



# INDEPENDENT SYSTEM OPERATOR, ISO

*Responsible National Grid and Market Administration*

**newsletter**

**Vol. 03: 2016**

## Vision

To be the most responsible, transparent and efficient Independent System Operator in terms of grid management and electricity market administration in Africa

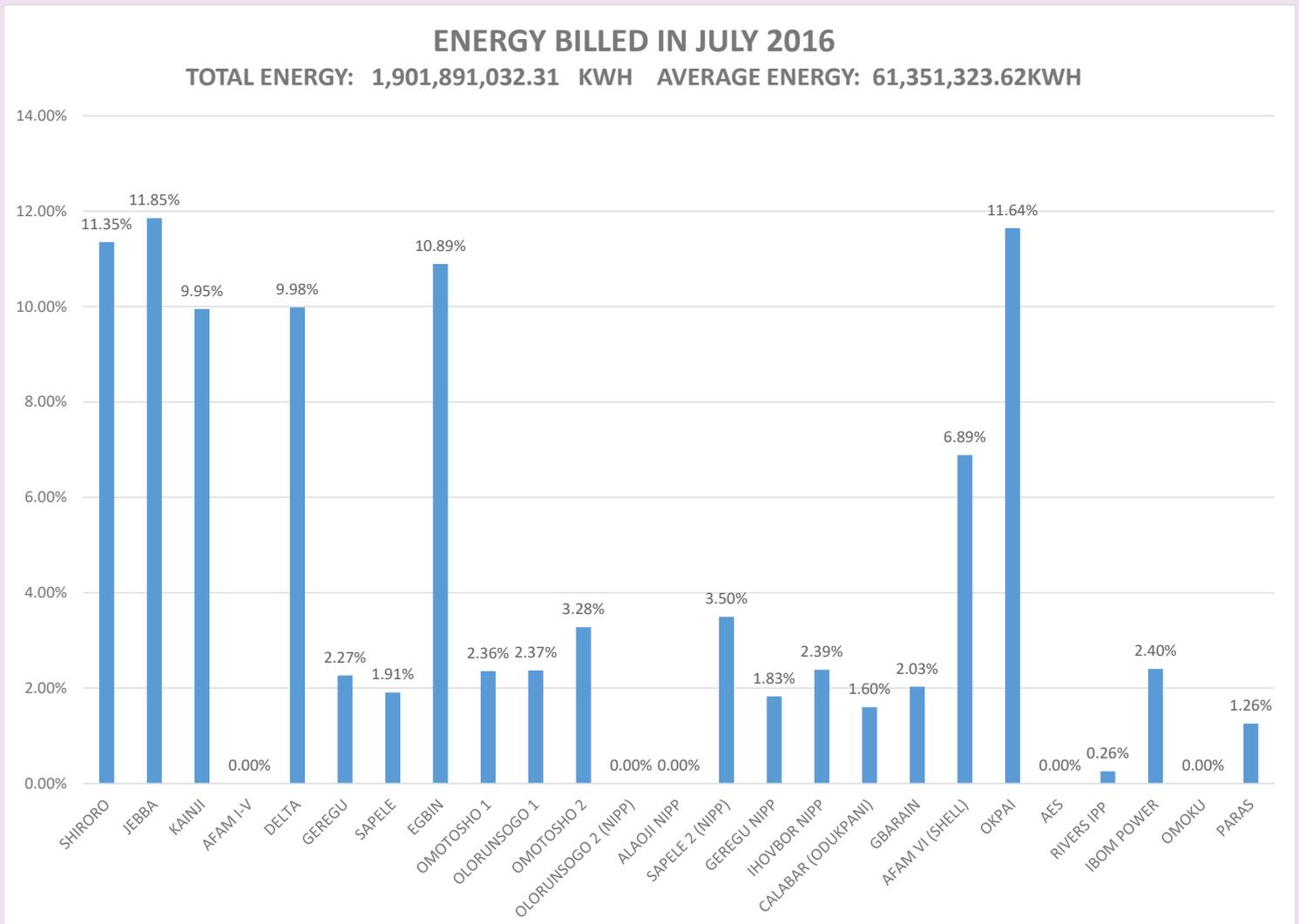
## Mission Statement

Exercising grid control to maintain an efficient, coordinated and economic supply of electricity in accordance with the grid code and market rules

## 3rd Quarter National Grid Performance Information

National Grid Performance Data to guide policy makers, investors stakeholders, researchers and the general public in making strategic and informed decisions.

