



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

**Prepared by:
Economic Regulation Unit**

TABLE OF CONTENTS

TABLE OF CONTENTS	i
LIST OF TABLES.....	i
LIST OF FIGURES	i
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

LIST OF TABLES

Table 1: Urban water subscribers per province and City of Kigali as of June 2020	1
Table 2: WASAC customers per category of subscribers of June 2020	1
Table 3: Applicable tariffs for WASAC customers by consumption block (VAT exclusive)	2
Table 4: Water supplied, sold and non-revenue water (NRW) as of the second quarter 2020.....	4
Table 5: Rural water tariffs per water system (VAT exclusive).....	5
Table 6: Maximum tariff for solid waste collection and transportation in the City of Kigali	5

LIST OF FIGURES

Figure 1: Trend of WASAC customers from June 2019 to June 2020	2
Figure 2: Water production (m ³) per treatment plant as of the second quarter 2020	3
Figure 3: Trend of non-revenue water (%) from 2 nd quarter 2019 to 2 nd quarter 2020.....	4

PART I. WATER

1. Urban water supply

1.1. Urban water subscribers

As of June 2020, the number of urban and peri-urban water subscribers served by WASAC Ltd increased to 230,190 from 225,989 connections recorded at the end of March 2020. This represents an increase of 1.9 percent. The 51.2% of WASAC connections are in the City of Kigali while 48.8% 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 June 2020

Province	Q1 2020	Q2 2020	Variation (%)
City of Kigali	115,804	117,926	1.8
Southern province	29,093	29,667	2.0
Western province	21,920	22,159	1.1
Northern province	19,293	19,651	1.9
Eastern province	39,879	40,787	2.3
Total	225,989	230,190	1.9

Source: WASAC, June 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 and per-urban water subscribers per customer category.

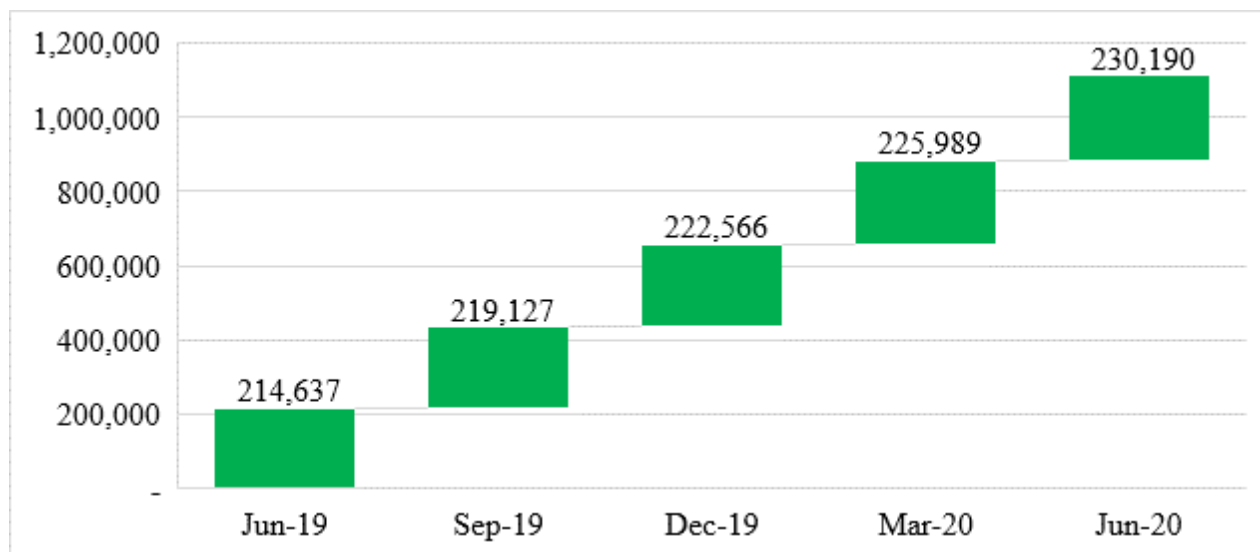
Table 2: WASAC customers per category of subscribers of June 2020

Category of customers	Q1 2020	Q2 2020	variation in %
Residential connections	206,113	210,217	2.0
Non-residential connections	14,990	15,031	0.3
Industrial connections	240	241	0.4
Public standpipes(BF)	4,646	4,701	1.2
Total	225,989	230,190	1.9

Source: WASAC, June 2020

At the end of the quarter under review, 91.3% of urban and peri-urban water subscribers fall under residential category, whereas the remaining 8.7% are in the category of non-residential, industrial, and public standpipes.

