



**KEY STATISTICS IN WATER AND SANITATION SECTOR FOR THE  
PERIOD OF OCTOBER TO DECEMBER 2014**

**Prepared by:  
Economic and Market Analysis Section**

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## SUMMARY

In summary, this report is composed of Water and Sanitation sector; the period under review is from October to December 2014. Improved drinking water sources as defined by World Health Organization/UNICEF Joint monitoring programme include protected springs, public standpipes, water piped into dwelling/yard, boreholes, protected wells and rain water collection<sup>1</sup>. In Rwanda like in other country, we have different sources of drinking water. However, this report presents statistics of only water supplied by Water and Sanitation Corporation (WASAC). The total number of water subscribers was 149,332 as of December 2014 from 145,073 water subscribers recorded in the 3<sup>rd</sup> quarter 2014.

In sanitation sub sector we have 125 licensed cleaning companies and 16 licensed solid waste collection and transportation companies.

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<sup>1</sup> [www.wssinfo.org/definitions-methods](http://www.wssinfo.org/definitions-methods)

## PART I. WATER SUBSECTOR

### 1. Water Subscribers

As of December 2014, the total number of water subscribers is 145,073. These subscribers are distributed along different WASAC stations. 55% of the total customers are in the City of Kigali and 45% are distributed in other provinces. This difference is mainly attributed to the fact that, people in other provinces have other sources of clean water like private Water Service Providers' sources, wells, springs etc.

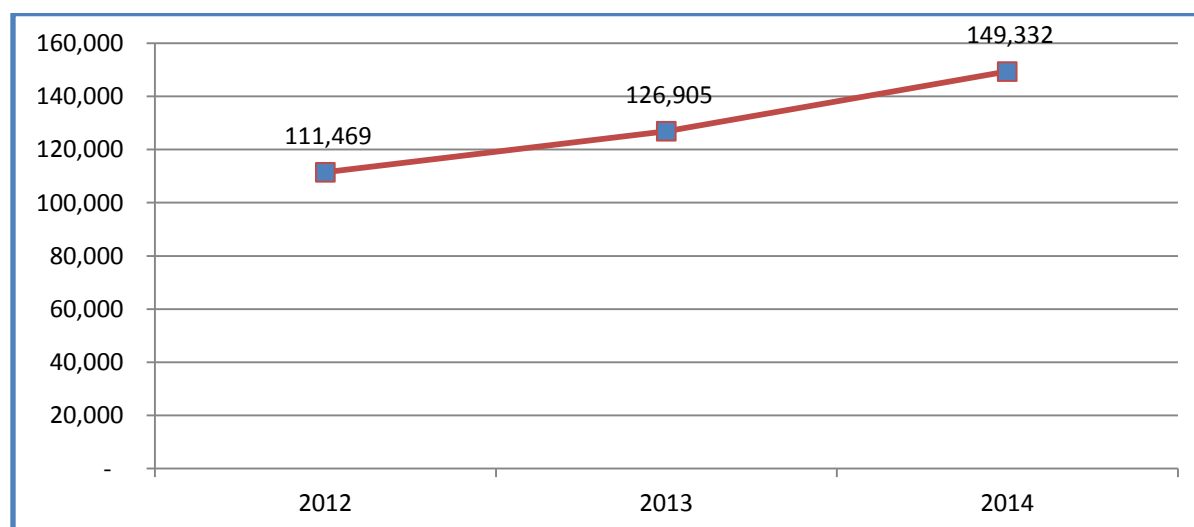
**Table 1: Trend in water subscribers for the last four quarters 2014**

	Q1	Q2	Q3	Q4
<b>Western Province</b>	11,212	11,681	12,505	16,018
<b>Northern Province</b>	12,937	13,494	14,254	11,852
<b>Southern Province</b>	15,250	16,133	16,831	17,379
<b>Eastern Province</b>	19,510	20,237	21,468	22,257
<b>City of Kigali</b>	72,348	77,177	80,015	81,826
<b>Total</b>	131,257	138,722	145,073	149,332

