.0	523.3	90.7
2017	21,626.9	5,119.9	1,424.3	943.2	1,034.3	600.9	605.7	521.5	99.8
2018	22,234.8	5,210.9	1,442.1	967.2	1,070.5	616.3	618.3	527.1	115.6
2019	22,723.3	5,227.0	1,465.4	967.9	1,092.5	631.9	633.4	533.2	125.4
2020	24,813.4	5,868.9	1,537.3	1,010.6	1,208.3	667.4	691.3	543.4	139.7
2021	24,931.6	5,771.2	1,544.5	1,004.6	1,223.4	676.3	688.5	544.0	153.0

자료: 통계청

## 2. Number of Establishments and Employees

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	구분
Establishments(1,000 each)									
416.3	102.9	87.8	110.4	115.2	126.9	163.2	237.3	34.6	1996
430.6	104.5	89.4	114.2	118.4	130.8	168.9	190.1	35.8	1997
425.0	104.2	88.7	113.3	117.7	128.5	167.9	186.1	35.0	1998
462.6	109.4	92.9	118.6	122.1	132.3	174.5	194.3	37.3	1999
488.1	110.1	94.7	119.1	121.5	132.9	177.9	199.5	38.8	2000
508.3	111.6	95.8	118.0	118.3	128.2	176.6	198.1	40.3	2001
540.8	113.3	96.7	119.8	119.4	128.5	179.9	203.6	41.8	2002
566.8	115.3	97.5	122.5	119.7	128.2	181.9	207.3	42.1	2003
577.6	116.3	96.8	123.5	120.1	126.0	180.4	207.8	42.5	2004
596.1	116.2	97.1	125.5	118.8	125.1	181.1	211.2	43.3	2005
618.8	116.3	99.3	127.5	118.8	124.6	181.0	213.1	43.6	2006
640.5	116.7	101.4	130.1	120.1	124.8	183.4	216.3	44.2	2007
651.4	117.2	101.9	131.5	119.8	124.3	183.4	218.7	44.3	2008
660.0	117.6	103.0	131.6	122.7	124.8	184.2	221.5	46.0	2009
687.0	118.3	105.8	134.3	124.7	125.4	186.7	224.6	45.8	2010
720.9	121.3	109.3	140.5	128.7	128.5	193.4	230.8	47.1	2011
751.1	125.2	112.6	141.2	136.0	132.9	199.5	242.1	49.3	2012
773.2	129.4	115.6	146.0	139.7	136.9	205.7	248.9	51.7	2013
810.3	133.3	119.5	154.0	144.9	142.9	213.8	258.7	53.9	2014
828.0	133.5	121.5	158.3	146.7	147.2	218.8	262.9	55.2	2015
856.2	136.5	124.8	161.6	147.5	149.7	222.5	268.9	57.8	2016
878.3	140.1	126.2	166.2	148.3	153.3	226.1	274.5	60.1	2017
909.0	143.5	129.9	172.2	151.0	156.9	232.0	281.7	62.9	2018
934.3	146.8	133.5	176.6	154.1	161.9	236.8	286.8	66.1	2019
1,455.6	193.1	191.3	253.2	226.0	228.2	321.1	387.2	94.0	2020
1,481.1	200.4	194.6	261.3	231.4	234.7	328.7	392.6	96.1	2021
Employees(1,000 person)									
2,228.1	409.9	408.1	482.4	480.4	511.9	762.2	1,228.3	152.1	1996
2,141.4	407.4	400.6	485.1	477.2	525.2	763.1	874.5	150.5	1997
2,036.9	385.1	375.1	457.0	450.7	494.6	700.4	806.3	141.4	1998
2,217.2	395.9	395.0	474.8	458.7	506.6	714.8	862.4	148.1	1999
2,416.1	405.5	416.7	497.0	470.9	519.5	770.0	910.1	154.0	2000
2,556.4	415.4	418.9	502.9	466.1	491.7	772.8	920.1	162.3	2001
2,720.7	431.1	434.6	525.6	478.1	496.0	789.7	955.5	173.8	2002
2,845.5	433.1	437.1	544.5	471.0	487.4	799.8	970.4	169.8	2003
2,940.8	436.8	439.9	565.6	472.8	479.7	799.3	982.7	167.6	2004
3,066.1	437.0	450.3	589.5	478.5	500.9	823.5	1,016.3	171.8	2005
3,164.8	440.5	462.9	604.7	486.9	508.4	815.4	1,025.5	176.6	2006
3,334.9	448.2	480.1	622.9	502.3	519.0	829.6	1,073.2	179.0	2007
3,438.5	466.5	498.3	641.7	512.0	535.3	844.7	1,101.6	180.9	2008
3,558.6	479.2	513.2	665.4	544.5	560.7	868.2	1,140.3	200.1	2009
3,749.1	490.1	533.5	702.6	565.8	569.9	927.3	1,173.4	202.7	2010
3,920.3	502.3	551.9	748.4	581.1	586.9	945.7	1,203.3	203.8	2011
4,041.4	520.6	569.5	742.0	603.0	602.0	966.3	1,250.5	211.5	2012
4,259.2	551.2	591.5	777.8	624.4	623.8	1,004.1	1,275.7	226.7	2013
4,471.8	565.6	620.6	812.8	646.6	656.2	1,028.9	1,325.9	235.7	2014
4,650.3	580.3	648.5	858.3	669.1	690.9	1,066.3	1,365.6	250.0	2015
4,802.6	596.7	667.3	880.0	675.9	694.3	1,086.6	1,379.0	258.2	2016
4,953.8	616.3	681.9	897.8	681.6	708.0	1,096.4	1,378.7	262.7	2017
5,174.4	639.3	713.3	928.3	694.7	733.9	1,117.8	1,388.3	276.9	2018
5,302.7	670.2	741.5	973.9	720.1	774.3	1,150.0	1,427.4	286.3	2019
5,886.9	705.0	808.0	1,064.8	794.9	847.7	1,225.8	1,494.6	318.9	2020
5,994.6	714.3	817.3	1,082.8	791.1	856.5	1,234.3	1,511.9	323.3	2021

