

第

6

篇

CHAPTER

无锡统计年鉴
2023

城市建设 环境保护

URBAN CONSTRUCTION AND

ENVIRONMENTAL PROTECTION

2023 WUXI STATISTICAL YEARBOOK



第六篇 城市建设 环境保护

CHAPTER VI URBAN CONSTRUCTION AND ENVIRONMENTAL PROTECTION

● 建成区面积	360平方公里	(sq.km)
Constructed Land Area		
● 城市常住人口密度	2688人/平方公里	(person/sq.km)
Urban Population Density		
● 城市实有道路面积	7708万平方米	(10 ⁴ sq.m)
Urban Area of Roads		
● 城市人均公园绿地面积	15.2平方米	(sq.m)
Urban Per Capita Green Area of Parks		
● 城市出租车营运数量	4040辆	(vehicle)
Urban Taxies Number in Operation		
● 城市气化率	100.0%	(percent)
Urban Gasification Rate		

注：城市建设数据为无锡市区统计口径。

Note: Urban construction data is the statistical caliber of Wuxi' urban district.

6-1 历年城市道路、路灯
Yearly Urban Road and Street Lamp

年 份 Year	建成区面积 (平方公里) Urban Constructed Area (sq·km)	城市道路长度 (3.5米以上)(公里) Length of Urban Roads (above 3.5m) (km)	城市道路面积 (万平方米) Floor Space of Urban Roads (10000 sq·m)	城市路灯 (盏) Urban Street Lamps (lamp)	排水管道长度 (公里) Length of Urban Drain (km)
1978	35	100	88	6005	238
1980	36	123	104	7002	252
1981	37	147	108	7627	255
1982	37	163	130	8318	260
1983	38	196	150	9239	266
1984	39	199	154	10834	272
1985	42	284	263	9643	252
1986	48	295	278	10098	282
1987	48	314	314	12445	354
1988	50	328	341	14000	478
1989	51	350	363	14673	505
1990	65	356	370	15845	650
1991	65	367	394	15988	614
1992	70	400	530	17956	639
1993	73	582	563	18356	718
1994	74	568	591	19393	741
1995	78	675	642	20073	1126
1996	83	746	711	23401	1288
1997	90	782	742	26028	1176
1998	94	809	771	26991	1113
1999	98	880	877	31076	1243
2000	102	1192	1090	34345	1258
2001	164	4189	3561	72847	2913
2002	176	4261	3995	105623	3153
2003	180	4424	4355	111920	3356
2004	188	4108	4583	131091	4633
2005	193	4324	4717	109637	5176
2006	198	4382	4906	110470	5354
2007	203	4407	5086	223000	5581
2008	208	4441	5219	247984	5973
2009	217	4491	5379	252623	8321
2010	231	4609	5580	261676	8880
2011	289	3265	5831	274040	11111
2012	316	3306	5936	285257	12250
2013	325	3358	6081	301507	12536
2014	328	3422	6213	301595	12687
2015	329	3687	6586	324526	12963
2016	332	3715	6679	326395	13105
2017	338	3846	7017	260292	13254
2018	343	3891	7145	282014	13419
2019	347	3930	7262	283789	13536
2020	350	3986	7424	286208	13639
2021	356	4049	7617	288247	13396
2022	360	4091	7708	291250	13554

注：从2017年起，路灯数按城建年报指标调整了景观灯数量。

Note: Since 2017, the number of street lamps was adjusted according to the annual indicators of urban construction.

