
VIII. 전기, 가스, 수도

ELECTRICITY, GAS, WATER-SUPPLY

Ⅷ. 전기, 가스, 수도 ELECTRICITY, GAS, WATER-SUPPLY

1. 용도별 전력사용량	Electric Power Consumption by Use
2. 제조업 중분류별 전력사용량	Electric Power Consumption by Division of Industry
3. 가스공급량	Gas Supply
4. 상수도	Public Water Services
5. 상수도관	Public Water Pipe
6. 급수사용량	Consumption of Water Supplied
7. 급수사용료 부과	Charges of Water Consumption
8. 하수도인구 및 보급률	Sewage Population and Distribution rate
9. 하수사용료부과	Charges for Use of Sewage Facilities
10. 하수관거	Sewage Pipe

1. 용도별 전력사용량

단위 : MWh

연별 및 월별 Year & month	합 계		주 택 용		공 공 용		서비스업용	
	Total	점유율(%) Share	Residential	점유율(%) Share	Public	점유율(%) Share	Service	점유율(%) Share
2001	3,047,458	100	211,676	7.0	89,216	3.0	378,278	12.4
2002	3,199,513	100	224,598	7.0	93,330	2.9	440,813	13.8
2003	3,360,913	100	227,473	6.7	95,442	2.8	473,616	13.8
2004	3,594,463	100	244,173	6.8	103,212	2.9	487,333	13.6
2005	3,776,650	100	254,349	6.7	109,926	2.9	519,432	13.8
2006	4,040,145	100	262,701	7.0	117,587	3.0	558,384	14.0
2007	4,369,263	100	272,450	6.3	120,962	2.8	605,189	13.8
2008	4,793,243	100	286,747	6.3	124,639	2.8	645,143	13.5
1월	409,670	100	25,286	0.1	11,082	2.7	71,970	17.6
2월	388,543	100	25,657	0.1	11,292	2.9	74,260	19.1
3월	412,509	100	23,101	0.1	11,175	2.7	65,201	15.8
4월	406,899	100	23,543	0.1	10,480	2.6	55,773	13.7
5월	412,414	100	21,969	0.1	8,559	2.1	44,603	10.8
6월	393,139	100	22,319	0.1	8,956	2.3	42,218	10.7
7월	402,196	100	22,656	0.1	10,315	2.6	43,980	10.9
8월	392,993	100	26,094	0.1	11,520	2.9	47,794	12.2
9월	410,220	100	24,027	0.1	11,055	2.7	43,860	10.7
10월	399,038	100	22,364	0.1	9,014	2.3	42,174	10.6
11월	389,106	100	24,249	0.1	9,397	2.4	49,812	12.8
12월	376,516	100	25,482	0.1	11,794	3.1	63,498	16.9

자료 : 한국전력공사 군산지사

Electric Power Consumption by Use

Unit : MWh

소 계		농림수산업용		광업용		제조업용	
Total	점유율(%) Share	Agri, forestry & fishery	점유율(%) Share	Mining	점유율(%) Share	Manufac - turing	점유율(%) Share
2,368,289	77.8	30,551	1.0	5,334	0.3	2,332,404	76.5
2,440,772	76.3	26,581	0.8	4,912	0.2	2,409,279	75.3
2,564,382	76.3	20,196	0.6	3,828	0.1	2,540,358	75.9
2,759,745	76.8	26,400	0.7	3,874	0.1	2,729,471	75.9
2,892,943	76.6	29,016	0.8	4,307	0.1	2,859,620	75.7
3,101,473	77.0	30,921	1.0	3,555	-	3,066,998	76.0
3,370,652	77.2	33,711	0.8	2,819	0.1	3,334,122	76.3
3,736,714	78.0	37,718	1.0	3,013	0.1	3,695,882	98.9
301,332	73.6	1,886	0.6	304	0.1	299,142	99.3
277,334	71.4	2,002	0.7	235	0.1	275,097	99.2
313,032	75.9	1,914	0.6	305	0.1	310,813	99.3
317,103	77.9	2,075	0.7	256	0.1	314,771	99.3
337,283	81.8	3,941	1.2	219	0.1	333,123	98.8
319,646	81.3	4,314	1.3	213	0.1	315,119	98.6
325,245	80.9	3,662	1.1	231	0.1	321,352	98.8
307,585	78.3	4,384	1.4	274	0.1	302,925	98.5
331,278	80.8	4,251	1.3	225	0.1	326,798	98.6
325,486	81.6	2,744	0.8	238	0.1	322,502	99.1
305,648	78.6	4,308	1.4	310	0.1	301,028	98.5
275,742	73.2	2,237	0.8	203	0.1	273,212	99.1