Source: National Statistical Office

## 3. 산업생산·출하·재고지수

단위: 2015=100.0

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
생산지수									
1975	3.3	-	-	-	-	-	-	-	-
1980	7.0	-	-	-	-	-	-	-	-
1985	11.5	61.1	53.9	54.6	27.3	8.3	-	-	-
1990	21.1	86.3	68.5	83.5	51.1	19.4	42.6	-	-
1995	31.8	90.0	59.8	80.5	80.8	31.0	49.4	51.6	-
2000	49.4	102.3	56.3	74.0	86.7	39.1	58.3	64.7	-
2005	66.5	99.6	70.3	74.2	87.2	56.9	73.1	84.1	-
2010	92.5	97.8	89.5	92.9	98.4	84.3	86.9	93.6	86.1
2011	98.0	100.2	90.9	98.3	102.4	91.3	87.4	100.4	96.1
2012	99.4	101.7	90.6	97.0	103.1	84.6	94.3	107.2	101.2
2013	100.1	97.0	90.7	100.3	105.2	90.4	90.0	105.2	102.1
2014	100.3	102.7	92.9	103.0	104.9	98.4	96.9	103.4	96.8
2015	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2016	102.2	103.1	104.3	101.7	105.1	98.3	109.7	93.0	97.4
2017	104.8	102.5	98.1	102.7	111.9	99.0	108.8	92.2	100.0
2018	106.3	103.2	95.0	102.4	112.2	92.9	98.2	95.6	105.9
2019	106.7	97.8	93.3	102.4	106.3	92.1	108.1	96.8	108.1
2020	106.4	84.7	87.6	91.1	105.3	92.1	100.7	90.2	116.8
2021	114.3	89.3	88.0	100.2	113.2	99.4	101.6	92.1	130.9
출하지수									
1975	3.4	-	-	-	-	-	-	-	-
1980	7.3	-	-	-	-	-	-	-	-
1985	11.5	53.9	61.0	49.1	25.7	8.4	-	-	-
1990	21.8	75.5	76.2	77.4	50.9	20.0	42.9	-	-
1995	33.9	78.1	67.6	74.4	82.8	33.0	51.4	52.7	-
2000	52.5	97.0	63.0	72.0	86.4	39.7	61.6	65.4	-
2005	69.3	94.2	76.0	72.1	88.0	59.7	78.4	82.5	-
2010	92.4	94.8	93.3	91.9	99.4	85.8	91.6	92.5	84.2
2011	97.6	97.6	93.7	97.2	103.1	91.6	92.3	99.2	94.0
2012	99.0	99.5	90.1	94.9	105.4	87.5	97.9	105.3	100.2
2013	99.9	95.8	89.9	98.4	105.3	92.3	93.8	103.3	101.8
2014	99.9	100.8	91.9	100.8	103.3	98.1	99.0	102.5	96.6
2015	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2016	101.5	103.0	107.8	101.0	103.4	97.5	108.9	95.9	98.8
2017	102.8	104.2	101.0	101.4	107.3	98.7	108.1	95.5	99.7
2018	102.9	105.6	95.9	101.6	107.0	92.6	99.8	96.7	105.0
2019	102.6	100.3	92.2	100.6	98.9	91.2	108.4	97.4	112.6
2020	100.3	88.6	86.5	90.3	95.6	91.3	97.4	92.1	120.5
2021	106.0	90.6	87.1	100.0	98.3	98.6	103.7	91.9	129.9
재고지수									
1975	3.9	-	-	-	-	-	-	-	-
1980	8.7	-	-	-	-	-	-	-	-
1985	13.2	12.3	14.0	19.2	21.4	18.5	-	-	-
1990	25.8	26.5	22.7	38.1	36.8	25.3	62.1	-	-
1995	40.9	34.9	21.1	56.1	52.7	61.9	82.3	55.7	-
2000	47.6	35.9	35.7	43.7	65.7	70.3	65.4	65.8	-
2005	57.8	50.5	42.8	57.3	67.7	66.7	66.8	64.7	-
2010	77.4	75.0	63.4	79.9	69.9	78.7	82.0	83.1	60.5
2011	88.9	77.2	70.3	89.3	77.5	92.0	86.7	96.8	56.2
2012	92.9	77.5	69.9	99.9	94.6	76.8	91.6	92.4	53.2
2013	97.0	84.5	83.4	112.1	100.6	79.1	105.0	87.4	65.0
2014	94.5	99.8	91.8	104.4	101.6	90.4	115.7	93.1	88.8
2015	99.6	99.0	81.3	99.0	87.7	95.2	107.7	98.1	107.7
2016	96.5	100.3	96.6	100.7	93.9	101.8	109.8	99.1	111.1
2017	105.1	101.2	102.1	104.9	92.8	126.2	102.2	110.5	129.4
2018	112.1	105.2	98.2	106.7	87.7	128.9	79.4	127.9	144.0
2019	109.2	112.5	100.5	111.1	85.9	172.2	110.1	133.4	171.9
2020	109.8	117.4	143.5	124.8	80.4	210.2	128.5	119.4	230.1
2021	122.4	111.6	154.7	134.6	89.3	247.5	141.1	117.2	275.6

주: 1. 2020년 1월 공표시 연쇄지수 작성방법에 따른 최근 가중치 변경 및 연간보정, 계절조정 작업으로 인해 2000년 이후 시계열이 변경되었음.

2. 2014년 이전 지수는 3자리, 2015년 이후 지수는 1자리로 작성되었음.

3. 전국지수는 연쇄 라스파이레스, 지역지수는 고정 라스파이레스 산식으로 작성되었음.

4. 전국 가중치는 2020년 지수작성에 적용되는 가중치로, 2018년 이전 자료는 적용할 수 없음.

5. 최근 2개월 수치에는 잠정치(p)가 포함되어 있으며, 추후 수정될 수 있음.