6-2 历年城市园林绿化

Yearly Urban Parks, Gardens and Green Areas

年 份 Year	园林绿地面积	其中 of Which	建成区绿化	人均公园
	(公顷)		覆盖率 (%)	绿地面积 (平方米)
	Area of Parks, Gardens and Green Areas (hectare)	#公园绿地 Green Area of Parks	Green Coverage Rate in Constructed Area (percent)	per Capita Green Area of Parks (sq.m)
1978	247		11.4	4.2
1980	343		11.0	1.4
1981	418	136	12.4	2.2
1982	435	154	12.5	2.1
1983	435	175	12.4	1.1
1984	516	122	14.2	1.8
1985	497	140	17.0	2.0
1986	512	153	18.0	2.1
1987	557	196	20.0	2.6
1988	558	234	21.0	3.0
1989	948	283	21.0	3.5
1990	1284	331	22.0	4.0
1991	1361	429	23.0	5.0
1992	1970	423	28.9	6.3
1993	2160	543	30.6	6.4
1994	2279	565	31.6	6.5
1995	2389	588	32.7	6.6
1996	2861	620	33.1	6.8
1997	2992	658	34.0	7.1
1998	3067	691	33.9	7.4
1999	3361	737	34.8	7.6
2000	3566	792	35.70	7.98
2001	10052	974	29.69	4.57
2002	10722	1121	31.38	5.19
2003	11842	1283	36.10	5.84
2004	13445	1833	37.48	8.20
2005	14001	2308	40.00	10.10
2006	15023	2555	41.20	11.00
2007	15751	2814	42.20	11.93
2008	15747	2990	43.00	12.56
2009	16557	3229	43.18	13.56
2010	17227	3418	42.62	14.41
2011	17583	3485	42.58	14.51
2012	17958	3554	42.68	14.61
2013	18333	3616	42.78	14.71
2014	18543	3648	42.88	14.81
2015	18723	3672	42.98	14.91
2016	18905	3744	42.98	14.91
2017	19110	3799	42.98	14.91
2018	19316	3859	42.98	14.91
2019	19538	3934	43.24	14.93
2020	19889	4089	43.43	14.95
2021	20239	4262	43.50	15.02
2022	20589	4458	43.96	15.20

6-3 历年城市公共交通

Yearly Urban Public Traffic

年 份 Year	年底营运车辆数 (辆) Vehicles in Operation by the end of the year (vehicle)	年底营运线路 (条) Route in Operation by the end of the year (line)	运营线路长度 (公里) Length of the Operating Route (km)	运客总数 (万人次) Total Travellers Carried (10000 persons-times)	年底出租汽车 (辆) Number of Taxies by the end of the year (vehicle)
1978	149	15		8277	59
1980	178	15		12406	106
1981	205	15		13146	128
1982	235	18		14366	134
1983	244	18		14529	137
1984	251	21		15679	118
1985	270	24		15651	116
1986	296	25		14620	127
1987	301	29		14423	552
1988	322	30		13326	848
1989	364	33		12202	701
1990	371	29		11910	654
1991	384	29		12176	572
1992	522	31		12599	629
1993	672	34		11844	978
1994	656	40		11745	1340
1995	677	39		12689	1868
1996	800	35		12406	2306
1997	839	36		13253	2292
1998	758	42		13692	2493
1999	786	50		16109	2493
2000	995	65	799	19519	2496
2001	1768	83	1179	22237	3850
2002	1980	89	1260	27645	3840
2003	1944	105	1463	25069	3730
2004	2075	113	1569	28335	3840
2005	2954	114	1665	29878	3840
2006	2826	120	1758	30907	3840
2007	2855	128	2071	27784	3840
2008	3109	172	3221	30052	4040
2009	2984	201	3839	33881	4040
2010	3125	220	4354	39842	4040
2011	3081	229	4701	43012	4040
2012	3144	232	5023	43483	4040
2013	3261	251	5124	42849	4040
2014	3017	263	5203	43506	4040
2015	3042	280	5481	40370	4040
2016	3026	283	5609	40010	4040
2017	3015	290	5773	39845	4040
2018	3179	293	5819	39860	4040
2019	2995	294	5865	35405	4040
2020	3036	297	5760	19118	4040
2021	2953	310	5837	22592	4040
2022	3007	316	5875	13218	4040

