

# Power Sector Report: Energy Generated and Sent Out and Consumed and Load Allocation

(Q4 2017)

Report Date: February 2018

*Data Source: National Bureau of Statistics / Nigerian Electricity Regulatory Commission*

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# Executive Summary

The power generation statistics for Q4 2017 reflected that a total average of 94,627 MWh of energy was generated daily by power stations.

Daily energy generation attained a peak of 105,152 MWh on the 8th of December 2017. Thermal stations generated 84,026 MWh of this while the hydro stations generated 21,126 MWh.

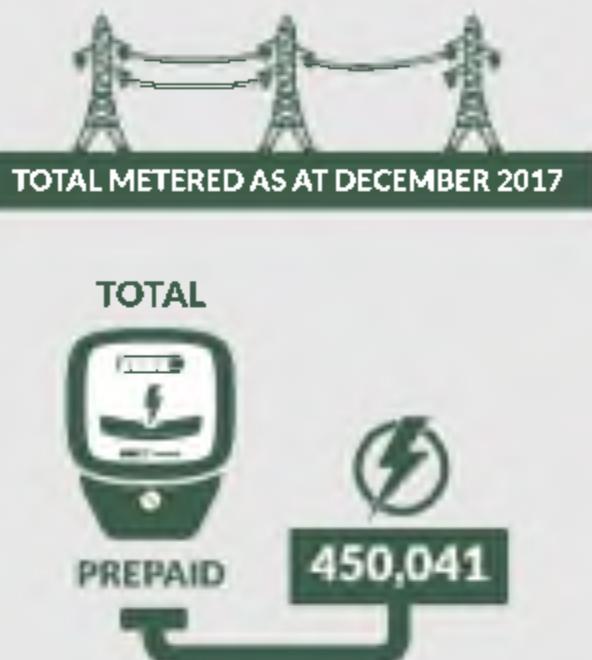
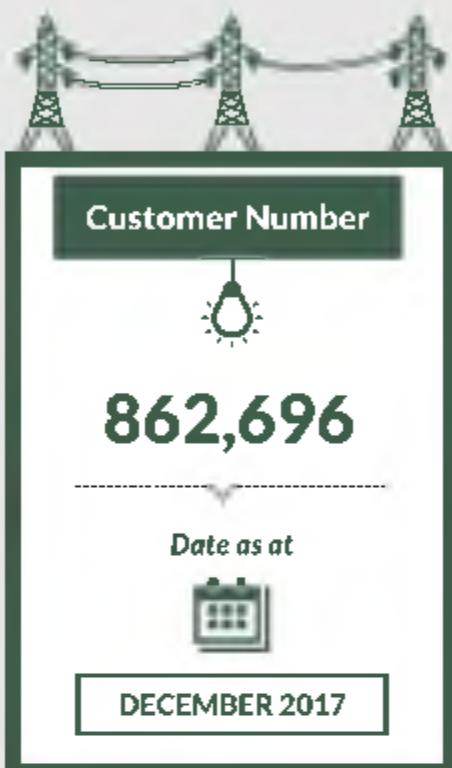
However, the lowest daily energy generation, 73,246, was attained on 18 October 2017 as thermal stations generated 55,941 MWh of this while the hydro stations generated the remaining 17,305 MWh.

Metering data for all discos reflected that 3.45m customers, representing 46.16% of the total 7.48m customer captured has been metered. Benin Disco has the highest percentage of customer metered with 69.49% recorded. This is closely followed by Eko Disco with 60.73% and Ikeja Disco with 55.95% respectively while Yola and Enugu Discos recorded the least percentage of customers metered with 23.61% and 27.72% recorded respectively.

## Metering Position For All Discos As At December 31, 2017



Abuja Disco



THREE PHASE



SINGLE PHASE

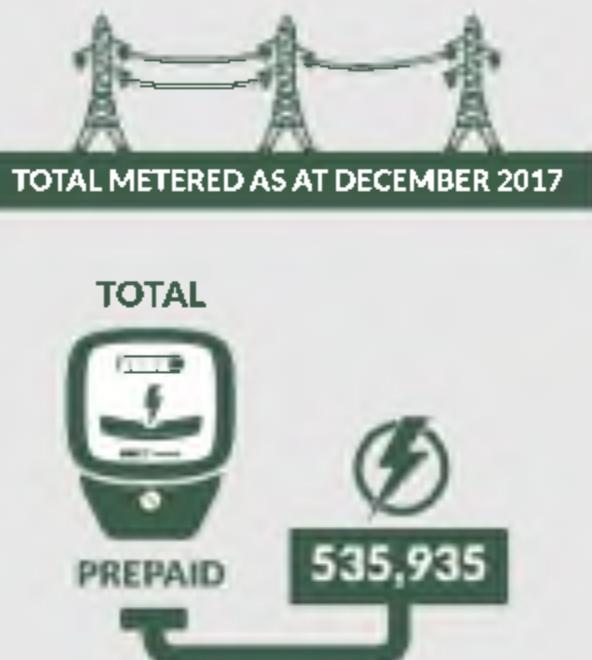
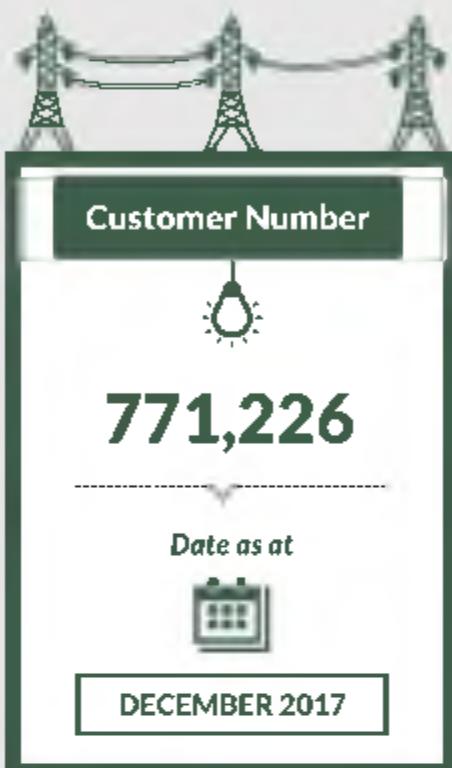


Abuja Disco

## Metering Position For All Discos As At December 31, 2017



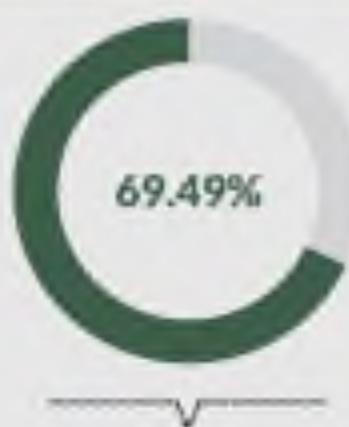
Benin Disco



THREE PHASE



SINGLE PHASE



Benin Disco

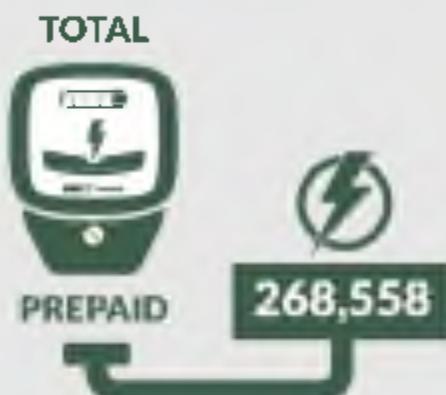
## Metering Position For All Discos As At December 31, 2017



Eko Disco



TOTAL METERED AS AT DECEMBER 2017



THREE PHASE



PERCENTAGE OF CUSTOMERS METERED



SINGLE PHASE

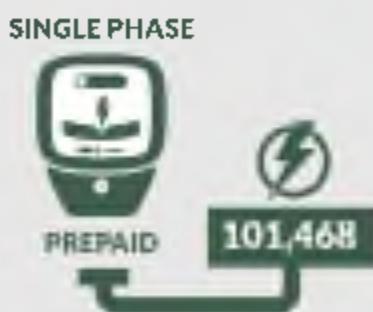
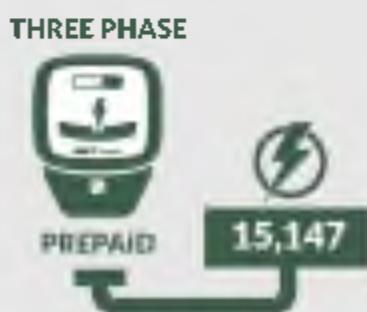
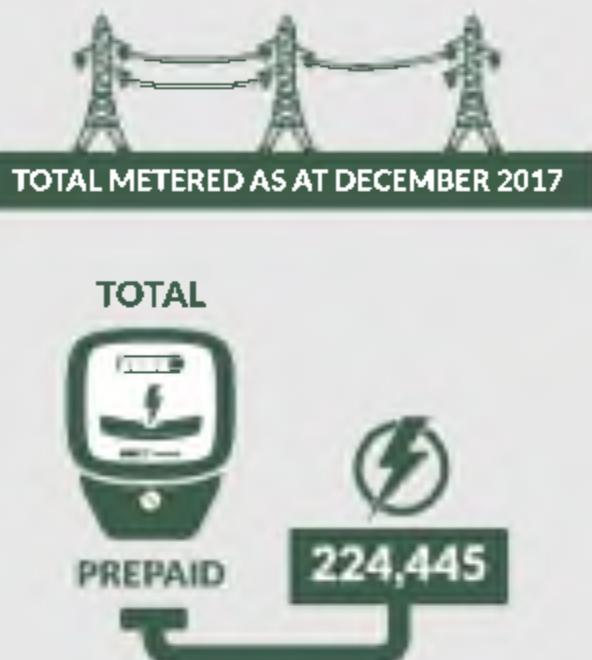
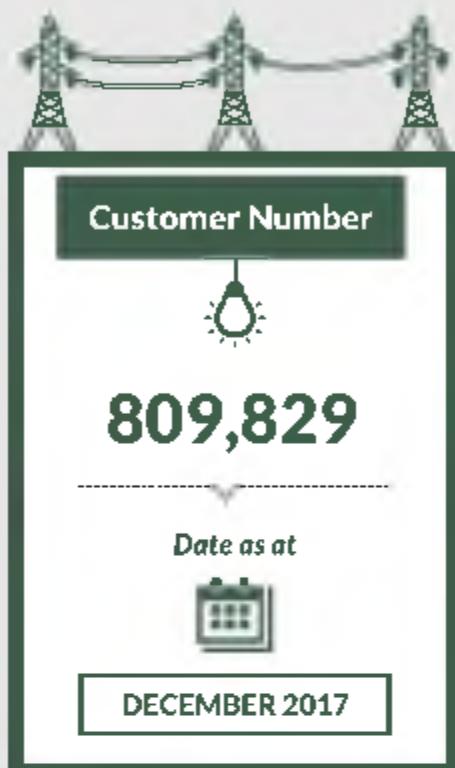


