



**KEY STATISTICS IN ELECTRICITY SUB-SECTOR AS OF
JUNE OF THE YEAR 2016**

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1. SUMMARY

This report is composed of data from electricity sub-sector for the period from April to June of the year 2016. The total number of electricity subscribers increased by 2 % from 572,891 recorded in the first quarter of the year 2016 to 581,615 recorded in this quarter under review. The City of Kigali has the largest subscriber's share of 32% followed by the Eastern Province that has 21%. The Western Province has 17%, the Southern Province has 18% share and the Northern Province has 12% in the quarter under review.

In the second quarter of the year 2016, national electricity production both on grid and off grid increased by 50% from 104,067,557 kWh recorded in the first quarter to 156,586,484kWh recorded in this quarter, this increase is backed by the increase in the production of on grid power plant production despite the rise in off grid production.

Electricity imports decreased by 21% from 15,268,962 kWh for the first quarter of the year 2016 to 15,268,962 kWh in the second quarter of the year 2016. Electricity exports in this quarter under review decreased from 1,245,012kWh recorded in the first quarter of the year 2016 to 1,134,973kWh in the second quarter of the year 2016.

2. ELECTRICTY SUBSCRIPTIONS

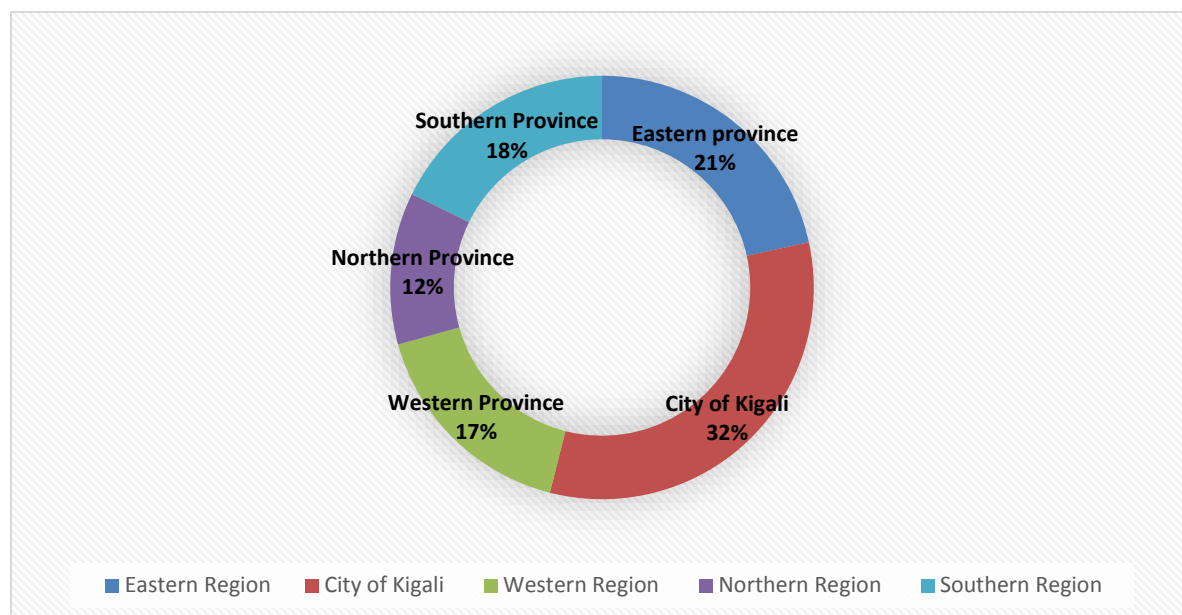
Table 1: Electricity subscribers by Region as of the last two quarters

Name of the region	16-Mar	16-Jun	Variation (%)
Eastern Province	124,839	125,475	0.5
City of Kigali	187,880	188,377	0.3
Western Province	96,662	97,120	0.5
Northern Province	67,267	67,540	0.4
Southern Province	96,243	103,103	7.1
Total	572,891	581,615	

Source: EUCL-REG

The total number of subscribers increased from 572,891 in the 1st quarter of the year 2016 to 581,615 in the 2nd quarter of the year 2016, this represents an increase of 2%. This increase is mainly attributed to the Government Electricity Rollout plan which is sponsored by Electricity Access Rollout Program (EARP) and the new infrastructure that comes up.

