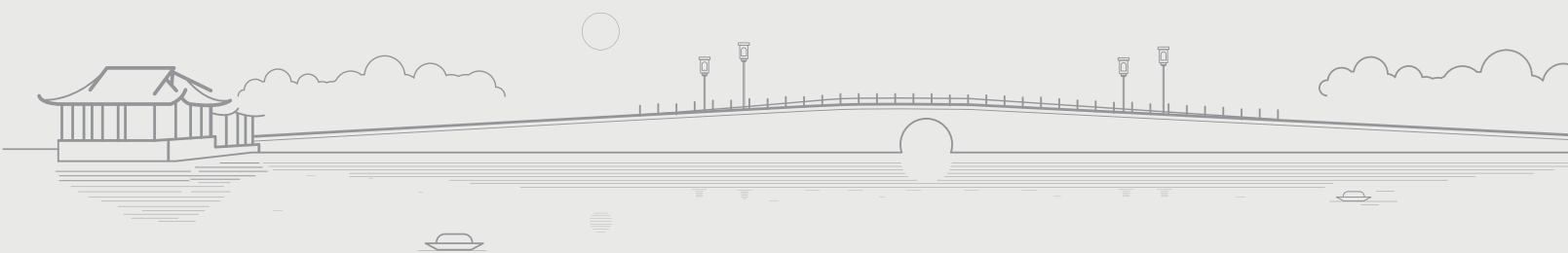


十一、城市建设 环境保护

URBAN CONSTRUCTION AND
ENVIRONMENTAL PROTECTION



主要统计指标
Major Statistical Indicators

市区建成区面积	Developed Area in Urban District	801.63	平方千米	(sq.km)
市区实有道路面积	Area of Roads in Urban District at Year-end	12467	万平方米	(10,000 sq.m)
市区用电量	Electricity Consumption of Urban District	823.03	亿千瓦时	(100 million kW/h)
# 工业用电	Industrial Electricity Consumption	386.93	亿千瓦时	(100 million kW/h)
生活用电	Electricity Consumption for Residential Use	145.09	亿千瓦时	(100 million kW/h)
市区供水能力	Water-supply Capacity of Urban District	509	万吨/日	(10,000 tons/day)
市区供水总量	Annual Volume of Tap Water Supplied in Urban District	125396	万吨	(10,000 tons)
市区气化率	Percentage of Population with Access to Gas in Urban District	100	%	(%)
市区公园绿地面积	Park Green Area in Urban District	11124	公顷	(hectare)
市区空气质量达标(AQI < 100)天数	The Number of Days of Air Quality Reaching(AQI < 100) the Standards	321	天	(day)

11 - 01 市区公共交通情况(2014 - 2021 年)
Public Transportation in Urban Districts(2014 - 2021)

指 标	Item	2014	2015	2016	2017	2018	2019	2020	2021
一、轨道交通	Rail Transit								
年末运营线路总长度 (千米)	Length of Operating Routes (year - end) (km)	66.30	81.50	81.50	117.60	117.60	135.40	306.30	342.00
客运总量 (万人次)	Passenger Traffic (10,000 person - times)	14521	22348	26877	33986	52985	63202	58241	89837
二、公共汽车	Bus								
年末运营线路条数(条)	Number of Operating Routes (year - end) (unit)	703	756	758	937	1152	1140	1307	1361
年末运营线路总长度 (千米)	Length of Operating Routes (year - end) (km)	12032	12791	13866	16819	21460	18547	25947	25799
#BRT 线路长度 (千米)	BRT line length (km)	113	128	151	151	132	289	132	152
年末运营公共汽车(辆)	Number of Public Transportation Vehicles(year - end) (unit)	8656	8555	8770	9672	11272	10708	10866	10850
#无轨电车 (辆)	Number of Operating Trolleys (unit)	115	150	150	150	150	85	85	52
客运总量 (万人次)	Passenger Traffic (10,000 person - times)	140928	142312	141441	151263	158753	155496	70392	71214
三、出租汽车	Taxi								
年末实有出租汽车数(辆)	Number of Taxis(year - end) (unit)	11913	11963	12209	13233	14125	14133	14093	14313

11 - 02 市区城市供电、供水情况(1949 - 2021 年)
Electricity and Water Supply in Urban Districts(1949 - 2021)

