

第 **15** 篇
CHAPTER

无锡统计年鉴
2024

能源 电力

ENERGY AND ELECTRICITY

2024 WUXI STATISTICAL YEARBOOK



第十五篇 能源 电力

CHAPTER X V ENERGY AND ELECTRICITY



• 原煤消费量	2354.21万吨	(10 ⁴ tons)
Coal Consumption		
• 原油消费量	1.63万吨	(10 ⁴ tons)
Crude Oil Consumption		
• 燃料油消费量	0.35万吨	(10 ⁴ tons)
Fuel Oil Consumption		
• 全社会用电量	864.07亿千瓦时	(10 ⁸ kWh)
Total Electricity Consumption		
比上年增长	3.7%	
Over the Previous Year		
• 工业用电量	615.03亿千瓦时	(10 ⁸ kWh)
Industrial Electricity Consumption		
比上年增长	3.9%	
Over the Previous Year		
• 城乡居民用电量	97.09亿千瓦时	(10 ⁸ kWh)
Urban and Rural Residents' Electricity Consumption		
比上年增长	-5.5%	
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		(2023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	23686756	23542054	1509680	1345535
其他洗煤	Other Coal	1117856	1108048		67984
焦炭	Coke	4203230	4209287		67724
其他焦化产品	Other Coking Products	31706	28005	28005	4228
高炉煤气	(万立方米) Blast-furnace Gas	(10000 cu.m)	69495	1394418	
转炉煤气	(万立方米) Converter Gas	(10000 cu.m)		103561	
天然气	(万立方米) Natural Gas	(10000 cu.m)	420851	420851	
液化天然气	Liquefied Natural Gas	49233	49422	512	169
氢气	(万立方米) Hydrogen	(10000 cu.m)	612	946	
原油	Crude Oil		16283		4879
汽油	Gasoline	21299	21281	6	68
煤油	Kerosene	203	206		5
柴油	Diesel Oil	54275	54364	5	1465
燃料油	Fuel Oil	3491	3508		28
液化石油气	Liquefied Petroleum Gas	2064	2064		0.3
润滑油	Lubricating Oil	8822	6979	4516	101
石蜡	Ceresin Wax	2	2		
溶剂油	Solvent Naphtha	77	79		0.3
其他石油制品	Other Petroleum Products	459075	431887		27197
热力	(百万千焦) Heat	(million Kilo-joule)	47649046	79458760	
电力	(万千瓦时) Electricity	(10000 kWh)	4415261	4996860	
城市生活垃圾（用于燃料）	City Garbage (for Fuel)	2316827	2804748		33348
生物燃料	(吨标准煤) Waste Biomass for Fuel	(tce)	39970	39997	198
余热余压	(百万千焦) Residual neat and Pressure	(million Kilo-joule)		8485236	
能源合计	(吨标准煤) Total Consumption of Energy	(tce)		38083880	1308203

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		(2023年)		(ton)		
名 称		全 市	其中 of Which			
			市 区	江阴市	宜兴市	
Name		Total	Urban Districts	Jiangyin City	Yixing City	
原煤	Raw Coal	23542054	1617578	17297743	4626734	
其他洗煤	Other Coal	1108048		1108048		
焦炭	Coke	4209287	615293	3593648	346	
其它焦化产品	Other Coking Products	28005			28005	
高炉煤气	(万立方米) Blast-furnace Gas	(10000 cu.m)	1394418	131547	1262871	
转炉煤气	(万立方米) Converter Gas	(10000 cu.m)	103561	14614	88947	
天然气	(万立方米) Natural Gas	(10000 cu.m)	420851	150535	173062	97254
液化天然气	Liquefied Natural Gas	49422	9072	40340	9	
氢气	(万立方米) Hydrogen	(10000 cu.m)	946	295	314	336
原油	Crude Oil	16283		16283		
汽油	Gasoline	21281	12374	7286	1620	
煤油	Kerosene	206	197	8	1	
柴油	Diesel Oil	54364	26650	21031	6683	
燃料油	Fuel Oil	3508	26	1604	1878	
液化石油气	Liquefied Petroleum Gas	2064	954	583	527	
润滑油	Lubricating Oil	6979	4952	1860	167	
石蜡	Ceresin Wax	2		2		
溶剂油	Solvent Naphtha	79	33	46		
其他石油制品	Other Petroleum Products	431887	65	431815	6	
热力	(百万千焦) Heat	(million Kilo-joule)	79458760	19512421	32630549	27315790
电力	(万千瓦时) Electricity	(10000 kWh)	4996860	2293852	2009168	693840
城市生活垃圾（用于燃料）	City Garbage (for Fuel)	2804748	1708997	636058	459693	
生物燃料	(吨标准煤) Waste Biomass for Fuel	(tce)	39997	5889	30593	3515
余热余压	(百万千焦) Residual neat and Pressure	(million Kilo-joule)	8485236	300588	5717242	2467405
能源合计	(吨标准煤) Total Consumption Energy	(tce)	38083880	7715947	23728644	6639289