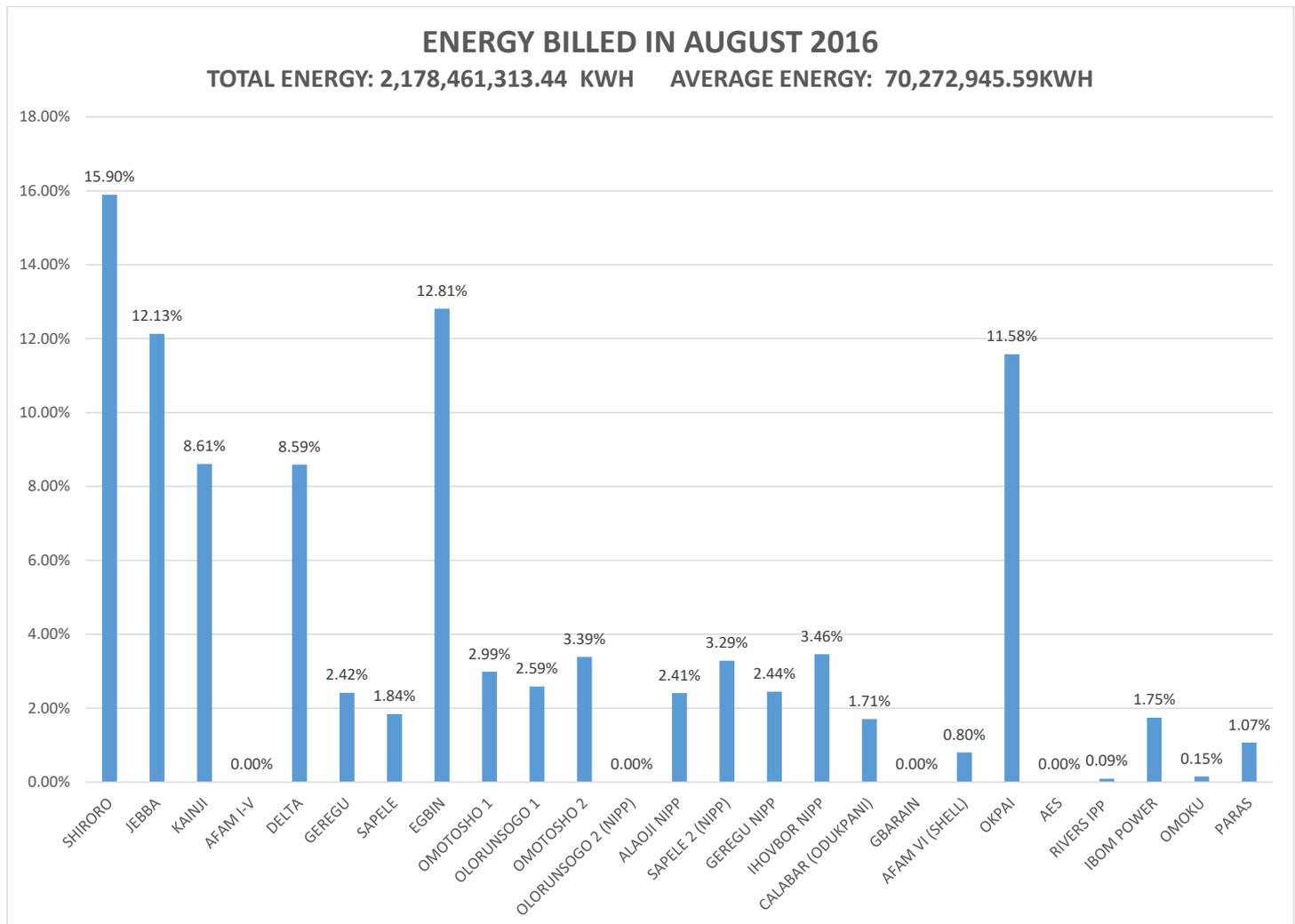
## July 2016 Performance Chart



## July Performance Analysis

- **Jebba Hydro Power Station** contributed the most to the National Grid at **11.85%** followed by **Okpai Power Station- operated by AGIP-** with **11.64%**. The least contribution of **0.26%** came from **Rivers IPP**.
- **The Three Hydro Power Stations – Shiroro, Jebba & Kainji** contributed **33.15%** to the National Grid.
- **The seven Independent Power Producers; Omoshoto 1 & 2, Afam VI (Shell), Okpai, Ibom Power, Rivers and Paras** contributed **28.09%**.
- **The privatized Thermal Power Stations; Delta, Geregu 1, Sapele 1, Egbin and Olorunsogo 1** provided **27.42%**.
- **The five NIPP Power Plants - Sapele 2, Geregu 2, Odukpani, Ihovbor and Gbarain** contributed **11.35%**.
- **Some power generating stations were off-line. They did not make any contribution. They were Afam (I-V), Olorunsogo 2 (NIPP), Alaoji (NIPP), AES and Omoku.**

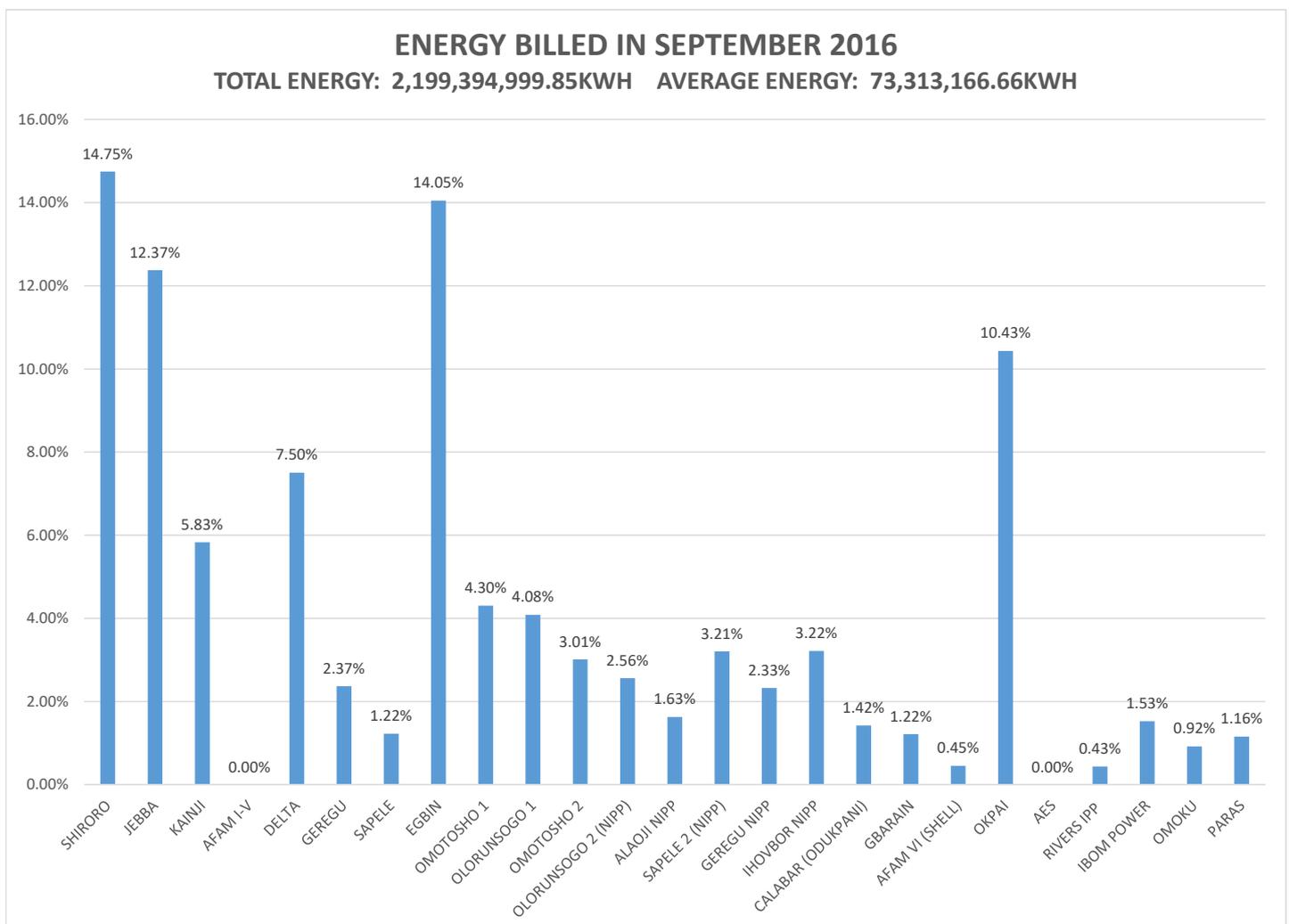
## August 2016 Performance Chart



## August Performance Analysis

- One of the power stations which had been dormant: Omoku Power Station came on stream and started making 0.15% contribution.
- The three hydro power stations made a combined contribution of 36.64% into the National Grid in August, a marginal rise from 33.15% in July. Shiroro Hydro Power Station alone contributed 15.90% of the group total.
- Egbin Power Station made a single contribution of 12.81%, an increase from 10.89% in July, into the Grid. However in combination with other privatized thermal plants, they contributed 28.25% of the power in the System in August as against 27.42% in July.
- The NIPP Plants upped their contribution with 13.31% in August from 11.35% in July.
- A reduced contribution came from the Independent Power Producers whose combined contribution was 21.82% in August compared to 28.09% in July.