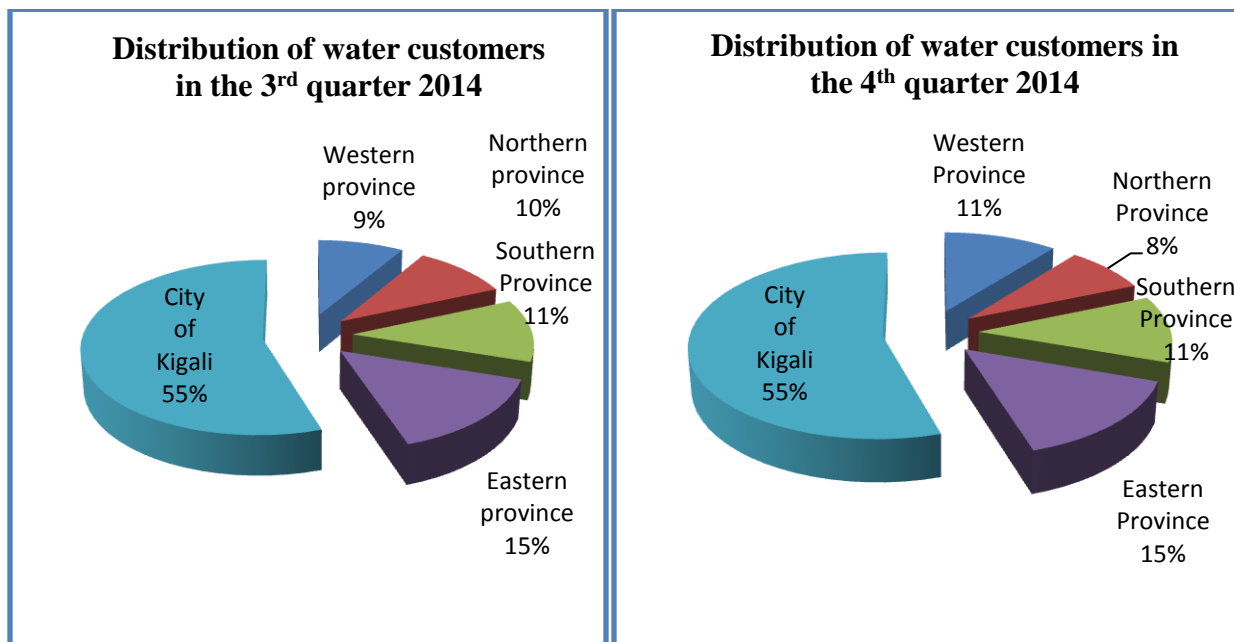
Source: WASAC

Water subscribers increased from 145,073 in third quarter to 149,332 in the fourth quarter, this represents a 3% increase.

**Figure 1: Water Subscribers Trend**



**Figure 2: Distribution of customers across provinces and the City of Kigali as of the last 3<sup>rd</sup> and 4<sup>th</sup> quarter 2014**



In the last two quarters the city of Kigali, Eastern province and the Southern province maintained their customer shares, where as, that of the Northern decreased from 10% to 8% at the expense of the Western Province whose share increased from 9% to 11%.

**Table 2: Water Treatment plants, their installed and production capacity as of December 2014**

Supplied City, Town or Center		Name of water treatment plant	Date of installation/ extension	Installed capacity (m <sup>3</sup> /day)	Current Production m <sup>3</sup> /day	Efficiency
Kigali City	Nyarugenge, Kicukiro, Gasabo	Kimisagara WTP	1981/1988	23,000	22,200	97%
		Sources (Mburabuturo, Rwamapara, Kizanye, Byimana, Gihogwe, Jali)	1975/2004	4,500	5,500	122%
		Nzove WTP	2003	42,000	28,000	67%
		Karengwe WTP	1986/2008	12,000	14,500	121%
Southern	HUYE	Kadahokwa WTP	1982/2005	4,450	4,900	110%