Figure 1: Distribution of customers across Provinces and the City of Kigali as of June 2016



Source: EUCL-REG

Please Change Region to Province

Figure 2: Trend in electricity subscriptions from 2013 – to June 2016

Source: EUCL-REG

3. ELECTRICITY PRODUCTION

1. On grid production

Table 2: On grid electricity production as of the second quarter 2016 in kWh

	On grid power plant	Apr-16	May-16	Jun-16	Total
1	Ntaruka	51,000	17,000	1,487,000	1,555,000
2	Mukungwa	4,476,507	3,106,422	1,351,280	8,934,209
3	Gisenyi	338,163	464,554	645,372	1,448,089
4	Gihira	976,080	1,089,268	842,212	2,907,560
5	Rukarara 1	4,796,400	2,169,600	3,258,500	10,224,500
6	Murunda	37,313	54,244	58,441	149,998
7	Rugezi	281,723	170,556	123,540	575,819
8	Keya	234,000	0	422,761	656,761
9	Cymbili	103,500	115,300	75,300	294,100
10	Mazimeru	209,034	293,634	228,220	730,888
11	Nkora	274,300	252,100	169,195	695,595
12	Jabana I	14,500	89,600	149,540	253,640
13	Jabana II	2,830,528	2,505,536	5,576,096	10,912,160
14	Methane Gas	453,632	0	0	453,632
15	Jali Solar	14,239	14,953	14,268	43,460
16	Musarara	0	114,781	263,538	378,319
17	Mukungwa 2	1,178,298	715,908	419,022	2,313,228
18	Rukarara 2	4,796,400	1,419,488	1,084,322	7,300,210
19	Gishoma			1,377,475	1,377,475
20	Giciye2		619,456	983,681	1,603,137
21	Giciye1	274,300	619,456	974,454	1,868,210
22	GigaWatt Global	1,051,960	1,177,580	1,220,762	3,450,302

23	Nyabarongo 1	11,496,100	14,354,900	8,812,400	34,663,400
24	Kivu Watt	15,419,550	16,996,185	14,138,929	46,554,664
25	SES KSEZ	1,547,088	2,017,938	2,883,543	6,448,569
	Subtotal 1	50,854,615.7	48,378,458.5	46,559,851	145,792,925

Source: EUCL-REG

The total on grid electricity production increased by 54% from 94,918,254 kWh recorded in the first quarter of the year 2016 to 145,792,925kWh recorded in the second quarter of the year 2016.

2. Off grid production

Table 3: Off grid power plants and their Production per quarter 2016 in kWh

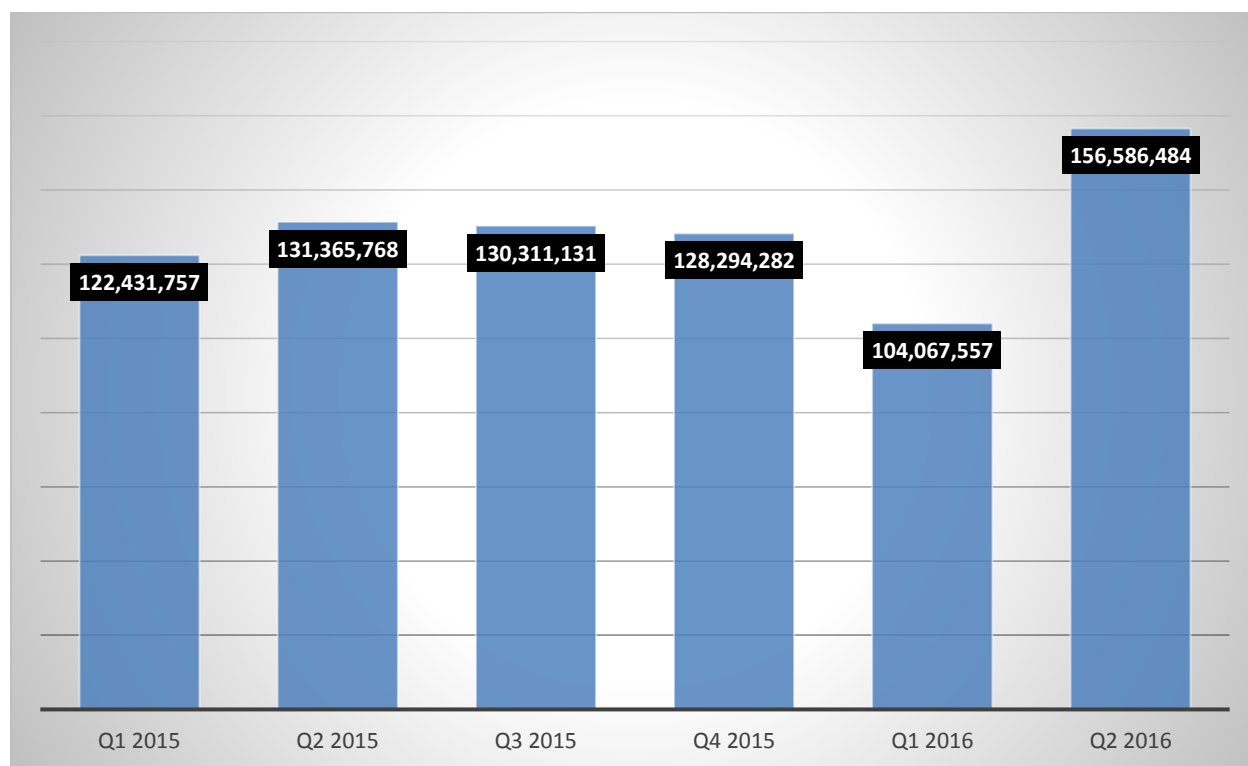
	Mar-16	June-16
Janja		11,996
Agatobwe	40,038	37,376
Mutobo	17,838	16,515
SES CIMERWA	9,091,426	10,727,672
Total	9,149,302	10,793,559