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



Source: WASAC, June 2020

At the end of June 2020, the number of customers connected by WASAC Ltd increased to 230,190 from 214,637 recorded at the end of June of the year 2019, representing an increase of 7.2%.

1.2. Urban water tariff

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

Customer category	Monthly consumption block	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

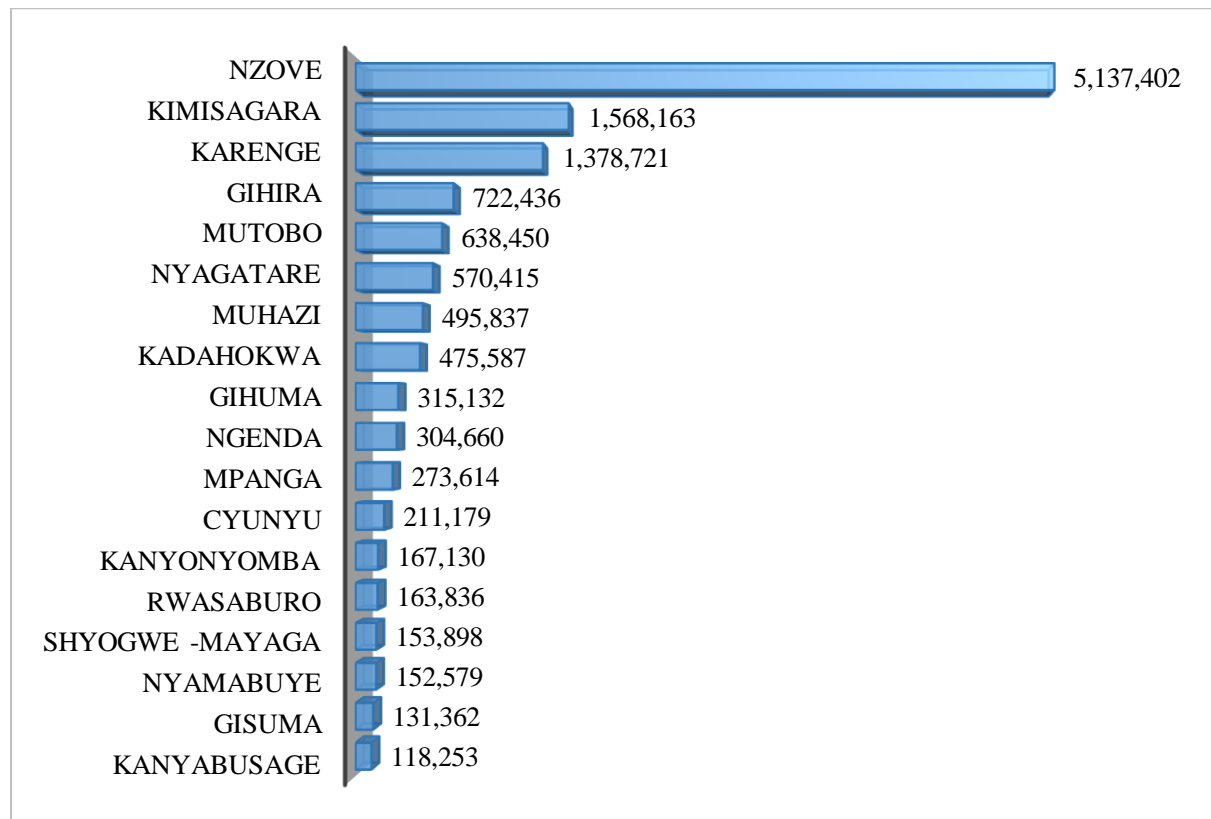
Source: Borad Decision N° 001/BD/WAT/RURA/2019

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 12.9 million cubic meters. The below figure shows the quantity of water produced in the 2nd quarter of year 2020 with respect to water treatment plant.