## September 2016 Performance Chart

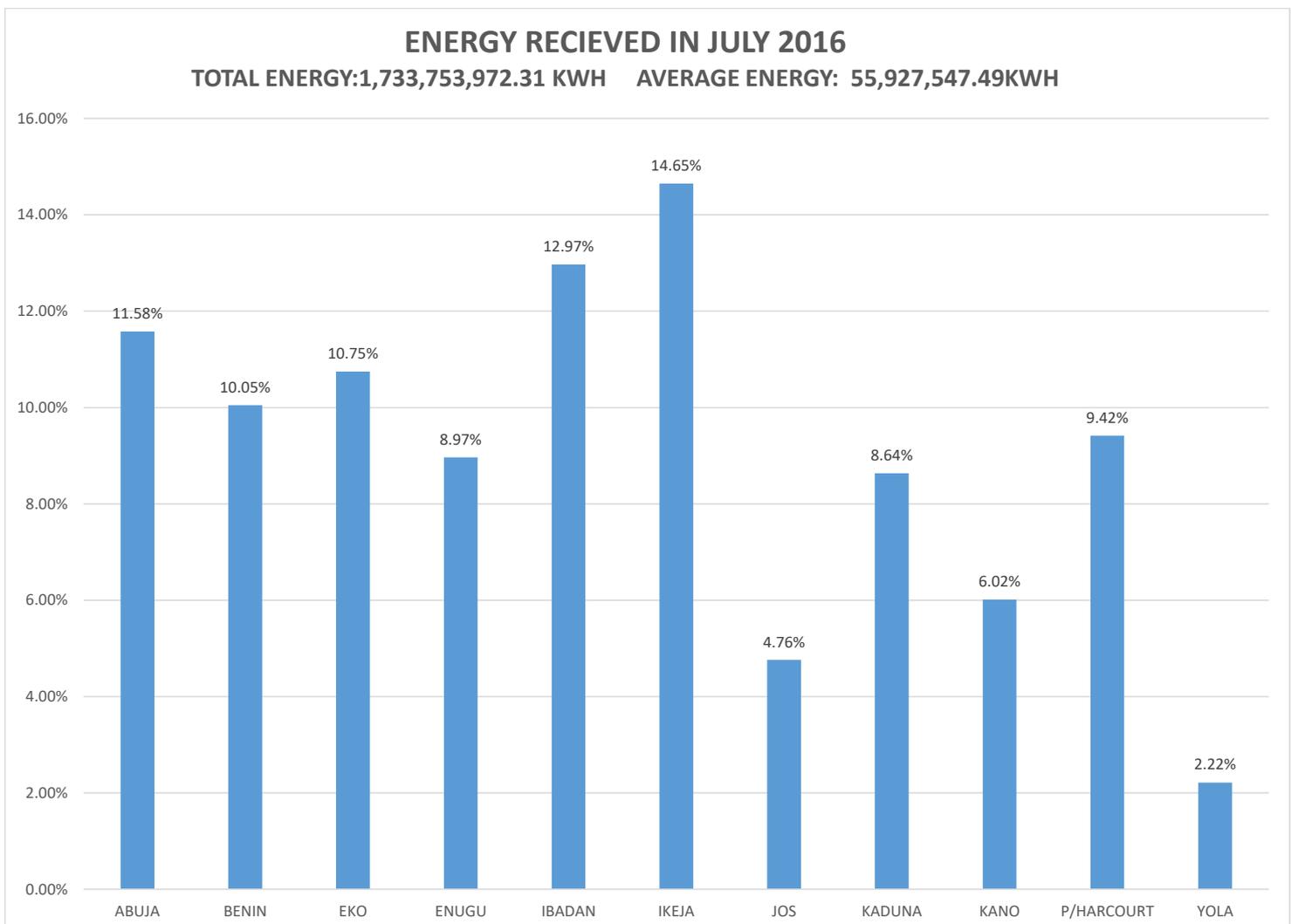


## September Performance Analysis

- The contribution from the hydro power stations dropped in September with 32.95% compared to their combined contribution of 36.64% in August. Shiroro Hydro Power station still maintained the prime position with 14.75% from 15.90 in August.
- Egbin Power Station produced 14.05% of the total power in the system, which led into a slight increase in the contribution of privatized thermal power stations in September with a contribution of 29.22% as against 28.25% in August.
- There was an increase in the contribution from the NIPP Power Plants with 15.59% in September to 13.31% in August.
- An increased contribution was witnessed in the offering of the IPP Plants as their input into the National Grid was 22.24% in September as against 21.82% in August.