	MUHANGA	Gihuma WTP	1987	1,930	2,200	114%
	NYANZA & RUHANGO	Mpanga WTP	1984/2006	1,100	1,247	113%
	NYAMAGABE	Gisuma WTP	1987/2005	576	1,212	210%
	NYARUGURU	Nyabimata WTP	2013	1500	1,510	101%
	NYARUGURU	Mata wtp	2013	500	450	90%
Western	RUBAVU	Gihira WTP	1987	7,400	9,000	122%
	RUSIZI	Cyunyu WTP	1987	1,300	1,250	96%
	RUSIZI	Ruhondo source	2010	500	650	130%
	RUSIZI	Kibonabose	2013	400	450	113%
	RUSIZI	Gashyha- Muganza	2014	1,500	1,600	107%
	KARONGI	Rubengera Source	2012	500	550	110%
	KARONGI	Kanyabusage WTP	1986	420	786	187%
Northern	MUSANZE	Mutobo WTP	1987	12,500	12,000	96%
	GICUMBI	Miyove - Rusekera	2013	150	135	90%
	GICUMBI	Nyamabuye WTP	1988	850	1,063	125%
	RULINDO	Cyungo - Rukozi	2013	150	182	121%
Eastern	RWAMAGANA	Muhazi WTP	1986/2004	1,200	3,000	250%
	KAYONZA	Kazabazana	2013	400	390	98%
	KAYONZA	Cyatokwe	2013	600	680	113%
	BUGESERA	Ngenda WTP	1998/2014	2,400	3,500	146%
	BUGESERA	Rwakibilizi	2012	300	380	127%
	NGOMA	Rwasaburo WTP	1986	500	625	125%
	NGOMA	Bunono	2009	500	725	145%
	GATSIBO	Rwasama	2013	250	305	122%
	GATSIBO	Rwobe - Gashure	2013	150	155	103%
	GATSIBO	Kanwiriri	2013	150	185	123%
	GATSIBO	Byimana	2013	250	256	102%
	GATSIBO	Rwabigeyo	2013	500	635	127%
	GATSIBO	NKG	2013	50	55	110%
	NYAGATARE	Cyondo	1998	1500	2,106	140%
	NYAGATARE	Gihengeri	1998	1500	2,220	148%
	NYAGATARE	Nyabwishongwezi	2002	250	220	88%
NYAGATARE	Tovu	2006	600	585	98%	

	Average Total production: m3/day				128,326	125,407	98%
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Source: WASAC

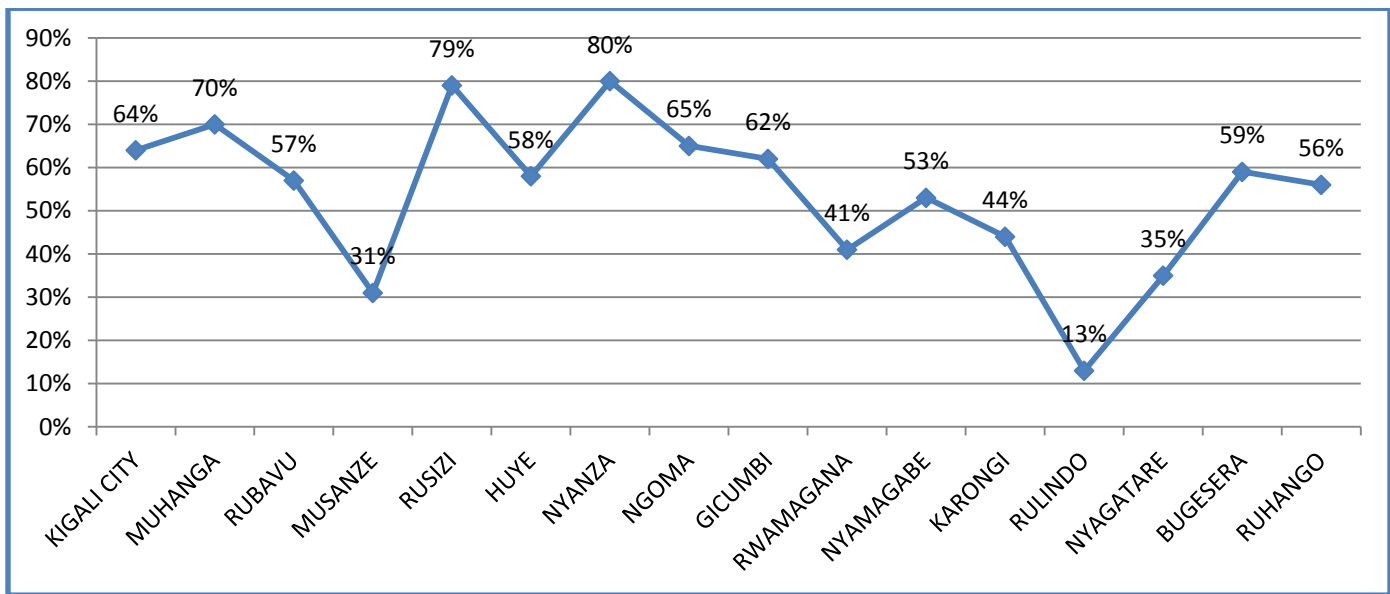
In the quarter under review, the number of water treatment plants remained the same (i.e.38 plants). These treatment plants have the total installed capacity of 128,326 m<sup>3</sup> per day with current production capacity of 125,407 m<sup>3</sup> per day, which represents 98% of production efficiency.

