

第

15

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CHAPTER

无锡统计年鉴
2023

能源 电力

ENERGY AND ELECTRICITY

2023 WUXI STATISTICAL YEARBOOK



第十五篇 能源 电力

CHAPTER X V ENERGY AND ELECTRICITY



• 原煤消费量	2401.08万吨	(10 ⁴ tons)
Coal Consumption		
• 原油消费量	87.77万吨	(10 ⁴ tons)
Crude Oil Consumption		
• 汽油消费量	1.28万吨	(10 ⁴ tons)
Gasoline Consumption		
• 燃料油消费量	0.40万吨	(10 ⁴ tons)
Fuel Oil Consumption		
• 全社会用电量	833.30亿千瓦时	(10 ⁸ kWh)
Total Electricity Consumption		
比上年增长	-0.6%	
Over the Previous Year		
• 工业用电量	600.40亿千瓦时	(10 ⁸ kWh)
Industrial Electricity Consumption		
比上年增长	-3.2%	
Over the Previous Year		
• 城乡居民用电量	99.40亿千瓦时	(10 ⁸ kWh)
Urban and Rural Residents' Electricity Consumption		
比上年增长	17.0%	
Over the Previous Year		

15—1 全市规模以上工业企业能源购进、消费及库存量

Purchasing,Consumption and Storage of Energy in Industrial Enterprises above Designed Size

单位：吨		(2022年)		(ton)	
名 称		购进量	工业生产	其中 of Which	年末
Name		Purchase	消费量	原材料	库存量
			Production	raw and	Storage
			Consumption	Processed	(year-end)
				Materials	
原煤	Raw Coal	23963323	24010833	1246804	1232083
其他洗煤	Other Coal	1166535	1159910		58175
焦炭	Coke	4458126	4460778		73772
其他焦化产品	Other Coking Products	32117	34138	34138	527
高炉煤气	(10000 cu.m) Blast-furnace Gas	68592	1421107		
转炉煤气	(10000 cu.m) Converter Gas	77	105368		
天然气	(10000 cu.m) Natural Gas	424035	424035		
液化天然气	Liquefied Natural Gas	49587	49735		223
氢气	(10000 cu.m) Hydrogen	787	787		
原油	Crude Oil	877112	877663		21162
汽油	Gasoline	13188	12834		84
煤油	Kerosene	219	216		10
柴油	Diesel Oil	42136	41788	176	1551
燃料油	Fuel Oil	4012	3989		45
液化石油气	Liquefied Petroleum Gas	2272	2272		0.3
润滑油	Lubricating Oil	3184	1482	54	103
石蜡	Ceresin Wax	2	2		
溶剂油	Solvent Naphtha	86	90		0.3
其他石油制品	Other Petroleum Products	309	308	110	8
热力	(million Kilo-joule) Heat	50780755	85416629		
电力	(10000 kWh) Electricity	4321823	4895980		
城市生活垃圾 (用于燃料)	City Garbage (for Fuel)	2050948	2803924		34706
生物燃料	(tce) Waste Biomass for Fuel	38267	39075		226
余热余压	(million Kilo-joule) Residual neat and Pressure		6955058		
能源合计	(tce) Total Consumption of Energy		39668325	1084075	

15-2 分地区规模以上工业企业能源消费量
Consumption of Energy in Industrial Enterprises above Designed Size by Districts