## Distribution Dispatch Analyses

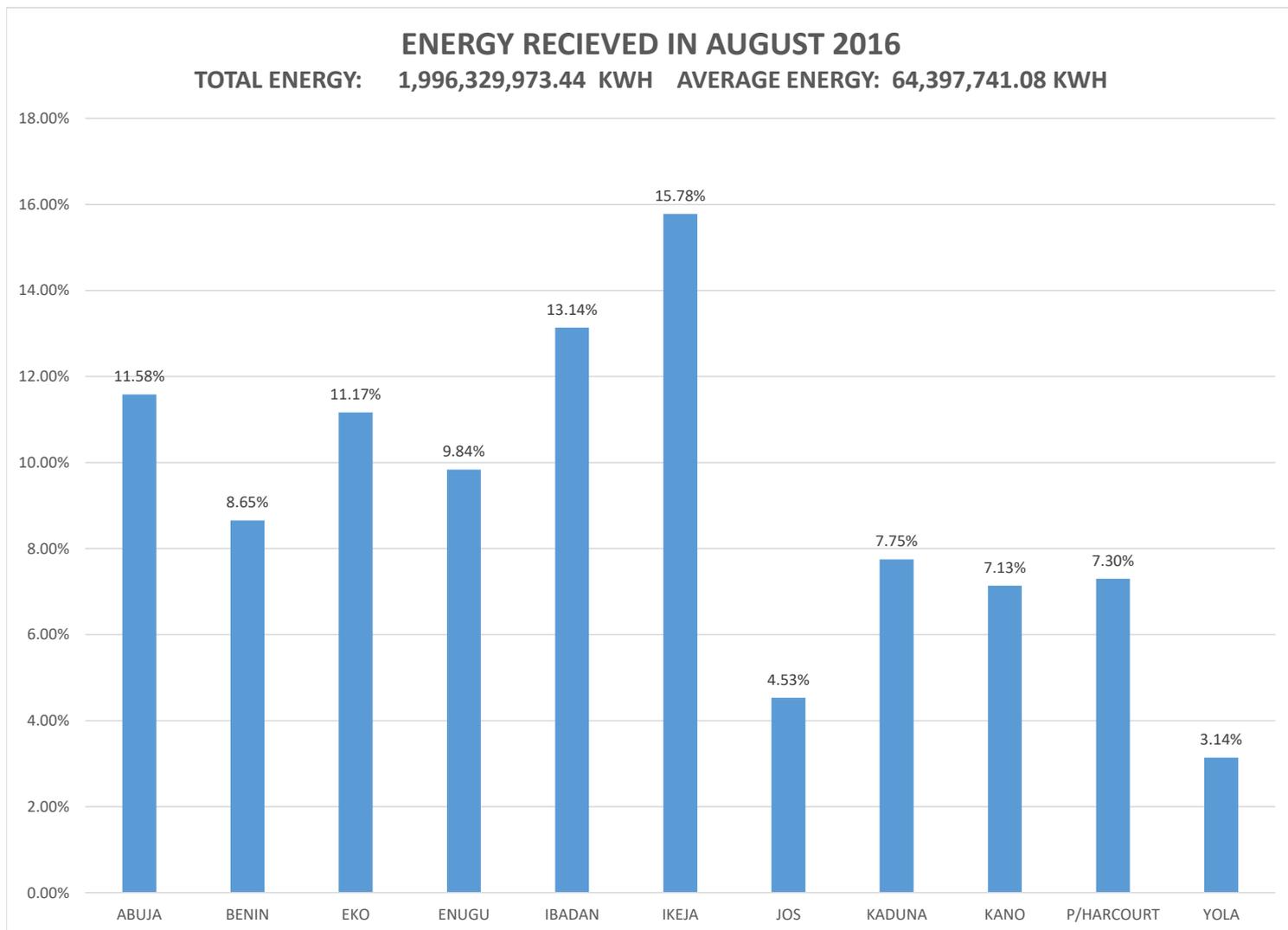
### July Delivery Chart



## July Delivery Analysis

- Ikeja Disco received the highest energy delivered to all Distribution Companies in July at 14.65%, Ibadan Disco followed with 12.97%. Abuja Disco was third while Yola Disco received the least energy of 2.22%.

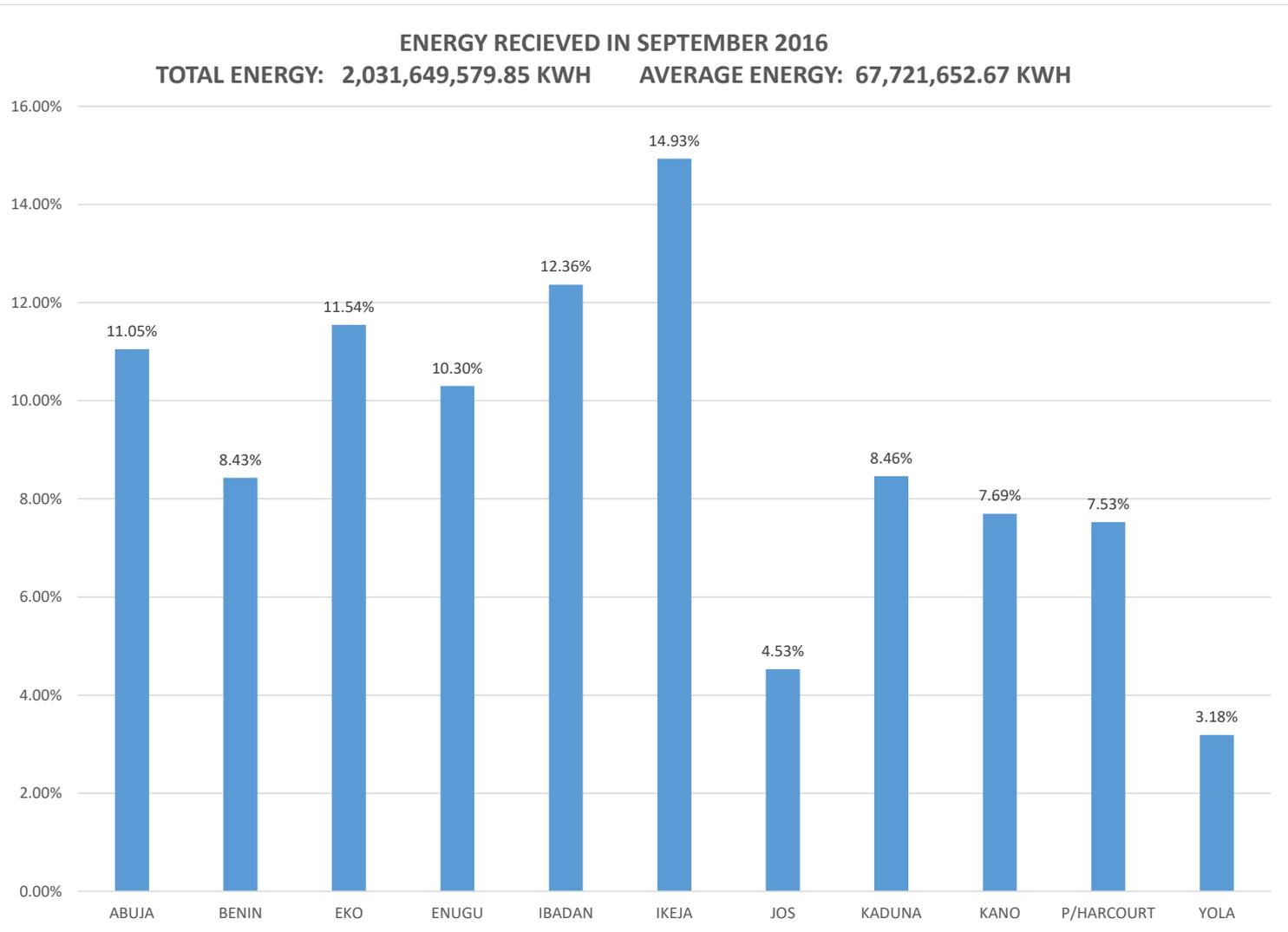
## August Delivery Chart



## August Delivery Analysis

- Ikeja Disco topped the chart with 15.78% against 14.65% it received in July, while Yola Disco received the least with 3.14% which was an increase from 2.22% it received in July. Ibadan Disco received 13.14% in August as against 12.97% in July. Yola Disco received 3.14% in August a slight increase to 2.22% in July.

