



**WATER AND SANITATION STATISTICS AS OF MARCH OF
THE YEAR 2020**

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TABLE OF CONTENTS

TABLE OF CONTENTS	i
LIST OF TABLES.....	ii
LIST OF FIGURES	ii
PART I. WATER.....	1
1. Urban water supply	1
1.1. Urban water subscribers	1
1.2. Urban water tariff	2
1.3. Water produced, supplied and sold	3
1.3.1. Water production.....	3
1.3.2. Water supplied into the network	3
1.4. Rural water tariff.....	5
PART II: SANITATION.....	6

LIST OF TABLES

Table 1: Urban water subscribers per province and City of Kigali as of March 2020	1
Table 2: WASAC customers per category of subscribers of March 2020	1
Table 3: Applicable tariff for WASAC customers by consumption block (VAT exclusive)	2
Table 4: Water supplied, sold and non-revenue water (NRW) as of the first quarter 2020.....	4
Table 5: Application rural water tariffs per water system (VAT exclusive)	5
Table 6: Licensed water service providers as of March 2020.....	5
Table 7: Licensed sanitation operators as of March 2020.....	7
Table 8: Maximum tariff for solid waste collection and transportation in the City of Kigali	8

LIST OF FIGURES

Figure 1: Trend of WASAC customers from March 2019 to March 2020	2
Figure 2: Water production (m ³) per treatment plant as of the 1 st quarter 2020.....	3
Figure 3: Trend of non-revenue water (%) from 1 st quarter 2019 to 1 st quarter 2020.....	4
Figure 4: Distribution of rural water service providers' licenses as of March 2020	5
Figure 5: Distribution of solid waste collection and transportation operators across provinces and the City of Kigali as of March 2020	7

PART I. WATER

1. Urban water supply

1.1. Urban water subscribers

As of March 2020, the number of urban and peri-urban water subscribers served by WASAC Ltd increased to 225,989 from 222,566 connections recorded at the end of December 2019. This represents an increase of 1.5 percent. The 51% of these connections are in the City of Kigali while 49% of them are distributed in provinces. This difference is primarily due to the fact that, some water connections located in provinces are supplied by Rural Water Service Providers.

Table 1: Urban water subscribers per province and City of Kigali as of March 2020

Province	Q4 2019	Q1 2020	Variation (%)
City of Kigali	114,678	115,804	1.0
Southern province	28,705	29,093	1.4
Western province	21,657	21,920	1.2
Northern province	19,011	19,293	1.5
Eastern province	38,515	39,879	3.5
Total	222,566	225,989	1.5

Source: WASAC, March 2020

All of these water subscribers are categorised as residential, non-residential, industrial customers as well as public standpipes. The following table indicates the distribution of urban water subscribers per customer category.

