Appendices

⚠ Key Performance

Category	Indicators	Unit	2022	2023	2024
	Total assets	RMB billion	642.66	661.05	671.24
	Operating revenue	RMB billion	354.94	372.60	389.59
	Service revenue	RMB billion	319.35	335.17	345.98
	Profit before income tax	RMB billion	20.59	22.95	25.22
Operations and	Number of internet billing subscribers	Thousand	322,698	333,298	343,979
development	Number of broadband online subscribers	Thousand	103,630	113,416	122,253
	Cumulative number of IoT terminal connections ⁴	Thousand	385,540	493,911	624,781
	Number of customers served by virtual private networks in 5G industry ⁴	Units	3,805	8,563	16,059
	Number of 4G mid-band available base stations	Thousand	2,276	Over 2,900	Over 2,300
	Total number of 5G base station construction	Thousand	1,000	Over 1,210	1,375
	Number of fixed network broadband access ports	Billion	0.250	0.266	0.279
	Gigabit fibre network coverage capacity	Billion households	0.208	0.356	0.430
	Broadband coverage rate in administrative villages in ten northern provinces	%	99	99	99.8
Network capabilities	Coverage rate of mobile network in township	%	100	100	100
	Coverage of mobile network administrative villages	%	96	98	99
	The co-construction rate of pole lines	%	95	99.2	90.3
	Cable sharing rate	%	93	99.6	96.4
	Co-construction rate of pipelines	%	91	94.9	92.5
	Sharing rate of pipelines	%	93	98.2	96.3
	International internet external bandwidth	G	5,860	7,000	8,010
	Number of data centre racks	Thousand	363	405	Over 420
	Total number of emergency communication guarantees ⁵	Times	672	160	127
Commitment in	Emergency communication support personnel ⁵	Thousand persontime	790	242	341
major assurance initiatives	Mobile emergency communication vehicles ⁵	Thousand vehicle- time	285	70	87
	Investment in emergency communication equipment ⁵	Thousand set-time	186	13	6
	R&D investment	RMB billion	14.38	15.12	15.93
Independent	Number of effective patents	Items	-	-	9,397
innovation	Number of patents applied	Items	2,672	4,398	2,071
	Number of patents granted	Items	1,666	2,287	1,436

Category	Indicators	Unit	2022	2023	2024
	Overall satisfaction ⁶	Points	81.97	81.78	82.0
	Including: Mobile business customer satisfaction	Points	81.24	80.93	81.2
Customer service	Fixed line phone customer satisfaction	Points	88.34	88.94	89.3
	Fixed Internet customer satisfaction	Points	81.32	81.29	81.5
	Valid complaint rate ⁷	cases/million households	_	-	43.5
	Total number of employees	Person	244,658	242,891	240,617
	Gender proportion of employees	Male: female	1.63:1	1.62:1	1.62:1
	Proportion of ethnic minority employees	%	6.8	6.98	7.16
	Proportion of female in senior management	%	12.8	12.3	12.9
	Input in employee training	RMB thousand	333,320	464,650	397,210
	Training hours per employee	Hours	118	115	126
	Network college online learning persontime	Thousand persons	50,040	59,860	57,430
	Total learning hours by participants at the network college	Thousand hours	_	-	14,560
	Social insurance coverage rate	%	100	100	100
	Proportion of contracted employees in labour	%	100	100	100
	Input to help and support employees suffered from difficulties	RMB thousand	81,000	120,000	123,070
	Employee turnover rate	%	2.18	2.06	1.97
	Number of new employees	Person	13,260	9,446	8,409
	Number of new male employees	Person	8,468	5,975	5,269
	Number of new female employees	Person	4,792	3,471	3,140
People-oriented	Number of employees who voluntarily resign	Person	3,200	3,321	2,926
	Number of male employees who voluntarily resigned	Person	2,103	2,063	1,927
	Number of female employees who voluntarily resigned	Person	1,097	1,258	999
	Number of dismissed employees during the year	Person	2,122	1,686	1,812
	Number of dismissed male employees	Person	1,369	1,083	1,200
	Number of dismissed female employees	Person	753	603	612
	Turnover rate of employees aged below 30	%	4.23	6.98	4.19
	Turnover rate of employees aged 30-50	%	0.94	1.34	0.77
	Turnover rate of employees aged over 50	%	0.35	0.72	0.45
	Turnover rate of male employees	%	1.39	2.09	1.30
	Turnover rate of female employees	%	1.18	2.01	1.09
	Turnover rate of domestic employees	%	1.31	1.4	1.2
	Turnover rate of oversea employees	%	1.68	3.2	11.30
	Number of work-related fatalities	Person	0	0	0
	Rate of work-related fatalities	%	0	0	0
	Lost days due to work injury		0	0	0