15—3 全市规模以上工业企业分行业能源消费量

(2023年)

行 业	Sector	能源消费合计	原煤	其他洗煤
		(吨标准煤)	(吨)	(吨)
		Total Consumption of Energy (tons of SCE)	Raw Coal (ton)	Others Coal (ton)
总 计	Total	38083880	23542054	1108048
农副食品加工业	Processing of Food from Agricultural Products	25957		
食品制造业	Manufacture of Foods	94149		
酒、饮料和精制茶制造业	Manufacture of Wine, Beverage and Refined Tea Manufacturing	46320		
纺织业	Textile Industry	1027513	40107	
纺织服装、服饰业	Manufacture of Textile Wearing Apparel, Clothing	62712		
皮革、毛皮、羽毛及其制品和制鞋业	Manufacture of Leather, Fur, Feather, Related and Footwear Products	1632		
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	5248		
家具制造业	Manufacture of Furniture	19509		
造纸和纸制品业	Manufacture of Paper and Paper Products	425699	253702	
印刷和记录媒介的复制业	Printing, Reproduction of Recording Media	89178		
文教、工美、体育和娱乐用品制造业	Manufacture of Culture, Art, Sports and Entertainment Products	37358		
石油、煤炭及其他燃料加工业	Petroleum, Coal and Other Fuel Processing Industry	644067		
化学原料和化学制品制造业	Manufacture of Raw Chemical Materials and Chemical Products	3530953	2588685	
医药制造业	Pharmaceutical Manufacturing Industry	107138		
化学纤维制造业	Manufacture of Chemical Fibers	827958	149977	
橡胶和塑料制品业	Manufacture of Rubber,Plastics	768541		
非金属矿物制品业	Manufacture of Non-metallic Mineral Products	891215	477282	
黑色金属冶炼和压延加工业	Smelting and Pressing of Ferrous Metals	9122131	1299953	463094
有色金属冶炼和压延加工业	Smelting and Pressing of Non-ferrous Metals	410483		
金属制品业	Manufacture of Metal Products	791774		
通用设备制造业	Manufacture of General Equipment	357598		
专用设备制造业	Manufacture of Special Equipment	191430		
汽车制造业	Manufacture of Automotive	404716		
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	74631		
电气机械和器材制造业	Manufacture of Electrical Machinery and Equipment	615128		
计算机、通信和其他电子设备制造业	Manufacture of Communication Equipment, Computers and Other Electronic Equipment	1531410		
仪器仪表制造业	Manufacture of Measuring Instruments	22300		
其他制造业	Other Manufacturing	10654		
废弃资源综合利用业	Comprehensive Utilization of Waste Resources	8107		
金属制品、机械和设备修理业	Manufacture of Metal Products, Machinery and Equipment Repair	1344		
电力、热力生产和供应业	Production and Supply of Electricity and Heat	15865256	18732349	644954
燃气生产和供应业	Production and Supply of Gas	2622		
水的生产和供应业	Production and Supply of Water	69146		

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)
4209287	420851	49422	16283	21281	206	54364	3508	2064	79458760	4996860
	39			5		20			418459	9122
	685	3114		30		18			1386633	27071
	64			13		57			912404	11644
	18469	1687		1328	1	1464		78	12255513	279291
	680	111		680		186			814814	19831
				20		4			20912	719
	45			108		225			6140	3266
	40	58		113		9			10503	14918
	353			35		1342			4565324	52379
	1473			416		1052			355859	45187
	770	589		42		86			29159	18553
	734		16283	22		208			70201	3085
	13083	4180		631		1949		538	28377804	202011
	790			104		6			1359183	41441
	17586			145		211			7361432	202922
	26301	646		1421		1568		8	2876972	278707
	17054	1038		391	1	12590	3466	1	767642	171635
4208852	37017	32290		620	6	6102		233	1449857	713323
346	17629	323		449		1122		98	210060	146357
	28043	1609		2213	1	4201	5	464	482093	336084
	4307	365		3533	181	4483		177	391980	222081
	1709	260		2920	4	1312		133	116576	128463
89	7211	642		1115	0.2	8652		232	532749	229759
	573	70		1006	12	1903		79	811	51299
	6356	138		2028		1904		21	1411398	394991
	8524	2301		734		380			5892293	992784
	93			727	0.3	197	26	3		15999
	119			11		31			33082	6414
	66			14		506			93147	2724
				20		16				1051
	210899			83		2533	10		7085169	321999
	76			176		20				1076
	64			129		5			170591	50673