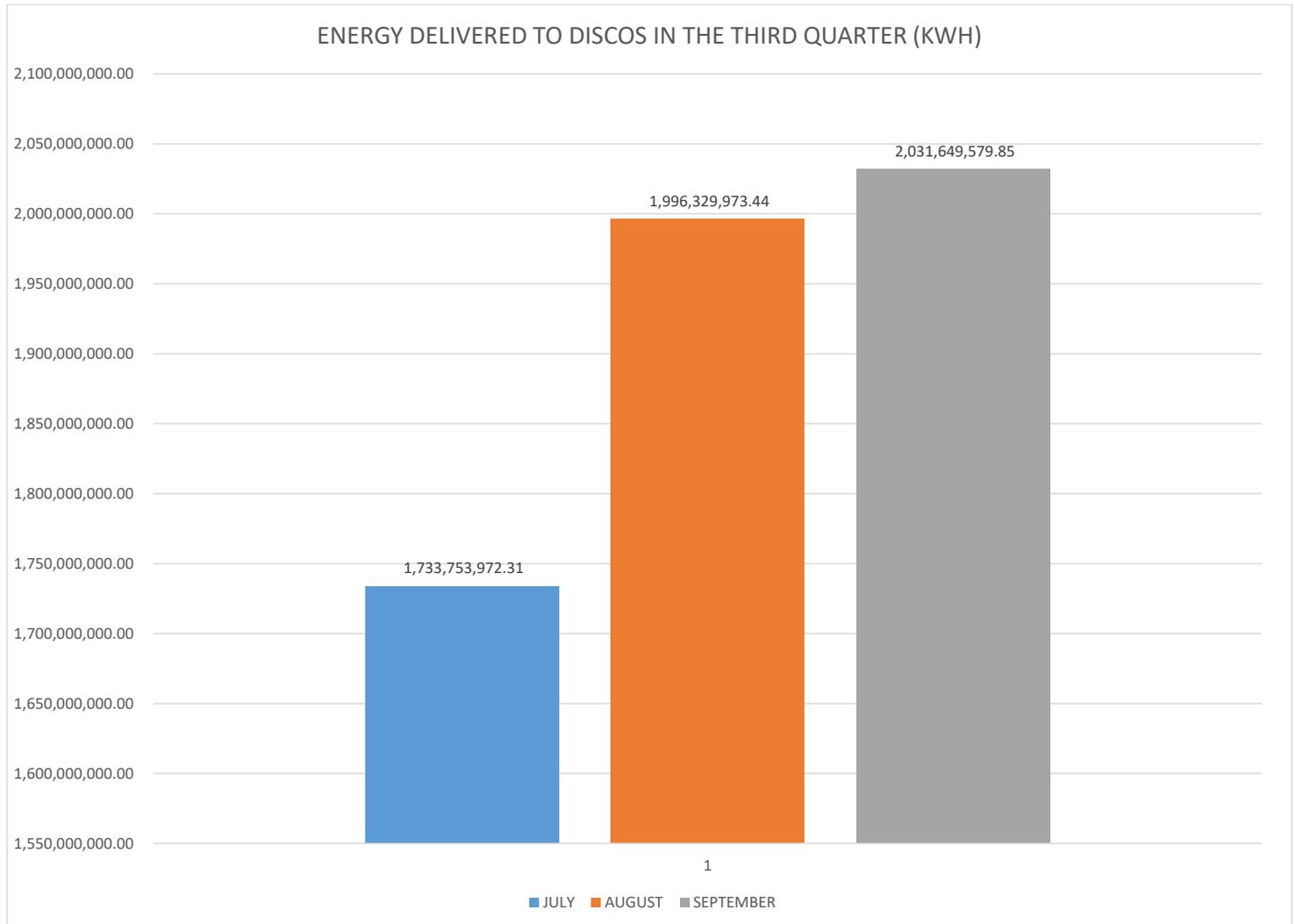
## September Delivery Chart



## September Delivery Analysis

- There was a drop in the energy received by Ikeja Disco with 14.93% compared to 15.78% it received in August.
- Ibadan Disco received 12.36%, a decrease from the 13.14% it received in August.
- Yola Disco received 3.18% a little higher than it did in August with 3.14%.