Source : Gunsan Office of Korea Electric Power Corporation

2. 제조업 중분류별 전력사용량

단위 : MWH

연별 및 월별 Year & month	합 계 Total	음식료품 및 담배제조업 Food beverages & tobacco	섬유의복 및 가죽업 Textile wearing apparel & leather industry	나무 및 나무제품 제조업(가구포함) Wood & wood products (including furniture)	종이 및 종이제품제조업 인쇄 및 출판업 Paper & paper products, printing & publishing
2001	2,332,404	491,113	11,456	104,700	295,298
2002	2,408,966	484,412	13,276	106,855	291,131
2003	2,540,358	508,424	12,841	110,142	317,523
2004	2,729,467	642,425	14,308	108,457	285,426
2005	2,859,620	659,071	14,201	105,338	266,735
2006	3,066,998	635,373	13,423	100,598	260,881
2007	3,334,122	528,403	13,124	108,252	264,402
2008	3,695,882	395,759	14,178	111,307	255,626
1월	299,142	34,611	1,187	9,913	21,286
2월	275,097	31,870	1,112	8,956	18,819
3월	310,813	32,695	1,168	9,962	21,731
4월	314,771	30,209	1,171	9,457	21,812
5월	333,123	35,904	1,059	9,228	22,417
6월	315,119	36,093	1,051	8,529	22,882
7월	321,352	40,520	972	9,292	21,695
8월	302,925	37,107	957	8,806	21,553
9월	326,798	32,794	1,118	9,797	20,444
10월	322,502	31,095	1,361	10,170	22,792
11월	301,028	28,133	1,534	9,142	20,353
12월	273,212	24,728	1,488	8,055	19,842

자료 : 한국전력공사 군산지사

Electric Power Consumption by Division of Industry

Unit : MWH

화학물과 화학,석유,석탄 고무 및 플라스틱제품업 Chemical, Petroleum coal, rubber & plastic products	비금속광물제품 제조업 (석유및석탄제품제외) Non-metallic mineral products	제1차 금속산업 Basic metal Industries	조립 및 금속제품 기계 및 장비제조업 Fabricated metal products, machinery & equipments	기타 제조업 Others manufacturing industry
491,612	218,663	590,940	128,026	596
526,371	201,916	670,517	7,064	107,424
558,908	224,265	644,725	88,587	74,942
555,777	216,616	739,159	8,284	159,015
576,623	228,437	833,889	13,660	161,666
589,429	233,249	1,034,440	13,413	186,192
636,128	248,588	1,308,243	14,604	212,378
613,167	246,075	1,401,040	21,919	636,811
64,059	22,109	124,811	1,677	19,489
62,781	18,903	113,600	1,696	17,360
79,750	20,671	123,978	1,742	19,116
89,920	20,638	120,774	1,736	19,054
38,996	20,994	127,978	1,829	74,718
39,260	20,619	122,049	1,695	62,941
41,531	20,756	111,592	1,844	73,150
39,414	20,272	98,952	1,896	73,968
40,820	20,407	123,686	1,728	76,004
41,571	21,349	125,099	1,735	67,330
39,201	19,939	109,972	2,002	70,752
35,864	19,418	98,549	2,339	62,929

Source : Gunsan Office of Korea Electric Power Corporation

3. 가스 공급량

단위 : 개소, m³, ton

연별 및 월별 Year & month	도시가스 Liquefied natural gas(LNG)		프로판 Propane(LPG)
	판매소수 Number of selling stores	판매량(1000m ³) Amount sold	판매소수 No. of selling stores
2001	1	45,971	36
2002	1	54,980	38
2003	1	60,237	38
2004	1	73,032	38
2005	1	79,732	36
2006	1	125,549	33
2007	1	168,872	36
2008	1	172,314	36
1월	1	19,892	36
2월	1	19,748	36
3월	1	17,163	36
4월	1	15,192	36
5월	1	12,790	36
6월	1	11,498	36
7월	1	11,180	36
8월	1	10,189	36
9월	1	11,779	36
10월	1	13,046	36
11월	1	13,384	36
12월	1	16,453	36