Category	Indicators	Unit	2022	2023	2024
	Special investment in energy conservation and emission reduction	RMB billion	0.168	0.336	0.411
	Greenhouse gas emission reduction	Thousand tonnes of carbon dioxide equivalent	120	1,360	2,297
	Water resources consumption	Thousand tonnes	16,630	14,920	15,680
	Water consumption density	Tons/RMB Million	50.72	40.04	40.22
	Total energy consumption	Thousand tonnes of standard coal	2,890	2,920	3,040
	Energy saving	Thousand tonnes of standard coal	269	415	445
	Fossil energy consumption	Thousand tonnes of standard coal	60	50	50
	Gasoline consumption ^{8, 9}	Millions of litres	40	29	31.7
	Diesel consumption ^{8, 9}	Millions of litres	11	9	8.9
	Coal consumption ⁹	Thousand tonnes	1	0.3	0.9
	Natural gas consumption ⁹	Millions of m ³	4.65	4.09	4.97
	Electricity consumption9	Billion kWh	22.2	22.5	23.4
Low-carbon	Comprehensive Energy consumption per unit of information flow	Kg of standard coal/ TB	2.4	2.3	2.0
development	Energy consumption intensity	Tonnes of standard coal/RMB million	-	-	5.8
	Direct energy consumption	Thousand tonnes of standard coal	-	-	53
	Indirect energy consumption	Thousand tonnes of standard coal	-	-	2,983
	Greenhouse gas emissions ¹⁰	Million tonnes	13.4	13.25	13.00
	Total direct emission of GHG (category I)	Million tonnes	0.14	0.10	0.11
	Total indirect emission of GHG (category II)	Million tonnes	13.22	13.15	12.89
	Category III GHG Emissions – Category 6: Business travel ¹¹	Thousand tonnes	-	-	33.7
	Indirect greenhouse gas emissions generated from electricity consumption	Million tonnes	-	_	12.54
	Indirect greenhouse gas emissions from thermal energy consumption	Million tonnes	-	-	0.36
	Sulphur dioxide emission	Tonnes	2	0.1	0.3
	Scrap disposal and recycling amount	RMB billion	0.63	0.655	0.680
	Disposal of scrapped batteries (hazardous)	RMB billion	0.093	0.123	0.140
	Comprehensive waste treatment volume (non-hazardous)	RMB billion	0.287	0.297	0.540
Compliance	Number of safety production hazard inspections ¹²	ltem	-	-	61,700
management	Production safety training coverage rate	%	100	100	100
	Number of registered volunteers	Units	89,714	95,734	103,778
Community	Total tax paid	RMB billion	7.105	8.60	13.70
responsibility	Employment creation	Person	13,349	9,446	8,409
	Total donations	RMB thousand	1,045	1,436	2,031

- Data Description: The data and information collection of this report mainly sourced from the Company's internal data collection system and relevant statistical reports, as well as the corporate sustainable development practise cases submitted by provincial companies. There is no material change in relation to the methods used for prepping the disclosure. The data for 2024 quoted in this report is the final statistical data. If there is any discrepancy between the financial data and the annual report, the annual report shall prevail. The monetary unit adopted in this report is RMB.

 Please refer to the "Description to the Report" for the details of the report reference standards.
- Quality assurance: The Board of Directors and all directors undertake that the information disclosed in the report is authentic, complete and correct, with no false record or misleading statements.
- To better reflect the Company's good progress in grasping new opportunities, embracing new changes and achieving new development, the Company has adjusted the disclosure of its monthly operational statistics since 22 March 2022, and improved market transparency in a number of key business areas such as "Ubiquitous Connectivity, Innovative Application, Smart Services and Technological Innovation"
- 5. The Company revised the important communication guarantee scheduling mechanism, refined the hierarchical and classified management standards, and adjusted the statistical calibre such as the number, personnel, vehicles and equipment investment for important communication guarantee services starting from 2023.
- The comprehensive satisfaction data is sourced from the Ministry of Industry and Information Technology of the People's Republic of China, and from 2024 onwards, the compliance status will replace the specific scores.
- 7. The 2024 valid complaint rate (cases per million households) data is sourced from the Ministry of Industry and Information Technology of the People's Republic of China, and differs from the 2022 monthly average complaint rate of 6.71 (instances per million subscribers) and the 2023 customer complaint rate of 746.5 (instances per million subscribers), thus the data for 2022 and 2023 is shown as "-".