6-4 历年城市自来水

Yearly Urban Running Water Supply

年 份 Year	年底水厂数(个) Number of Water Factories by the end of the year (unit)	自来水生产能力 (万吨/日) Production Capacity of Running Water (10000 tons Per day)	供水管道长度 (公里) Length of the Water Supply Pipelines (km)	自来水供水 总量 (万吨) Total Volume of Water Supply (10000 tons)	其中 of Which		平均每人生活 用水量(升/日) Consumption of Water for Livelihood per Capita (litre per day)
					#生产用量 For Production	#生活用量 For Livelihood	
1978	3	13.0	395	4282	2610	1257	79
1980	3	22.0	523	6223	4116	1773	105
1981	4	24.0	591	7556	4757	2355	119
1982	4	25.0	601	8765	5561	2558	123
1983	4	25.0	694	9423	6277	2437	113
1984	5	25.3	791	9938	6433	2866	122
1985	5	31.1	902	11405	7159	3577	135
1986	5	35.5	966	12955	8292	3779	124
1987	5	36.8	1055	14565	9385	3908	126
1988	5	37.6	1112	15485	10310	4537	139
1989	5	42.2	1189	17149	11228	4624	141
1990	5	42.5	1297	18630	10745	6481	175
1991	5	57.4	1311	18247	10028	5721	150
1992	6	76.0	1334	19848	11298	6518	171
1993	6	77.5	1440	22708	13140	7401	212
1994	6	92.5	1518	24578	14539	7770	222
1995	6	92.5	1559	25667	14144	9048	231
1996	6	109.6	1624	26041	13447	10401	262
1997	7	111.7	1692	24012	13188	8983	225
1998	7	109.6	1745	23521	12246	8816	219
1999	7	109.6	1801	24368	8883	11587	284
2000	6	109.6	1851	24872	8519	10970	266
2001	6	141.6	5550	23902	11841	10649	149
2002	6	138.1	4688	24683	10993	9373	153
2003	6	140.8	4691	24825	10154	12309	164
2004	6	133.8	5010	26670	9811	14012	181
2005	6	145.6	5050	23990	8872	15022	184
2006	6	151.3	5112	29509	12809	15967	190
2007	6	128.1	5312	33380	12273	15643	183
2008	6	206.0	5557	36043	12000	18063	209
2009	6	206.0	5968	34937	11015	18108	208
2010	6	206.0	6293	35889	10197	19762	228
2011	6	195.0	3739	34237	10045	18462	211
2012	6	195.0	4637	34407	10473	18149	204
2013	6	245.0	5031	34871	10219	18792	209
2014	6	245.0	5167	34226	10015	18436	205
2015	6	245.0	5705	36168	10553	19427	216
2016	6	245.0	5789	36838	10745	19781	216
2017	6	245.0	5870	38866	11314	20827	224
2018	6	195.0	5942	41194	11987	22067	234
2019	6	218.8	6029	47515	21126	18802	195
2020	6	245.0	9035	44574	17253	19586	196
2021	6	245.0	9679	48284	19592	20736	200
2022	6	245.0	10332	48409	19299	21520	201

6—5 历年城市液化气

Yearly Urban Liquefied Petroleum Gas

年 份 Year	液化气供气总量 (吨) Total Supply of Liquefied Gas (ton)	其中 of Which	用气户数 (户) Gas-Consuming Households (household)	家庭用天然气液化气 普及率 (%) Popularization Percent of Gas and Liquefied Gas (percent)
		#家庭用量 For Households		
1978	50	50	920	0.6
1980	409	362	2517	1.7
1985	1069	1028	5483	8.1
1990	8303	6993	50000	29.2
1991	12293	12043	56694	47.6
1992	16734	16622	109032	59.8
1993	24299	23802	134665	70.7
1994	50439	47739	176813	78.8
1995	33895	33838	165172	80.9
1996	29201	25605	169133	82.0
1997	27371	26564	208031	87.3
1998	29281	28252	245268	89.2
1999	32445	29870	254629	91.6
2000	33336	29961	260321	93.5
2001	64067	62903	479267	88.1
2002	65050	63010	497293	90.3
2003	71836	64572	510304	91.8
2004	91778	80740	501016	92.6
2005	16442	14465	464512	95.0
2006	19330	12291	245000	96.1
2007	20628	13352	396000	98.0
2008	74849	45991	369000	98.5
2009	67305	31893	313780	99.5
2010	55005	37562	257200	99.6
2011	73487	40303	194846	99.7
2012	65988	40344	209207	99.8
2013	44122	27030	202464	100.0
2014	46314	21946	123568	100.0
2015	39995	20753	123224	100.0
2016	39446	18901	123483	100.0
2017	34501	17059	112870	100.0
2018	33881	15925	108249	100.0
2019	34531	14919	97800	100.0
2020	34941	14572	95526	100.0
2021	27164	14201	81784	100.0
2022	25847	13566	77530	100.0