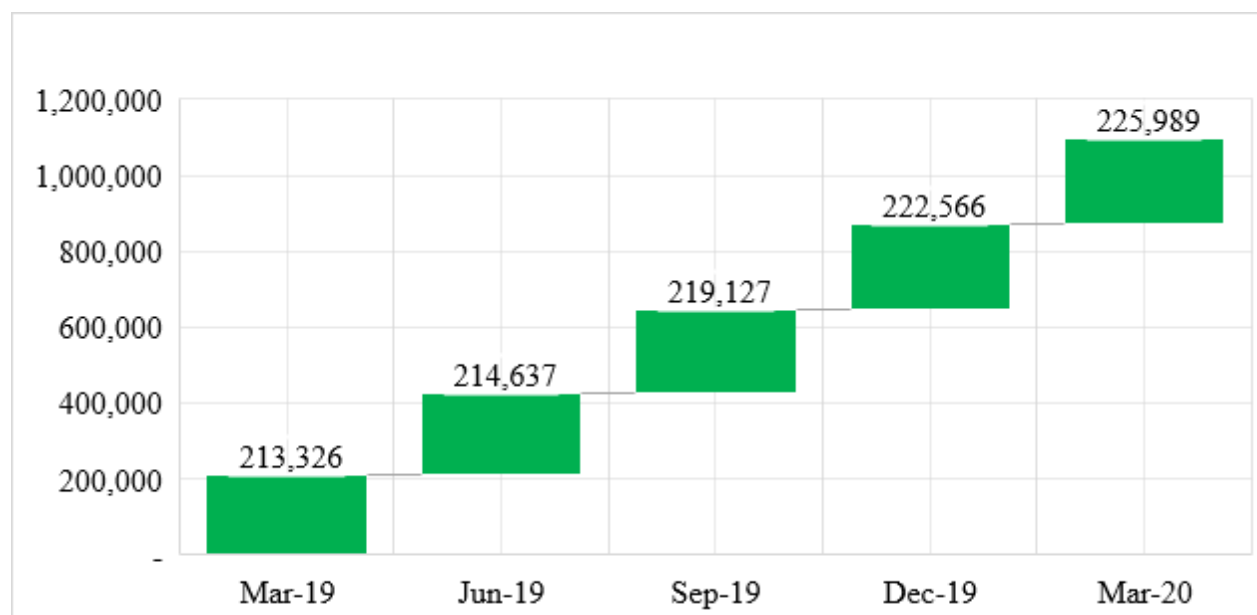
Table 2: WASAC customers per category of subscribers of March 2020

Category of customers	Q4 2019	Q1 2020	Variation (%)
Residential connections	202,994	206,113	1.5
Non-residential connections	14,720	14,990	1.8
Industrial connections	232	240	3.4
Public standpipes	4,620	4,646	0.6
Total	222,566	225,989	1.5

Source: WASAC, March 2020

At the end of the quarter under review, 91.2% of urban and peri-urban water subscribers fall under residential category, whereas the remaining 8.8% are in the category of non-residential, industrial, and public standpipes.

Figure 1: Trend of WASAC customers from March 2019 to March 2020



Source: WASAC, March 2020

At the end of March 2020, the number of connected customers increased to 225,989 from 213,326 recorded at the end of March of the year 2019, representing an increase of 5.9%.

1.2. Urban water tariff

Table 3: Applicable tariff for WASAC customers by consumption block (VAT exclusive)

Customer category	Monthly consumption block	Tariff up to Jan 2019 (Frw/m3)	Current tariff (Frw/m3)	Variation (%)
Public taps	N/A	323	323	0.0
Residential	0-5m3	323	340	5.3
	6-20m3	331	720	117.5
	21-50m3	413	845	104.6
	> 50 m3	736	877	19.2
Non Residential	0-50m3	736	877	19.2
	> 50 m3	847	895	5.7
Industries	N/A	736	736	0.0