자료 : 지역경제과

Gas Supply

unit : place, m³, ton

프로판 Propane(LPG)	부탄 Butane gas	
판매량(t) Amount sold	판매소수 No. of store	판매량(t) Amount sold
8,773	9	30,122
8,430	10	26,686
8,224	10	27,835
7,424	13	28,936
6,870	13	28,997
10,603	13	27,237
10,402	14	27,096
10,179	15	29,203
989	14	2,482
951	14	2,516
1,005	14	2,479
940	15	2,348
961	15	2,501
613	15	2,193
659	15	2,452
581	15	2,549
785	15	2,477
808	15	2,339
871	15	2,453
1,016	15	2,414

Source : Division of Local Economy

4. 상수도

단위 : 명

연 별 Year	총 인 구 Population	급 수 인 구 Water-supply population	보 급 륜 (%) Water-supply rate
2001	277,680	237,687	85.6
2002	273,086	235,037	86.1
2003	269,865	236,456	87.6
2004	266,541	236,265	88.6
2005	264,750	235,318	88.9
2006	263,194	241,153	91.6
2007	263,213	242,651	92.3
2008	267,146	243,399	92.1

자료 : 수도과

주 : 공업용수 제외

5. 상수도관

단위 : m

연 별 Year	합계 Total	도수관 Aqueduct pipe				송수관 Transmission pipe				배수
		강관 Steel	주철관 Castiron	기타 Other	강관 Steel	주철관 Castiron	기타 Others			
2001	1,181,012	-	-	-	-	39,910	4,467	27,604	1,066	600,712
2002	1,280,511	-	-	-	-	69,695	8,325	28,288	1,066	674,312
2003	1,365,983	-	-	-	-	69,695	8,325	28,453	1,066	713,640
2004	1,387,651	-	-	-	-	69,695	8,325	28,580	1,066	710,032
2005	1,427,044	8,926	-	8,926	-	29,045	8,325	19,654	1,066	720,684
2006	1,479,593	8,926	-	8,926	-	29,045	8,325	19,645	1,066	738,611
2007	1,543,364	8,926	-	8,926	-	29,045	8,325	19,654	1,066	771,508
2008	1,596,426	8,926	-	8,926	-	27,979	8,325	19,654	-	797,569

자료 : 수도과

주 : 합성수지관은 PVC, PE, Hi-3P 포함

Public Water Services

단위 : 명

시설용량 (m ³ /일) Water-supply capacity	급 수 량 (m ³ /일) Amount of water supplied	1일1인당 급수량(ℓ) Water supply amount per person a day	급수전수 Number of faucets
131,800	120,585	507	41,386
320,000	115,620	492	41,856
213,200	124,430	526	42,314
188,200	125,584	532	42,746
213,200	118,525	504	42,796
68,000	113,997	479	43,192
68,000	101,465	418	43,851
43,000	100,311	412	44,946

Source : Division of Water works

Public Water Pipe

Unit : m

Conduit pipe			급수관 Water supply pipe						
강 관 Steel	주철관 Castiron	기 타 Others	아연도강관 Galvanized steel	주 철 관 Castiron	동관 Copper	스텐레스관 Stainless steel	합성수지관 Plastic	기타 Others	
1,106	344,085	255,521	547,163	50,732	25,334	2,500	46,756	413,805	8,036
1,014	394,453	278,845	568,520	50,732	25,797	2,500	46,756	434,699	8,036
1,014	412,145	300,481	614,499	50,732	25,797	2,500	46,756	480,678	8,036
904	408,110	301,018	639,648	50,545	26,751	2,500	46,726	505,090	8,036
904	406,521	313,259	668,389	50,440	27,779	2,500	46,722	532,912	8,036
904	406,110	331,597	703,011	50,440	27,779	2,500	47,972	574,320	-
904	426,726	343,878	733,885	50,440	27,779	2,500	47,972	605,194	-
-	422,058	375,511	761,952	50,440	5,500	2,500	47,972	619,284	-