6. 재고는 기(월, 분기, 연)말 기준

자료: 통계청

### 3. Indexes of industrial Production·Shipment·Inventory by Region

Unit: 2015=100.0

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
Gasoline									
-	-	-	-	-	-	-	-	-	1975
-	-	-	-	-	-	-	-	-	1980
2.4	54.0	2.9	3.6	19.2	11.2	8.4	13.4	26.0	1985
6.5	55.6	6.9	6.4	30.2	24.1	20.5	25.2	49.1	1990
11.3	68.2	15.0	10.5	44.9	44.3	32.1	42.8	45.6	1995
27.0	68.3	32.8	20.1	57.4	60.5	56.5	56.4	63.2	2000
48.9	73.9	41.2	39.8	74.5	71.2	95.5	73.4	64.0	2005
78.6	92.8	63.6	86.7	99.7	91.0	106.2	104.6	79.3	2010
83.2	101.5	71.3	92.1	107.9	99.0	109.5	107.3	85.3	2011
85.1	102.7	75.4	93.0	104.4	103.5	109.8	107.7	87.9	2012
92.0	103.3	92.0	97.9	103.5	95.6	103.6	108.2	91.9	2013
95.7	101.2	93.8	98.5	103.0	91.6	104.0	106.0	92.9	2014
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	2015
105.9	102.5	110.7	105.6	97.5	102.1	95.6	98.9	101.9	2016
112.2	108.4	115.4	120.6	99.6	100.1	91.1	95.8	111.5	2017
121.0	105.2	117.8	124.2	97.1	97.4	88.8	91.2	112.6	2018
126.5	105.7	120.4	118.6	91.2	99.4	87.0	92.6	109.7	2019
138.3	100.1	112.5	115.9	86.2	98.6	82.0	86.0	103.0	2020
157.4	100.5	125.2	117.0	92.2	107.4	85.0	87.3	107.7	2021
Shipments index									
-	-	-	-	-	-	-	-	-	1975
-	-	-	-	-	-	-	-	-	1980
3.9	38.3	3.2	3.9	13.8	12.0	9.2	11.8	30.2	1985
10.4	47.4	7.4	7.1	23.1	22.5	20.9	23.1	55.8	1990
17.6	65.9	16.8	13.4	35.2	44.5	33.4	38.8	54.0	1995
38.0	68.0	36.6	26.1	52.0	61.8	60.9	53.4	71.7	2000
54.0	74.6	43.3	42.9	73.0	71.2	100.6	70.0	70.9	2005
77.8	92.9	71.4	85.0	98.6	88.5	112.4	103.3	84.8	2010
83.2	102.7	77.6	90.7	107.9	98.2	114.3	104.7	88.9	2011
85.0	104.9	82.2	92.5	105.5	99.6	113.3	105.2	96.4	2012
93.2	105.7	94.3	98.2	103.7	96.2	105.8	104.4	97.3	2013
95.8	102.5	95.4	98.3	101.7	93.1	103.6	104.3	97.2	2014
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	2015
103.7	101.7	110.0	105.2	95.3	103.0	94.6	98.7	104.9	2016
111.6	104.5	115.1	118.0	94.2	101.9	91.9	92.5	111.8	2017
118.7	104.2	118.4	119.1	90.7	99.5	90.4	87.5	107.0	2018
129.1	102.9	122.3	114.7	85.7	102.0	88.5	91.6	104.2	2019
137.2	97.0	117.2	111.5	81.0	99.8	81.8	85.8	98.0	2020
154.1	100.2	129.1	113.1	86.7	105.2	85.5	85.4	103.5	2021
Inventories index									
-	-	-	-	-	-	-	-	-	1975
-	-	-	-	-	-	-	-	-	1980
2.4	6.4	2.2	3.2	7.0	9.7	8.6	10.3	15.2	1985
9.0	17.9	9.0	7.9	13.4	21.3	21.1	23.8	110.6	1990
17.9	34.3	16.8	13.5	22.8	44.1	31.4	40.3	126.1	1995
29.5	35.3	28.3	30.0	29.1	47.2	42.6	48.4	154.3	2000
37.8	54.2	37.8	42.4	52.6	63.6	58.9	70.4	75.6	2005
67.3	71.4	63.2	73.1	83.6	69.0	71.5	76.7	49.9	2010
74.6	92.2	69.3	81.0	97.8	79.5	86.7	81.9	59.3	2011
80.0	109.3	78.6	85.4	89.4	90.8	93.3	80.2	59.1	2012
83.5	106.1	87.9	93.0	88.3	91.5	95.4	92.9	54.9	2013
91.7	91.0	99.4	89.1	100.0	103.7	99.3	93.0	81.0	2014
106.7	98.3	95.3	95.5	84.0	94.5	96.1	101.7	103.3	2015
104.4	91.6	100.3	104.7	84.7	96.1	89.0	104.8	132.1	2016
125.9	102.7	115.6	103.5	76.7	104.0	102.5	109.8	90.3	2017
175.7	97.7	155.8	115.1	89.9	118.2	107.1	109.1	129.1	2018
143.0	109.3	178.2	116.4	90.7	110.7	105.6	113.9	157.0	2019
158.6	114.8	170.1	121.4	124.0	102.1	104.6	113.5	185.7	2020
164.8	121.9	200.0	136.2	106.3	133.7	120.1	124.5	183.2	2021

Source: National Statistical Office

## 4. 도로연장

단위: km

	전국 Total	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
1991	58,088	7,427	1,828	1,275	1,050	826	1,023	-	-
1992	58,847	7,516	1,879	1,302	1,027	841	1,226	-	-
1993	61,296	7,561	1,907	1,328	1,059	863	1,332	-	-
1994	73,833	7,622	2,067	1,410	1,111	960	1,390	-	-
1995	74,237	7,675	2,134	1,692	1,445	1,086	1,410	-	-
1996	82,342	7,684	2,203	1,826	1,699	1,038	1,904	-	-
1997	84,968	8,651	2,228	1,909	1,983	1,063	1,402	1,982	-
1998	86,990	8,722	2,485	1,948	1,956	1,098	1,417	2,142	-
1999	87,534	8,036	2,553	1,980	2,032	1,805	1,433	2,166	-
2000	88,774	8,083	2,585	2,021	2,052	1,174	1,464	2,602	-
2001	91,397	7,933	2,620	2,113	2,055	1,199	1,469	2,569	-
2002	96,037	8,135	2,737	2,142	2,118	1,199	1,550	2,570	-
2003	97,252	8,011	2,776	2,154	2,143	1,203	1,583	1,524	-
2004	100,278	8,011	2,942	2,194	2,187	1,248	1,616	1,441	-
2005	102,293	8,058	2,728	2,216	2,192	1,354	1,688	1,574	-
2006	102,061	8,073	2,742	2,238	2,307	1,368	1,703	1,620	-
2007	103,019	8,115	2,768	2,298	2,383	1,404	1,853	1,650	-
2008	104,236	8,142	2,985	2,376	2,409	1,495	1,868	1,683	-
2009	104,983	8,144	2,993	2,392	2,466	1,604	1,893	1,694	-
2010	105,565	8,145	3,020	2,436	2,476	1,621	1,899	1,720	-
2011	105,931	8,198	3,073	2,461	2,493	1,626	1,935	1,726	-
2012	105,703	8,198	3,246	2,404	2,535	1,697	1,929	1,780	423
2013	106,414	8,223	3,101	2,627	2,743	1,806	2,077	1,760	412
2014	105,673	8,239	3,276	2,665	2,772	1,802	2,067	1,777	400
2015	107,527	8,240	3,306	2,772	2,828	1,832	2,077	2,066	401
2016	108,780	8,266	3,330	2,802	2,942	1,844	2,116	2,088	404
2017	110,091	8,271	3,348	2,831	3,185	1,850	2,136	2,117	402
2018	110,714	8,273	3,372	2,867	3,272	1,859	2,140	2,142	402
2019	111,314	8,310	3,385	2,891	3,494	1,866	2,142	2,186	403
2020	112,977	8,319	3,402	2,978	3,520	1,874	2,146	2,415	423
2021	113,405	8,359	3,416	3,015	3,317	1,879	2,226	2,544	423