Eko Disco

## Metering Position For All Discos As At December 31, 2017



Enugu Disco

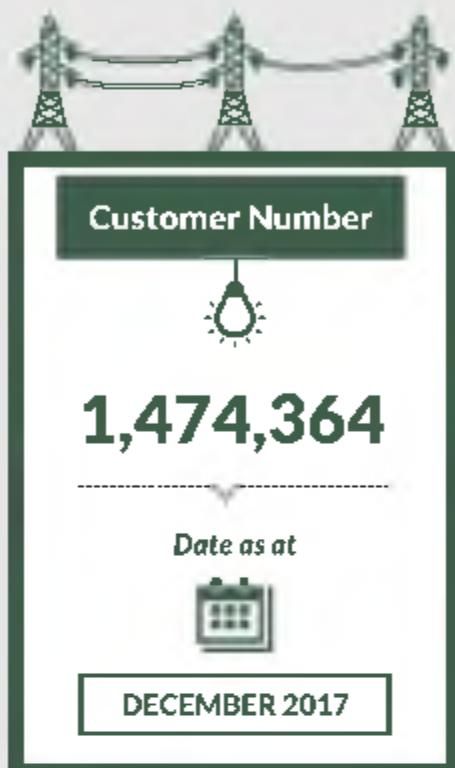


Enugu Disco

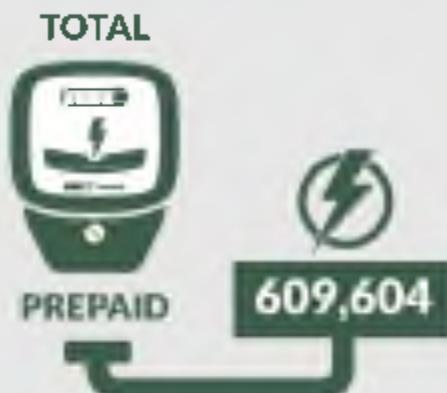
## Metering Position For All Discos As At December 31, 2017



Ibadan Disco



TOTAL METERED AS AT DECEMBER 2017



THREE PHASE



PERCENTAGE OF CUSTOMERS METERED



SINGLE PHASE

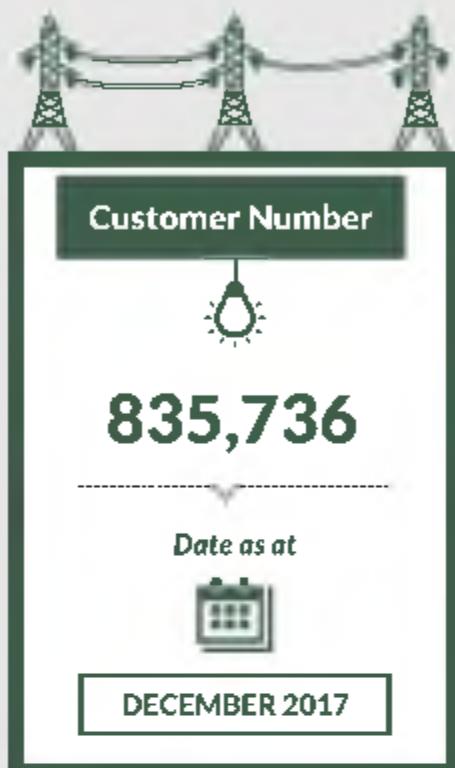


Ibadan Disco

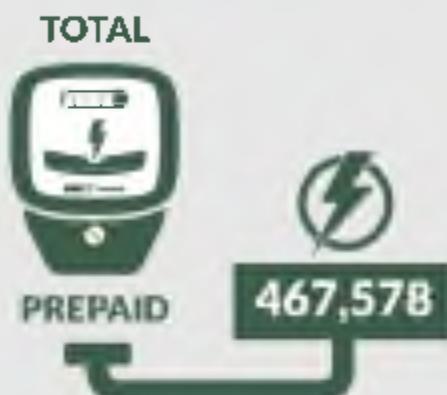
## Metering Position For All Discos As At December 31, 2017



Ikeja Disco



TOTAL METERED AS AT DECEMBER 2017



THREE PHASE



PERCENTAGE OF CUSTOMERS METERED



SINGLE PHASE

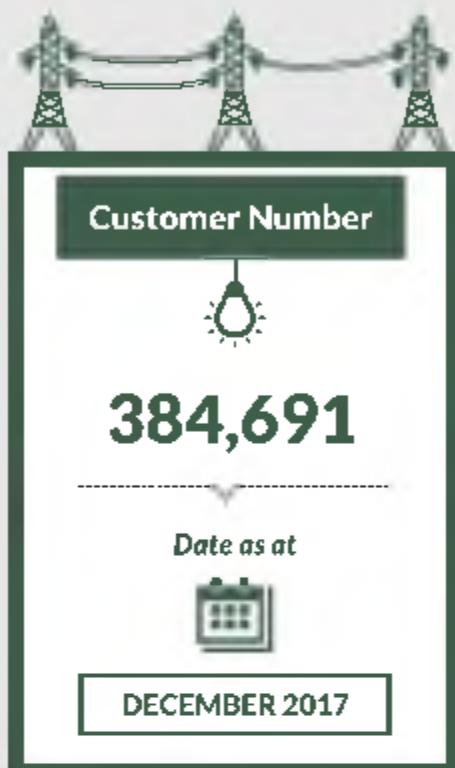


Ikeja Disco

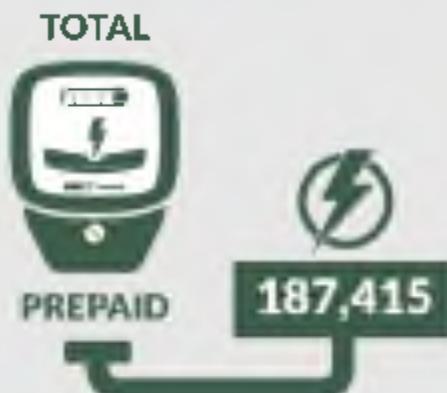
## Metering Position For All Discos As At December 31, 2017



Jos Disco



TOTAL METERED AS AT DECEMBER 2017



THREE PHASE



PERCENTAGE OF CUSTOMERS METERED



SINGLE PHASE

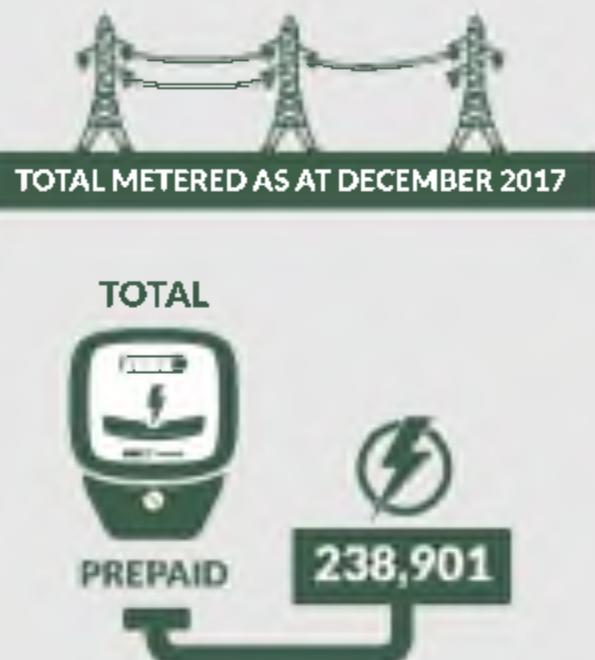
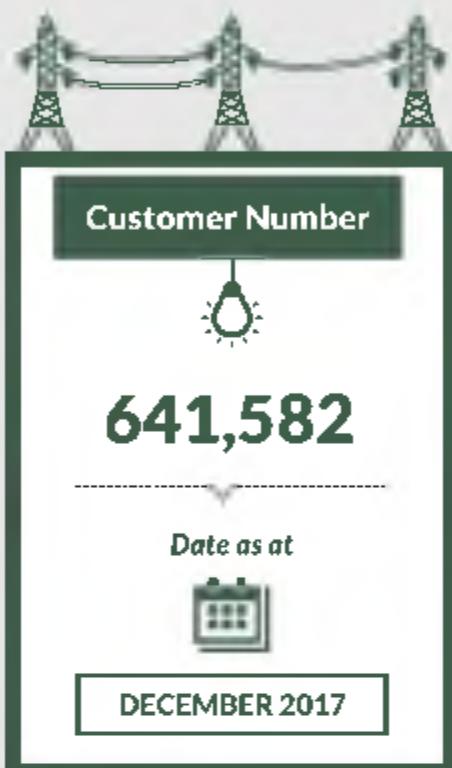


Jos Disco

## Metering Position For All Discos As At December 31, 2017



### Kaduna Disco



#### THREE PHASE



#### SINGLE PHASE

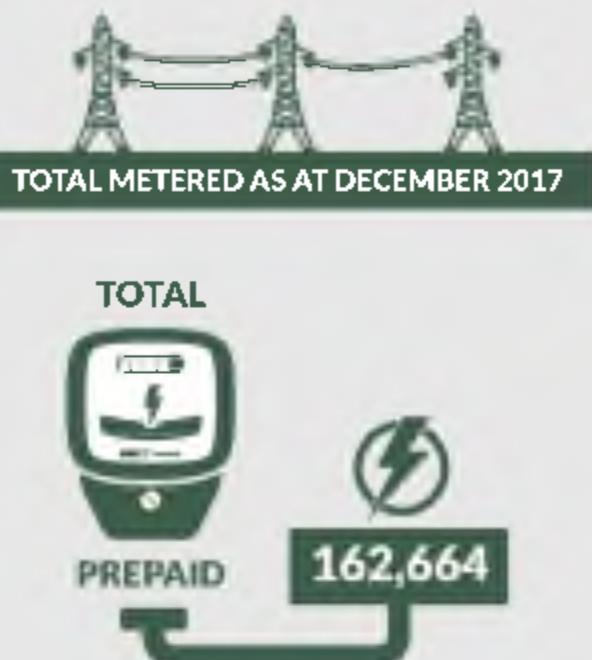
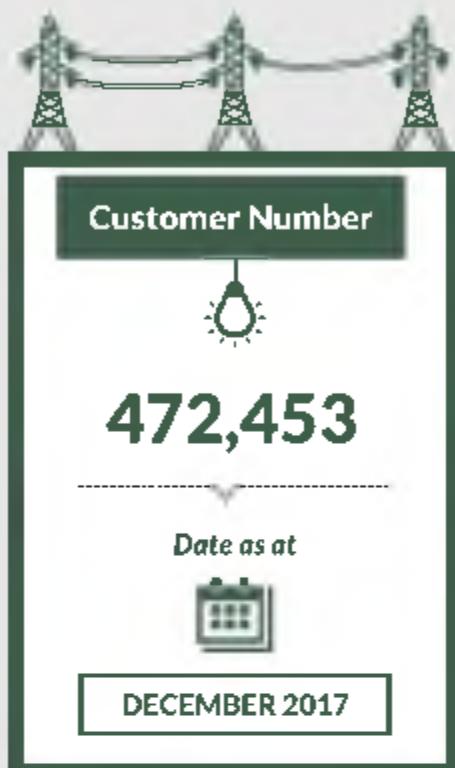


**Kaduna Disco**

## Metering Position For All Discos As At December 31, 2017



Kano Disco



THREE PHASE



SINGLE PHASE



Kano Disco

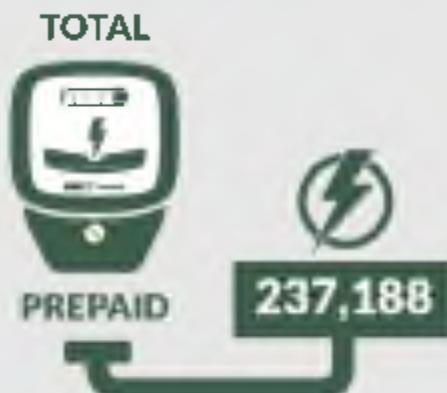
## Metering Position For All Discos As At December 31, 2017