年 份 Year	供电总量 Power Supply			供水总量 Water Supply		
	合计(亿千瓦时) Total (100 million kWh)	#工业用电 Industrial	#生活用电 Residents' living	合计(万吨) Total (10000 tons)	#生产用水 Production	#生活用水 Residents' living
1949	0.24	0.15	0.08	191	25	166
1950	-	-	-	-	-	-
1951	-	-	-	-	-	-
1952	0.43	0.35	0.06	229	65	164
1953	0.53	0.43	0.07	353	109	244
1954	0.67	0.57	0.08	452	148	304
1955	0.66	0.55	0.08	540	162	378
1956	0.82	0.68	0.10	714	249	464
1957	0.90	0.72	0.12	845	310	535
1958	1.47	1.27	0.13	1264	622	642
1959	2.18	1.91	0.16	2097	1259	838
1960	2.94	2.61	0.17	2909	1834	1075
1961	2.73	2.37	0.18	2647	1600	1047
1962	2.50	2.06	0.21	2556	1465	1091
1963	2.56	2.09	0.23	2561	1440	1121
1964	3.00	2.50	0.25	2924	1679	1244
1965	3.49	2.97	0.26	3164	1937	1227
1966	4.02	3.46	0.27	3669	2392	1277
1967	3.74	3.11	0.51	3892	2388	1504
1968	-	-	-	3891	2369	1522
1969	4.15	3.48	0.58	4766	3100	1666
1970	4.68	4.00	0.59	4972	3360	1578
1971	5.34	4.49	0.70	5978	4072	1868
1972	5.80	4.95	0.72	6548	4440	2018
1973	5.94	5.05	0.77	6755	4562	2193
1974	5.15	4.20	0.81	6725	4482	2243
1975	4.93	3.94	0.85	7007	4707	2300
1976	5.40	4.33	0.92	7379	4992	2387
1977	7.57	5.72	1.02	8140	5498	2642
1978	8.01	6.52	1.26	9072	6116	2956
1979	9.04	7.23	1.54	10548	6813	3388
1980	10.25	8.73	1.17	11199	7359	3840
1981	10.87	8.98	1.45	12662	7943	4718
1982	11.62	9.41	1.70	13761	8272	5380
1983	12.60	10.13	1.88	14226	8211	6015
1984	13.70	10.72	2.24	15586	8713	6800
1985	14.94	11.18	2.34	17484	8599	8144
1986	15.85	12.96	0.78	17894	8527	9367
1987	16.97	13.56	1.04	18911	9424	9487
1988	17.95	13.96	1.30	19806	10028	9764
1989	18.51	14.20	1.51	20733	8780	11941

11-02 续表 continued

年 份 Year	供电总量 Power Supply			供水总量 Water Supply		
	合计(亿千瓦时) Total (100 million kWh)	#工业用电 Industrial	#生活用电 Residents' living	合计(万吨) Total (10000 tons)	#生产用水 Production	#生活用水 Residents' living
1990	19.95	14.89	1.86	22290	8945	13301
1991	21.16	15.69	1.99	22772	9223	13522
1992	23.34	17.04	2.31	24412	10052	14338
1993	25.70	18.21	2.69	25333	10022	15289
1994	29.49	19.68	3.57	25902	9707	16195
1995	31.41	20.89	4.07	27740	9380	18336
1996	35.41	21.67	5.26	27216	8845	18125
1997	42.39	25.82	6.32	26513	7593	18920
1998	48.46	28.58	7.67	26593	8075	17838
1999	51.19	29.55	7.90	25504	7395	18109
2000	60.19	33.52	9.86	33725	8100	19410
2001	133.12	92.99	16.79	52000	18324	25710
2002	156.61	110.31	18.76	53372	18180	31408
2003	190.12	131.87	23.67	59180	21796	30743
2004	207.75	146.56	23.89	62265	23544	29187
2005	244.78	172.56	27.98	73331	27327	35220
2006	279.94	197.61	32.53	64764	20258	33979
2007	313.47	219.92	36.86	66753	19519	33682
2008	325.75	221.28	41.15	68178	19354	35902
2009	346.93	230.20	45.31	69499	16671	37274
2010	392.64	258.35	50.74	53565	11479	30978
2011	432.57	282.95	55.49	52660	11884	22384
2012	444.95	278.93	63.62	58183	12478	22861
2013	484.05	296.08	71.52	60747	13005	23733
2014	552.71	355.06	72.56	66172	14792	26894
2015	559.54	345.23	78.27	66760	14902	26162
2016	583.96	337.04	93.03	65087	14161	25078
2017	673.73	389.00	105.29	83192	16157	33960
2018	724.31	397.72	117.67	88568	15866	35778
2019	738.88	381.96	125.83	99156	21534	40117
2020	728.74	357.19	131.46	120992	29601	49606
2021	823.03	386.93	145.09	125396	31884	52157