- 8. With reference to the requirements of ESG information disclosure, gasoline and diesel consumption has been measured by volume unit since 2022.
- 9. The data statistics of gasoline consumption, diesel consumption, natural gas consumption, electricity consumption and coal consumption cover the headquarters and 31 provincial branches. The conversion factor of each energy consumption shall refer to "General Rules for the Calculation of the Comprehensive Energy Consumption".
- 10. The Company uses operational control methods to account for greenhouse gases, including all relevant operational entities within the accounting scope. The type of greenhouse gas accounted for is carbon dioxide. The accounting guidelines are derived from the "Guidelines for Accounting and Reporting Greenhouse Gas Emissions for Enterprises in Other Industrial Sectors" issued by the National Development and Reform Commission. The average greenhouse gas emission factor for the power grid is sourced from the Ministry of Ecology and Environment's "Notice on the Management of Greenhouse Gas Emission Reporting for Power Generation Industry Enterprises from 2023 to 2025" (Climate Office Letter [2023] No. 43) and "Announcement on the Release of 2022 Power Carbon Dioxide Emission Factors" (Announcement 2024 No. 33). The carbon dioxide emission factor for purchased thermal energy is sourced from the "Notice on Issuing the Third Batch of 10 Industry Enterprise Greenhouse Gas Accounting Methods and Reporting Guidelines (Trial)" by the General Office of the National Development and Reform Commission (Development Reform Office Climate [2015] No. 1722). The carbon dioxide emission factors for coal, natural gas, coal gas, gasoline, and diesel are sourced from the "2006 IPCC National Greenhouse Gas Inventory Guidelines," with gasoline density set at 0.735 Kg/L and diesel density set at 0.835 Kg/L.
- 11. The scope of greenhouse gas emissions statistics for business travel is limited to domestic units. Transportation methods include trains and aeroplanes. The calculation method is the emission factor method, which calculates carbon emissions based on the carbon emission coefficient per unit mileage and then sums them up. The total mileage is calculated based on financial travel reimbursement data. The carbon emission factor for air travel is set at 0.139kg/km, while for train travel it is set at 0.04kg/km.
- 12. To more accurately and intuitively reflect the actual situation of potential risk inspections in safe production, the Company will optimise the relevant disclosure indicators for safe production from 2024 onwards, replacing "number of safety production training" with "number of safety production hazard inspections".

6 Honours and Recognition

- ✓ China Unicom ranked 279th in "Fortune Global 500" in 2024.
- ✓ China Unicom was honoured with several accolades including "Best Listed Company CEO" and "Best Listed Company" in the 2024 China Securities Golden Bauhinia Awards.
- ✓ China Unicom was voted as "Asia's Most Honoured Telecom Company", by Institutional Investor for the ninth consecutive year. China Unicom was also voted as "Asia's Best CEO (Telecoms)". "Asia's Best CFO (Telecoms)" and "Best IR Program (Telecoms)".
 - ✓ China Unicom was honoured with the "Best in Communications Sector" award at the "IR Magazine Awards Greater China 2024".
- ✓ China Unicom was awarded "Best Managed Company in China Gold", "Best Large-cap Company in China Gold", "Best CEO in China Gold", and "Most Committed to DEI in China Gold" by FinanceAsia.
- ✓ China Unicom was accredited with "Sustainable Asia Award", "Asia's Best CEO", "Asia's Best CFO", and "Best Investor Relations Company" at the 14th Asian Excellence Recognition Awards 2024 held by Corporate Governance Asia.
- ✓ The listed company's website has been awarded the "iNova Awards" Gold Award for the ninth consecutive year, and in 2024, it received the Gold Award in "Investor/Shareholder Relations", the "Mercury Awards" Gold Award, and the "Best Use of Video Gold" from International w3 awards.

Description to the Report

Reporting Period	From 1 January to 31 December 2024, with some contents exceeding the aforesaid period.
Reporting Cycle	China Unicom (Hong Kong) Limited's Sustainability Report is an annual report.
Scope of the Report	This report covers China Unicom (Hong Kong) Limited and its subsidiaries. For the convenience of expression, "China Unicom", "the Group", "the Company" and "we" are used in the presentation of this report.
Reporting Reference Standard	Guiding Opinions on High Standards of Social Responsibility Fulfilment by Central Enterprises in the New Era issued by the State-owned Assets Supervision and Administration Commission of the State Council; Guidelines for Preparation of Central Enterprises Social Responsibility Report (Draft for Comments) issued by the State-owned Assets Supervision and Administration Commission of the State Council; Enterprise Sustainable Disclosure Standards – Basic Guidelines (Trial) issued by the Ministry of Finance; Shanghai Stock Exchange Listed Companies Self-Regulatory Guidelines No. 14 – Sustainability Report (Trial) issued by the Shanghai Stock Exchange; HKEX Environmental, Social and Governance Reporting Guide; Chinese Academy of Social Sciences' Guidelines for the Preparation of Corporate Social Responsibility Reports in China (CASS-ESG6.0); Social Responsibility Guidelines (GBT36000-2015), General Administration of Quality Supervision, Inspection and Quarantine and National Standardization Administration; GRI Sustainability Reporting Standards issued by the Global Sustainability Standards Board (GSSB); Corporate Social Responsibility Management System of China's Information and Communication Industry issued by the China Association of Communications Enterprises.
Report Data Description	The 2024 data quoted in this report are final statistical data. In case of any discrepancy between the financial data herein and those in annual report, the annual report shall prevail.
Reporting Quality Assurance	The Board of Directors and all directors undertake that the information disclosed in the report is authentic, complete and accurate, with no false record or misleading statement.
Language versions and availability	The Company's sustainability report is available in both Chinese and English versions, provided in both paper and online formats. The Chinese and English version of the online report is available on the website of China Unicom: http://www.chinaunicom.com.hk.
Contact information	Address: China Unicom Corporate Development Department, No. 21 Jinrong Street, Xicheng District, Beijing Postal code: 100033 Fax: 86-10-66258604 Email: zhangting62@chinaunicom.cn