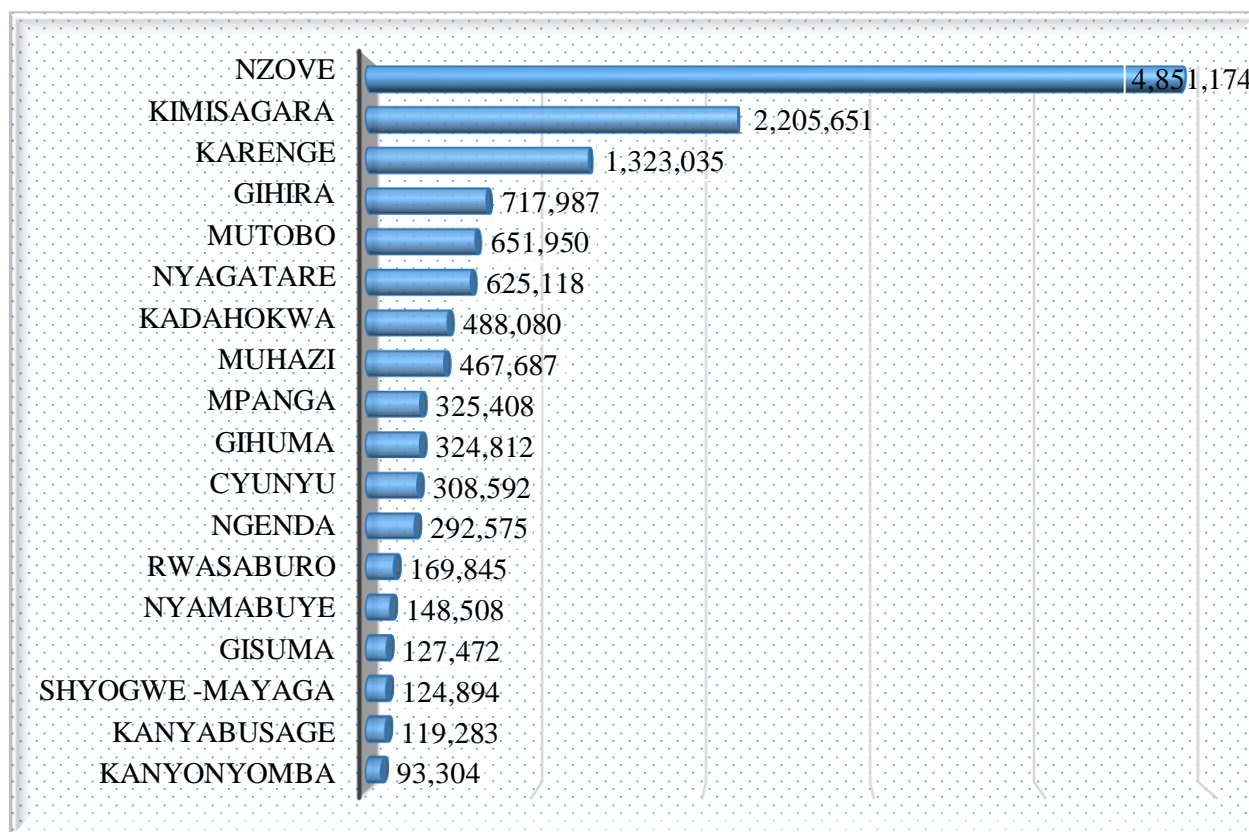
Source: RURA, March 2020

1.3. Water produced, supplied and sold

1.3.1. Water production

During this quarter under review, the total quantity of water produced by WASAC Ltd for supplying in its service area stood at 13.3 million cubic meters. The below figure shows the quantity of water produced in the first quarter of year 2020 with respect to water treatment plant.