### Port Harcourt Disco



TOTAL METERED AS AT DECEMBER 2017



### THREE PHASE



PERCENTAGE OF CUSTOMERS METERED



### SINGLE PHASE

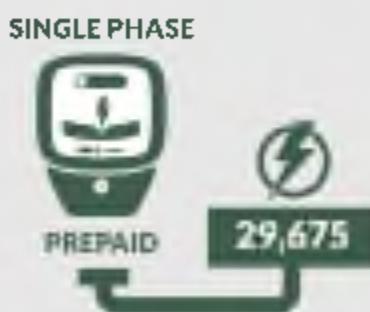
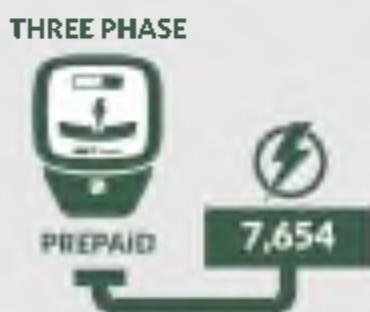
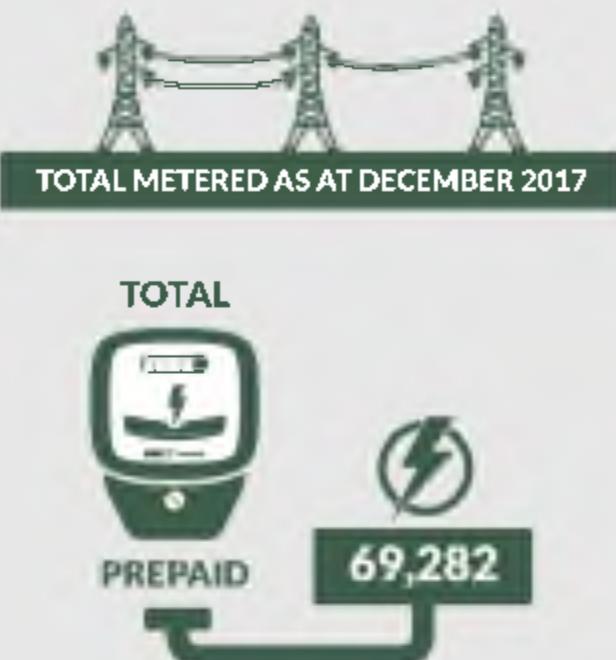
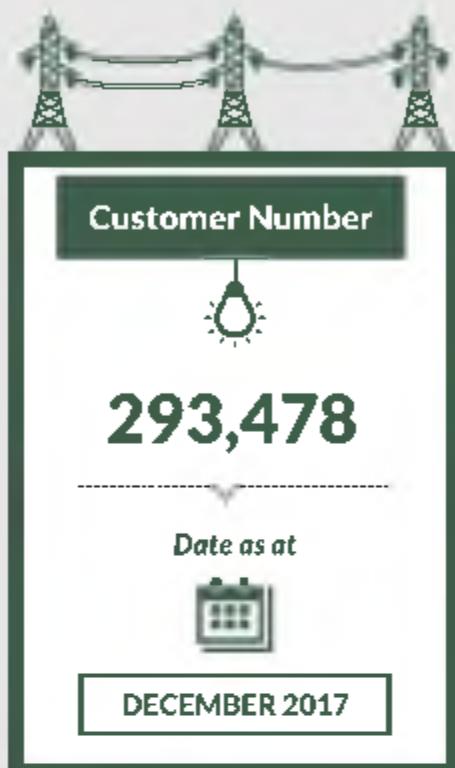


Kano Disco

## Metering Position For All Discos As At December 31, 2017



Yola Disco

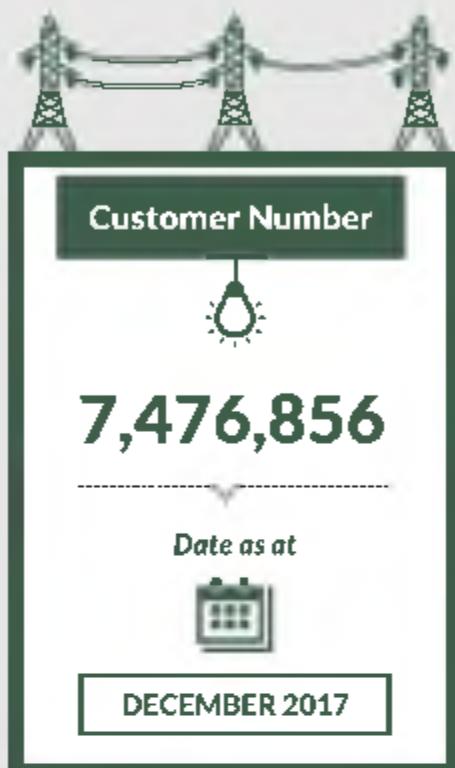


Yola Disco

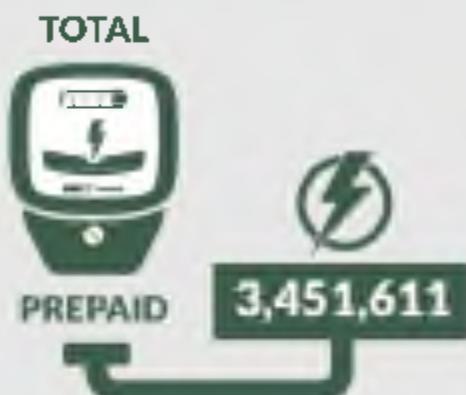
## Metering Position For All Discos As At December 31, 2017



Total Disco



TOTAL METERED AS AT DECEMBER 2017

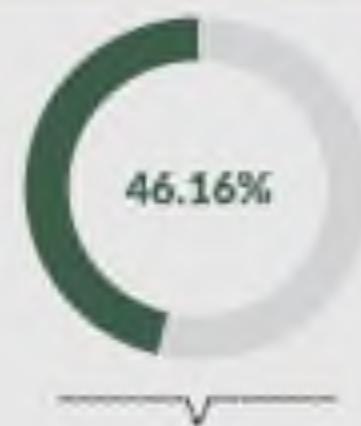


THREE PHASE



PERCENTAGE OF CUSTOMERS METERED

SINGLE PHASE



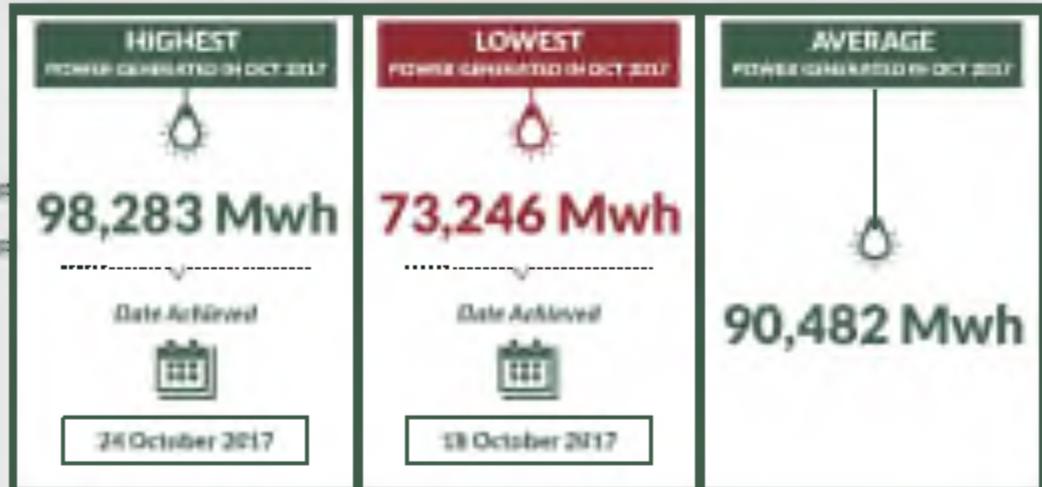
**Total Disco**

# Power Generation - Q4 2017

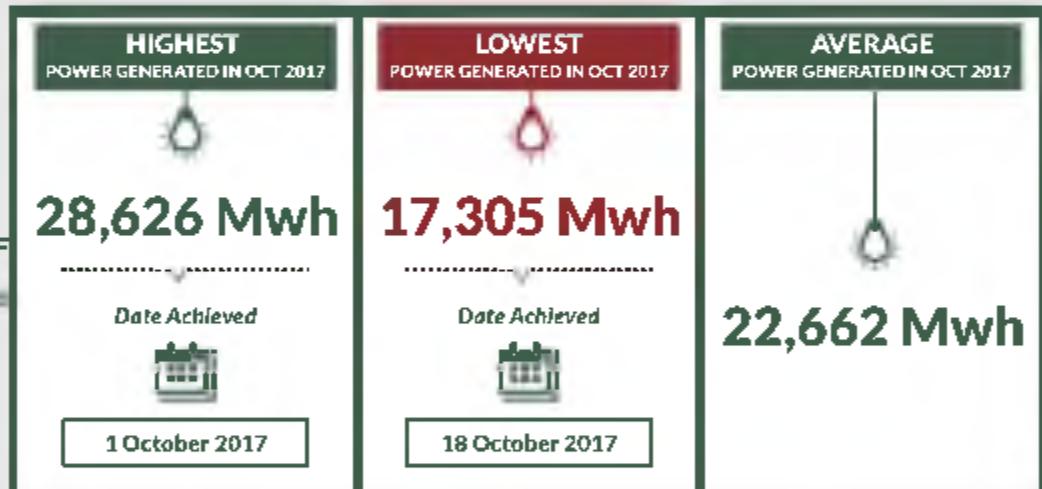
## Total Energy Generated Through Thermal (Gas) and (Hydro) In MWh - October 2017



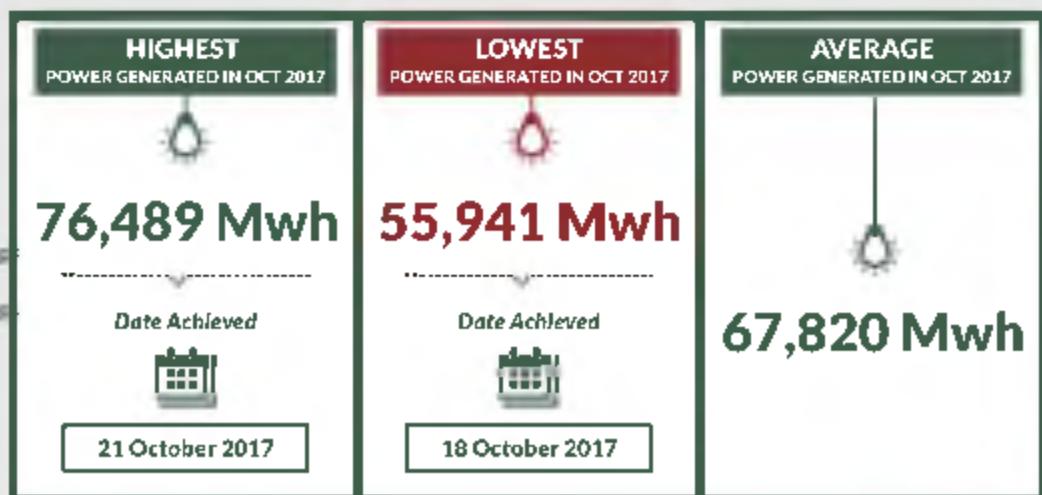
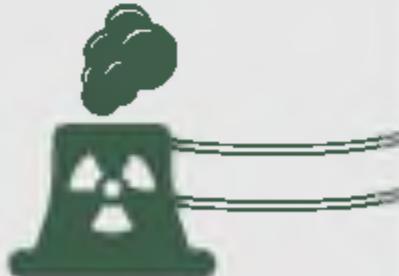
Highest Power Generated in October 2017



