



**WATER STATISTICS REPORT AS OF THE FOURTH QUARTER
(OCTOBER-DECEMBER) OF THE YEAR 2022**

Disclaimer: Information provided in this report is subject to alteration in case of any revision or update deemed necessary.

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1. Urban water subscribers

In the fourth quarter 2022, the number of water subscribers served by WASAC Ltd increased from 292,239 as of September 2022 up to 307,952 as of December 2022, which represents an increase of 5.4%. These water connections include public standpipes serving people without water connection at their homes. The 47.4% of WASAC subscribers are in the City of Kigali while 52.6% of them are distributed in the provinces.

Table 1: Trend of urban water subscribers per province and City of Kigali

Province	Dec-2021	Mar- 2022	Jun- 2022	Sep-2022	Dec-2022
City of Kigali	137,989	138,122	139,485	141,096	145,878
Southern province	35,935	37,013	39,061	39,852	41,717
Western province	27,848	28,119	28,549	29,133	32,119
Northern province	23,204	23,943	24,464	24,785	25,872
Eastern province	50,636	55,270	56,049	57,373	62,366
Total	275,612	282,467	287,608	292,239	307,952

Source: WASAC reports

In the quarter under review, the 91.8% of WASAC customers are in the category of residential, whereas the remaining 8.2% are in the category of non-residential, industrial, and public standpipes.

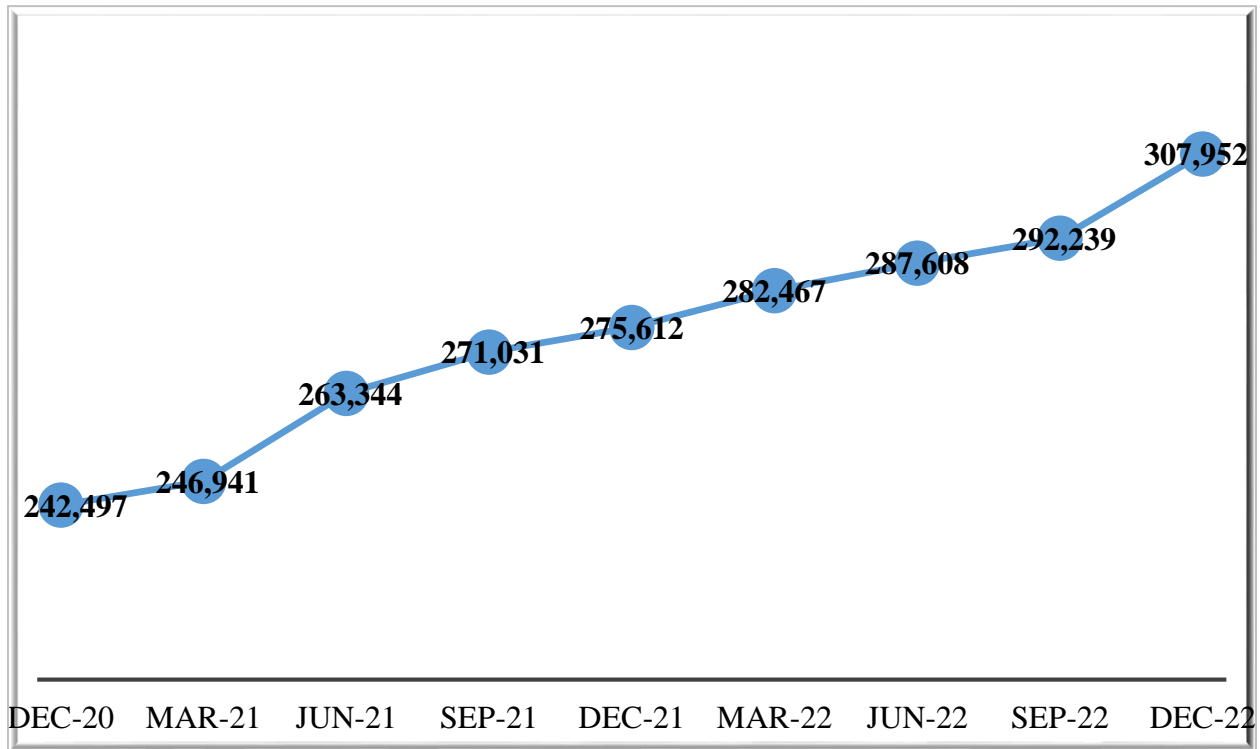
Table 2: Trends of WASAC customers per category of subscribers