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Notes:

- 1. As the Company mainly engages in the provision of information communication services, packaging material used for the finished products as prescribed in A2.5 is not applicable to the Company's business practice.
- 2. Product recycling indicator involved in B6.1 is not applicable to the actual business of the Company. Through the identification of substantive agenda, the Company mainly reported on the maintenance of network information security, the protection of emergency communication, and the protection of customer rights and interests in accordance with the law.

Shanghai Stock Exchange "Shanghai Stock Exchange Listed Companies Self-Regulation Guidelines No. 14 – Sustainability Report (Trial)"

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Notes:

- Since the Company is not included in the list of enterprises required by law to disclose environmental information, and its production process does not involve the
 discharge of industrial wastewater and waste gas, the relevant indicators of pollutant emissions are not applicable to the actual business of the Company. We mainly
 reported on the management and discharge of domestic wastewater.
- 2. Since the Company is not an enterprise whose production and operation activities generate waste that has a significant impact on the environment, the relevant indicators of waste disposal are not applicable to the actual business of the Company. We mainly report on the management of solid waste categorized as hazardous and non-hazardous, the disposal situation, and reduction measures.
- 3. Since the Company's production and operation activities do not have a significant impact on the ecosystem and biodiversity, the relevant indicators for protection of ecosystem and biodiversity are not applicable to the actual business of the Company. We mainly report on enhancing the integration of digital technology with river and lake governance and ecological protection, and the planning of networks to avoid ecological protection red lines.

The SASAC of the State Council's "Reference Index System for ESG Special Report of Central Enterprise-Controlled Listed Companies"

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Note:

- 1. Due to the extensive coverage of China Unicom's business operations, we are currently unable to provide a comprehensive statistic for the proportion of recycled water usage related to E1.1.3. Through substantial issue identification, we mainly report the total annual water consumption, including that of the headquarters and all subsidiaries, as well as the recycled water usage from the headquarters and directly affiliated units. In the future, the company will further improve the relevant data statistical systems.
- 2. Since the company's primary business involves providing information and communication services, the material and packaging-related indicators associated with E1.2, E1.4, and E5.2.2 are not applicable to our operations. We primarily report on initiatives related to the lightweight and reduction of packaging materials involved in the renovation of China Unicom's service halls.
- 3. The company's production processes do not involve industrial wastewater and exhaust emissions, and we are not classified as a major polluter. Therefore, the wastewater and exhaust indicators related to E2.1 and E2.2 are not applicable to our operations. We primarily report on the management and discharge of domestic wastewater.

@ Guidelines for China Enterprise Sustainable Development Report (CASS-ESG6.0)

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Note:

- 1. The company is not included in the list of enterprises mandated by law to disclose environmental information. Additionally, our production processes do not involve industrial wastewater and emissions. Therefore, the pollution emission indicators related to E2.1 are not applicable to our operations. We primarily report on the management and discharge of domestic wastewater.
- 2. As the company does not fall under the category of enterprises whose waste generated from production activities significantly impacts the environment, the waste treatment indicators associated with E2.2 are not relevant to our operations. We focus our reporting on the management of solid waste categorized as hazardous and non-hazardous, along with disposal practices and reduction initiatives.
- 3. Given that the company's production and operational activities do not significantly affect ecosystems and biodiversity, the ecosystem and biodiversity protection indicators related to E2.3 are not applicable to our operations. Our reporting primarily addresses the integration of digital technology with river and lake governance and ecological protection, including network planning to circumvent ecological protection red lines.

GRI Sustainability Reporting Standards

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Note:

- 1. The relevant content regarding government financial subsidies related to 201-4 is included in our company's 2024 annual report.
- 2. Material gases such as ozone-depleting substances (ODS), nitrogen oxides (NOX) and sulphur oxides (SOX) cited in 305-6 and 305-7 are not the major emissions of the Company.