6—6 城市建设用地情况 (2019—2022年)
Land for Urban Construction (2019—2022)

单位：平方公里		(sq·km)			
指 标 Items		2019	2020	2021	2022
土地面积	Land Area	1643.9	1643.9	1643.9	1643.9
建成区面积	Area of the Constructed Regions	347.0	349.6	356.3	359.7
城市建设用地面积	Floor space of Urban Constructed Area	299.8	302.3	312.3	317.4
居住用地	Residential Area	91.8	92.4	94.9	96.7
公共管理与公共服务用地	Public utility Area	20.4	20.6	23.7	24.5
工业用地	Industrial Area	71.4	71.6	71.1	70.8
物流仓储用地	Storage and Warehouse	6.3	6.3	6.3	6.3
交通设施用地	Space for Transportation	45.3	46.2	53.6	55.5
公用设施用地	Space for Road and Square	3.8	3.8	4.3	4.4
商业服务业设施用地	Space for Public Facility	27.4	27.8	24.5	24.9

6—7 城市市政设施情况 (2019—2022年)
Urban Municipal Engineering Installation (2019-2022)

指 标 Items		2019	2020	2021	2022
实有道路长度	(公里) Length of Roads (km)	3930	3986	4049	4091
道路面积	(万平方米) Area of Roads (10000 sq·m)	7262	7424	7617	7708
桥梁数	(座) Number of Bridges (unit)	3067	3117	1484	1505
排水管道长度	(公里) Length of Drains (km)	13536	13639	13396	13554
污水日处理能力	(万吨) Daily Disposal Capacity of Sewage (10000 tons)	145	163	165	167
路灯盏数	(盏) Street Lamps (lamp)	283789	286208	288247	291250

注： 2021年起桥梁按照省住房和城乡建设厅业务系统调整了统计口径，数据与往年不可比。
Note: From 2021, the statistical caliber of bridges was adjusted according to the business system of the Provincial Department of housing and urban rural development, and the data was not comparable with previous years.

6—8 城市园林绿化情况 (2019-2022年)

Statistics of Urban Parks, Gardens and Green Areas (2019-2022)

指 标 Items		2019	2020	2021	2022
园林绿地面积	(公顷) Parks, Gardens and Green Areas (hectare)	19538	19889	20239	20589
#公园绿地	Green Area of Parks	3934	4089	4262	4458
建成区绿化覆盖面积	(公顷) Green Space in Constructed Areas (hectare)	15007	15182	15497	15815
建成区绿化覆盖率	(%) Rate of the Green Space in Constructed Areas (percent)	43.2	43.4	43.5	44.0
人均公园绿地面积	(平方米) per Capita Green Area of Parks (sq·m)	14.93	14.95	15.02	15.20

6—9 城市公共交通、出租汽车情况 (2019—2022年)

Statistics of Urban Public Transportation and Taxies (2019—2022)

指 标 Items		2019	2020	2021	2022
公共汽车 Public Buses					
年底营运车辆数	(辆) Number in Operation by the end of the year (vehicle)	2995	3036	2953	3007
年底营运线路	(条) Routes in Operation by the end of the year (line)	294	297	310	316
线路长度	(公里) Length of Operating Route Net (km)	5865	5760	5837	5875
运客总量	(万人次) Total Volume of Travellers (10000 times-persons)	35405	19118	22592	13218
平均每日运客量	(万人次) Daily Average Volume of Travellers (10000 times-persons)	97.00	52.38	61.90	36.20
每万人拥有营运车辆	(标台) Average Operating Vehicles per 10000 Persons (standard units)	17.46	18.40	17.55	18.50
出租汽车 Taxies					
营运车辆	(辆) Operating Vehicles (vehicle)	4040	4040	4040	4040
轨道交通 Rail Transport					
运营车数	(辆) Operating Motor Vehicles (unit)	306	450	582	624
#地铁	Subway	306	450	582	624
标准运营车数	(标台) Standard Operating Motor Vehicles (standard unit)	750	1185	1560	1560
运营线路长度	(公里) Length of Operating Routes (km)	59	87	111	111
#地铁	Subway	59	87	111	111
客运总量	(万人次) Total Volume of Passenger Traffic (10000 times-persons)	10966	8722	14615	11955