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



Source: WASAC, June 2020

1.3.2. Water supplied into the network

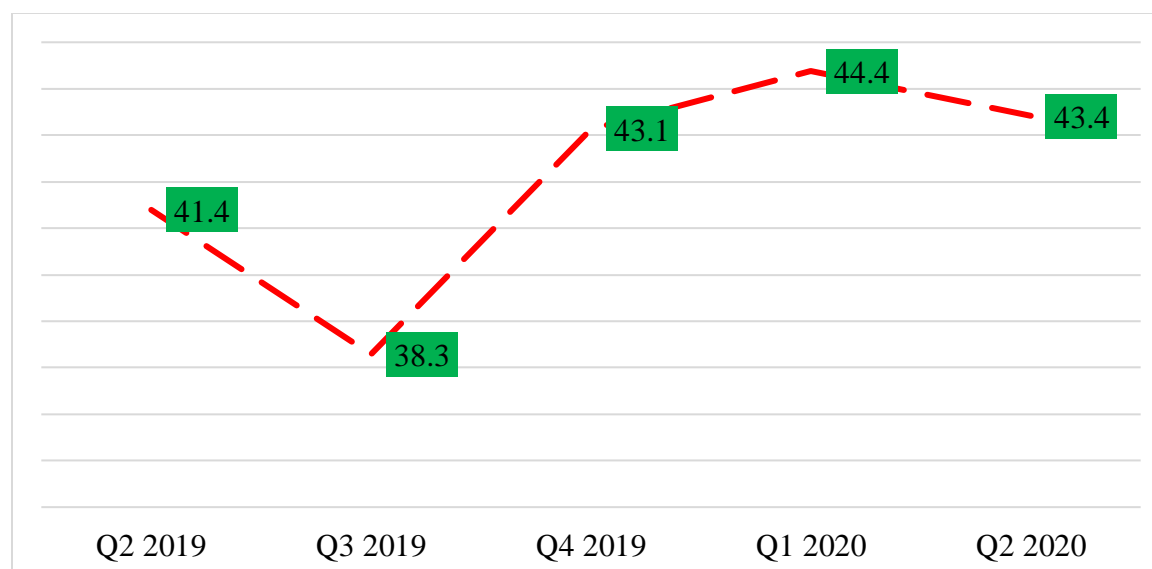
During this quarter under review, the quantity of water supplied into network was 12.2 million cubic meters whereas 6.9 million cubic meters were billed. The difference of 732,524 cubic meter between water produced (12,978,654 m³) and supplied (12,246,129 m³) is an estimated water losses in the WTPs and own use mainly for back washing and network flushing.

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

District	Water supplied(m3)	Water billed (m3)	NRW (m3)	NRW (%)
Kigali city	7,320,792	4,313,360	3,007,432	41.1
Bugesera	462,365	262,392	199,973	43.3
Gicumbi	148,761	83,611	65,150	43.8
Huye	449,612	231,743	217,869	48.5
Karongi	118,205	62,111	56,094	47.5
Muhanga	312,388	164,440	147,948	47.4
Musanze	650,598	395,565	255,033	39.2
Ngoma	158,041	102,809	55,232	34.9
Nyagatare	562,945	220,829	342,116	60.8
Nyamagabe	130,105	92,470	37,635	28.9
Nyanza	183,010	99,688	83,322	45.5
Rubavu	710,296	372,337	337,959	47.6
Ruhango	110,577	52,035	58,542	52.9
Rusizi	211,167	146,867	64,300	30.4
Rwamagana	717,267	329,982	387,285	54.0
Total	12,246,129	6,930,239	5,315,890	43.4

Source: WASAC, June 2020

Figure 3: Trend of non-revenue water (%) from 2nd quarter 2019 to 2nd quarter 2020



Source: WASAC, June 2020

The chart above illustrates that 43.4 percent of water supplied within all branches during the second quarter of the year 2020 was Non-Revenue Water 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: 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

District	Sector	Tariff (Frw) per month for two sacks in a week for household		
		Lower income earners	Middle income earners	Higher income earners
	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
	Rutungu	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