Source: EUCL-REG

Electricity off-grid production increased from 9,149,302kWh recorded in 1st quarter of the year 2016 to 10,793,559kWh recorded in the 2nd quarter of the year 2016.

3. Total national production

Figure 3: Trend in Electricity National Production per quarter in kWh



4. ELECTRICITY IMPORTS AND EXPORTS

1. Import

Table 4: Imported Electricity as of the last two quarter (unit)

Plant name/Tie point	March 2016	June 2016
Ruzizi I	4,355,200	4,464,950
Ruzizi II	10,446,000	13,480,000
Kabale (UEB)	467,762	565,464
Total	15,268,962	18,510,414

Source: EUCL-REG

Total electricity import in this quarter under review to showed an increasing trend whereby they went up from 15,268,962kWh for the 1st quarter of the year 2016 to 18,510,414 kWh in the 2nd quarter of the year 2016, this represents an increase of 21%.

2. Exports

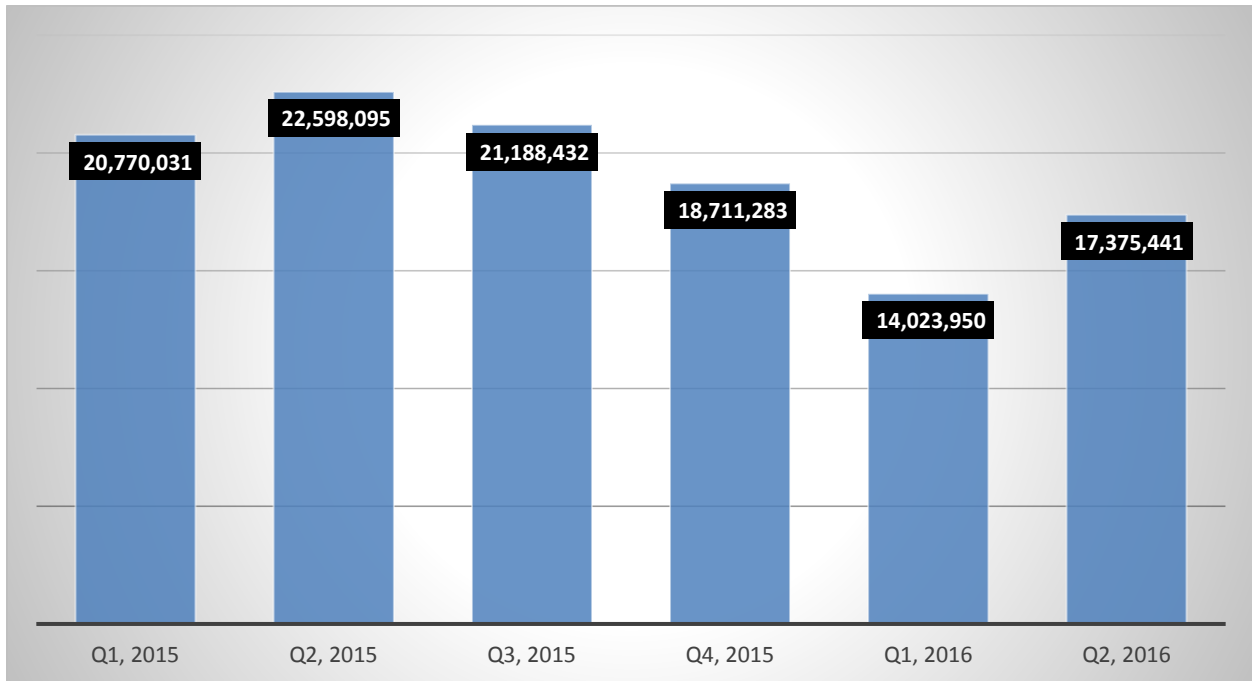
Table 5: Exported Electricity per quarter 2016 in kWh

	Tie point	Mar-16	June 2016
1	Cyanika - Gisoro	931,012	968,973
3	Mururu II	314,000	166,000