Figure 2: Water production (m³) per treatment plant as of the 1st quarter 2020



Source: WASAC, March 2020

1.3.2. Water supplied into the network

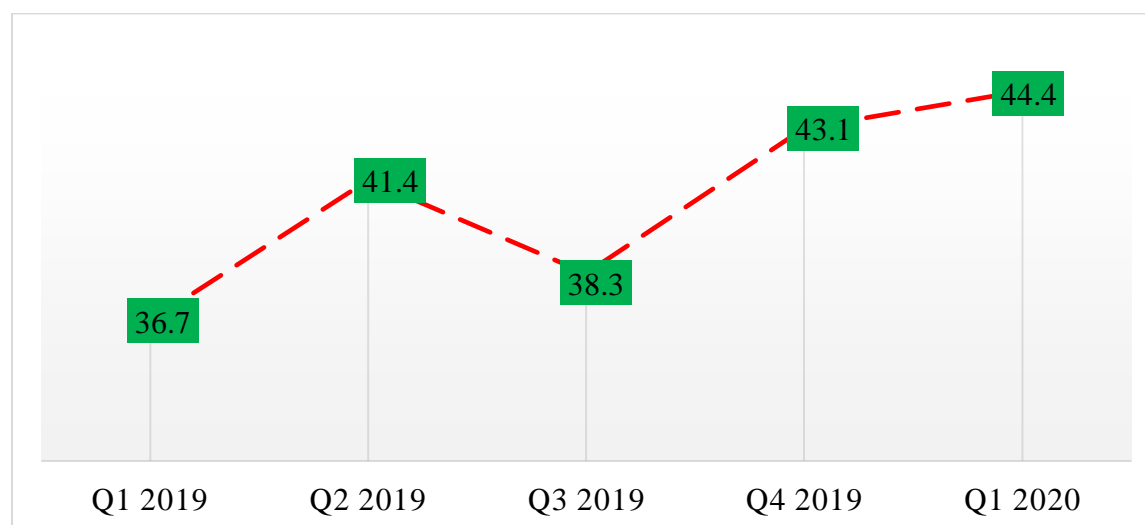
During this quarter under review, the quantity of water supplied into network was 12.9 million cubic meters whereas 7.1 million cubic meters were billed. The difference of 419,097 cubic meter between water produced (13,365,375 m³) and supplied (12,946,278 m³) is an estimated water losses in the WTPs and own use mainly for back washing and network flushing.

Table 4: Water supplied, sold and non-revenue water (NRW) as of the first quarter 2020

Branches	Water supplied (m ³)	Water sold (m ³)	NRW (m ³)	NRW (%)
Kigali City	7,957,346	4,454,649	3,502,697	44.0
Bugesera	380,983	228,824	152,159	39.9
Gicumbi	148,351	83,124	65,227	44.0
Huye	457,262	261,472	195,790	42.8
Karongi	119,187	68,853	50,334	42.2
Muhanga	305,835	171,022	134,813	44.1
Musanze	651,701	443,787	207,914	31.9
Ngoma	162,257	95,143	67,114	41.4
Nyagatare	611,920	231,363	380,557	62.2
Nyamagabe	126,187	86,416	39,771	31.5
Nyanza	230,612	122,245	108,367	47.0
Rubavu	703,248	408,293	294,955	41.9
Ruhango	110,676	62,258	48,418	43.7
Rusizi	308,590	154,851	153,739	49.8
Rwamagana	672,123	328,231	343,892	51.2
Total	12,946,278	7,200,531	5,745,747	44.4

Source: WASAC, March 2020

Figure 3: Trend of non-revenue water (%) from 1st quarter 2019 to 1st quarter 2020



Source: WASAC, March 2020

The chart above illustrates that 44.4 percent of water supplied within all branches as of March 2020 was water losses due mainly to illegal connections, leakages, road construction, metering inaccuracies, meter bursts, meter blocked, natural disasters and stealing water by moving meters.