주: 특별·광역시도의 미개통 도시계획 도로는 포함하지 않음.  
자료: 국토교통부

#### 4. Length of road

Unit: km

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
6,366	5,396	3,650	4,191	4,150	5,406	6,383	6,898	2,220	1991
6,487	5,434	3,667	4,195	4,143	5,447	6,624	6,936	2,122	1992
7,932	5,581	3,696	4,278	4,166	5,557	6,726	7,163	2,148	1993
9,260	7,246	5,053	5,056	5,685	7,088	8,658	8,984	2,245	1994
9,713	7,330	5,395	5,234	5,850	7,379	8,568	10,542	2,248	1995
10,079	7,646	5,664	5,350	6,056	7,845	9,259	11,560	2,529	1996
10,458	7,804	5,821	6,086	6,084	7,923	9,260	9,789	2,526	1997
11,075	7,831	6,009	6,008	6,090	7,949	9,262	10,462	2,536	1998
11,183	7,842	6,042	6,023	6,087	7,998	9,299	10,474	2,581	1999
11,535	7,852	6,201	6,351	6,093	8,200	9,322	10,621	2,619	2000
11,585	8,167	6,346	6,550	6,312	9,145	10,006	10,670	2,658	2001
12,048	8,162	6,471	7,847	6,311	10,070	10,484	10,995	3,200	2002
12,137	8,881	6,500	7,308	6,630	10,075	11,708	11,420	3,199	2003
12,670	9,347	6,542	7,543	7,363	10,089	11,817	12,068	3,200	2004
13,477	9,506	6,566	7,535	7,819	10,106	11,982	12,293	3,199	2005
12,748	9,506	6,608	7,553	7,761	10,130	12,133	12,368	3,203	2006
12,791	9,540	6,694	7,557	7,861	10,166	12,191	12,541	3,207	2007
13,086	9,650	6,747	7,583	7,883	10,180	12,250	12,692	3,207	2008
13,179	9,715	6,674	7,803	7,870	10,271	12,370	12,709	3,206	2009
13,390	9,742	6,699	7,844	7,970	10,267	12,404	12,726	3,206	2010
13,377	9,791	6,754	7,835	7,998	10,289	12,416	12,752	3,206	2011
12,983	9,913	6,337	6,846	8,028	10,509	12,318	13,158	3,397	2012
12,824	10,147	6,578	7,004	8,040	10,532	12,290	13,053	3,196	2013
12,859	9,775	6,645	6,892	8,170	10,553	12,342	12,241	3,196	2014
12,942	9,800	6,858	7,096	8,268	10,594	12,877	12,363	3,207	2015
13,207	9,863	6,870	7,122	8,402	10,596	13,184	12,532	3,211	2016
13,604	10,007	6,891	7,234	8,510	10,590	13,336	12,567	3,211	2017
14,013	9,953	6,943	7,160	8,504	10,630	13,324	12,650	3,211	2018
14,030	9,940	6,929	7,168	8,531	10,636	13,422	12,771	3,211	2019
14,685	9,915	6,898	7,612	8,565	10,740	13,479	12,796	3,211	2020
14,813	9,857	6,915	7,588	8,568	10,776	13,645	12,847	3,217	2021

Source: Ministry of Land, Infrastructure and Transport

## 5. 농업기계 보유현황

단위: 대

	농용 트랙터 Farm tractor	스피드스프레이어 Speed sprayer	동력 경운기 Power tiller	동력 이앙기 Rice transplanter	콤바인 Combine	관리기 Cultivator
2007	243,662	41,912	771,095	314,097	84,624	410,182
2008	253,531	44,423	739,725	309,907	85,338	421,616
2009	258,662	44,064	714,537	282,854	79,561	406,055
2010	264,824	43,943	697,885	276,310	80,952	407,997
2011	267,871	43,369	666,897	253,660	79,188	398,596
2012	272,898	46,710	657,045	244,560	79,439	403,183
2013	277,649	49,069	639,517	235,612	78,854	407,571
2014	277,234	50,833	609,864	220,204	75,970	396,550
2015	282,829	55,182	598,315	213,346	78,961	407,163
2016	285,968	53,792	582,352	202,320	77,349	408,247
2017	290,146	57,266	567,070	195,704	77,012	407,203
2018	290,258	57,277	544,411	187,466	74,700	402,782
2019	298,680	58,892	544,005	184,122	74,087	415,206
2020	302,570	59,887	539,241	180,940	74,346	422,217
2021	306,109	60,818	534,378	177,331	73,761	432,256
서울	118	5	113	24	10	179
부산	1,901	64	2,747	631	350	2,117
대구	2,228	182	5,496	1,671	488	4,863
인천	3,889	78	6,134	2,279	933	6,258
광주	1,698	224	2,431	1,009	495	1,406
대전	602	67	1,323	379	154	1,857
울산	2,501	674	5,526	2,096	850	2,620
세종	1,800	570	2,493	1,151	398	2,514
경기	38,822	5,467	40,857	20,296	8,180	36,471
강원	21,821	1,651	30,787	10,867	3,370	22,104
충북	18,083	6,634	36,544	11,859	4,036	35,465
충남	39,624	6,028	62,068	23,960	10,809	49,780
전북	34,358	3,815	46,862	17,616	9,167	35,997
전남	44,670	5,139	85,541	23,901	12,015	47,513
경북	52,232	25,654	121,481	37,278	12,370	116,269
경남	37,050	4,303	70,032	22,042	9,789	57,261
제주	4,712	263	13,943	272	347	9,582

출처: 농림축산식품부



## 5. Agricultural Equipment & Machinery

Unit: each

곡물 건조기 <sup>1</sup> Grain dryer <sup>1</sup>	농산물 건조기 <sup>2</sup> Agricultural dryer <sup>2</sup>	파종기 Seeder	정식기 Transplanter	수확기 Harvesting machine	농업용멀티콥터 Multi-copter	광역 방제기 Pest control machine	
73,965	197,478	-	-	-	-	124,180	2007
75,237	198,240	-	-	-	-	148,503	2008
75,944	198,304	-	-	-	-	248	2009
77,830	207,808	-	-	-	-	1,935	2010
77,151	204,522	-	-	-	-	-	2011
77,136	218,875	-	-	-	-	-	2012
78,282	221,405	-	-	-	-	-	2013
76,859	227,119	-	-	-	-	-	2014
78,381	242,210	-	-	-	-	-	2015
78,589	245,730	-	-	-	-	-	2016
79,029	245,315	-	-	-	-	-	2017
76,554	238,605	-	-	-	-	-	2018
77,332	241,547	7,101	1,075	3,922	767	-	2019
79,286	246,285	8,750	1,344	4,758	1,168	-	2020
79,255	250,205	9,910	1,514	5,379	1,661	-	2021
16	4	1	-	-	-	-	Seoul
139	307	3	-	-	12	-	Busan
231	843	165	4	53	4	-	Daegu
1,329	1,956	52	1	9	13	-	Incheon
520	741	11	3	5	2	-	Gwangju
94	186	15	-	-	-	-	Daejeon
280	275	21	10	10	-	-	Ulsan
393	1,117	7	-	2	1	-	Sejong
6,459	13,699	636	129	210	23	-	Gyeonggi
2,892	14,105	396	57	195	27	-	Gangwon
3,986	26,404	485	87	185	58	-	Chungbuk
11,034	29,512	1,879	206	762	484	-	Chungnam
11,732	24,817	909	74	210	376	-	Jeonbuk
20,951	42,350	2,063	416	458	465	-	Jeonnam
9,606	62,053	1,978	244	2,157	69	-	Gyeongbuk
9,213	31,064	1,247	253	1,068	123	-	Gyeongnam
380	772	42	30	55	4	-	Jeju