Category of customers	Dec-2021	Mar- 2022	Jun-2022	Sep-2022	Dec-2022
Residential connections	253,055	259,673	263,708	268,057	282,573
Non-residential connections	16,060	16,161	16,779	16,929	17,916
Industrial connections	300	308	322	325	340
Public standpipes	6,197	6,325	6,799	6,928	7,123
Total	275,612	282,467	287,608	292,239	307,952

Source: WASAC reports

The number of connected customers increased from 275,612 as of December 2021 up to 307,952 as of December 2022, representing an increase of 11.7%. The below figure illustrates the trend of WASAC connections from December 2020 up to December of the year 2022.

Figure 1: Trend of WASAC customers from December 2020 to December 2022



Source: WASAC reports

2. Water produced, supplied and billed

2.1. Water production

In the fourth quarter under review, the total quantity of water produced by WASAC Ltd for supplying in its service area stood at 18.1 million cubic meters in comparison to 17.3 million cubic meters recorded in Q4 2021, which represents an increase of 4.4% whereas there was 3.0% decrease in comparison to Q3 2022. The Table 3 illustrates the trend of water produced from Q4 2021 to Q4 2022 by Water Treatment Plant.

Table 3: Trend of water production (m³) per treatment plant

Name of WTP	Q4 2021	Q1 2022	Q2 2022	Q3 2022	Q4 2022
Cyunyu	416,854	382,303	390,914	384,565	344,729
Gihira	1,002,600	946,092	1,077,364	1,082,935	1,049,534
Gihuma	348,905	335,811	362,721	346,776	301,749
Gisuma	132,729	125,169	134,591	126,866	116,801
Kadahokwa	531,800	527,914	541,633	600,633	608,162
Kanyabusage	137,564	138,718	137,665	141,253	131,859
Kanyonyomba	293,643	246,352	267,822	286,108	295,116
Kanzenze	3,213,705	3,221,246	3,318,069	3,301,950	3,254,858
Karenge	1,313,818	1,121,624	1,134,110	1,205,754	1,201,739
Kimisagara	2,189,548	2,190,701	2,111,680	2,137,256	2,087,518
Mpanga	371,353	370,339	380,920	433,969	469,522
Muhazi	597,735	547,416	574,613	559,824	543,078
Mutobo	1,119,103	988,544	847,994	852,531	770,847
Ngenda	260,490	248,577	267,867	294,531	241,145
Nyagatare	695,426	677,552	675,695	904,671	846,577
Nyamabuye	183,248	189,866	189,005	189,630	193,250
Nzove	4,245,224	4,405,307	4,604,217	5,201,367	5,137,787
Rwasaburo	185,776	181,923	204,420	245,378	207,858
Shyogwe -Mayaga	131,966	152,965	151,481	159,778	155,123
Mata	-	23,700	34,060	31,736	28,154
Nyabimata	-	50,476	75,575	56,293	31,913
Nyabahanga	-	-	62,490	66,620	55,419
Muhondo	-	-	1,464	6,398	-
Mwoya	-	-	-	74,429	62,270
Total production	17,371,487	17,072,595	17,546,370	18,691,251	18,135,008

Source: WASAC reports

2.2. Water supplied into the network

During the 4th quarter 2022, the quantity of water supplied into the network increased by 3.4% from 17.1 million cubic meters reported in Q4 2021 to 17.7 million cubic meters reported in the Q4 2022. In comparison to the 3rd quarter 2022, the quantity of supplied water decreased by 3.3%. The Table 4 displays the trend of water supplied per location.