Highest Power Generated Through Hydro in October 2017



Highest Power Generated Through Thermal in October 2017

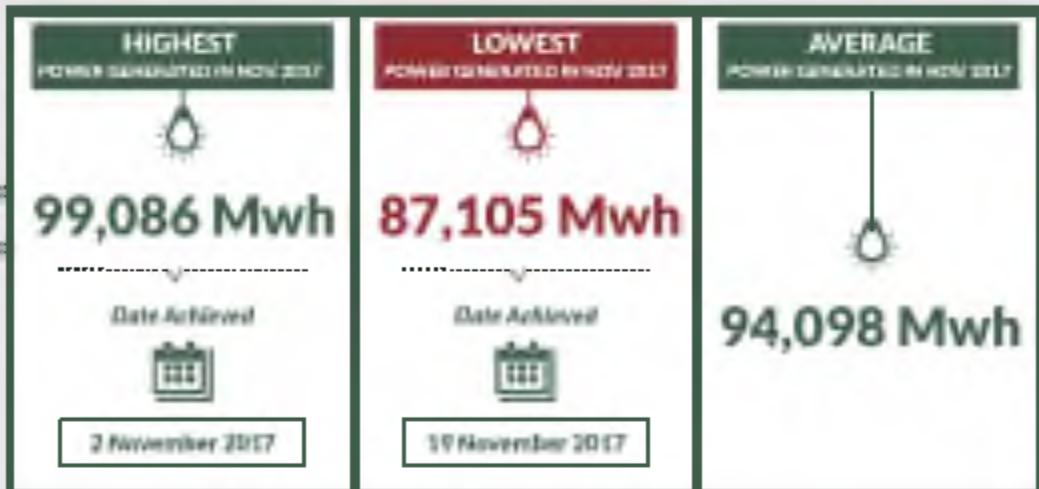


# Power Generation - Q4 2017

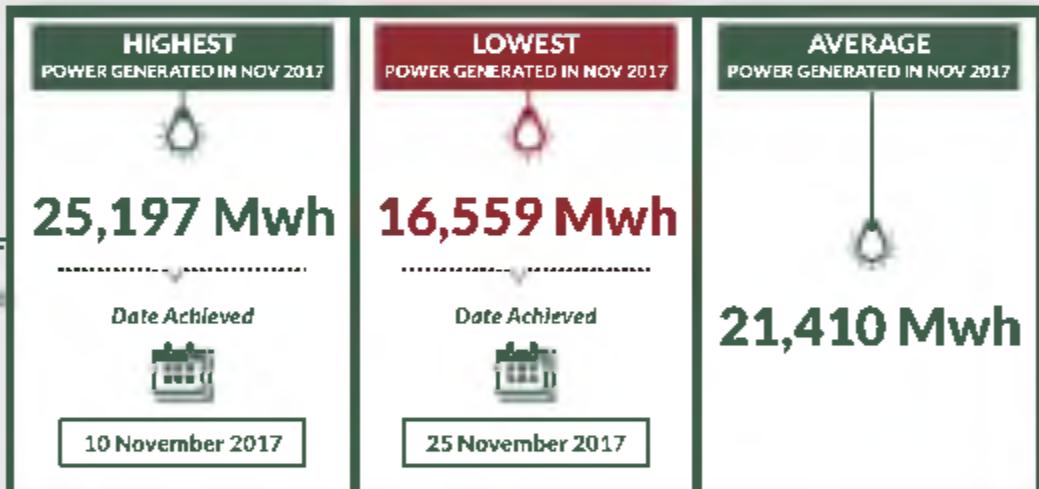
## Total Energy Generated Through Thermal (Gas) and (Hydro) In MWh - November 2017



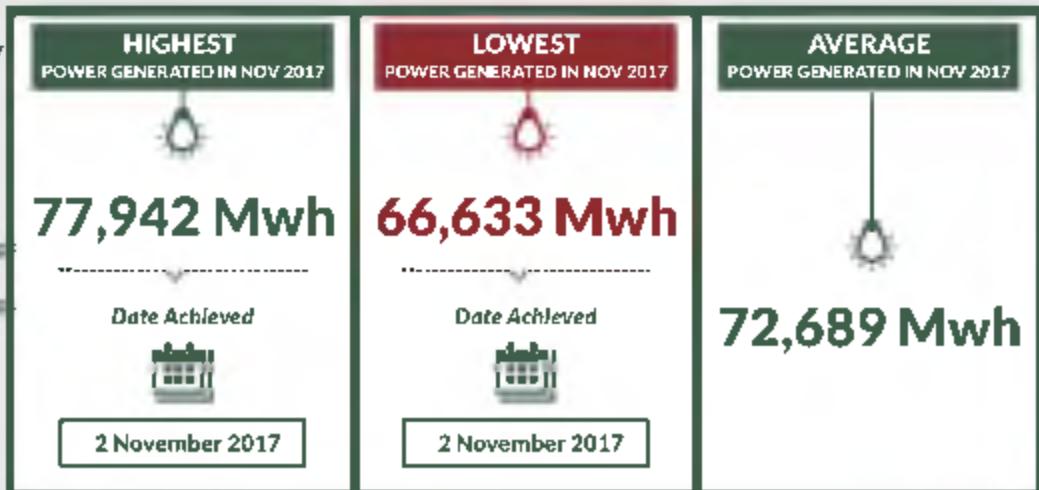
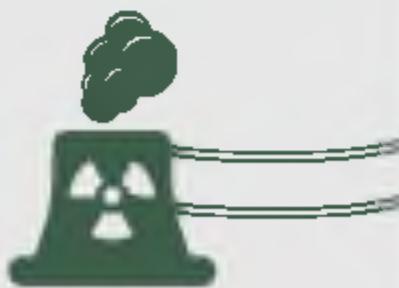
Highest Power Generated in November 2017



Highest Power Generated Through Hydro in November 2017



Highest Power Generated Through Thermal in November 2017

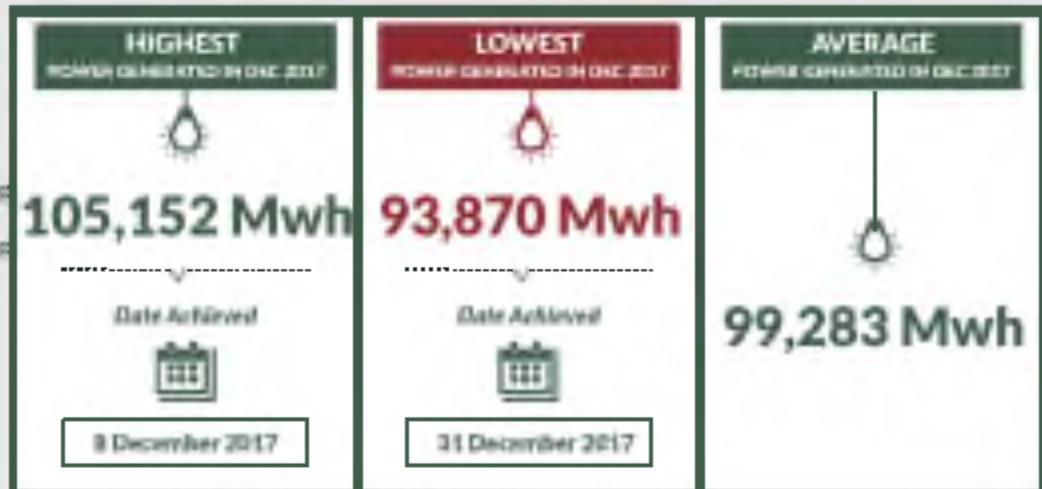


# Power Generation - Q4 2017

## Total Energy Generated Through Thermal (Gas) and (Hydro) In MWh - December 2017



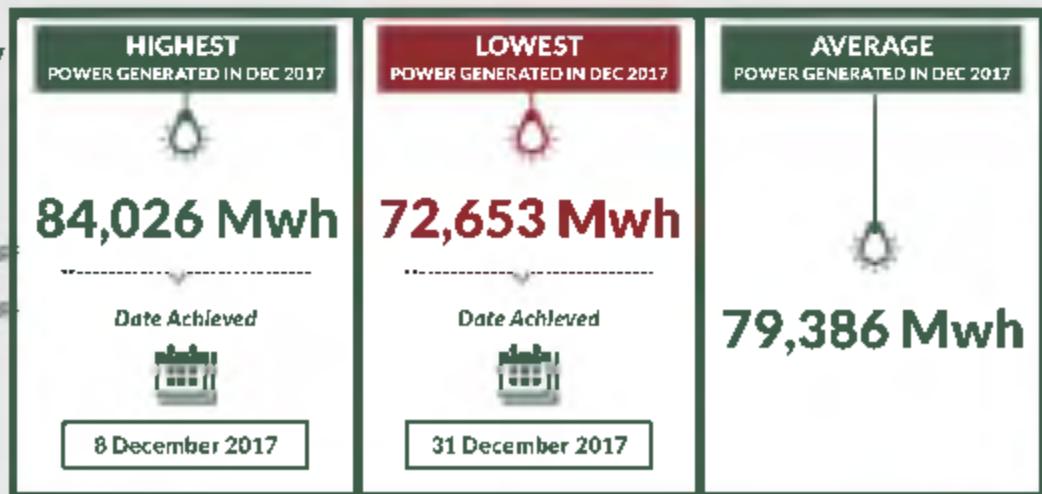
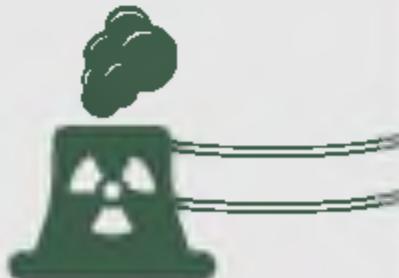
Highest Power Generated in December 2017



Highest Power Generated Through Hydro in December 2017



Highest Power Generated Through Thermal in December 2017

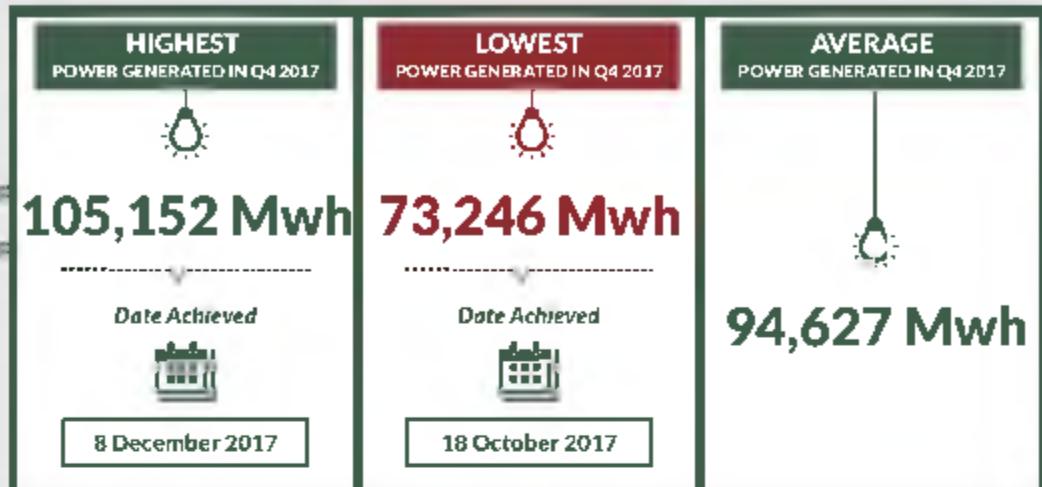


# Power Generation - Q4 2017

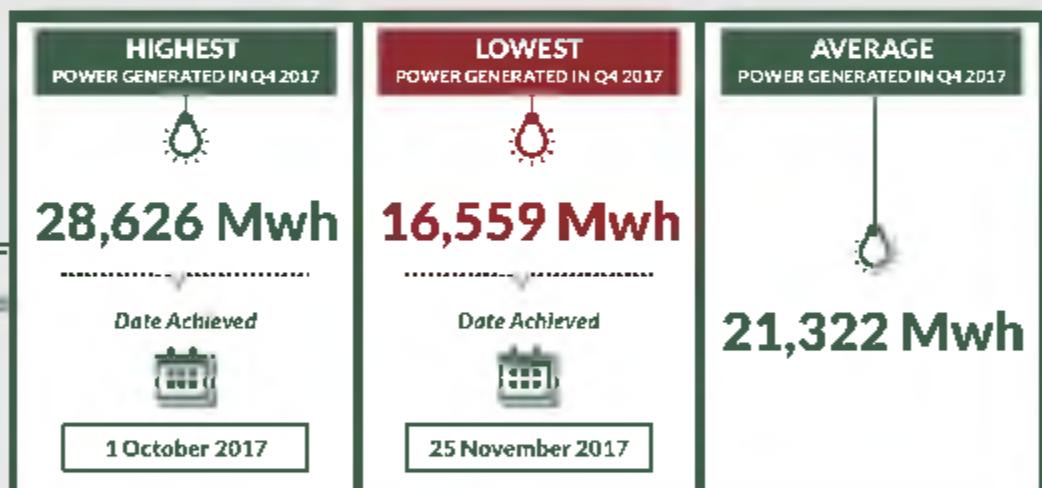
## Total Energy Generated Through Thermal (Gas) and (Hydro) In MWh - Q4 2017