1.4. Rural water tariff

Table 5: 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

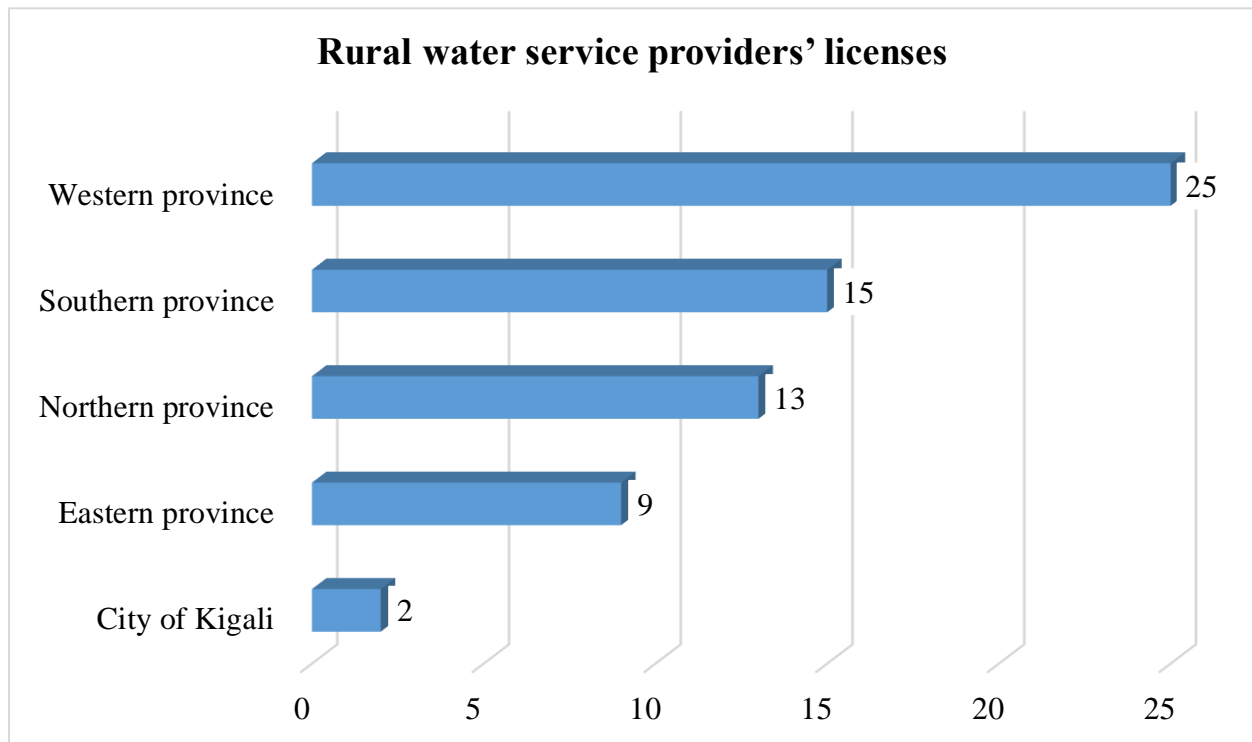
Table 6: Licensed water service providers as of March 2020

Category of license	Number of licensees
Urban Water Supply (Water Utility- WU)	1
Bulk Water Supply License (BWS)	1
Rural Water Supply (Management of Complex Water Supply Infrastructure-(MCWSI)	1
Rural Water Supply (Water Supply Infrastructure Management-WSIM)	63

Source: RURA, March 2020

As of March 2020, one (1) Urban Water Supply, one (1) for Bulk Water Supply, one (1) for Management of Complex Rural Water Supply Infrastructure, and sixty-three (63) for Rural Water Supply Infrastructure Management licenses were issued.

Figure 4: Distribution of rural water service providers' licenses as of March 2020



Source: RURA, March 2020

At the end of March 2020, twenty-four (25) licenses were provided to rural water service operators for serving in Western province, fifteen (15) in Southern province, fourteen (13) in Northern province, nine (9) in Eastern province and two (2) licensees in the City of Kigali.