Table 4: Trend of water supplied (m³) from Q4 2021 to Q4 2022

Location	Q4 2021	Q1 2022	Q2 2022	Q3 2022	Q4 2022
Kigali city	10,439,456	10,496,846	10,567,649	10,806,713	10,653,121
Bugesera	956,162	874,019	961,620	1,032,366	1,010,850
Gicumbi	183,117	189,713	190,042	193,116	191,711
Huye	514,769	515,299	533,193	601,567	601,034
Karongi	137,507	138,667	200,105	207,802	187,217
Muhanga	302,093	304,525	333,340	355,604	307,444
Musanze	1,118,836	988,279	847,768	852,284	770,609
Ngoma	185,739	181,923	204,420	245,378	207,833
Nyagatare	683,246	667,317	681,413	893,429	836,537
Nyamagabe	131,352	198,164	242,407	213,164	175,369
Nyanza	247,351	231,738	227,437	283,101	294,745
Rubavu	998,623	945,327	1,035,537	1,062,529	1,031,975
Ruhango	221,260	212,738	294,085	275,665	293,621
Rusizi	416,613	382,186	390,808	450,587	344,649
Rwamagana	646,345	591,705	625,997	895,236	855,443
Total	17,182,468	16,918,446	17,335,821	18,368,541	17,762,160

Source: WASAC reports

2.3. Water billed

In the 4th quarter 2022, the quantity of water billed was 9.9 million cubic meters in comparison to 9.0 million cubic meters recorded in Q4 2021, which represents an increase of 9.8%. There billed water has decreased by 8.8% compared to the third quarter 2022. The below table displays the trends of billed water from the fourth quarter of 2021 up to the fourth quarter of the year 2022.

Table 5: Trend of water billed (m³) from Q4 2021 to Q4 2022

Location	Q4 2021	Q1 2022	Q2 2022	Q3 2022	Q4 2022
Kigali city	5,656,146	5,486,573	5,749,750	6,559,468	6,008,077
Bugesera	503,825	469,436	546,918	602,049	778,282
Gicumbi	80,223	72,777	72,829	97,858	73,052
Huye	304,170	273,665	290,040	351,673	337,227
Karongi	76,125	78,943	88,094	93,814	85,052
Muhanga	199,239	193,061	195,011	219,066	191,335
Musanze	492,388	531,484	545,431	644,513	541,674
Ngoma	117,398	114,695	124,200	156,917	118,760
Nyagatare	260,307	286,439	278,228	422,096	294,307
Nyamagabe	92,561	90,861	120,018	119,322	111,413
Nyanza	146,333	152,626	157,902	199,625	189,641
Rubavu	439,322	458,348	476,928	543,985	474,815
Ruhango	103,809	93,194	106,035	118,193	121,864

Location	Q4 2021	Q1 2022	Q2 2022	Q3 2022	Q4 2022
Rusizi	184,188	181,737	183,009	217,871	185,033
Rwamagana	435,611	420,582	472,438	603,047	472,933
Total	9,091,645	8,904,421	9,406,830	10,949,497	9,983,465

Source: WASAC reports

3. Urban water tariff

Table 6: Applicable tariff for WASAC customers by consumption block (VAT exclusive)

Customer category	Monthly consumption block	Applicable tariff (Frw/m ³)
Public taps	N/A	323
Residential	0-5m ³	340
	6-20m ³	720
	21-50m ³	845
	> 50 m ³	877
Non Residential	0-50m ³	877
	> 50 m ³	895
Industries	N/A	736

Source: Board Decision N°001/BD/WAT/RURA/2019

4. Rural water tariff

Table 7: Application rural water tariffs per water system (VAT exclusive)

Water system	Tariff RWF/m ³	Tariff RWF/Jerrican
Gravity	287	7
Electricity pumping	731	17
Diesel Pumping	921	21
Turbo	689	16
Complex System	597	14

Source: Board Decision N°06/BD/ER-LER/RURA/2016