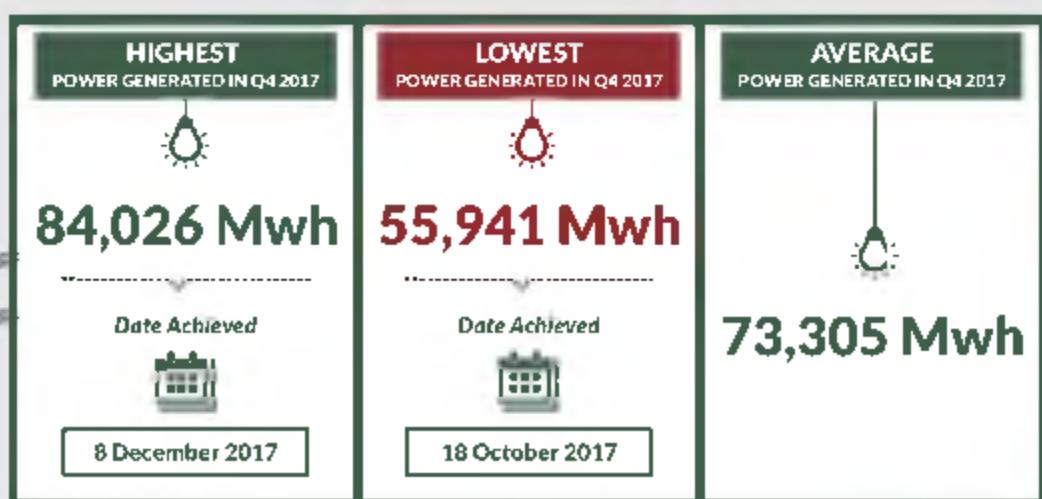
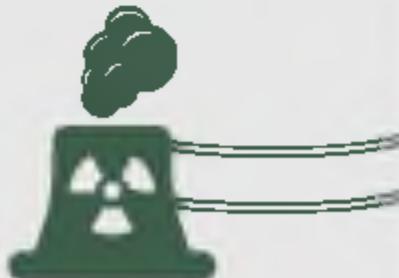
Highest Power Generated in Q4 2017



Highest Power Generated Through Hydro in Q4 2017



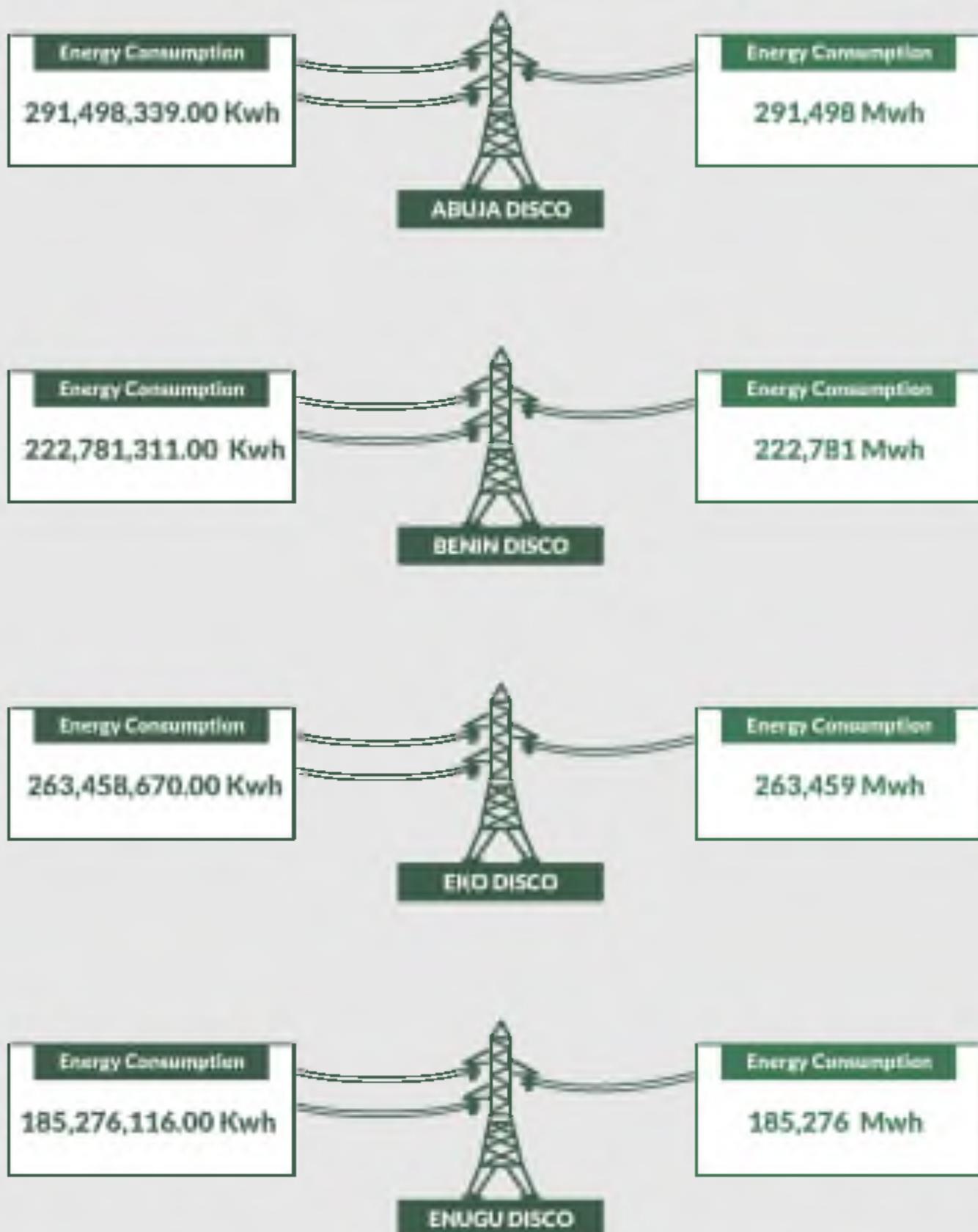
Highest Power Generated Through Thermal in Q4 2017



## Actual Consumption - October



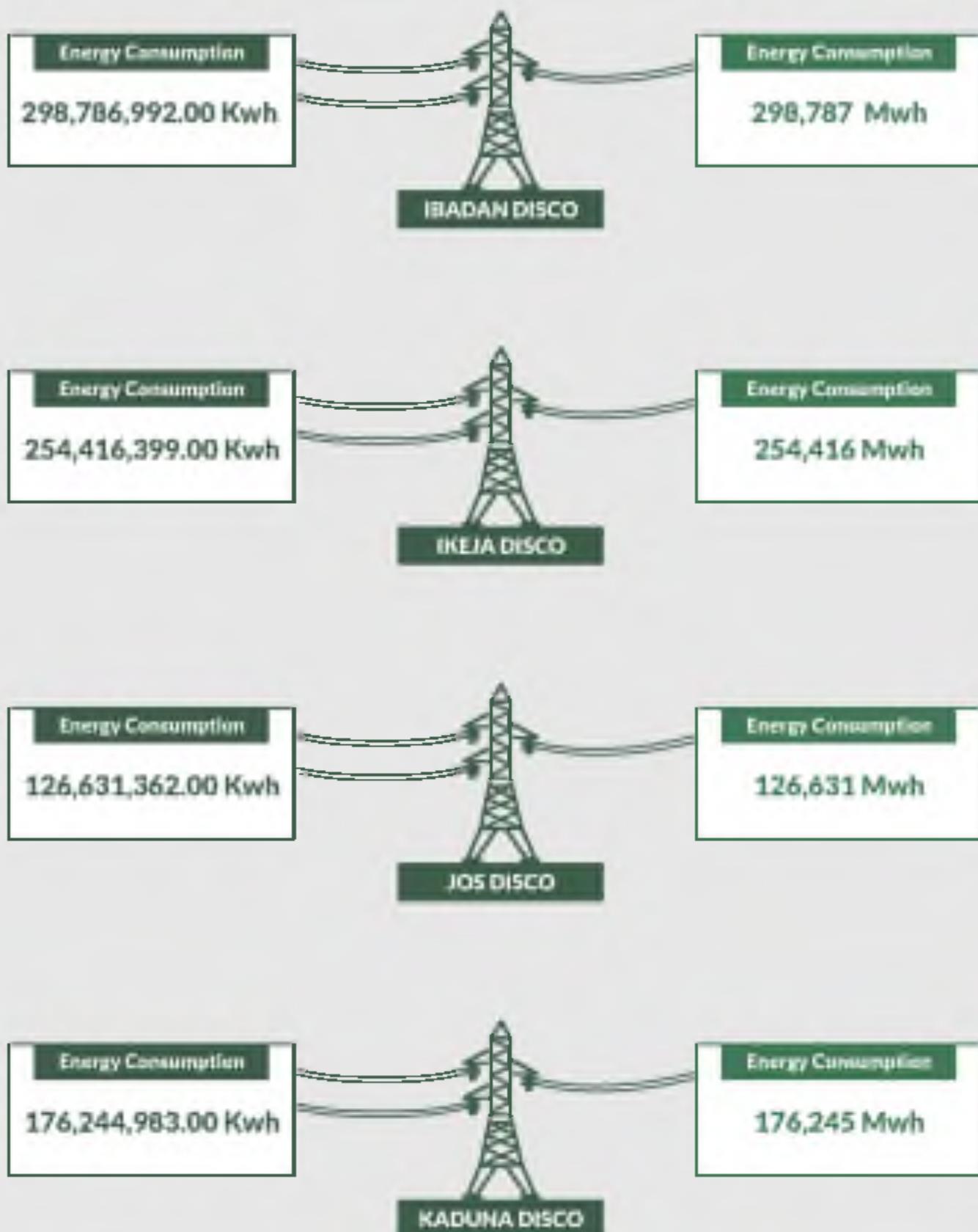
### Load Participant Invoice October 2017