Source: Ministry of Agriculture, Food and Rural Affairs

## 6. 자동차 등록대수

단위: 만대

	전국 <sup>1</sup> Total <sup>1</sup>	서울 Seoul	부산 Busan	대구 Daegu	인천 Incheon	광주 Gwangju	대전 Daejeon	울산 Ulsan	세종 Sejong
1991	425	137	35	-	20	11	12	-	-
1992	523	157	41	32	24	13	15	-	-
1993	627	175	47	38	30	16	18	-	-
1994	740	193	54	44	37	20	22	-	-
1995	847	204	60	52	44	23	26	-	-
1996	955	217	67	58	50	26	29	-	-
1997	1,041	225	72	62	55	29	32	26	-
1998	1,047	220	72	61	56	29	33	26	-
1999	1,116	230	76	65	59	31	35	27	-
2000	1,206	244	81	69	65	34	38	29	-
2001	1,291	255	86	73	70	36	42	32	-
2002	1,395	269	92	79	75	40	46	34	-
2003	1,459	278	96	82	77	41	48	36	-
2004	1,493	278	97	83	78	42	49	37	-
2005	1,540	281	98	85	80	44	51	38	-
2006	1,590	286	99	87	82	45	52	39	-
2007	1,643	293	101	88	85	46	54	41	-
2008	1,679	295	104	89	87	47	54	42	-
2009	1,733	296	112	91	90	49	55	43	-
2010	1,794	298	115	95	93	52	57	44	-
2011	1,844	298	116	99	98	54	58	46	-
2012	1,887	270	118	101	105	55	60	47	5
2013	1,940	297	118	104	114	57	61	49	5
2014	2,012	301	121	107	125	59	62	50	7
2015	2,099	306	126	111	136	61	63	53	9
2016	2,180	308	130	113	144	63	65	54	11
2017	2,253	312	133	116	151	65	66	55	13
2018	2,320	312	137	118	158	66	67	56	15
2019	2,368	312	140	119	164	68	67	57	16
2020	2,437	316	143	122	168	69	69	58	17
2021	2,491	318	146	121	168	70	69	58	19
승용차	2,041	274	123	102	143	59	58	49	16
승합차	75	10	4	3	5	2	2	1	0
화물차	363	33	19	16	19	9	9	7	2
특수차	12	1	1	0	1	0	0	0	0

주: 국토교통부, 자동차등록현황보고

## 6. Motor vehicles registration

Unit: Ten thousand each

경기 Gyeonggi	강원 Gangwon	충북 Chungbuk	충남 Chungnam	전북 Jeonbuk	전남 Jeonnam	경북 Gyeongbuk	경남 Gyeongnam	제주 Jeju	
61	12	11	13	14	12	23	33	5	1991
81	16	14	17	18	16	31	42	7	1992
104	20	18	21	22	19	38	52	8	1993
130	24	22	25	27	24	46	64	9	1994
155	28	26	30	32	29	52	74	11	1995
181	32	30	35	37	35	59	86	12	1996
202	36	33	40	41	39	65	69	14	1997
206	37	34	41	42	40	66	70	14	1998
225	39	36	45	44	43	70	75	15	1999
249	42	39	49	48	47	75	80	16	2000
274	45	42	53	51	50	80	86	18	2001
304	48	46	57	54	53	86	93	19	2002
323	50	48	60	57	55	89	98	20	2003
336	51	49	64	58	57	91	102	21	2004
351	53	51	67	60	59	95	107	21	2005
365	54	53	70	62	61	98	113	22	2006
379	56	55	73	64	64	101	119	23	2007
389	57	57	76	66	66	103	125	23	2008
401	59	59	80	68	69	107	130	24	2009
419	61	62	83	71	71	111	138	25	2010
430	62	64	87	74	74	114	145	26	2011
440	63	65	86	76	77	117	147	29	2012
453	65	67	89	78	80	121	149	33	2013
469	67	70	92	81	84	126	151	38	2014
492	69	73	97	84	90	131	156	44	2015
516	72	76	102	87	95	135	163	47	2016
539	75	79	106	89	99	139	167	50	2017
562	77	81	109	92	103	142	169	55	2018
577	78	84	112	93	106	145	172	60	2019
600	81	87	115	95	110	148	179	62	2020
620	83	89	118	96	117	150	183	66	2021
516	64	70	90	74	88	112	148	56	Cars
20	3	3	4	3	4	5	5	2	Truck
83	16	16	23	19	25	32	29	8	Bus
2	0	1	1	0	1	1	1	0	Special-car

Source: Ministry of Land, Infrastructure and Transport



## 부록

### Appendix

#### A. 주요 용어

Energy Glossary

#### B. 에너지 용어

Energy-related Terminology



## A. 주요 용어 Energy Glossary

### 1) 1차에너지

- 생산, 수출입 및 재고증감에 의해 국내 공급된 에너지이며, 타 에너지로 전환되기 위해 투입되는 에너지와 산업, 수송, 가정, 상업·공공용으로 소비되는 최종에너지의 합으로 계산
- 현행 에너지밸런스에서는 원유의 투입과 석유제품의 생산에 해당하는 석유정제를 전환부문에 포함하지 않음에 따라 원유 역시 포함되지 않으며 대신 생산된 석유제품을 1차에너지 공급 중 수입에 계상

### 2) 최종에너지

- 산업, 수송, 가정 및 상업·공공부문 등 최종에너지 소비 부문에서 사용하는 에너지로, 최종소비자가 직접 사용한 1차에너지와 전환과정을 거친 2차에너지가 여기에 해당
- 현행 에너지수급통계 및 에너지밸런스에서는 전력과 열에너지는 한전 및 지역난방 사업자가 공급하는 양만 최종에너지소비에 포함
- 자가생산자가 생산한 전력과 열에너지는 1차에너지 공급 중 생산부문 및 해당 업종의 연료소비로 최종소비에 포함되나, 전력거래소에 판매된 자가발전량은 전력으로 최종소비에 포함