## 2. Water supplied & Billed

**Table 3: Water supplied, Water billed, loss and efficiency**

	Q2									
	Supplied Water (m3)				Billed Water (m3)				Loss (m3)	Efficiency
	14-Oct	14-Nov	14-Dec	Total	14-Oct	14-Nov	14-Dec	Total		
KIGALI CITY	1,855,749	1,818,128	1,875,013	5,548,890	1,189,979	1,220,164	1,132,371	3,542,514	2,006,376	64%
MUHANGA	66,390	64,165	66,868	197,423	48,914	53,921	36,297	139,132	58,291	70%
RUBAVU	231,039	244,048	237,389	712,476	123,513	154,562	125,179	403,254	309,222	57%
MUSANZE	326,915	303,176	346,150	976,241	100,193	110,073	89,213	299,479	676,762	31%
RUSIZI	63,062	61,006	70,186	194,254	52,714	54,155	46,296	153,165	41,089	79%
HUYE	151,463	165,026	164,829	481,318	84,570	109,898	83,815	278,283	203,035	58%
NYANZA	32,070	31,451	31,760	95,281	27,228	27,307	22,150	76,685	18,596	80%
NGOMA	38,908	40,119	39,975	119,002	25,851	26,875	24,163	76,889	42,113	65%
GICUMBI	38,584	37,956	38,961	115,501	22,576	25,104	24,275	71,955	43,546	62%
RWAMAGANA	163,475	159,878	163,775	487,128	75,300	68,184	57,029	200,513	286,615	41%
NYAMAGABE	58,658	53,832	76,442	188,932	37,215	36,120	27,739	101,074	87,858	53%
KARONGI	47,337	46,518	58,857	152,712	23,519	22,387	20,968	66,874	85,838	44%
RULINDO	3,111	3,981	4,559	11,651	705	479	337	1521	10,130	13%
NYAGATARE	152,649	149,692	151,115	453,456	55,457	53,638	47,834	156,929	296,527	35%
BUGESERA	98,475	88,914	92,675	280,064	61,170	53,442	51,423	166,035	114,029	59%
RUHANGO	21,685	19,543	19,398	60,626	13,789	11,226	9,056	34,071	26,555	56%
<b>Total</b>	<b>3,349,570</b>	<b>3,287,433</b>	<b>3,437,952</b>	<b>10,074,955</b>	<b>1,942,693</b>	<b>2,027,535</b>	<b>1,798,145</b>	<b>5,768,373</b>	<b>4,306,582</b>	<b>57%</b>

**Table 4: Water losses fourth Quarter 2014**



The difference between water supplied and billed constitutes water losses. From the table above, it is observed that Water supplied in WASAC network is 10,431,401M<sup>3</sup> total water billed is 6,323,584M<sup>3</sup>. This shows that 39% of water supplied is lost due to technical problems and commercial setbacks. The technical problems are mainly related to worn out water networks.