15—4 规模以上工业企业工业取水量

(2023年)

	行 业	工业取水总量 (万立方米)
	Sector	Total (10000 cu.m)
总 计	Total	135589.94
农副食品加工业	Processing of Food from Agricultural Products	45.39
食品制造业	Manufacture of Foods	266.38
酒、饮料和精制茶制造业	Manufacture of Wine, Beverage and Refined Tea Manufacturing	364.05
纺织业	Textile Industry	4765.88
纺织服装、服饰业	Manufacture of Textile Wearing Apparel, Clothing	383.12
皮革、毛皮、羽毛及其制品和制鞋业	Manufacture of Leather, Fur, Feather, Related and Footwear Products	4.03
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	18.04
家具制造业	Manufacture of Furniture	94.43
造纸和纸制品业	Manufacture of Paper and Paper Products	821.59
印刷和记录媒介的复制业	Printing, Reproduction of Recording Media	141.05
文教、工美、体育和娱乐用品制造业	Manufacture of Culture, Art, Sports and Entertainment Products	98.51
石油、煤炭及其他燃料加工业	Petroleum, Coal and Other Fuel Processing Industry	27.69
化学原料和化学制品制造业	Manufacture of Raw Chemical Materials and Chemical Products	3063.00
医药制造业	Pharmaceutical Manufacturing Industry	508.97
化学纤维制造业	Manufacture of Chemical Fibers	512.45
橡胶和塑料制品业	Manufacture of Rubber,Plastics	960.98
非金属矿物制品业	Manufacture of Non-metallic Mineral Products	685.55
黑色金属冶炼和压延加工业	Smelting and Pressing of Ferrous Metals	2865.47
有色金属冶炼和压延加工业	Smelting and Pressing of Non-ferrous Metals	544.61
金属制品业	Manufacture of Metal Products	1067.65
通用设备制造业	Manufacture of General Equipment	981.18
专用设备制造业	Manufacture of Special Equipment	668.07
汽车制造业	Manufacture of Automotive	839.45
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	425.51
电气机械和器材制造业	Manufacture of Electrical Machinery and Equipment	1850.84
计算机、通信和其他电子设备制造业	Manufacture of Communication Equipment, Computers and Other Electronic Equipment	10617.12
仪器仪表制造业	Manufacture of Measuring Instruments	94.58
其他制造业	Other Manufacturing	30.37
废弃资源综合利用业	Comprehensive Utilization of Waste Resources	13.66
金属制品、机械和设备修理业	Manufacture of Metal products, machinery and equipment repair	2.17
电力、热力生产和供应业	Production and Supply of Electricity and Heat	6272.08
燃气生产和供应业	Production and Supply of Gas	11.26
水的生产和供应业	Production and Supply of Water	96544.82

Water Consumption in Industrial Enterprises above Designed Size by Sector

其中 of Which			
1. 自来水 (万立方米)	2. 陆地地表水 (万立方米)	3. 地下水 (万立方米)	重复用水量 (万立方米)
Tap Water (10000 cu.m)	Surface Water (10000 cu.m)	Ground Water (10000 cu.m)	Reused Water (10000 cu.m)
22711.69	109676.89	77.52	340416.58
45.34		0.04	0.09
266.38			1667.13
198.49	161.22		13.74
2186.39	2369.48	23.17	7107.22
306.21	60.06	16.32	5.08
4.03			
17.09	0.95		
94.43			2.00
61.92	757.81		10821.22
140.33	0.46	0.17	7.50
85.83	11.73	0.95	20.89
24.32	3.37		16.47
850.96	1960.40	5.06	153551.57
464.44	11.00	12.00	994.00
388.45	101.47	0.23	398.73
735.37	154.61	0.66	260.76
406.05	260.14	5.11	403.33
613.32	2243.56	0.23	69450.75
518.41	23.67	2.51	31.00
1054.62	10.25	1.25	697.69
970.60	3.69	4.07	4497.90
662.16	4.49	1.40	720.10
837.60	1.83		1459.67
210.72	213.64	1.10	20.53
1650.74	7.96	2.49	351.39
8405.11	39.75	0.76	16749.06
93.92	0.65	...	10.11
27.84	2.54		
8.68	0.71		0.75
2.17			0.94
976.61	5118.51		71156.94
11.26		0.01	
391.90	96152.92		