单位：吨		(2022年)		(ton)		
名 称	Name	全 市	Total	其中 of Which		
				市 区	江阴市	宜兴市
				Urban	Jiangyin	Yixing
				Districts	City	City
原煤	Raw Coal	24010833		1636093	17961958	4412782
其他洗煤	Other Coal	1159910			1159910	
焦炭	Coke	4460778			3777909	682869
其它焦化产品	Other Coking Products	34138				34138
高炉煤气	(10000 cu.m) Blast-furnace Gas	1421107		163085	1258022	
转炉煤气	(10000 cu.m) Converter Gas	105368		15665	89626	77
天然气	(10000 cu.m) Natural Gas	424035		157219	170291	96524
液化天然气	Liquefied Natural Gas	49735		18464	31262	8
氢气	(10000 cu.m) Hydrogen	787		139	647	
原油	Crude Oil	877663			877663	
汽油	Gasoline	12834		9228	2391	1215
煤油	Kerosene	216		205	10	1
柴油	Diesel Oil	41788		23165	12573	6051
燃料油	Fuel Oil	3989		111	1028	2850
液化石油气	Liquefied Petroleum Gas	2272		1286	910	75
润滑油	Lubricating Oil	1482		1287	147	48
石蜡	Ceresin Wax	2			2	
溶剂油	Solvent Naphtha	90		41	49	
其他石油制品	Other Petroleum Products	308		109	84	115
热力	(million Kilo-joule) Heat	85416629		20041011	36894765	28480854
电力	(10000 kWh) Electricity	4895980		2277764	1976190	642026
城市生活垃圾	(for Fuel) City Garbage	2803924		1694422	631779	477723
生物燃料	(tce) Waste Biomass for Fuel	39075		7952	28143	2981
余热余压	(million Kilo-joule) Residual neat and Pressure	6955058		359886	4547189	2047983
能源合计	(tce) Total Consumption Energy	39668325		7940256	25328541	6399528

15—3 全市规模以上工业企业分行业能源消费量

(2022年)

		能源消费合计	原煤	其他洗煤
		(吨标准煤)	(吨)	(吨)
行	业	Total	Raw Coal	Others Coal
	Sector	Consumption of Energy (tce)	(ton)	(ton)
总 计	Total	39668325	24010833	1159910
农副食品加工业	Processing of Food from Agricultural Products	24271		
食品制造业	Manufacture of Foods	98239		
酒、饮料和精制茶制造业	Manufacture of Wine, Beverage and Refined Tea Manufacturing	47470		
纺织业	Textile Industry	1107999	93475	
纺织服装、服饰业	Manufacture of Textile Wearing Apparel, Clothing	60744		
皮革、毛皮、羽毛及其制品和制鞋业	Manufacture of Leather, Fur, Feather, Related and Footwear Products	1987		
木材加工和木、竹、藤、棕、草制品业	Processing of Timber, Manufacture of Wood,Bamboo, Rattan, Palm and Straw Products	5498		
家具制造业	Manufacture of Furniture	17046		
造纸和纸制品业	Manufacture of Paper and Paper Products	411291	252619	
印刷和记录媒介的复制业	Printing, Reproduction of Recording Media	88477		
文教、工美、体育和娱乐用品制造业	Manufacture of Culture, Art, Sports and Entertainment Products	35441		
石油、煤炭及其他燃料加工业	Petroleum, Coal and Other Fuel Processing Industry	1279654		
化学原料和化学制品制造业	Manufacture of Raw Chemical Materials and Chemical Products	3466000	2429991	
医药制造业	Pharmaceutical Manufacturing Industry	108423		
化学纤维制造业	Manufacture of Chemical Fibers	866039	155937	
橡胶和塑料制品业	Manufacture of Rubber,Plastics	712001		
非金属矿物制品业	Manufacture of Non-metallic Mineral Products	858315	503385	
黑色金属冶炼和压延加工业	Smelting and Pressing of Ferrous Metals	9438402	1321010	475227
有色金属冶炼和压延加工业	Smelting and Pressing of Non-ferrous Metals	385112		
金属制品业	Manufacture of Metal Products	735921		
通用设备制造业	Manufacture of General Equipment	347438		
专用设备制造业	Manufacture of Special Equipment	178155		
汽车制造业	Manufacture of Automotive	354178		
铁路、船舶、航空航天和其他运输设备制造业	Manufacture of Railroads, ships, aerospace and other transportation equipment	71589		
电气机械和器材制造业	Manufacture of Electrical Machinery and Equipment	549258		
计算机、通信和其他电子设备制造业	Manufacture of Communication Equipment, Computers and Other Electronic Equipment	1547006		
仪器仪表制造业	Manufacture of Measuring Instruments	21476		
其他制造业	Other Manufacturing	18955		
废弃资源综合利用业	Comprehensive Utilization of Waste Resources	6774		
金属制品、机械和设备修理业	Manufacture of Metal Products, Machinery and Equipment Repair	1417		
电力、热力生产和供应业	Production and Supply of Electricity and Heat	16749185	19254416	684683
燃气生产和供应业	Production and Supply of Gas	2898		
水的生产和供应业	Production and Supply of Water	71668		