PART II: SANITATION

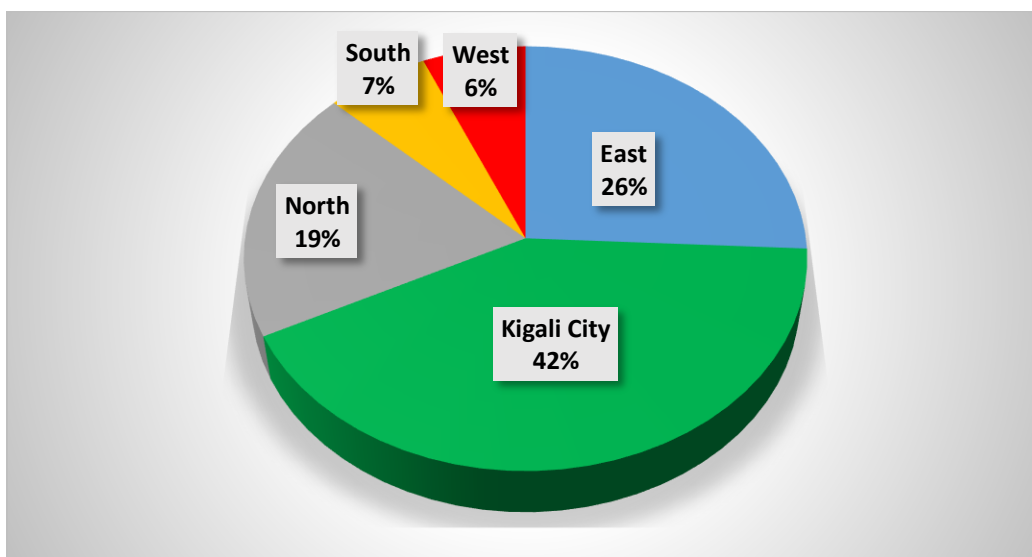
At the end of March 2020, two hundred and fourteen (214) cleaning services, seven (7) liquid waste water treatment system, six (6) liquid solid waste collection and transportation, five (6) solid waste recycling services, two (2) treatment of hazardous waste management, and thirty one (31) solid waste collection and transportation licenses were issued in the need to increase the hygiene and cleaning services in Rwanda.

Table 7: Licensed sanitation operators as of March 2020

Category of license	Number of licensees
Cleaning services	214
Liquid wastewater treatment system	7
Liquid waste collection and transportation	6
Solid waste recycling services	6
Treatment of hazardous waste management	2
Solid waste collection and transportation.	31

Source: RURA, March 2020

Figure 5: Distribution of solid waste collection and transportation operators across provinces and the City of Kigali as of March 2020



Source: RURA, March 2020

The 42 percent of recorded licenses for the collection and transportation of sold wastes were in City of Kigali whereas 58 percent were in the provinces.

Table 8: Maximum tariff for solid waste collection and transportation in the City of Kigali

District	Sector	Tariff (Frw) per month for two sacks in a week for household		
		Lower income earners	Middle income earners	Higher income earners
Nyarugenge	Mageragere	2,300	4,600	6,900
	Kanyinya	2,000	4,100	6,100
	Nyamirambo	2,000	3,900	5,900
	Kigali	2,100	4,100	6,200
	Kitega	1,900	3,800	5,700
	Rwezamenyo	1,800	3,600	5,500
	Nyakabanda	1,900	3,800	5,600
	Muhima	1,800	3,700	5,500
	Nyarugenge	1,800	3,600	5,300
	Kimisagara	1,900	3,700	5,600
Kicukiro	Gahanga	1,800	7,500	11,200
	Gatenga	1,200	5,100	7,700
	Gikondo	1,000	4,000	6,000
	Kagarama	1,800	3,700	5,500
	Kanombe	1,900	3,900	5,800
	Kicukiro	1,900	3,900	5,800
	Kigarama	1,900	3,700	5,600
	Masaka	2,100	4,300	6,400
	Niboye	1,800	3,600	5,400
	Nyarugunga	2,200	4,300	6,500
Gasabo	Bumbogo	2,200	4,400	6,500
	Gikomero	2,000	3,900	5,900
	Rusororo	1,900	3,800	5,700
	Jabana	1,700	3,300	5,000
	Ndera	1,800	3,700	5,500
	Kinyinya	1,800	3,500	5,300
	Kimihurura	1,700	3,400	5,200
	Remera	1,700	3,400	5,200
	Rutunga	2,000	3,900	5,900
	Jali	1,900	3,900	5,800
	Nduba	1,700	3,300	5,000
	Kimironko	1,700	3,300	5,000
	Kacyiru	1,700	3,300	5,000
	Gisozi	1,700	3,500	5,200
Gatsata	1,700	3,400	5,100	

Source: Board Decision No 008/WASAN-RURA/2012