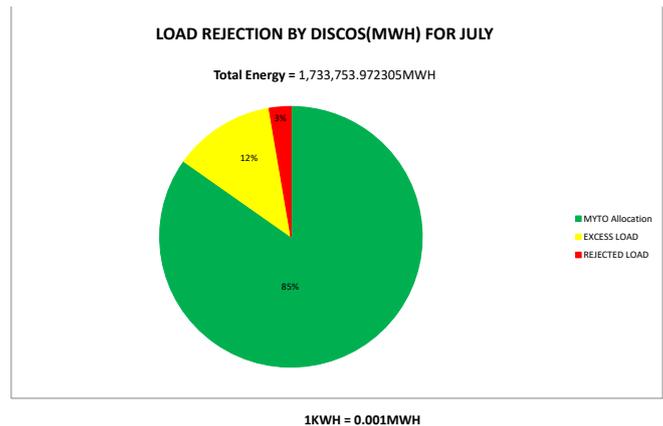
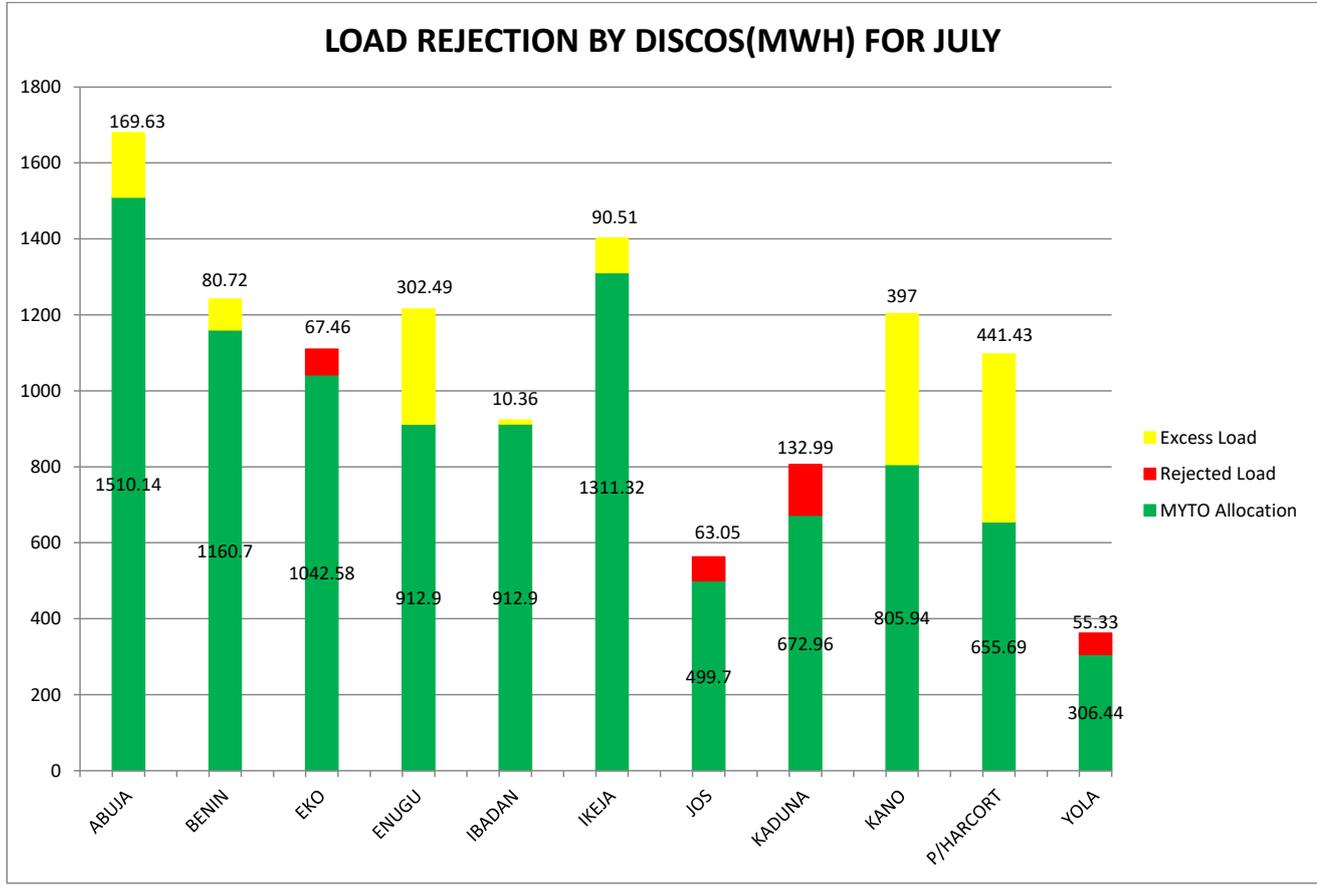
## Energy Delivered to Discos in 3rd Quarter



## 3rd Quarter Delivery Analysis

The chart shows the increasing supply of power to the Distribution Companies from 1,733,753,972.31KWH in July to 1,996,329,973.44 KWH in August and up to 2,031,649,579.85KWH in September. Percentage rise of power delivered to the Discos in July to September was 14.663%.

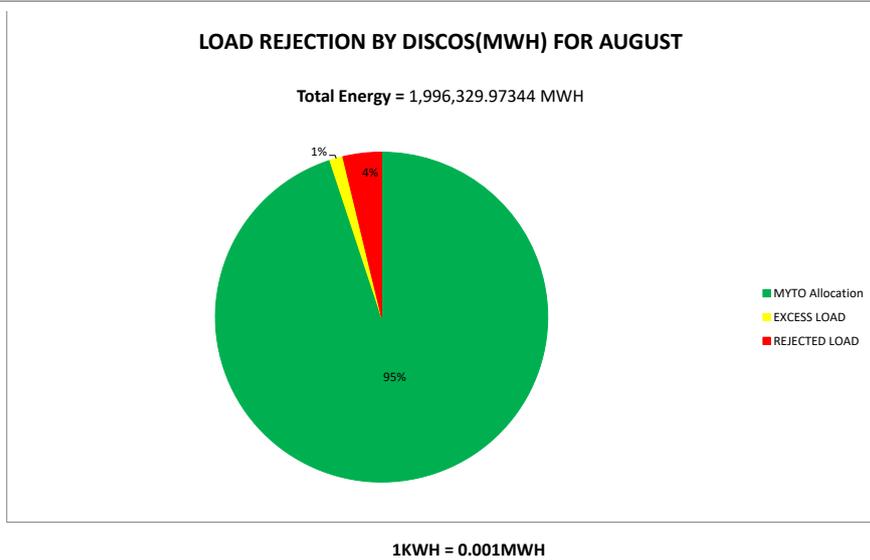
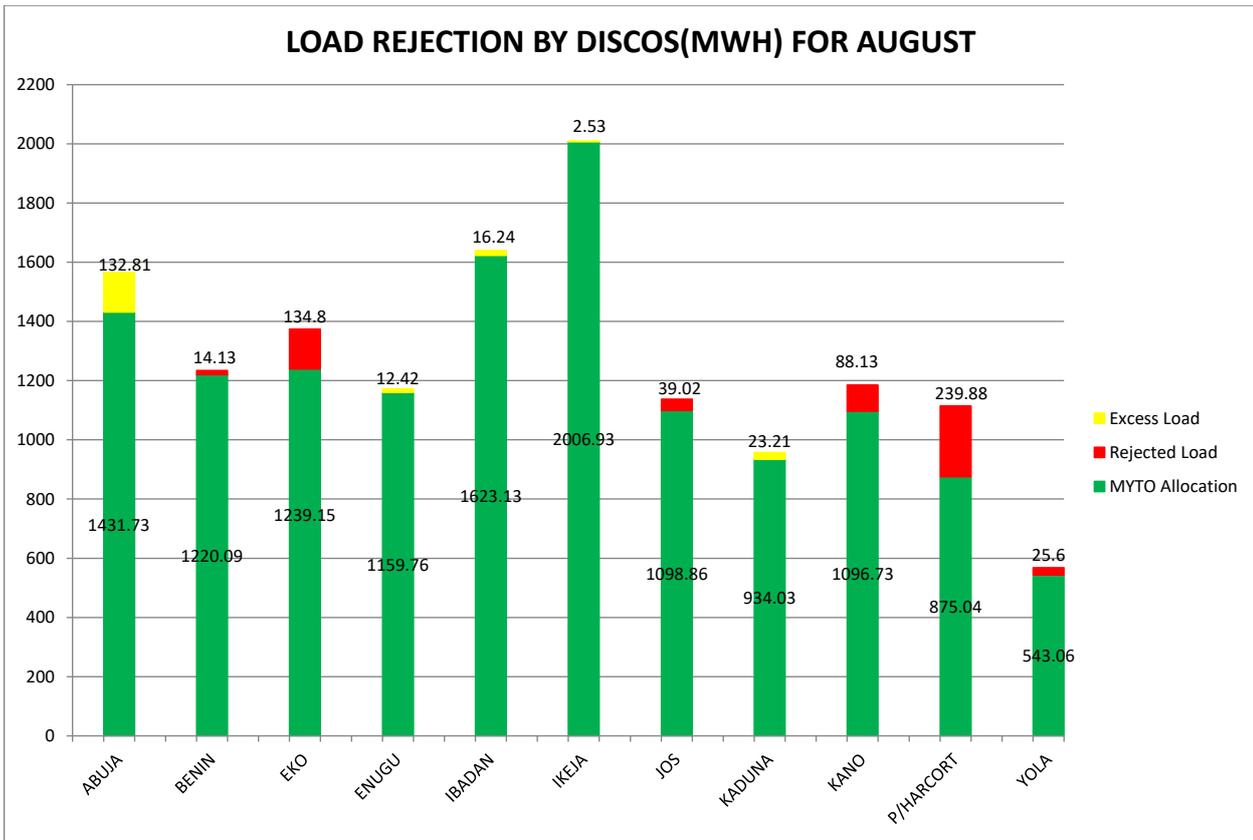
## July Load Rejection /ExcessChart