**Table 5: Applicable tariff by consumption block (VAT inclusive)**

Category	Tariff(Frw)
<b>Public Taps</b>	240
<b>0-5 m<sup>3</sup></b>	240
<b>6-20 m<sup>3</sup></b>	300
<b>21-50 m<sup>3</sup></b>	400
<b>51-100 m<sup>3</sup></b>	650
<b>&gt; 100 m<sup>3</sup></b>	740
<b>Industries</b>	593

Source: WASAC

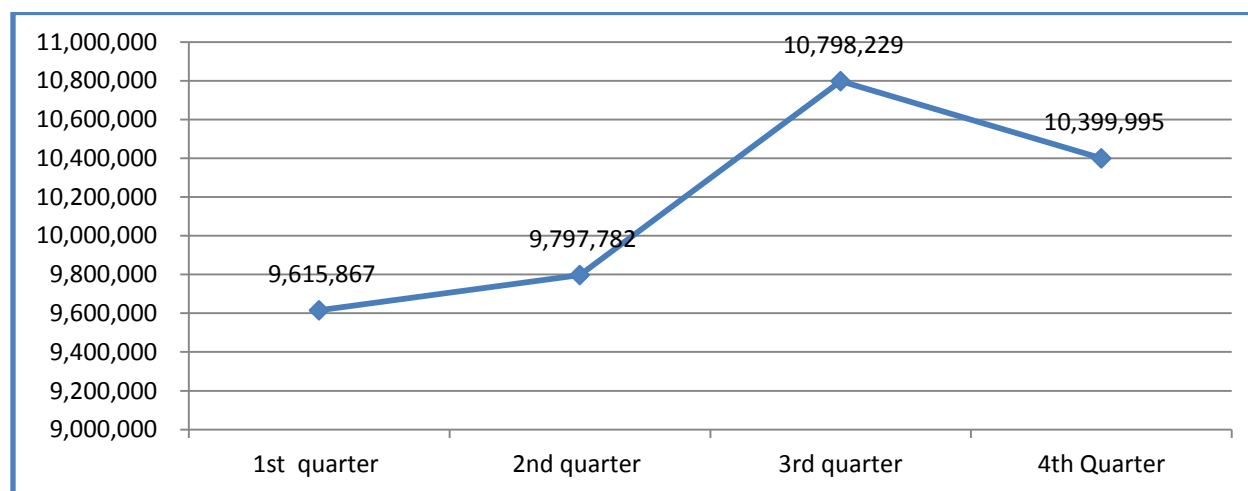
Since 2008 up to date, the tariffs for water have remained unchanged for all water consumption blocks.



**Table 6: Water production in the fourth Quarter 2014 (M<sup>3</sup>)**

<b>WTP</b>	<b>14-Oct</b>	<b>14-Nov</b>	<b>14-Dec</b>	<b>Total</b>
<b>Kimisagara</b>	785,571	752,766	768,711	2,307,048
<b>Karenge</b>	454,061	439,240	447,528	1,340,829
<b>NZOVE</b>	773,676	761,340	810,318	2,345,334
<b>Kadahokwa</b>	154,210	167,967	167,966	490,143
<b>Gihira</b>	245,647	257,703	244,240	747,590
<b>Mutobo</b>	326,973	303,225	346,180	976,378
<b>Gihuma</b>	75,542	71,343	74,591	221,476
<b>Cyunyu</b>	53,232	51,609	60,354	165,195
<b>Gisuma</b>	38,670	37,196	38,136	114,002
<b>Mpanga</b>	47,019	47,328	46,912	141,259
<b>Muhazi</b>	95,436	95,462	100,265	291,163
<b>Rwasaburo</b>	38,939	40,149	40,005	119,093
<b>Kanyabusage</b>	47,427	46,596	58,857	152,880
<b>Nyamabuye</b>	36,046	34,771	35,805	106,622
<b>Nyagatare</b>	152,649	149,692	151,115	453,456
<b>Ngenda</b>	102,267	92,818	95,397	290,482
<b>Miyove-Rusekera</b>	2,558	3,205	3,187	8,950
<b>Mata</b>	11,449	13,459	15,730	40,638
<b>Nyabimata</b>	10,287	4,951	28,003	43,241
<b>Cyungo-Rukozo</b>	3,111	3,981	4,559	11,651
<b>Kibonabose</b>	11,020	10,495	11,050	32,565
<b>Total</b>	<b>3,465,790</b>	<b>3,385,296</b>	<b>3,548,909</b>	<b>10,399,995</b>