### 3) 에너지전환

- 에너지전환은 사용하기 편리한 에너지로 변환하는 과정을 말하며 발전, 석유정제, 지역난방, 가스제조 등이 해당
- 발전은 사업자 및 자가 생산을 모두 포함하여야 하나, 현재 국가통계는 자가발전 투입연료를 자가 발전사업자의 소비에 포함
- 석유정제는 원유의 투입과 석유제품의 산출 과정을 의미하나, 현행 에너지밸런스에서는 정제과정을 거쳐 생산된 석유제품을 1차에너지로 간주하고 투입된 원유량은 반영하지 않으며, 따라서 석유 정제 항목이 없음.
- 지역난방에는 지역난방 사업자가 열에너지 생산을 위해 투입한 연료량과 열생산량을 계상
- 가스제조에는 도시가스 사업자가 가스 생산을 위해 투입한 연료량과 도시가스 생산량을 계상

### 4) 1인당 에너지소비

- 1년 동안 공급된 1차에너지를 인구수로 나눈 값이며, 이때 인구수는 연간 인구를 사용

### 5) 수입의존도

- 우리나라는 1차에너지 중에서 수입 에너지가 차지하는 비중으로 계산
- 원자력의 원료인 우라늄을 수입에너지로 간주하여 수입의존도를 발표하고 있으나, 국제기준에 의해 국내생산에 포함한 수입의존도를 병기함.

### 6) GDP 단위당 에너지 소비

- 에너지원단위는 총부가가치(GDP) 대비 1차에너지 공급량의 비율로 정의되며, 경제활동에 투입된 에너지 소비의 효율성을 평가하는 지표로써 산업구조, 부가가치, 에너지절약 및 이용효율 수준 등에 좌우됨.
- 총부가가치는 불변가격 기준이며, 미 달러화 표시는 환율을 이용하여 재계산함. 2010년 이전은 국제 재무통계(IFS, IMF)의 연평균환율 적용, 최근 환율은 한국은행의 연평균환율 적용

## B. 에너지 용어 Energy-related Terminology

### ● 갈탄(Brown Coal/Lignite)

가연성, 고체, 검은색을 띤 갈색, 화석 탄화물의 침강성 퇴적물.

### ● 경유(Diesel Oil, Light Oil)

원유를 증류로 얻을 수 있는 비점 200℃ 이상, 인화점 50℃ 이상, 90% 유출온도 350℃ 이하의 디젤엔진용 연료유.

### ● 경질원유(Light Crude Oil)

휘발유분이 상대적으로 많고 비중이 작은 원유를 말하며, 원유는 비중이 작을수록 가솔린과 나프타 등 이용가치가 높은 성분을 많이 얻을 수 있기 때문에 고품질로 여겨짐.

### ● 국제빙커링(International Bunkers)

국적이나 선박종류에 구분없이, 외항선박에 공급되는 연료유의 양.

주: 외항선박이나 연안해운용, 국제선을 위시한 항공기용은 제외(현행 국내관행은 외국국적의 선박과 항공기용 연료공급을 모두 빙커링으로 분류함).

### ● 난방일수(Heating Degree Day)

24시간 동안의 평균 외부 온도가 기본온도보다 낮아질 경우 두 온도 간의 차이로 나타낸 실험적인 단위. 난방일수는 건물의 난방 수용을 예측하는 데 쓰임.

### ● 납사(Naphtha)

원유를 증류할 때 LPG와 등유 유분 사이에 유출되는 것으로 일반적으로 경질 나프타와 중질 나프타로 구분됨. 끓는점이 100℃ 이하인 것을 경질납사(Light Straight Run Naphtha, LSR), 100℃ 이상인 것을 중질납사(Heavy Straight Run Naphtha, HSR)라 함. 경질납사는 주로 용제 및 석유화학의 원료로 사용되며(NCC의 원료), 중질납사는 개질시설(Reformer)을 통해 휘발유 제조나 B.T.X. 생산에 사용.

### ● 도시가스(City Gas)

도시의 중앙공급원에서 도관에 의하여 각 수요자에게 보내지는 연료가스. 근년에는 액화가스기술의 발전에 의해 천연가스를 공급하며, 천연가스는 석탄가스와 달라 독특한 일산화탄소 성분이 없고, 고열가스이므로 저장 및 수송에 있어 유리.

### ● 등유(Kerosene)

비점 150~260℃의 원유분으로 일찍부터 등화용으로 쓰였기 때문에 등유라 불리게 됨. 용도로는 난방용, 주방용 연료, 석유발동기용 연료, 용제, 기계세제용, 신호등유, 솔벤트 등유, 가스 터빈, 엔진용 연료 등.

### ● 매장량(Reserves)

생산을 중단하게 되는 날까지의 누적 생산량(지질학적 정의), 해당시점의 경제적·기술적 조건에서 채굴이 가능한 자원의 양(미국증권거래위원회 경제학적 정의)

### ● 바이오가스(Biogas)

혐기적 소화작용으로 바이오매스에서 생성되는 메탄과 이산화탄소의 혼합형태인 기체를 말함. 이러한 혼합기체로부터 분리된 메탄을 바이오메탄가스라고 함. 그 외 바이오가스의 형태는 퇴비가스, 습지가스, 폐기물 등의 자연적으로 생성되는 것과 제조된 가스가 있음.

### ● 바이오매스(Biomass)

바이오매스란 원래 “생물량”이라는 생태학적 용어였으나 현재는 에너지화할 수 있는 생물체량이란 의미로 사용되고 있음. 녹색식물은 태양에너지를 받아 물과 탄산가스를 이용하여 전분, 당 또는 섬유소를 합성하고 이를 식물에 저장함. 동물은 식물을 먹고 자라며 동식물은 미생물에 의하여 종국적으로 탄산가스와 물 등의 무기물로 분해되어 하나의 순환과정을 형성함. 이러한 생태계의 순환과정 중에 관련된 모든 “유기체”를 일컬어 바이오매스라 하며 이 중에서 가장 많은 것이 식물 자원임.

### ● 발열량(Calorific Value)

단위량의 연료가 일정조건 하에서 완전 연소한 경우에 내는 열량.

### ● 배럴(Barrel)

석유용량의 단위지만 본래는 ‘중간이 부푼 나무 용기’를 의미. 미국 펜실베이니아주의 에드윈 드레이크(Edwin L. Drake)가 1859년 처음으로 석유의 기계 채유에 성공해 배럴이라는 나무통에 채워 판매한데서 유래하여 현재 국제 원유거래에서 이용되고 있음. 현재 1배럴=42갤런이며, 환산율은 1배럴=42갤런=5.6146ft<sup>3</sup>= 159 ℓ

### ● 비연료유(Non-Fuel Oil)

에너지발생을 위한 연료가 아닌 연료 등으로 사용되는 유종을 말하며 납사, 용재, 아스팔트 등이 있음.