11 - 03 市区市政建设情况(2014 - 2021 年)
Public Utilities in Urban Districts(2014 - 2021)

指 标	Item	2014	2015	2016	2017	2018	2019	2020	2021
一、市政建设	Urban Infrastructure								
建成区面积 (平方公里)	Constructed Area (sq. m)	495.22	506.09	541.38	591.08	615.22	648.46	666.18	801.63
年末实有道路面积 (万平方米)	Area of Roads (year - end) (10,000 sq. m)	6145	6540	6932	8291	8840	9341	10073	12467
年末实有道路长度 (公里)	Length of Roads(year - end) (km)	2748	2991	3075	3550	3783	3990	4323	6573
年末实有桥梁数(座)	Number of Bridges(year - end) (unit)	1235	1337	1353	1443	1473	1545	1705	2829
排水管道长度(公里)	Length of Drainage Pipelines (km)	5012	5370	5944	8614	8924	9125	9434	11362
城市污水排放量 (万立方米)	Volume of Sewage Drained (10,000 cu. m)	53111	56974	57916	69834	74438	80447	82795	100593
城市污水处理总量 (万立方米)	the Total Volume of Urban Sewage Treatment (10,000 cu. m)	50318	54137	55061	66516	71364	77245	80406	97708
二、城市液化气	Urban Liquefied Petroleum Gas								
供气总量 (万吨)	Total Volume of Liquefied Petroleum Gas Supply (10,000 tons)	9.87	12.38	13.14	12.86	13.28	12.24	11.17	13.07
#家庭用气(万吨)	Supply for Residential Use (10,000 tons)	5.08	6.08	5.90	6.48	5.81	5.15	6.98	7.23
三、人工煤气及天然气	Coal Gas and Natural Gas								
家庭用气总量 (万立方米)	Total Volume of Coal Gas Consumed (10,000 cu. m)	18019	20659	21878	23614	26506	32907	50843	49511
家庭用气户数(万户)	Residential Households with Access to Gas (10,000 households)	111.30	130.69	139.03	153.17	172.81	187.85	200.30	270.11
四、全社会气化率 (%)	Percentage of Population with Access to Gas (%)	100	100	100	100	100	100	100	100

11 - 04 市区园林绿化情况(2014 - 2021 年)
Urban Forestation(2014 - 2021)

指 标	Item	2014	2015	2016	2017	2018	2019	2020	2021
建城区绿化覆盖面积 (公顷)	The Green Areas Covered in Constructed Areas (hectare)	20031	20464	22035	23620	24999	26312	28885	31856
建城区园林绿地面积 (公顷)	Total Area of Parks, Gardens and Green Areas in Constructed Areas (hectare)	18386	18949	20118	21726	22886	23986	26249	28979
#公园绿地 (公顷)	Public Green Area (hectare)	6304	7640	8118	8770	8976	9246	9951	11124
建城区绿化覆盖率 (%)	Rate of the Green Areas Covered in Constructed Areas (%)	40.57	40.43	40.70	39.96	40.63	40.58	43.36	39.74
公园景点个数(个)	Number of Parks and Scenic Resorts (unit)	207	217	222	245	251	260	305	355
公园景点面积 (公顷)	Area of Parks and Scenic Resorts (hectare)	2298	2488	2754	3074	3150	3208	3539	3668

11 - 05 环境保护情况(2021 年)
Statistics on Environmental Protection(2021)