6—10 城市自来水情况 (2019—2022年)

Statistics of Urban Running Water Supply (2019—2022)

指 标 Items			2019	2020	2021	2022
水厂个数	(个)	Number of Water Factories (unit)	6	6	6	6
水厂综合生产能力	(万吨/日)	Production Capacity of Water Factories (10000 tons per day)	219	245	245	245
供水管道长度	(公里)	Length of Water Supply Pipelines (km)	6029	9035	9679	10332
供水总量	(万吨)	Total Water Supply (10000 tons)	47515	44574	48284	48409
#生产用水量		Water for Production	21126	17253	19592	19299
生活用水量		Water for Livelihood	18802	19586	20736	21520
用水人口	(万人)	Water-Consumption Population (10000 persons)	263.5	273.5	283.8	293.4
人均日生活用水量	(升)	Per Capita Daily Consumption of Water for Livelihood (litre)	195	196	200	201
自来水普及率	(%)	Rate of Tap Water Popularization (Percent)	100.0	100.0	100.0	100.0

6—11 城市天然气、液化石油气情况 (2019—2022年)

Statistics of Urban Natural Gas and Liquefied Petroleum Gas Supply (2019—2022)

指 标 Items			2019	2020	2021	2022
天然气			Natural Gas			
天然气管道长度	(公里)	Length of Natural Gas (km)	3041	8075	8450	8737
供气总量	(万立方米)	Total Gas Supply (10000 m ³)	112454	112107	125961	125429
#家庭用量		For Households	24518	26591	27638	31060
用气户数	(户)	Number of Units and Households Using Gas (household)	1358140	1378140	1416015	1467039
#家庭用户		Households	1352186	1373186	1406952	1455614
用气人口	(万人)	Gas-Consuming Population (10000 persons)	250.01	260.08	270.73	280.94
液化石油气			Liquefied Petroleum Gas			
供气总量	(吨)	Total Gas Supply (ton)	34531	34941	27164	25847
#家庭用气		For Households	14919	14572	14201	13566
家庭用气户数	(户)	Number of Households (household)	97800	95526	81784	77530
用气人口	(万人)	Gas-Consuming Population (10000 persons)	13.50	13.40	13.09	12.41
燃气普及率	(%)	Gas Consumption Popularization Rate (percent)	100.0	100.0	100.0	100.0

6—12 工业“三废”排放处理及综合利用情况

(2022年)			
指 标 Items			
工业废水排放总量	(万吨)	Total Discharging of the Industrial Waste Water	(10000 tons)
COD产生量		Production Volume of COD	
COD排放量		Discharging Volume of COD	
氨氮产生量	(吨)	Volume of Ammonia and Nitrogen	(ton)
氨氮排放量		Discharging Amount of Ammonia and Nitrogen	
工业废气排放总量	(亿标立米)	Total Discharging of Industrial Waste Gas	(10 ⁸ standardized m ³)
二氧化硫产生量	(万吨)	Production Volume of Sulfur Dioxide	(10000 tons)
二氧化硫排放量		Discharging Volume of Sulfur Dioxide	
氮氧化物产生量		Production Volume of Nitrogen Oxides	
氮氧化物排放量		Discharging Volume of Nitrogen Oxides	
工业颗粒物产生量	(万吨)	Volume of Soot (Dust) Emission	(10000 tons)
工业颗粒物排放量		Discharging Volume of Soot (Dust) Emission	
一般工业固体废物产生量	(万吨)	Production Volume of General Solid Industrial Waste	(10000 tons)
一般工业固体废物综合利用量		Utilization Volume of General Solid Industrial Waste	
一般工业固体废物处置量		Processing of General Solid Industrial Waste	
工业废水重金属产生量	(千克)	Production Volume of Heavy Metals in Industrial Waste Water	(kg)
工业废水重金属排放量		Emission Volume of Heavy Metals in Industrial Waste Water	
工业废气重金属产生量	(千克)	Production Volume of Heavy Metals in Industrial Waste Gas	(kg)
工业废气重金属排放量		Emission Volume of Heavy Metals in Industrial Waste Gas	