### ● 석유(Petroleum)

石油(돌기름), 탄화수소로 이루어진 광물성 기름으로 지하에서 채굴되며, 정제과정을 거친후에 에너지원으로 사용.



### ● 석유대체에너지(Substitute Energy for Petroleum)

석유를 대신하는 에너지의 총칭으로 원자력, 석탄, LNG, 태양에너지, 지열에너지, 바이오매스 에너지, 수소에너지 등이 있음.

### ● 석유환산톤(toe, Ton of Oil Equivalent)

에너지의 가치를 석유를 기준으로 환산할 때 쓰는 단위로 서로 다른 형태의 에너지를 비교할 수 있게 해 줌.  
즉, 열량 비교를 위해 타 연료의 열량을 원유기준으로 환산한 양으로 원유 1kg=10,920kcal로 환산하며, 1toe는 10<sup>7</sup>kcal임.

### ● 신·재생에너지(New & Renewable Energy)

석유, 석탄, 원자력, 천연가스, 수력 등 종래 사용되어온 에너지 이외에 장차 기술개발에 의하여 공급이 가능하게 될 태양에너지, 바이오매스, 동력, 소수력, 지열, 해양에너지, 수소에너지, 석탄전환연료 등을 말함.

### ● 압축천연가스(Compressed Natural Gas : CNG)

천연가스를 냉동, 압축하여 액화한 LNG(액화 천연가스)와는 달리 고압으로 압축하여 압력 용기에 저장한 형태를 말함.

### ● 액성천연가스(Natural Gas Liquid : NGL)

가스전설비 또는 가스정제 공장의 분리기에서 액체 상태로 회수되는 천연가스의 일부, 액성 천연가스는 에탄, 프로판, 부탄, 펜탄, 천연가솔린 및 응축액을 포함하나 이에 국한하지는 않으며, 소량의 비탄화수소 성분도 포함하는 경우도 있음.

### ● 액화(Liquefaction)

수소화 반응법, 고체연료를 이용한 기체 합성법, 또는 용매추출법등 방법으로 고체연료를 액화 탄화수소 및 기타성분들로 전환시키는 것.

### ● 액화석유가스(Liquefied Petroleum Gas : LPG)

석유생산, 석유정제 또는 석유화학공업의 과정에서 부생되는 탄화수소를 분리 추출해, 상온상압에서 가스상태의 프로판, 부탄 등의 혼합기체를 가압 또는 냉각해 액화한 것. 가정용, 공업용, 내연기관용 연료, 도시가스의 원료로서 사용되고 있음.

### ● 액화천연가스(Liquefied Natural Gas : LNG)

지하 또는 해저의 가스전(석유광상)에서 뽑아내는 가스 중 상온에서 액화하지 않는 성분이 많은 건성가스(Dry Gas)를 수송 및 저장의 용이성을 위해 액화한 것으로 보통 "천연가스"라 불림. 주성분은 메탄( $\text{CH}_4$ )으로  $-162^\circ\text{C}$ 로 액화하면 체적은 원래의 1/600로 되어, 그 상태로 전용탱크에 수송되어 반지하 또는 지상의 대형 단열탱크에 저장됨. 우리나라의 경우 해외 천연가스 산지의 LNG공장에서 액화하는 것을 LNG선으로 도입하여 이를 국내 LNG공장에서 기체화한 후 파이프를 통해 발전소나 수용가에 공급하고 있음.

### ● 양수발전(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.

### ● 에너지원(Energy Resources)

에너지로 가능한 자원을 뜻하며 열에너지, 빛에너지, 운동에너지를 얻을 수 있는 화석연료나 핵분열 및 대체에너지로서 수력발전, 태양에너지, 풍력에너지, 조력에너지, 지열에너지 등을 말함.

### ● 역청탄(Tar Sand / Oil Sand)

역청이나 높은 점성의 다른 원유를 함유하고 있는 퇴적암. 일반적인 생산방법으로는 함유된 원유를 채유할 수 없음.

### ● 연료유(Fuel Oil)

석유제품 중 에너지 발생을 위한 연료로 사용되는 유종을 말하며, 휘발유, 등유, 경유, B-C유, 제트유가 포함됨. 통상 석유제품은 연료유, LPG, 비연료유로 구분됨.

### ● 연료전지(Fuel Cell)

연료(주로 수소)와 산화제(주로 산소)를 전기화학적으로 반응시켜 그 반응에너지를 전기로 직접 빼내는 직류발전장치. 연료의 연소에너지를 열로써가 아닌, 전기에너지로서 이용하는 것으로서, 전기자동차용 연료전지나 연료전지발전소 등의 고성능이고 경제성이 뛰어난 연료전지의 개발이 추진되고 있음.

### ● 열량(Heat Quantity of Heat)

고온의 물체에서 저온의 물체로 이동하는 에너지의 일종으로, 역학적 일과 구별하여 내부에너지의 변화를 가져오는 에너지를 열이라고 하고, 그 출입량을 열량이라 함.

### ● 열병합발전(Combined Heat & Power : CHP)

발전을 통하여 전력을 생산함과 동시에 고압 스팀 및 온수를 생산하는 시설을 말함. 단순히 전력만을 생산하는 경우와 비교해 보면 2배 가까운 열효율(약 60~70%)을 얻을 수 있음.

### ● 열에너지(Thermal Energy)

에너지 형태의 하나로서, 증기기관이나 내연기관과 같은 열기관에 의하여 역학적 에너지로 바뀌어 이용되는 경우 이외에도 난방, 조리, 온수 등의 용도로 가장 많이 이용되고 있는 기본적인 에너지임. 역학적 에너지는 마찰열 등의 방법으로 100% 모두 열에너지로 바뀜. 모든 에너지는 최종적으로 열에너지로 전환되어 방출됨.

### ● 열효율(Thermal Efficiency)

공급된 열에너지에 대한 열에너지의 비율을 열효율이라고 함. 보일러 등의 여열 이용설비에서의 흡수열량, 소각에 의한 발생열량에 대한 비율을 %로 나타내어 열효율로 함.

### ● 원유(Crude Oil)

천연산 광물성 기름으로서, 다양한 종류의 탄화수소로 되어있음. 상압증류 후에 잔류하는 파라핀 왁스나 역청의 함유량에 따라 파라핀계, 아스팔트계, 혼합계로 나누어짐. 현재의 전문용어상으로 원유(Petroleum)는 액체탄화수소뿐만 아니라 기체나 고체 탄화수소도 포함.

### ● 저유황 중유(중유, B-C유, 연료유)(LS B-C / Low Sulfur B-C)

유황성분 1.0wt% 이상의 B-C유를 말하며 주로 보일러 연료, 발전소 연료 등으로 사용함.

### ● 제트유, 여객기용(JA-1 / Jet A-1)

주로 민간 여객기에 사용하는 연료유로 등유유분에 여러 가지 첨가제를 넣어 만들.