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		(2023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	1635299	1617578		94093	
焦炭	Coke	612939	615293		13867	
高炉煤气	(万立方米) Blast-furnace Gas	(10000 cu.m)	131547			
转炉煤气	(万立方米) Converter Gas	(10000 cu.m)	14614			
天然气	(万立方米) Natural Gas	(10000 cu.m)	150535			
液化天然气	Liquefied Natural Gas	(10000 cu.m)	8984	9072	512 ...	
汽油	Gasoline	12390	12374		53	
煤油	Kerosene	194	197		5	
柴油	Diesel Oil	26723	26650		487	
燃料油	Fuel Oil	26	26			
液化石油气	Liquefied Petroleum Gas	954	954		...	
氢气	(万立方米) Hydrogen	(10000 cu.m)	298	295		
润滑油	Lubricating Oil	4914	4952	2643	44	
溶剂油	Solvent Naphtha	31	33		...	
其他石油制品	Other Petroleum Products	62	65		3	
热力	(百万千焦) Thermo power	(million Kilo-joule)	15988075	19512421		
电力	(万千瓦时) Electricity	(10000 kWh)	2224101	2293852		
城市生活垃圾 (用于燃料) City Garbage (for Fuel)		1857134	1708997		33348	
生物燃料	(吨标准煤) Waste Biomass for Fuel	(tce)	5872	5889	11	
余热余压	(百万千焦) Residual neat and Pressure	(million Kilo-joule)		300588		
能源合计	(吨标准煤) Total Consumption Energy	(tce)		7715947	4638	

15-6 全社会用电情况

Consumption of Electricity

单位：万千瓦时

(2023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	8640720	4457009	2854447	1329264
农林牧渔业	Agriculture, Forestry, Animal Husbandry and Fishery	33928	7694	9565	16669
工业	Industry	6150278	2832402	2351745	966131
其中：	In Which				
采矿业	Mining and Quarrying	855	221	64	570
农副食品加工业	Agricultural and Sideline Food Processing Industry	21584	8611	6814	6159
食品制造业	Food Manufacturing Industry	23830	16800	5568	1462
酒、饮料及精制茶制造业	Manufacturing of Wine, Beverage and Refined Tea	7257	5192	114	1951
纺织业	Textile Industry	573380	96030	421628	55722
造纸及纸制品业	Papermaking and Paper Products	54587	43439	9603	1545
石油、煤炭及其他燃料加工业	Petroleum, Coal and Other Fuel Processing Industry	3221	1039	1600	582
化学原料及化学制品制造业	Manufacture of Raw Chemical Materials and Chemical Products	199284	74442	45770	79072
医药制造业	Pharmaceutical Manufacturing Industry	48911	32019	8793	8099
化学纤维制造业	Manufacture of Chemical Fibers	142796	13483	96252	33061
橡胶及塑料制品业	Rubber and Plastic Products	390774	138678	203245	48851
非金属矿物制品业	Manufacture of Non-metallic Mineral Products	230873	50677	32407	147789
黑色金属冶炼及压延加工业	Smelting and Pressing of Ferrous Metals	523277	63870	453819	5588
有色金属冶炼及压延加工业	Smelting and Pressing of Nonferrous Metals	93942	35310	46525	12107
金属制品业	Metal Products	668914	303595	285540	79779
通用设备制造业	General Equipment Manufacturing Industry	509394	342975	129924	36495
电气机械和器材制造业	Electrical Machinery and Equipment Manufacturing Industry	361043	184894	47802	128347
计算机、通信和其他电子设备制造业	Manufacturing of Computers, Communications and Other Electronic Equipment	1056844	830704	158482	67658
其他制造业	Others	39002	16543	2889	19570
建筑业	Construction	39614	19403	11819	8392
交通运输、仓储和邮政业	Transportation, Storage and Post	150311	106563	27427	16321
批发和零售业	Wholesale and Retail Industries	269451	163864	61391	44196
住宿和餐饮业	Accommodation and Catering Industries	91019	48021	18936	24062
其他行业	Others	935240	704777	145249	85214
城乡居民生活用电	Electricity Consumption by Urban and Rural Residents	970879	574285	228315	168279
#城镇居民生活用电	Electricity Consumption by Urban Residents	399737	288328	50813	60596

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

单位：万千瓦时		(2023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	8640720	6150278	399737	571142
第一季度	First Quarter	1891803	1319295	99459	143022
1月	January	527381	322703	38191	59351
2月	February	657538	459384	35928	48104
3月	March	706884	537208	25340	35567
第二季度	Second Quarter	2050515	1534397	72192	100230
4月	April	652450	502847	20334	29706
5月	May	678220	513916	22778	29535
6月	June	719845	517634	29080	40989
第三季度	Third Quarter	2498885	1678530	140173	203547
7月	July	872526	567689	55653	80002
8月	August	877295	574034	54240	80888
9月	September	749064	536807	30280	42657
第四季度	Fourth Quarter	2199517	1618056	87913	124343
10月	October	680475	518864	20038	29824
11月	November	686146	515391	23623	33973
12月	December	832896	583801	44252	60546