**Figure 3: Water production trend in 2014**



## PART II. SANITATION SUBSECTOR

There is an increased need of proper hygiene in the City of Kigali and other parts of the country. To achieve this, there is need of professional and competitive companies to offer these services. It is in this regard, that Cleaning and Solid waste and transportation companies' numbers have continued to increase as it is depicted in table 7 and table 8.

### CLEANING SERVICES

**Table 7: List of newly licensed cleaning companies in the fourth quarter 2014**

	NAME OF THE COMPANY	DATE OF LICENSING	EXPIRY DATE
1	LE GEANT BUSINESS GROUP-GBG Ltd	01 <sup>st</sup> October 2014	01 <sup>st</sup> October 2016
2	SPOTICO Ltd	13 <sup>st</sup> October 2014	13 <sup>th</sup> October 2016
3	BATIMENT CIVIL Ltd	20 <sup>th</sup> October 2014	20 <sup>th</sup> October 2016
4	FOREFRONT SERVICES Ltd	10 <sup>th</sup> November 2014	10 <sup>th</sup> November 2016
5	BLESSED SISTERS LTD	10 <sup>th</sup> November 2014	10 <sup>th</sup> November 2016
6	KA&CLD COMPANY Ltd	10 <sup>th</sup> November 2014	10 <sup>th</sup> November 2016
7	FAIR SERVICES	17 <sup>th</sup> November 2014	17 <sup>th</sup> November 2016
8	N PROPERTY AND CLEANING COMPANY Ltd	24 <sup>th</sup> November 2014	24 <sup>th</sup> November 2016
9	NJF GENERAL BUSINESS Ltd	27 <sup>th</sup> November 2014	27 <sup>th</sup> November 2016
10	G&B INVESTMENT GROUP Ltd	23 <sup>rd</sup> December 2014	23 <sup>th</sup> December 2016
11	ENVIROCARE CONSULTANTS Ltd	30 <sup>th</sup> December 2014	30 <sup>th</sup> December 2016
12	HOMELAND EXECUTIVE SERVICES Ltd	30 <sup>th</sup> December 2014	30 <sup>th</sup> December 2016
13	ORIENT GROUP Ltd	30 <sup>th</sup> December 2014	30 <sup>th</sup> December 2016

The number of licensed cleaning companies increased from 112 as of September 2014 to 125 as of December 2014, this represents an increase of 11.6%. This increase is attributed to RURA campaigns to public institutions to make the cleaning license a condition for operators to get cleaning contracts in these institutions.

### **SOLID WASTE COLLECTION AND TRANSPORTATION**

One operator in solid waste collection and transportation was licensed in the quarter under review namely G.A.P.M in Northern Province in GICUMBI district.

**Table 8: New Licensed operator in solid waste collection and transportation as of the fourth quarter 2014**

		<b>PROVINCE</b>	<b>DISTRICT OF OPERATION</b>	<b>DATE OF LICENSING</b>	<b>EXPIRY DATE</b>
<b>1</b>	G.A.P.M	Northern	Gicumbi District	20 <sup>th</sup> /10/2014	07 <sup>th</sup> /11/2017

The number of licensed solid waste collection and transportation companies increased by 6.7% from 15 as of September 2014 to 16 as of December 2014.