## Analyses

- In the month of July 2016, a total of 318.83MWH is 3% of total energy delivered to the electricity distribution companies was rejected by 4 DISCOs.
- Kaduna Disco rejection of 132.99 MWH made it the highest load rejection in the month. Eko Disco rejected 67.46MWH, Jos rejected 63.05 MWH, while Yola Disco rejected 55.33 MWH.
- There was a total load of 1492.14MWH in the system, excess of the MYTO allocations that the DISCOs accepted. Port Harcourt DISCO took in the highest at 441.43MWH, Kano DISCO took in 397MWH, while Enugu DISCO collected 302.49MWH, among others.

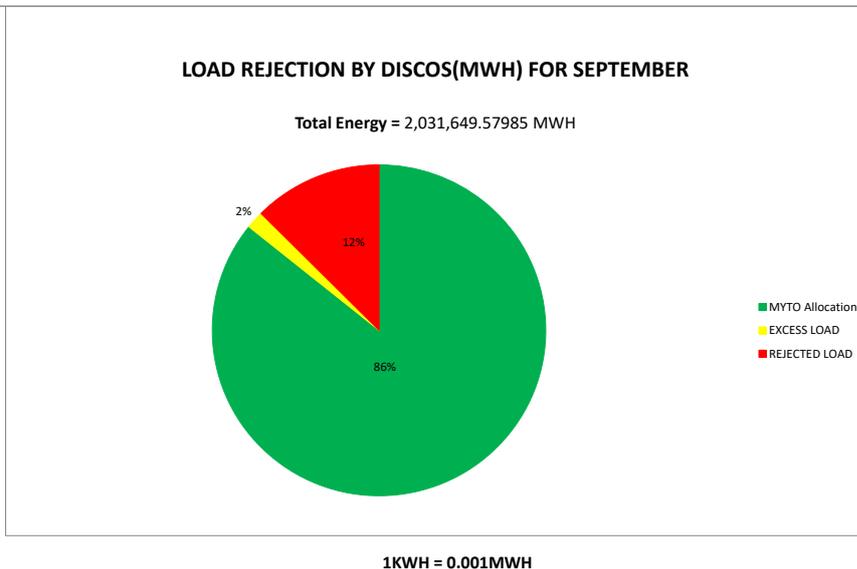
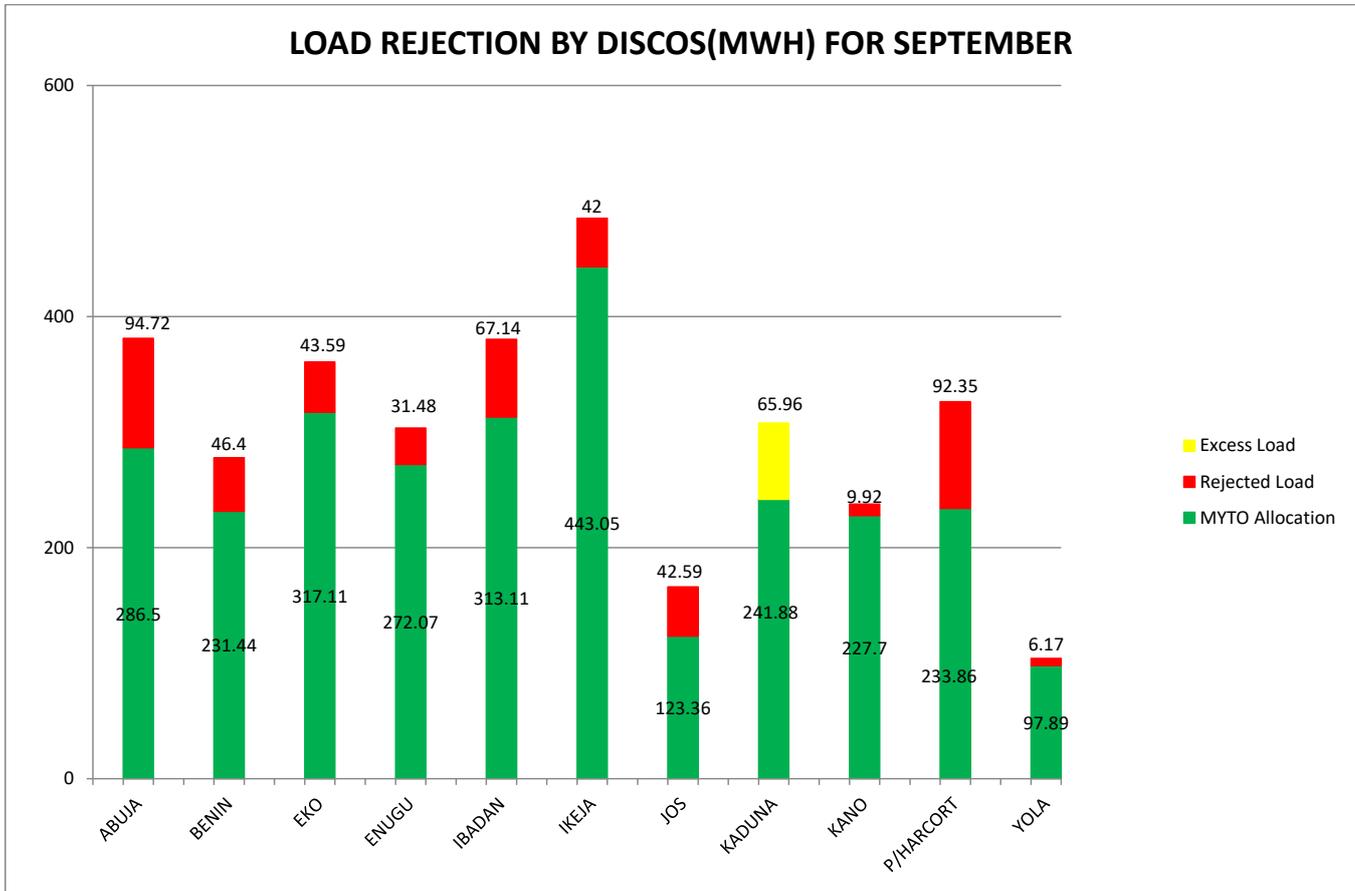
## August Load Rejection/Excess Chart