Consumption of Major Energy in Industrial Enterprises above
Designed Size by Sector

焦炭	天然气	液化天然气	原油	汽油	煤油	柴油	燃料油	液化石油气	热力	电力
(吨)	(万立方米)	(吨)	(吨)	(吨)	(吨)	(吨)	(吨)	(吨)	(百万千焦)	(万千瓦时)
Coke	Natural Gas	Liquefied Natural Gas	Crude Oil	Gasoline	Kerosene	Diesel Oil	Fuel Oil	LPG	Heat	Electricity
(ton)	(10000 cu·m)	(ton)	(ton)	(ton)	(ton)	(ton)	(ton)	(ton)	(million Kilo-joule)	(10000 kWh)
4460778	424035	49735	877663	12834	216	41788	3989	2272	85416629	4895980
	55								397874	8208
	640	5544		29		30			1423282	26302
	75			5		28			992132	10315
	18924	3163		585		494		449	13219172	281104
	402	130		263		130		1	873386	20453
									40814	484
	53			70		149			2922	3613
	23	68		44		4			8684	13240
	384			5		1401			4376827	46290
	1428	23		293		653			341518	45897
	1018	574		18		108			26632	14673
	1534		877663	8		72			43852	3345
	11704	11261		330		1983	191	9	31532287	207195
	933			19		2			1300297	42869
	18397	351		34		9			7767209	209941
	23034	1485		672		687		9	3075604	260151
	15070	1471		289	1	9480	3657		553082	159363
4460778	41395	18729		87		5422		564	1724386	735095
	17128	280		238		740		83	199272	131932
	25796	1817		1197		2096		504	461058	317598
	4656	483		2537	191	3601	20	194	383691	214001
	1562	399		1783	8	977		221	88421	121513
	5685	488		803	0.1	7948		131	559920	205673
	594	29		898	16	1618		103	10310	48703
	6074	244		1321		1097		4	1342305	348214
	8548	3195		368		139			5708575	1010049
	145			415	0.3	118	23			15341
	690			11		1			42924	7347
	24			11		68	88		87557	2671
				18		14				1115
	217944			81		2680	10		8669255	328981
	70			227		36				1289
	51			175		3			163380	53014

15—4 规模以上工业企业工业取水量

(2022年)

		工业取水总量 (万立方米)
	行 业	
	Sector	Total (10000 cu.m)
总 计	Total	136838.05
农副食品加工业	Processing of Food from Agricultural Products	45.67
食品制造业	Manufacture of Foods	464.83
酒、饮料和精制茶制造业	Manufacture of Wine, Beverage and Refined Tea Manufacturing	305.44
纺织业	Textile Industry	5056.38
纺织服装、服饰业	Manufacture of Textile Wearing Apparel, Clothing	420.69
皮革、毛皮、羽毛及其制品和制鞋业	Manufacture of Leather, Fur, Feather, Related and Footwear Products	3.93
木材加工和木、竹、藤、棕、草制品业	Processing of Timber, Manufacture of Wood,Bamboo, Rattan, Palm and Straw Products	16.78
家具制造业	Manufacture of Furniture	81.44
造纸和纸制品业	Manufacture of Paper and Paper Products	782.28
印刷和记录媒介的复制业	Printing, Reproduction of Recording Media	146.43
文教、工美、体育和娱乐用品制造业	Manufacture of Culture, Art, Sports and Entertainment Products	106.15
石油、煤炭及其他燃料加工业	Petroleum, Coal and Other Fuel Processing Industry	26.11
化学原料和化学制品制造业	Manufacture of Raw Chemical Materials and Chemical Products	3681.31
医药制造业	Pharmaceutical Manufacturing Industry	580.82
化学纤维制造业	Manufacture of Chemical Fibers	472.76
橡胶和塑料制品业	Manufacture of Rubber,Plastics	866.63
非金属矿物制品业	Manufacture of Non-metallic Mineral Products	646.81
黑色金属冶炼和压延加工业	Smelting and Pressing of Ferrous Metals	2766.93
有色金属冶炼和压延加工业	Smelting and Pressing of Non-ferrous Metals	544.51
金属制品业	Manufacture of Metal Products	1074.35
通用设备制造业	Manufacture of General Equipment	956.48
专用设备制造业	Manufacture of Special Equipment	604.44
汽车制造业	Manufacture of Automotive	818.77
铁路、船舶、航空航天和其他运输设备制造业	Manufacture of Railroads, ships, aerospace and other transportation equipment	441.02
电气机械和器材制造业	Manufacture of Electrical Machinery and Equipment	1694.89
计算机、通信和其他电子设备制造业	Manufacture of Communication Equipment, Computers and Other Electronic Equipment	10700.44
仪器仪表制造业	Manufacture of Measuring Instruments	95.76
其他制造业	Other Manufacturing	54.21
废弃资源综合利用业	Comprehensive Utilization of Waste Resources	12.89
金属制品、机械和设备修理业	Manufacture of Metal products, machinery and equipment repair	2.23
电力、热力生产和供应业	Production and Supply of Electricity and Heat	6268.03
燃气生产和供应业	Production and Supply of Gas	13.14
水的生产和供应业	Production and Supply of Water	97085.53