### ● 제트유, 전투기용(JP-4)

주로 군용 전투기에 사용하는 연료유로 등유와 납사를 각각 50%씩 혼합한 유분에 여러 가지 첨가제를 넣어 만들.

### ● 제트유, 전투기용(JP-8)

주로 군용 전투기에 사용하는 연료유로 JA-1과 같이 등유유분에 여러 가지 첨가제를 넣어 만들며, JP-4에 비해 안정성이 우수함.

### ● 줄(J, Joule)

에너지, 일, 열량의 정도를 나타내는 기본 단위로  $1J=0.239cal$

### ● 중간유분(Middle Distillate)

원유에서 정제된 제품 중 가솔린, 나프타를 경질유분, B, C, 중유를 중질유분이라고 함. 경질유분과 중질유분을 제외한 등유, 경유, A중유를 중간유분이라고 함함.

### ● 중유(Heavy Oil)

원유를 분류해 가솔린과 등유, 경유 등을 추출한 후에 남은 상압잔사유에서 얻어짐. 인화점이 높은 연료유.

### ● 중유(Bunker-B)

경유유분 30%, B-C 유분 70%를 혼합시킨 연료유.

### ● 중질(重質)원유(Heavy Distillate)

원유는 비중에 따라 경질(輕質), 중질(中質), 중질(重質) 원유로 구분할 수 있음. 중질원유로서는 아라비아헤비를 포함한 이란 헤비, 쿠웨이트, 카프지원유를 들 수 있음.

### ● 중질중유(Bunker-A)

경유유분 70%, B-C 유분 30%를 혼합시킨 연료유.

### ● 지역냉난방(District Heat and Cooling)

일정지역의 다수의 건물에 동시에 냉난방을 하는 방식. 가정의 집중난방이나 빌딩의 공기조절을 지역적으로 확대한 것으로 중앙에 냉난방 플랜트를 만들어 거기서 파이프를 통하여 주변의 빌딩에 냉난방기능을 공급함.

### ● 지열(Geothermy)

지열은 지하의 물체가 갖는 열을 말함. 지열은 지구가 생성될 때 있던 열로 아직 방열되지 않은 상태이거나 우라늄이나 토륨 같은 방사선원소의 붕괴에 의하여 생기는 것으로 추정. 일본처럼 화산이 많은 고온지열지대는 지하에 용융암석의 활동에 의한 것으로, 여기에 물을 주입하여 증기를 생산하고 이것으로 증기터빈을 돌려서 발전에 이용할 수가 있고 이런 시스템을 지열발전소라고 함. 보통 화산이 없는 지대에서는 약 3,000미터 지하로 들어가면 약 섭씨 100도가 되며 지역에 따라서는 이보다 온도가 높을 수 있음. 프랑스 파리 등에서는 약 1,500미터 정도에서 약 70도 전후의 열을 퍼올려 지역난방에 이용.

### ● 천연가스(Natural Gas)

주로 메탄으로 구성되며, 지하 저장층에 천연으로 부존함.

### ● 코크스(Coke)

석탄을 공기가 없는 상태에서 열을 가함으로써 얻는 고체연료.

### ● 토탄(Peat)

가연성, 연성, 다공성이거나 압축성, 수분함량이 높은 식물성의 화석 퇴적물(최고 90%까지의 높은 수분함량). 쉽게 부서지고 연한 갈색에서 짙은 갈색임.

### ● 폐열의 이용(Utilization of Waste Heat)

쓰레기 소각로의 폐열은 폐열보일러로 유입되어 증기 및 온수를 발생시킴. 증기이용법으로는 발전, 냉·난방용, 공장프로세스 증기용으로 사용됨. 또 온수는 공장내의 급탕, 목욕탕용, 냉난방용, 수영장 등에 사용.

### ● 프로판(Propane)

분자식 C<sub>3</sub>H<sub>8</sub>의 파라핀계 탄화수소로, 일반적으로 석유정제나 천연가스 생산시 부산물로 얻어지는 가스이며 부탄가스와 함께 LPG로 불리며, 중질유 분해나 접촉개질, 천연가스 생산시 부산물로 생산되기도 함. 프로판은 주로 가정에서 취사나 난방에 사용하는 LPG로 천연가스가 공급되지 않는 지역에서는 도시가스으로도 사용됨.

### ● 항공휘발유(Aviation Gas / Aviation Gasoline)

제트엔진을 사용하지 않는 소형경량 항공기의 엔진은 자동차의 휘발유엔진(피스톤 엔진)과 같은 구조로 되어있으며 이 엔진에 사용되는 휘발유를 말함. 항공기의 엔진은 자동차의 엔진에 비해 압축비가 높고, 고속으로 회전하며, 지상보다 조건이 까다로운 고공에서 운전되므로 이에 사용되는 휘발유는 고옥탄가가 요구될 뿐만 아니라 기타 출력, 휘발성, 산화안정성, 어는점 등의 규격이 일반 자동차용 휘발유보다 까다로움.

### ● API(American Petroleum Institute)

원유나 석유제품의 비중을 나타내기 위한 지표로서, 미국석유회(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.

### ● GDP(Gross Domestic Product)

국내 총생산, 국민소득의 크기를 측정하는 데에는 2가지 방법이 있음. 그 나라의 거주자가 소유한 생산요소로부터 발생한 소득인 국민 총생산(GNP)을 이용하는 경우와 그 나라의 영역 내에서 생산된 소득의 국내총생산(GDP)을 이용하는 경우가 있음. 대외투자가 많이 차지하는 나라에서는 이자, 배당, 이윤 등 해외로부터의 요소소득이 큰 경우 GNP는 GDP보다 큼.  $GNP = GDP - [\text{해외로부터의 순소득}(\text{국민의 해외로부터의 소득} - \text{국민의 해외로의 지출})]$

### ● IEA(International Energy Agency)

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

### ● kWh(Kilo Watt Hour)

1,000W(1kW)의 전력을 한시간 동안 제공하거나 소비했을 때의 전력량에 해당하는 에너지.

### ● OECD(Organization for Economic Cooperation and Development)

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

### ● OPEC(Organization of Petroleum Exporting Countries)

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



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## 지역에너지통계연보

발 행 일 : 제23권, 2022년 12월

발 행 인 : 양 의 석

발 행 처 : 에너지경제연구원

우 44543 울산광역시 중구 종가로 405-11(성안동)

## Yearbook of Regional Energy Statistics

Published : Vol. 23, Published in December 2022

Publisher : Yang Euy Seok

Published by Korea Energy Economics Institute

Address : 405-11, Jongga-ro, Jung-gu, Ulsan, Republic of Korea(44543)

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인 쇄 : 디자인매일





# 2022

## 지역에너지통계연보

Yearbook of Regional Energy Statistics