注：环境保护相关数据来源于2022年度环境统计重点调查，为截至2023年4月26日的初步核定数。

Comprehensive Utilization and Disposal of Three Industrial Wastes

全 市 Total	其中 of Which		
	市 区 Urban Districts	江阴市 Jiangyin City	宜兴市 Yixing City
17140.04	8222.47	6873.08	2044.49
10.43	4.42	2.12	3.89
0.48	0.24	0.18	0.06
2296.48	962.69	1027.06	306.74
145.18	96.77	43.20	5.21
10938.78	5060.69	4569.90	1308.20
20.38	2.12	13.79	4.48
0.56	0.09	0.37	0.09
7.87	0.98	5.52	1.38
1.42	0.34	0.81	0.26
474.44	43.30	320.35	110.79
0.74	0.14	0.35	0.25
1107.48	254.04	724.30	129.13
1065.16	235.15	706.88	123.14
36.50	15.73	16.09	4.68
44851.04	39766.37	4851.70	232.98
20.15	8.67	5.92	5.56
26300.95	5683.15	5140.03	15477.76
1353.81	323.69	501.62	528.51

Note: The data related to environmental protection came from the key survey of environmental statistics in 2022, which is the preliminary approved data as of April 26, 2023.

6—13 环境综合整治情况（2021—2022年）

Basic Statistics on Comprehensive Environment Improvement (2021-2022)

指 标 Items		2021	2022
一、环境质量	Environment Quality		
可吸入颗粒物（PM ₁₀ ）日平均值 (微克/立方米)	The Average Daily Indicators of Particulate Matter Inhaled (ug/m ³)	54	49
二氧化硫日平均值 (微克/立方米)	The Average Daily Indicators of Sulfur Dioxide (ug/m ³)	7	8
二氧化氮日平均值 (微克/立方米)	The Average Daily Indicators of NO ₂ (ug/m ³)	34	26
空气质量达到及好于二级标准的天数比例 (%)	Ratio of Days with above II Grade Air Quality (Percent)	82.2	78.9
区域环境噪声平均值昼 (分贝)	Average Daily Noise Value (decibel)	57.0	56.2
交通干线噪声平均值 (分贝)	Average Indicator of Noise at Main Traffic Lines (decibel)	68.4	68.1
二、污染控制	Pollution Control		
饮用水源水质达标率 (%)	Up-to-Standard Rate of Urban Drinking Water Quality (Percent)	100.0	100.0
工业固体废物综合利用率 (%)	Rate of Comprehensive Utilization of Solid Industrial Waste (Percent)	95.6	95.9
危险废物处置利用率 (%)	Rate of Disposal Utilization of Hazardous Waste (Percent)	100.0	100.0

6—14 城市环境卫生情况（2021—2022年）

Basic Statistics on Urban Environment Sanitation (2021—2022)

指 标 Items		2021	2022
清扫面积 (万平方米)	Area under Cleaning Program (10000 sq.m)	6044	6419
生活垃圾清运量 (万吨)	Volume of Domestic Waste Disposal (10000 tons)	188	179
生活垃圾焚烧厂日处理能力 (吨)	Daily Handling Capacity of Domestic Waste Incineration Plant (ton)	6950	6950
环卫机械 (辆)	Sanitation Vehicle (unit)	1704	1989
环卫公厕 (座)	Sanitation Public Toilet (unit)	902	944
生活垃圾无害化处理率 (%)	Harmless Treatment Rate of Domestic Waste (Percent)	100.0	100.0