Water Consumption in Industrial Enterprises above Designed Size by Sector

其中 of Which			
1. 自来水 (万立方米) Tap Water (10000 cu.m)	2. 陆地地表水 (万立方米) Surface Water (10000 cu.m)	3. 地下水 (万立方米) Ground Water (10000 cu.m)	重复用水量 (万立方米) Reused Water (10000 cu.m)
23462.29	110473.61	84.57	367439.43
44.33		1.34	0.09
464.83			1755.58
132.31	167.24		6.95
2303.73	2306.21	21.24	6833.56
331.64	65.11	23.31	7.01
3.93			
15.58	1.20		
81.44			2.00
58.92	721.48		9694.76
144.85	1.40	0.10	7.63
88.25	17.37	0.52	27.88
24.20	1.91		17.84
909.59	2466.74	6.75	177342.26
534.99	10.00	13.21	961.40
378.14	85.84	0.32	445.71
743.10	123.39	0.14	404.90
393.96	243.46	5.95	419.67
659.26	2100.14	0.22	72514.99
521.56	20.48	2.46	30.10
1065.74	5.74	1.44	687.76
948.99	3.52	1.36	4727.90
592.15	10.69	1.59	17.61
816.83	1.92	0.01	1357.86
210.05	229.92	1.00	20.73
1597.11	9.42	2.55	378.60
8881.22	52.55	1.06	15831.44
95.10	0.65	0.001	13.16
29.58	24.62		
8.01			0.39
2.23			0.96
984.25	5100.41		73930.66
13.09		0.01	0.04
383.33	96702.20		

15—5 市区规模以上工业企业能源购进、消费及库存量
Purchasing,Consumption and Storage of Energy in Industrial Enterprises above
Designed Size of Urban Districts

单位：吨		(2022年)		(ton)	
	名 称 Name	购进量 Purchase	工业生产 消费量 Production Consumption	其中 of Which 原材料 raw and Processed Materials	年末 库存量 Storage (year-end)
原煤	Raw Coal	1591240	1636093		82719
焦炭	Coke	683646	682869		16221
高炉煤气	(万立方米) Blast-furnace Gas	(10000 cu.m)	163085		
转炉煤气	(万立方米) Converter Gas	(10000 cu.m)	15665		
天然气	(万立方米) Natural Gas	(10000 cu.m)	157219		
液化天然气	Liquefied Natural Gas	(10000 cu.m)	18360	18464	42
汽油	Gasoline	9631	9228		71
煤油	Kerosene	207	205		8
柴油	Diesel Oil	23250	23165		407
燃料油	Fuel Oil	111	111		
液化石油气	Liquefied Petroleum Gas	1286	1286		
氢气	(万立方米) Hydrogen	(10000 cu.m)	140	139	
润滑油	Lubricating Oil	1281	1287	28	29
溶剂油	Solvent Naphtha	37	41		0.3
其他石油制品	Other Petroleum Products	112	109		6
热力	(百万千焦) Thermo power	(million Kilo-joule)	16014023	20041011	
电力	(万千瓦时) Electricity	(10000 kWh)	2208596	2277764	
城市生活垃圾 (用于燃料)	City Garbage (for Fuel)	1573226	1694422		34706
生物燃料	(吨标准煤) Waste Biomass for Fuel	(tce)	7941	7952	28
余热余压	(百万千焦) Residual neat and Pressure	(million Kilo-joule)	359886		
能源合计	(吨标准煤) Total Consumption Energy	(tce)	7940256	40	