指标名称	Item	全 市 Whole City	
		2020 年	2021 年
工业废水排放量 (万吨)	Industrial Wastewater Emissions (10,000 tons)	14221.55	13954.42
工业废水中 COD 排放量 (吨)	COD Emissions in Industrial Wastewater (tons)	6049.79	4715.38
工业废水中氨氮排放量 (吨)	Ammonia emissions in Industrial wastewater (tons)	131.28	81.00
工业二氧化硫产生量 (吨)	Industrial Sulfur Dioxide Produced (tons)	59091.77	47774.19
工业二氧化硫排放量 (吨)	Industrial Emissions of Sulfur Dioxide (tons)	3973.00	3194.72
工业氮氧化物排放量 (吨)	Industrial Nitrogen Oxide Emissions (tons)	16055.79	13955.77
工业烟(粉)产生量 (吨)	Industrial Smoke (Powder) Production (tons)	3507799.56	3510607.92
工业烟(粉)尘排放量 (吨)	Industrial Smoke, Powder and Dust Emissions (tons)	10411.02	10768.45
一般工业固体废物综合利用率 (%)	Comprehensive Utilization Rate of General Industrial Solid Waste (%)	99.03	99.16
城市污水集中处理率 (%)	Centralized Treatment Rate of Urban Sewage (%)	97.06	97.09
城市生活垃圾无害化处理率 (%)	Harmless Treatment Rate of City's Living Garbage (%)	100	100
空气质量优良天数 (天)	Air Quality Days (days)	334	321
集中式饮用水源地水质达标率 (%)	Compliance Rate of Centralized Sources of Drinking Water (%)	100	100

主要统计指标解释

自来水生产能力 指年底城建部门管理的自来水厂实际生产能力。

生活用水量 指居民日常生活与公共福利设施的用水量。包括居民、饮食店、旅馆、医院、理发店、浴池、洗衣店、游泳池、商店、学校、机关、部队等单位的用水量。

供气总量 指全年售给各类用户的全部煤气量。包括工业用量、家庭用量和其他用量。

年末实有道路长度 指除土路外,路面经过铺装宽度在3.5米以上的道路,包括高级、次高级道路和普通道路。

城市桥梁 指城市范围内,修建在河道上的桥梁和道路与道路立交、道路跨越铁路的立交桥,以及人行天桥。包括永久性桥和半永久性桥,不包括临时性桥、铁路桥、涵洞。

营运线路长度 指设置的固定营运线路的长度,包括郊区营运线路长度。不包括临时行驶的线路长度。

用水普及率 指城市用水的非农业人口数(不包括临时人口和流动人口)与城市非农业人口总数之比。计算公式为:

$$\text{用水普及率} = \frac{\text{城市用水非农业人口数}}{\text{城市非农业人口数}} \times 100\%$$

城市园林绿地面积 指城市公共绿地、专用绿地、生产绿地、防护绿地、郊区风景名胜区的全部面积。

公园绿地面积 指供游览休息的各种公园、动物园、植物园、陵园以及花园、游园和供游览休息用的林荫道绿地、广场绿地。不包括一般栽植的行道树及林荫道的面积。

Explanatory Notes on Main Statistical Indicators

Production Capacity of Tap Water refers to the actual production capacity of the waterworks administered by the urban construction department at the year end.

Domestic water consumption refers to the water consumption of residents daily life and public welfare facilities, including the consumption of residents, restaurants, hotels, hospitals, barber shops, public bathhouses, laundries, swimming pools, shops, schools, institutions, army and other units.

Total Gas Supply refers to the total volume of gas sold to users in a year, including the gas for industrial use, family use and others.

Length of Roads at the Year End refers to the length of roads with pavement width more than 3.5 meters except unsurfaced roads, including high quality, medium quality and ordinary roads.

Urban Bridges refer to bridges over river courses, overpasses crossing roads or railways and passenger footbridge in urban areas. Permanent and semi – permanent bridges are included. Temporary bridges, railway bridges and culverts are excluded.

Length of Operation Line refers to the length of the roads in fixed operation, including the suburb one, but excluding the temporary one.

Urban Water Popularity rate refers to the ratio of the urban non – agricultural population (excluding temporary and floating population) using tap water to the total urban non – agricultural population. The formula is as follows:

$$\text{Urban Water Popularity rate} = \frac{\text{Urban Non – agricultural Population Using Tap Water}}{\text{Urban Non – agricultural Population}} \times 100\%$$

Area of Urban Gardens and Green Lands refers to the total area of urban public green land, special green land, production green land, protection green land and suburban scenic spots.

Park Green Area refers to the area of various parks, zoos, botanical gardens, cemeteries, gardens, and boulevard and square green land for sightseeing and rest. Areas of street trees and boulevards are excluded.