Source : Division of Water works

Note : Including PVC, PE, HI-3P

6. 급수 사용량

단위 : m³

연 별 Year	합 계 Total	가 정 용 Domestic	업 무 용 구)영업용1종 Affair
2001	47,684,000	14,340,000	3,413,000
2002	46,123,000	14,136,000	3,346,000
2003	46,166,000	14,159,000	3,366,000
2004	47,849,000	14,327,000	4,330,000
2005	46,413,041	14,340,704	4,096,707
2006	22,389,817	14,516,908	3,787,593
2007	45,595,409	14,527,137	3,819,020
2008	47,672,812	14,882,577	3,631,927

자료 : 수도과

7. 급수사용료 부과

단위 : 천원

연 별 Year	합 계 Total	가 정 용 Domestic	업 무 용 Affair
2001	25,373,365	7,343,067	3,572,011
2002	27,940,739	8,090,094	3,960,313
2003	31,554,251	9,098,827	4,548,527
2004	31,441,027	9,393,827	6,271,625
2005	30,217,279	9,270,312	5,925,310
2006	21,464,718	9,349,524	5,384,351
2007	31,446,224	9,917,862	6,574,198
2008	33,722,112	10,429,263	5,725,793

자료 : 수도과

Consumption of Water Supplied

Unit : m³

영업용 구)영업용2종 Business	욕탕용 1종 Bathhouse Class 1	욕탕용 2종 Bathhouse Class 2	전용공업용 Industrial	기 타 Others
3,892,000	508,000	-	25,531,000	-
3,933,000	563,000	-	24,145,000	-
3,933,000	563,000	-	24,145,000	-
3,661,000	522,000	-	25,009,000	-
3,607,595	441,593	-	23,926,442	-
3,646,509	438,807	-	-	-
3,609,475	426,636	-	23,213,141	-
4,112,678	407,204	-	24,638,426	-

Source : Division of Waterworks

Charges for Water Consumption

Unit : 1,000 won

영업용 Business	욕탕용 1종 Bathhouse Class 1	욕탕용 2종 Bathhouse Class 2	전용공업용 Industrial	기 타 Others
5,341,763	579,322	-	8,537,202	-
5,963,086	748,768	-	9,178,478	-
6,257,091	836,911	-	10,812,895	-
6,214,354	800,589	-	8,760,632	-
5,975,236	668,788	-	8,377,633	-
6,056,140	674,703	-	-	-
5,517,350	689,161	-	8,747,653	-
7,276,400	674,356	-	9,616,300	-

Source : Division of Waterworks

8. 하수도 인구 및 보급률

단위 : 명, km², %

연 별 Year	수 계 Water System	특별대책 지 역 Special measure Area	총인구 (명) Total Population	총면적 (km ²) Total Area	하수처리구역 내 Inner area of sewage treatment			
					하수 종말처리인구(명) Population of Benefiting from Sewage			3차 Advanced(b3)
					1차 처리 Mechanic(b1)	2차 처리 Biological(b2)		
2005	금강서해	...	264,750	382.23	216,721	-	216,721	-
2006	금강서해	...	263,194	382.26	216,064	-	216,064	-
2007	금강서해	...	263,213	390.08	216,886	-	216,886	-
2008	금강서해	...	267,146	390.1	230,499	-	221,108	9,391

자료 : 하수과

9. 하수사용료 부과

단위 : 백만원

연 별 Year	업종별 하수사용료 Charges for Use of Sewage Facilities							
	가정용 Domestic	업무용 Affair	영업용 Business	욕탕용1종 Bath house Class1	욕탕용2종 Bath house Class2	공공용 Public	기 타 Others	
2006	4,550	1,652	...	188	2,522	...	188	...
2007	5,698	1,653	...	1,064	189	...	709	2,083
2008	6,367	3,282	804	1,725	57	-	499	-

자료 : 하수과

Sewage Population and Distribution rate

Unit: Person, km², %

하수처리구역 내 Inner area of sewage treatment				하수처리구역 외 Outer area of sewage treatment				하수도 보급률(%) Distribu- tionrate of Sewage	
폐수 종말처리인구(명) Population of Benefiting from Waste water			면적 (km ²) Area	인구(명) Population		면적 (km ²) Area			
1차 처리 Mechani- c(b1)	2차 처리 Biological (b2)	3차 Advanc- ed(b3)		시가 Urban	비시가 Rural				
-	-	-	-	84.97	48,029	-	48,029	295	81.85
...	87.13	47,130	...	47,130	295.10	82.09
...	95.48	46,327	...	46,327	294.53	82.40
-	-	-	-	51.6	36,647	...	36,647	338.5	86.3