## Actual Consumption - October



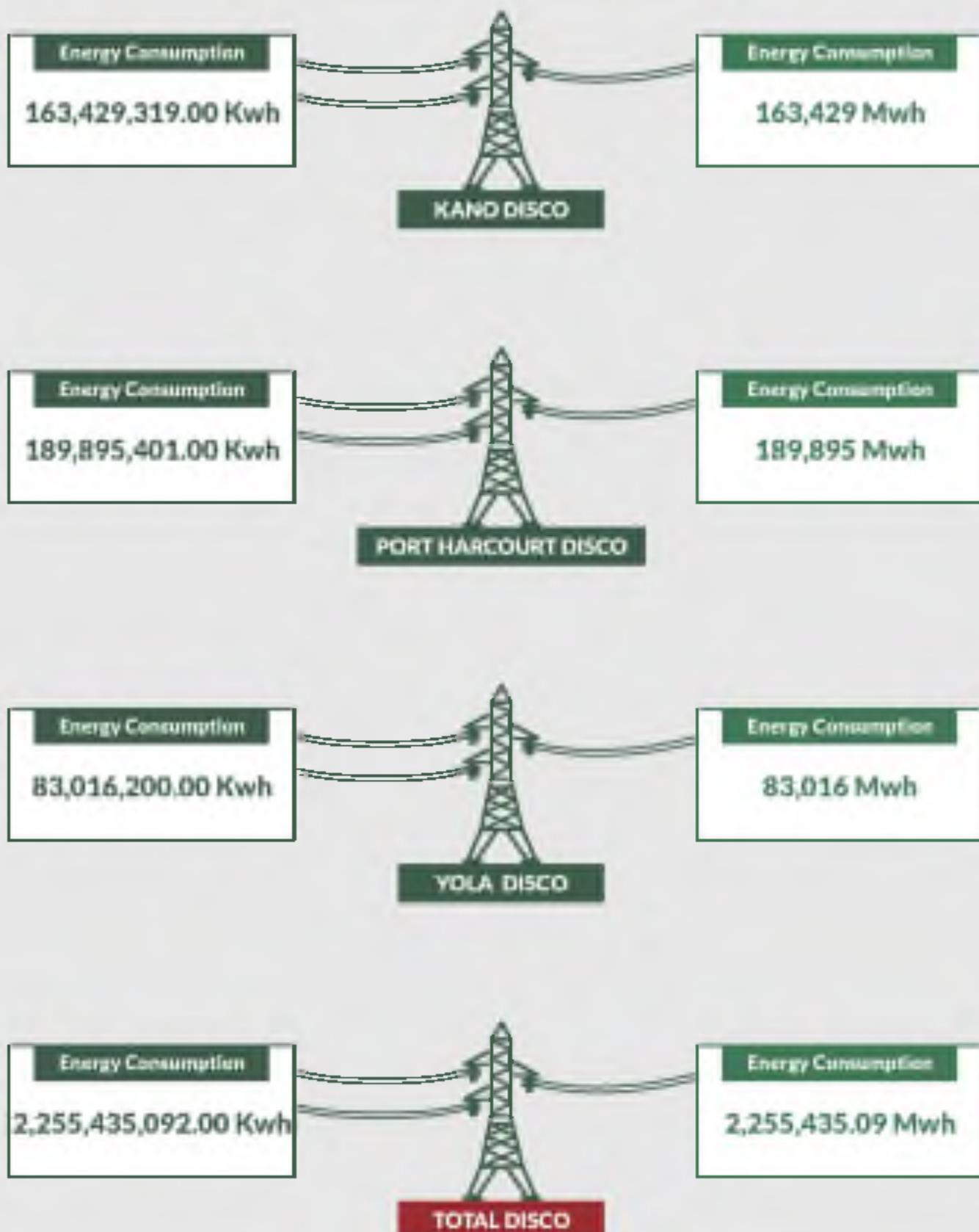
### Load Participant Invoice October 2017



## Actual Consumption - October



### Load Participant Invoice October 2017



## Actual Consumption - November



### Load Participant Invoice November 2017

#### Discos Late Payment for October 2017



## Actual Consumption - November



### Load Participant Invoice November 2017

#### Discos Late Payment for October 2017

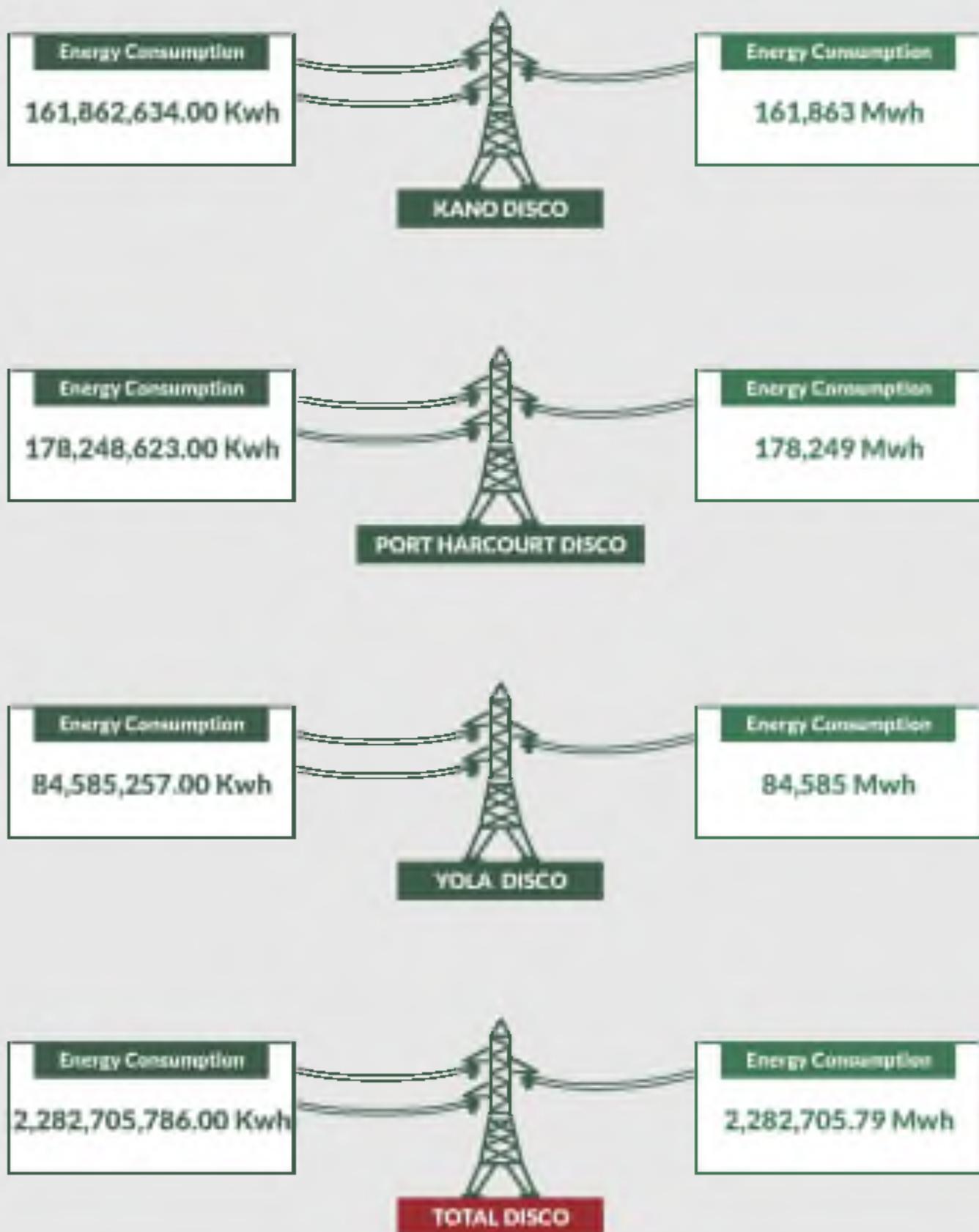


## Actual Consumption - November



### Load Participant Invoice November 2017

#### Discos Late Payment for October 2017



## Actual Consumption - December



Load Participant Invoice December 2017

Discos Late Payment for November 2017



## Actual Consumption - December



### Load Participant Invoice December 2017

#### Discos Late Payment for November 2017

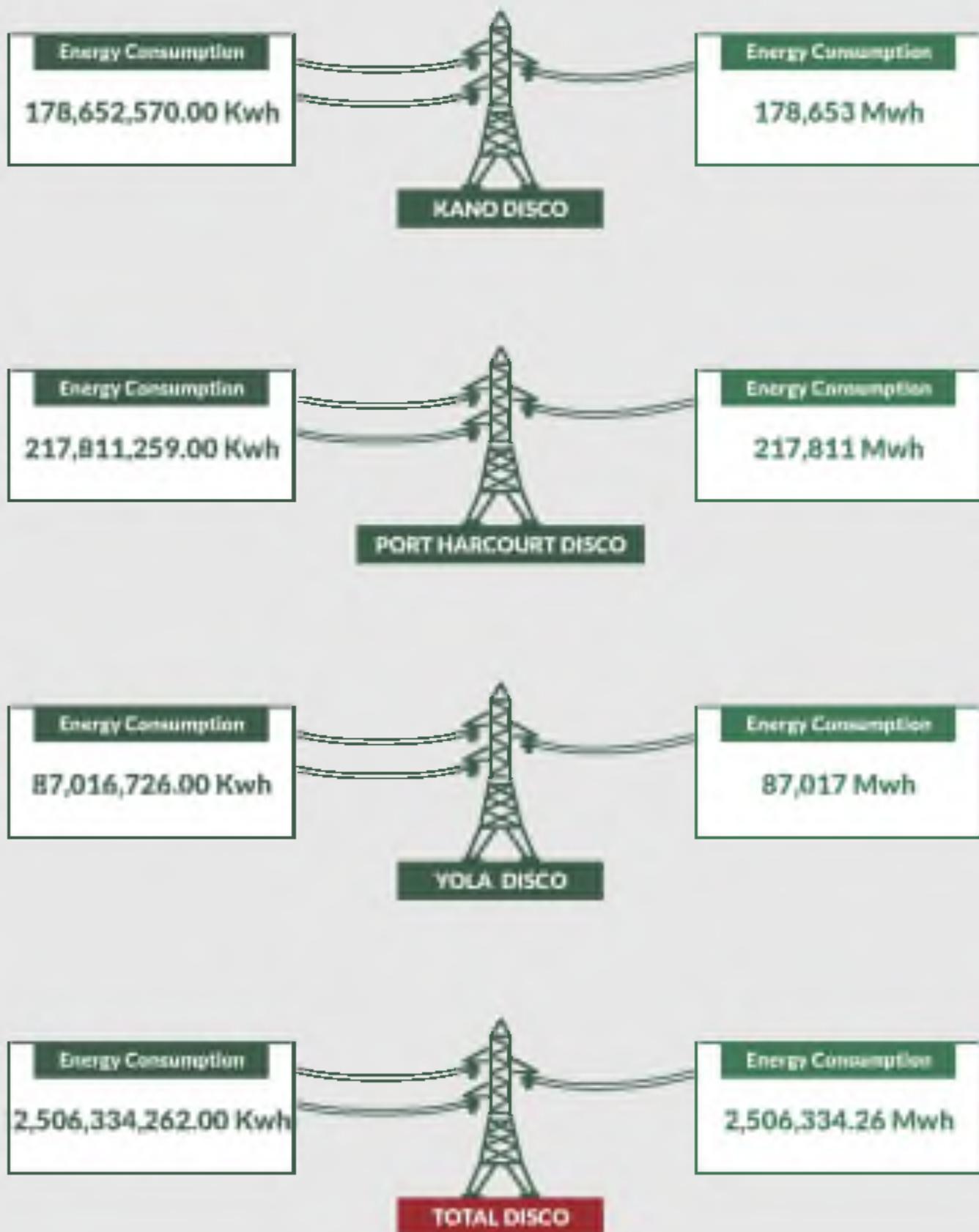


## Actual Consumption - December



Load Participant Invoice December 2017

Discos Late Payment for November 2017



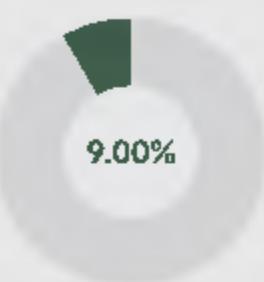
## Total Daily Actual MYTO Allocation in MWh