Total	1,245,012	1,134,973

Source: EUCL-REG

Figure 4: Net electricity imports per quarter



Source: EUCL-REG

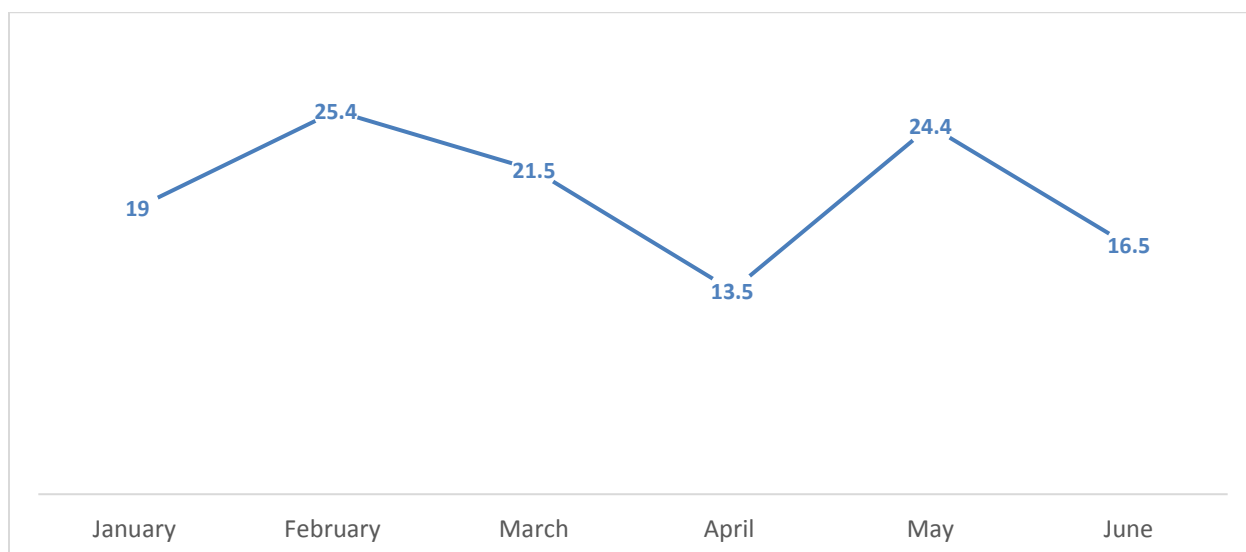
Net electricity imports are the difference between electricity exports and imports. In this quarter, net electricity imports increased by 24% from 14,023,950kWh recorded in the first quarter of the year 2016 to 17,375,441kWh recorded in the second quarter of the year 2016.

Table 6: Total electricity Supplied, Billed and the Difference as of 30th June 2016 in (Unit)

	Mar-16	June-2016
Supplied	165,491,430	171,171,759
Billed	129,402,629	139,822,354
Difference	36,088,801	31,349,354

Source: EUCL-REG

Figure 5: Technical and non-Technical Losses from January to June 2016(in %)



Source: EUCL-REG

Table 7: Applicable end user tariffs

Customer category	Existing tariff			New tariff, VAT exclusive Frw/Kwh		
	Demand+ Energy Rwf/Kwh	Standing Frw/ Kwh	Reactive Frw/Kwh	Demand + Energy Rwf/Kwh	Standing Frw/ Kwh	Reactive Frw/Kwh
Medium Voltage	126	123	126	126	10,000	126
Low Voltage (Residential & Non Residential)	182	-	-	134	-	-

Source: N° 001/BD/ICA-CLIA/RURA 2016

5. INDEPENDENT POWER PRODUCERS (IPPs)

There are two types of licenses issued in the electricity sector, the provisional license and full license.

Table 8: Licensed operators with full licenses (generation) as of June 2016

Licensed Company	Plant	Installed Capacity (MW)
Ngali Energy Ltd	Rukarara	I, 9 MW
GIGAWATT Global	Rwamagana Solar Plant	????
REGROPOWER	Kavu Mwange Mini Hydro	?????
YUMIN Ltd	Peat fired	80 MW
Rwanda Mountain Tea	Giciye I	?????
Rwanda Mountain Tea	Giciye II	????
EUCL	Power Transmission	Are not generation license (see Title)
EUCL	Power Distribution	
EUCL	Power Domestic Trade	
EUCL	Power International Trade	

Source: RURA database

Table 9: Provisional Licensed operators as of June 2016

i. Provisional Licensed Issued (Same format as the previous table)

Name of the Licensed Company	Plant Name and its Installed Capacity/Type of License
Ngali Energy Ltd	Ntaruka A, Rwondo, Base 1, Base 2 and Ngororero

Source: RURA database