15-6 全社会用电情况

Consumption of Electricity

单位：万千瓦时

(2022年)

(10000 kWh)

	指 标 Items	全市 Total	其中 of which		
			市 区 Urban Districts	江阴市 Jiangyin City	宜兴市 Yixing City
全社会用电量合计	Total Electricity Consumed	8333004	4363486	2793418	1176100
农林牧渔业	Agriculture,Forestry,Animal Husbandry and Fishery	36202	7792	9459	18951
工业	Industry	6004011	2866787	2309876	827348
其中：	In Which				
采矿业	Mining and Quarrying	789	238	88	463
农副食品加工业	Agricultural and Sideline Food Processing Industry	21396	8530	7111	5755
食品制造业	Food Manufacturing Industry	21111	13879	5592	1640
酒、饮料及精制茶制造业	Manufacturing of Wine, Beverage and Refined Tea	6684	4757	108	1819
纺织业	Textile Industry	572098	101430	417878	52790
造纸及纸制品业	Papermaking and Paper Products	51098	40245	9320	1533
石油、煤炭及其他燃料加工业	Petroleum, Coal and Other Fuel Processing Industry	3315	1057	1689	569
化学原料及化学制品制造业	Manufacture of Raw Chemical Materials and Chemical Products	203280	77203	50713	75364
医药制造业	Pharmaceutical Manufacturing Industry	48960	32364	8606	7990
化学纤维制造业	Manufacture of Chemical Fibers	138870	16266	91574	31030
橡胶及塑料制品业	Rubber and Plastic Products	386092	143701	193633	48758
非金属矿物制品业	Manufacture of Non-metallic Mineral Products	223640	50991	30104	142545
黑色金属冶炼及压延加工业	Smelting and Pressing of Ferrous Metals	544319	66193	473801	4325
有色金属冶炼及压延加工业	Smelting and Pressing of Nonferrous Metals	88786	34390	45109	9287
金属制品业	Metal Products	680536	310847	282284	87405
通用设备制造业	General Equipment Manufacturing Industry	499235	339506	120742	38987
电气机械和器材制造业	Electrical Machinery and Equipment Manufacturing Industry	333913	175795	43226	114892
计算机、通信和其他电子设备制造业	Manufacturing of Computers, Communications and Other Electronic Equipment	1096756	889629	160883	46244
其他制造业	Others	40153	16937	2392	20824
建筑业	Construction	41925	17347	15064	9514
交通运输、仓储和邮政业	Transportation , Storage and Post	124169	86913	24690	12566
批发和零售业	Wholesale and Retail Industries	231348	136155	55018	40175
住宿和餐饮业	Accommodation and Catering Industries	74144	39534	16252	18358
其他事业	Others	827242	619844	130705	76693
城乡居民生活用电	Electricity Consumption by Urban and Rural Residents	993963	589114	232354	172495
#城镇居民生活用电	Electricity Consumption by Urban Residents	384157	270790	51121	62246

15—7 全社会用电分月情况
Consumption of Electricity by Month

单位：万千瓦时		(2022年)		(10000 kWh)	
月 份	用电量 Electricity Consumed	其中 of Which			
		#工业 Industry	#城市居民 Urban Residents	#农村居民 Rural Residents	
合计	Total	8333004	6004011	384157	609806
第一季度	First Quarter	1931757	1373224	99798	148222
1月	January	670773	488990	26121	37763
2月	February	580181	387394	33814	51380
3月	March	680803	496840	39863	59079
第二季度	Second Quarter	1928308	1464719	68427	105810
4月	April	584342	437587	28578	45303
5月	May	589567	461704	20672	31937
6月	June	754399	565428	19177	28570
第三季度	Third Quarter	2461553	1709556	135904	224075
7月	July	874682	645384	27986	41597
8月	August	912245	622307	45972	75964
9月	September	674626	441865	61946	106514
第四季度	Fourth Quarter	2011386	1456512	80028	131699
10月	October	646489	425427	40012	68744
11月	November	642013	482512	20259	31869
12月	December	722884	548573	19757	31086