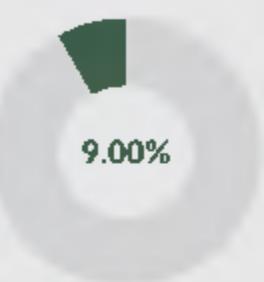
MYTO Allocation in Mwh



Abuja Disco



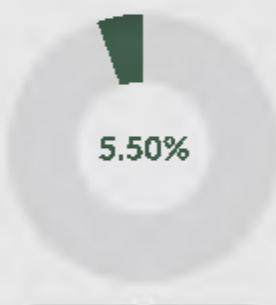
Benin Disco



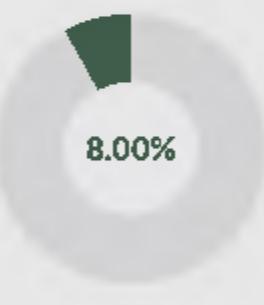
Enugu Disco



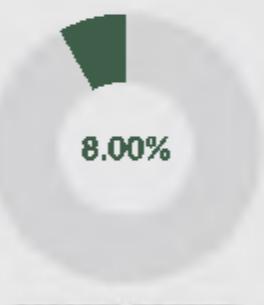
Ibadan Disco



Jos Disco



Kaduna Disco



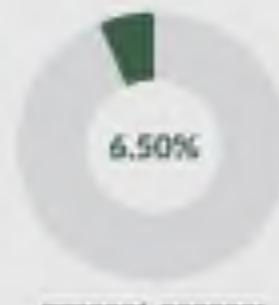
Kano Disco



Eko Disco



Ikeja Disco



Port Harcourt Disco



Yola Disco

## Total Daily Actual MYTO Allocation in MWh



Highest in December

8 December 2017



Abuja Disco



10,960 Mwh

Benin Disco



8,578 Mwh

Enugu Disco



8,578 Mwh

Ibadan Disco



12,390 Mwh

Jos Disco



5,242 Mwh

Kaduna Disco



7,625 Mwh

Kano Disco



7,625 Mwh

Eko Disco



10,484 Mwh

Ikeja Disco



14,296 Mwh

Port Harcourt Disco



6,195 Mwh

Yola Disco



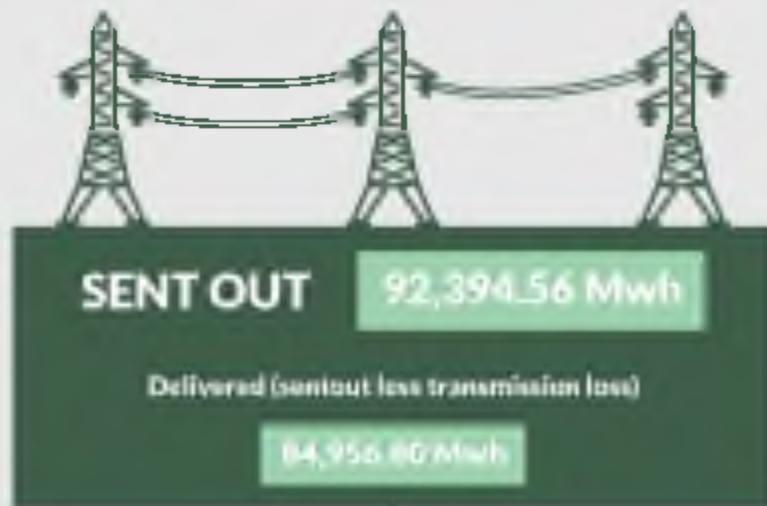
3,336 Mwh

## Total Daily Actual MYTO Allocation in MWh



Lowest in December

3 December 2017



Abuja Disco



9,770 Mwh

Benin Disco



7,646 Mwh

Enugu Disco



7,646 Mwh

Ibadan Disco



11,044 Mwh

Jos Disco



4,673 Mwh

Kaduna Disco



6,797 Mwh

Kano Disco



6,797 Mwh

Eko Disco



9,345 Mwh

Ikeja Disco



12,744 Mwh

Port Harcourt Disco



5,522 Mwh

Yola Disco



2,973 Mwh

## Total Daily Actual MYTO Allocation in MWh



Highest in November

14 November 2017



Abuja Disco



10,304 Mwh

Benin Disco



8,064 Mwh

Enugu Disco



8,064 Mwh

Ibadan Disco



11,648 Mwh

Jos Disco



4,928 Mwh

Kaduna Disco



7,168 Mwh

Kano Disco



7,168 Mwh

Eko Disco



9,856 Mwh

Ikeja Disco



13,440 Mwh

Port Harcourt Disco



5,824 Mwh

Yola Disco



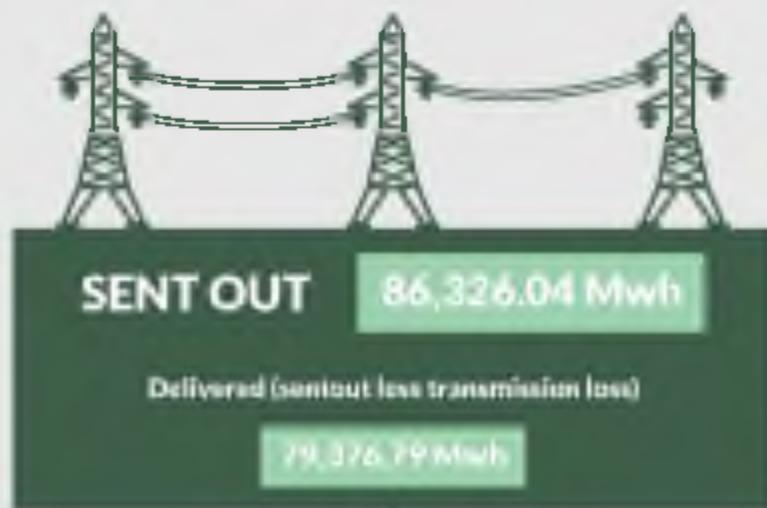
3,136 Mwh

## Total Daily Actual MYTO Allocation in MWh



Lowest in November

19 November 2017



Abuja Disco



9,128 Mwh

Benin Disco



7,144 Mwh

Enugu Disco



7,144 Mwh

Ibadan Disco



10,319 Mwh

Jos Disco



4,366 Mwh

Kaduna Disco



6,350 Mwh

Kano Disco



6,350 Mwh

Eko Disco



8,731 Mwh

Ikeja Disco



11,907 Mwh

Port Harcourt Disco



5,159 Mwh

Yola Disco



2,778 Mwh

## Total Daily Actual MYTO Allocation in MWh



Highest in October

24 October 2017



**SENT OUT**

**96,473.27 Mwh**

Delivered (sentout less transmission loss)

**69,702.17 Mwh**

Abuja Disco



10,201 Mwh

Benin Disco



7,984 Mwh

Enugu Disco



7,984 Mwh

Ibadan Disco



11,532 Mwh

Jos Disco



4,879 Mwh

Kaduna Disco



7,097 Mwh

Kano Disco



7,097 Mwh

Eko Disco



9,758 Mwh

Ikeja Disco



13,306 Mwh

Port Harcourt Disco



5,766 Mwh

Yola Disco



3,105 Mwh

## Total Daily Actual MYTO Allocation in MWh



Lowest in October

18 October 2017



Abuja Disco



7,649 Mwh

Benin Disco



5,986 Mwh

Enugu Disco



5,986 Mwh

Ibadan Disco



8,646 Mwh

Jos Disco



3,658 Mwh

Kaduna Disco



5,321 Mwh

Kano Disco



5,321 Mwh

Eko Disco



7,316 Mwh

Ikeja Disco



9,976 Mwh

Port Harcourt Disco



4,323 Mwh

Yola Disco



2,328 Mwh

## Total Daily Actual MYTO Allocation in MWh



Highest in Q4 2017

8 December 2017



**SENT OUT**

**103,651.9 Mwh**

Delivered (sentout less transmission loss)

**95,307.95 Mwh**

Abuja Disco



**10,960 Mwh**

Benin Disco



**8,578 Mwh**

Enugu Disco



**8,578 Mwh**

Ibadan Disco



**12,390 Mwh**

Jos Disco



**5,242 Mwh**

Kaduna Disco



**7,625 Mwh**

Kano Disco



**7,625 Mwh**

Eko Disco



**10,484 Mwh**

Ikeja Disco



**14,296 Mwh**

Port Harcourt Disco



**6,195 Mwh**

Yola Disco



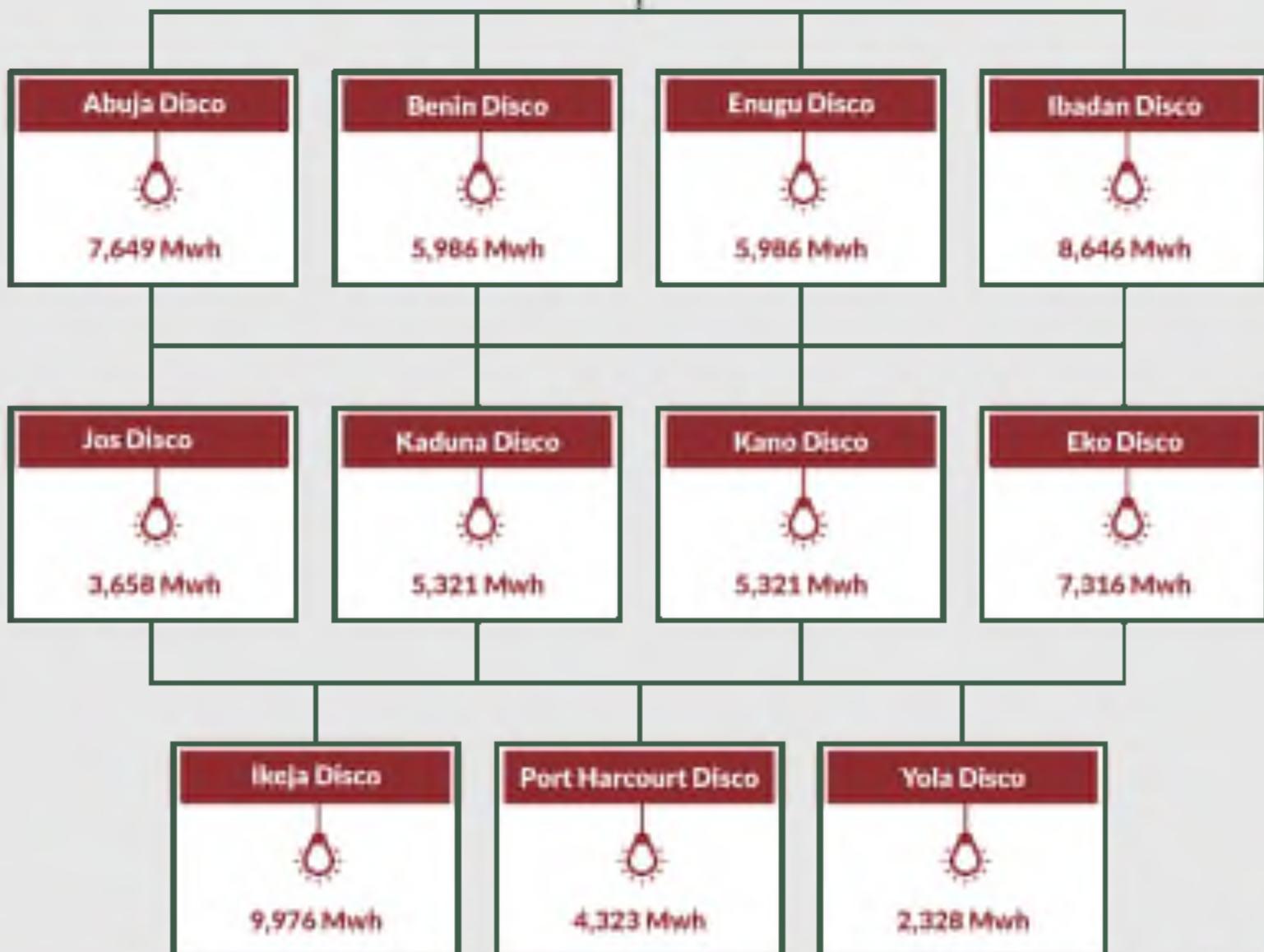
**3,336 Mwh**

## Total Daily Actual MYTO Allocation in MWh



Lowest in Q4 2017

18 October 2017



# Methodology

Data is supplied administratively by Nigerian Electricity Regulatory Commission (NERC) and verified and validated by the National Bureau of Statistics, Nigeria (NBS).