Source : Division of Sewage

Charges for Use of Sewage Facilities

Unit : Million won

하수도 처리 비용분석 Cost of Sewage Disposal					
연간부과량(천톤) (A) Total Volume for the Usage of Sewage (1000 tons)	부과액(백만원) (B) Amounts for Usage (Million won)	평균단가 (원/톤) C=(B/A*1000) Average of Amounts (won/ton)	처리비용(백만원) (D) Expense of Sewage Treatment (Million won)	처리원가 (원/톤) E=(D/A*1000) Cost of Sewage Treatment (won/ton)	현실화율 (%) F=(E/C*100) Actual rate of benefit & cost
35,744	6,088	170	22,120	619	27.5
33,274	5,705	171	21,354	641	37.4
33,237	6,367	192	22,130	666	28.8

Source : Division of Sewage

10. 하수관거

단위 : km², m, 개

구분 및 연별 Kind & Year	계획연장 (m) Planned length	시설연장 (m) Constructed length	보급률 (%) Distribution rate	합류식(m) Unclassified pipe	
				계획면적(km ²) Planned area	계획연장 Planned length
2001	1,353,468	661,965	49.0		481,811
2002	1,353,468	689,515	50.9	...	481,811
2003	1,353,468	690,835	51.0	...	481,811
2004	1,353,468	696,235	51.4	...	481,811
2005	1,353,468	701,849	52	224	481,811
2006	1,353,468	704,605	52	224	481,811
2007	1,353,468	849,178	62	224	481,881
2008	1,035,244	953,234	92	224	163,587
시가지	708,353	793,297	112	33	99,543
시외지	326,891	159,937	49	191	64,044

구분 및 연별 Kind & Year	분류식(m) Classified pipe				
	오수관거 Sewage Pipe Line			우수관거	
	시설연장 Constructed length	암거 Culvert		계획연장 Planned length	시설연장 Constructed length
사각형 Quadrangle		원형 Circle			
2002	317,835	...	...	...	...
2003	319,155	...	...	...	...
2004	321,855	...	...	...	...
2005	148,438	13,780	134,658	458,027	176,223
2006	150,133	13,780	136,353	458,027	177,121
2007	226,632	13,780	212,852	458,027	245,195
2008	306,867	13,780	293,087	458,027	289,016
시가지	242,865	13,780	229,085	323,958	286,023
시외지	64,002	-	64,002	134,069	2,993

자료 : 하수과

Sewage Pipe

Unit : km², m, each

시설연장 Constructed length	합류식(m) Unclassified pipe				분류식(m) Classified pipe	
	암거 Culvert		개거 Open ditch	측구 Gutter	계획면적(km ²) Planned area	오수관거 계획연장 Planned length
	사각형 Quadrangle	원형 Circle				
354,525	...	...	...	...	...	871,657
371,680	...	...	...	...	...	871,657
371,680	...	...	...	...	...	871,657
374,380	...	...	...	...	...	871,657
377,188	35,571	217,320	31,340	90,149	163	413,630
377,351	35,653	220,209	31,340	90,149	163	413,630
377,351	35,653	220,209	31,340	90,149	163	413,630
377,351	35,653	220,209	31,340	90,149	163	413,630
284,409	31,081	186,322	5,101	61,905	83	284,852
92,942	4,572	33,887	26,239	28,244	80	128,778

분류식(m) Classified pipe				맨홀 (개소) Manhole (Numbers)	우·오수반이 (개소) Storm & House inlet (Numbers)	토실·토구 (개소) Sewer outlet (Numbers)
우수관거 Rain Water Pipe		Line				
암거 Culvert	개거 Open ditch	측구 Gutter				
사각형 Quadrangle				원형 Circle		
...
...
...
35,405	135,927	178	4,713	12,426	7,938	87
35,595	136,635	178	4,713	12,515	8,002	87
64,094	176,210	178	4,713	15,603	16,621	87
64,094	200,031	178	4,713	16,417	17,415	87
64,072	197,060	178	4,713	16,217	16,769	87
22	2,971	-	-	200	646	-

Source : Division of Sewage