# Appendix

**Total energy generated through thermal(gas) and (hydro) in MWh Q4, 2017**

	Total	Hydro	Thermal
01-Oct	88074	28626	59448
02-Oct	82792	25748	57044
03-Oct	87561	26610	60951
04-Oct	84069	25120	58949
05-Oct	87438	24714	62724
06-Oct	90533	23547	66986
07-Oct	77081	18751	58330
08-Oct	84678	20647	64031
09-Oct	90904	25353	65551
10-Oct	91641	24635	67006
11-Oct	88857	23586	65271
12-Oct	90904	25353	65551
13-Oct	92096	22580	69516
14-Oct	87510	21522	65988
15-Oct	92149	23345	68804
16-Oct	94598	22729	71869
17-Oct	84590	17781	66809
18-Oct	73246	17305	55941
19-Oct	95985	21087	74898
20-Oct	96095	21065	75030
21-Oct	94847	18358	76489
22-Oct	93417	19959	73458
23-Oct	97422	21407	76015
24-Oct	98283	23199	75084
25-Oct	94280	21582	72698
26-Oct	97280	22190	75090
27-Oct	96462	22043	74419
28-Oct	97583	22509	75074
29-Oct	94949	23579	71370
30-Oct	82721	23478	59243
31-Oct	96903	24127	72776
01-Nov	94412	21116	73296
02-Nov	99086	21499	77587
03-Nov	98844	20902	77942
04-Nov	93476	19413	74063
05-Nov	90436	19322	71114
06-Nov	92882	20150	72732
07-Nov	95352	22471	72881
08-Nov	90840	20508	70332
09-Nov	93672	22942	70730
10-Nov	97865	25197	72668
11-Nov	94068	21721	72347
12-Nov	91894	22364	69530
13-Nov	98086	24622	73164

14-Nov	99054	22062	76992
15-Nov	95193	24800	70393
16-Nov	93034	24035	68999
17-Nov	96641	23448	73193
18-Nov	92045	21439	70606
19-Nov	87105	19711	67394
20-Nov	90513	23880	66633
21-Nov	90878	21501	69377
22-Nov	94045	23573	70472
23-Nov	95987	23149	72838
24-Nov	96595	20024	76571
25-Nov	94234	16559	77675
26-Nov	89904	19581	70323
27-Nov	93641	20118	73523
28-Nov	92399	18785	73614
29-Nov	95579	18449	77130
30-Nov	95182	18945	76237
01-Dec	94765	20488	74277
02-Dec	96250	20699	75551
03-Dec	94071	19684	74387
04-Dec	96619	20410	76209
05-Dec	98861	21723	77138
06-Dec	102831	20982	81849
07-Dec	101622	19170	82452
08-Dec	105152	21126	84026
09-Dec	97160	17749	79411
10-Dec	95309	17502	77807
11-Dec	99216	17988	81228
12-Dec	99667	18092	81575
13-Dec	101329	19191	82138
14-Dec	98790	22558	76232
15-Dec	102685	20469	82216
16-Dec	99601	19238	80363
17-Dec	98901	17901	81000
18-Dec	103944	21301	82643
19-Dec	101467	20229	81238
20-Dec	99336	19748	79588
21-Dec	100659	19523	81136
22-Dec	101726	20077	81649
23-Dec	99279	19734	79545
24-Dec	98648	18432	80216
25-Dec	100246	20578	79668
26-Dec	100904	19388	81516
27-Dec	98103	19733	78370
28-Dec	100551	20991	79560
29-Dec	100472	20219	80253
30-Dec	95731	20646	75085
31-Dec	93870	21217	72653

## Load Participant Invoice October 2017

Load Participants			Energy Consumption	Energy Consumption	
	Name	Type	KWh	MWh	
1	ABUJA	DISCO	291,498,339.00	291,498	
2	BENIN	DISCO	222,781,311.00	222,781	
3	EKO	DISCO	263,458,670.00	263,459	
4	ENUGU	DISCO	185,276,116.00	185,276	
5	IBADAN	DISCO	298,786,992.00	298,787	
6	IKEJA	DISCO	254,416,399.00	254,416	
7	JOS	DISCO	126,631,362.00	126,631	
8	KADUNA	DISCO	176,244,983.00	176,245	
9	KANO	DISCO	163,429,319.00	163,429	
10	PH	DISCO	189,895,401.00	189,895	
11	YOLA	DISCO	83,016,200.00	83,016	
	TOTAL		2,255,435,092.00	2,255,435.09	

## Load Participant Invoice November 2017

Load Participants			Energy Consumption	Energy Consumption	
	Name	Type	KWh	MWh	
<b>Discos Late Payment for October 2017</b>					
1	ABUJA	DISCO	304,602,924.00	304,603	
2	BENIN	DISCO	215,452,175.00	215,452	
3	EKO	DISCO	280,769,632.00	280,770	
4	ENUGU	DISCO	198,773,977.00	198,774	
5	IBADAN	DISCO	315,715,345.00	315,715	
6	IKEJA	DISCO	246,861,864.00	246,862	
7	JOS	DISCO	131,655,709.00	131,656	
8	KADUNA	DISCO	164,177,646.00	164,178	
9	KANO	DISCO	161,862,634.00	161,863	
10	PH	DISCO	178,248,623.00	178,249	
11	YOLA	DISCO	84,585,257.00	84,585	
	TOTAL		2,282,705,786.00	2,282,705.79	

## Load Participant Invoice December 2017

Load Participants			Energy Consumption	Energy Consumption	
	Name	Type	KWh	MWh	
<b>Discos Late Payment for November 2017</b>					
1	ABUJA	DISCO	316,889,791.00	316,890	
2	BENIN	DISCO	226,815,837.00	226,816	
3	EKO	DISCO	287,525,064.00	287,525	
4	ENUGU	DISCO	238,065,164.00	238,065	
5	IBADAN	DISCO	336,428,265.00	336,428	
6	IKEJA	DISCO	289,442,285.00	289,442	
7	JOS	DISCO	135,637,671.00	135,638	
8	KADUNA	DISCO	192,049,630.00	192,050	
9	KANO	DISCO	178,652,570.00	178,653	
10	PH	DISCO	217,811,259.00	217,811	
11	YOLA	DISCO	87,016,726.00	87,017	
	TOTAL		2,506,334,262.00	2,506,334.26	



29 Oct	93744.9	86,198.44	9,913	7,758	7,758	11,206	4,741	6,896	6,896	9,482	12,930	5,603	3,017
28 Oct	96053.63	88,321.31	10,157	7,949	7,949	11,482	4,858	7,066	7,066	9,715	13,248	5,741	3,091
27 Oct	95057.77	87,405.62	10,052	7,867	7,867	11,363	4,807	6,992	6,992	9,615	13,111	5,681	3,059
26 Oct	95108.75	87,452.50	10,057	7,871	7,871	11,369	4,810	6,996	6,996	9,620	13,118	5,684	3,061
25 Oct	92604.75	85,150.25	9,792	7,664	7,664	11,070	4,683	6,812	6,812	9,367	12,772	5,535	2,980
24 Oct	96473.27	88,707.17	10,201	7,984	7,984	11,532	4,879	7,097	7,097	9,758	13,306	5,766	3,105
23 Oct	95960.14	88,285.35	10,147	7,941	7,941	11,471	4,853	7,059	7,059	9,706	13,235	5,735	3,088
22 Oct	91957.75	84,555.15	9,724	7,610	7,610	10,992	4,651	6,764	6,764	9,301	12,683	5,496	2,959
21 Oct	93392.21	65,874.14	9,876	7,729	7,729	11,164	4,723	6,870	6,870	9,446	12,881	5,582	3,006
20 Oct	94629.07	87,011.43	10,006	7,831	7,831	11,311	4,786	6,961	6,961	9,571	13,052	5,656	3,045
19 Oct	94591.72	86,977.09	10,002	7,828	7,828	11,307	4,784	6,958	6,958	9,567	13,047	5,654	3,044
18 Oct	72332.54	66,509.77	7,649	5,986	5,986	8,646	3,658	5,321	5,321	7,316	9,976	4,323	2,328
17 Oct	83447.09	76,729.60	8,824	6,906	6,906	9,975	4,220	6,138	6,138	8,440	11,509	4,987	2,686
16 Oct	92367.08	85,851.03	9,873	7,727	7,727	11,161	4,722	6,868	6,868	9,444	12,878	5,580	3,005
15 Oct	91036.27	83,707.85	9,626	7,534	7,534	10,882	4,604	6,697	6,697	9,208	12,556	5,241	2,950
14 Oct	86441.86	79,483.29	9,141	7,153	7,153	10,333	4,372	6,359	6,359	8,743	11,922	5,166	2,782
13 Oct	91018.4	83,691.42	9,625	7,532	7,532	10,800	4,603	6,695	6,695	9,206	12,554	5,440	2,929
12 Oct	89901.1	82,664.06	9,506	7,410	7,410	10,746	4,547	6,613	6,613	9,093	12,400	5,373	2,893
11 Oct	87720.46	80,658.96	9,276	7,259	7,259	10,486	4,436	6,453	6,453	8,872	12,099	5,243	2,823
10 Oct	90696.02	83,394.99	9,590	7,506	7,506	10,841	4,587	6,672	6,672	9,173	12,509	5,421	2,919
09 Oct	89901.1	82,664.06	9,506	7,440	7,440	10,746	4,547	6,613	6,613	9,093	12,400	5,373	2,893
08 Oct	83554.88	76,920.66	8,816	6,923	6,923	10,000	4,231	6,154	6,154	8,161	11,538	5,000	2,692
07 Oct	76135.78	70,006.85	8,051	6,301	6,301	9,101	3,850	5,601	5,601	7,701	10,501	4,550	2,450
06 Oct	89243.26	82,059.18	9,237	7,385	7,385	10,668	4,513	6,565	6,565	9,027	12,309	5,334	2,872
05 Oct	86446.47	79,487.53	9,141	7,154	7,154	10,333	4,372	6,359	6,359	8,744	11,923	5,167	2,782
04 Oct	83086.21	76,397.77	8,786	6,876	6,876	9,932	4,202	6,112	6,112	8,404	11,460	4,966	2,674
03 Oct	86557.39	79,589.52	9,153	7,163	7,163	10,347	4,377	6,367	6,367	8,755	11,938	5,173	2,786
02 Oct	81632	75,060.62	8,632	6,755	6,755	9,758	4,128	6,005	6,005	8,257	11,259	4,879	2,627
01 Oct	87070.21	80,061.06	9,207	7,205	7,205	10,408	4,403	6,405	6,405	8,807	12,009	5,204	2,802

## METERING POSITION FOR ALL DISCOS AS AT DECEMBER 31, 2017

S/N	DISCOS	Customer Number as at DECEMBER 2017	TOTAL METERED AS AT DECEMBER 2017	THREE PHASE PREPAID	SINGLE PHASE PRE-PAID	PERCENTAGE OF CUSTOMERS METERED
1	Abuja	862,696	450,041	11,043	248,836	52.17%
2	Benin	771,226	535,935	31,687	245,681	69.49%
3	Eko	442,201	268,558	64,745	88,562	60.73%
4	Enugu	809,829	224,445	15,147	101,468	27.72%
5	Ibadan	1,474,364	609,604	34,189	194,072	41.35%
6	Ikeja	835,736	467,578	39,636	97,473	55.95%
7	Jos	384,691	187,415	4,551	47,487	48.72%
8	Kaduna	641,582	238,901	18,453	97,337	37.24%
9	Kano	472,453	162,664	23,726	38,951	34.43%
10	PH	488,600	237,188	22,765	33,418	48.54%
11	Yola	293,478	69,282	7,654	29,675	23.61%
		7,476,856	3,451,611	273,596	1,222,960	46.16%

# Acknowledgements/Contacts

## Acknowledgements

We acknowledge the contributions of our strategic partner Nigerian Electricity Regulatory Commission and our technical partner, Proshare in the design, concept and production of this publication.



**proshare**

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