## Analyses

- In August, there was an increase in load rejection by the distribution companies to the tune of 541.56MWH which was 4% of total energy delivered to them as against 318.83MWH which was 3% of delivered energy in July.
- Port Harcourt Disco rejected the most power with a total of 239.88MWH. This was followed by Eko Disco with 134.8 MWH.
- Five Discos took excess load beyond their MYTO allocation to the tune of 187.21MWH. Abuja Disco took the most with 132.81 MWH, followed by Kaduna Disco with 23.21 MWH, Ibadan Disco with 16.24 MWH and Enugu with 12.42 MWH.

## September Load Rejection/Excess Chart



## Analyses

- September witnessed the rejection of 476.36MWH in the system and it was 12% of total energy delivered to the DISCOs. It therefore constituted the highest load rejection in the quarter.
- Abuja Disco rejected 94.72 MWH followed closely by Port Harcourt Disco with 92.35 MWH, Ibadan was next with 67.14MWH and Benin Disco with 46.40 MWH.
- Among all the Discos, only Kaduna Disco accepted power beyond the MYTO allocation. It was 65.96 MWH in excess of its MYTO allocation.

Publisher Engr Musa Gumel  
 Editor-in-Chief Clem Ezeolisah  
 Editor Orby Michael-Kasim  
 Senior Reporter Kazah Bili Akau  
 Senior Reporter Stella Ejikonye  
 Reporter I Joy Murna Egbase  
 Reporter II publicaffairsiso@nsong.org  
 Correspondence: Public Affairs  
 TCN ISO Corporate HQ  
 Maitama, Abuja  
 E-mail: publicaffairsiso@nsong.org

## HR Introduces TQM Principles to Boost Service Delivery

The Human Resource, HR, practitioners in ISO have resolved to operationalise the principles of Total Quality Management, TQM, in all their operations so as to take ISO to the next positive level in service delivery.

In the last Quarterly Conference of all top HR managers in ISO, which was held in Benin City, Edo State, on 9th and 10th November, 2016, the HR team examined the TQM principles and how to integrate them into their daily practices.

Mrs Abiola Ahagbaje, Ag. General Manager, HR, opened the discussions with her presentation on the history of TQM and the benefits

if adopted into ISO HR practice. Three other presentations followed; Chuks Nnaji's paper was on the concept and philosophy of TQM, while Mrs. Raheema A. Nyako's paper was on Total Quality and Performance Management. The third presentation by Clem Ezeolisah was on how HR could leverage effective communication to achieve TQM goals in various HR operations.

Before the conference commenced, the team paid courtesy calls on the AGM (Operation), Engr. Kingsley Osuoha and the General Manager (Transmission), Engr. Victor Adewumi, who was represented by the AGM (T), Engr. Madufor John – Madufor.

An 11 – point communique to drive HR per-

formance going forward was later produced. They include; HR

Heads have to internalize TQM principles and must strive to achieve and maintain high quality service delivery through timely and efficient execution of work processes; that job descriptions be drawn and KPIs developed for all staff to enable measurable performances as well as that the present Performance Evaluation processes

should be made more objective by introducing other periodic as-

essment milestones prior to the Annual Appraisal.

It was also resolved, among others, that HR must improve on the use of various communication platforms by providing all information as it relates to assignments through circulars, seminars, group meetings etc. to facilitate employee's enthusiastic participation in order to deliver more quality services.

To round-off the Quarterly Conference, the HR team hosted a send forth party for Mr Edafe Agbadamashi, Senior Manager (HR), Shiroro Region who would be retiring in December 2016. Mr Agbadamashi commended his colleagues for honouring him with the send forth party and the managements of ISO and TCN for the opportunity to serve in the organisation.



The HR Team in a group photograph in Benin

**T**he electricity distribution companies in Nigeria, DISCOs, have been called out by the Nigerian Electricity Market Operator to improve their monthly remittances to the market or have their accounts escrowed.

The Market Operator, Mr Moshood Saleema was speaking at the Stakeholders Workshop that had the representatives of all market participants including generating companies, GENCOS, distribution companies, DISCOs, and other service providers.

According to the Market Operator, the Nigerian Electricity Market is in bad shape as the DISCOs make only 30% remittances on the invoices they get on monthly basis and that such poor remittances have critical negative impacts on the operations of other operators and segments of the value chain, especially the generation and gas companies.

It would be recalled that the generation companies have threatened to shut down their turbines as a result of huge market debts. Some have even gone to court to get reliefs.

Mr Saleema believes that the DISCOs have to improve on their monthly remittances, otherwise their accounts would be escrowed and their security deposits would be called up in the event of default. He also urged all market participants to recommit themselves to the market and embrace market discipline and compliance for the greater good of the sector and the nation at large.

The MD/CEO, TCN, Engr (Dr.) Atiku Abubakar, who was represented by the MD, TSP, Engr Tom Uwah called on the DISCOs and other market participants to shun indiscipline and disregard to the ruling documents. He stated that lack of funds from the market has affected the completion of several TSP projects aimed at upgrading TCN capacity to wheel more power



(L-R) Market Operator, Mr Moshood Saleema; MD, Covenant Plus Engineering, Mr Alabi Olaoluwa; Head, Power Team, NAIF, Prof Chidi Onyia; MD, Engr Musa Gumel, GM, Regulation, Engr Ahmed Kaitafi and AGM, ICT, Mrs Oni

to the DISCOs.

He however announced that TCN would achieve 6000MW wheeling capacity by the end of 2016.

Speaking while welcoming guests, the MD, Independent System Operation, ISO, Engr Musa Gumel also called on market participants to respect the ruling documents in the industry and refrain from self-help and even resorting to the courts. He advocated that market participants should explore all the dispute resolution platforms established by the regulator for the resolution of any dispute in the industry.

Two detailed presentations were made at the workshop. Mr Benedict Ogbu, Head, Settlement, Market Operation, presented a paper on 'Billing and Settlement Issues' in which he enlightened participants on the billing and settlement process in the market.

The second presentation was by Prof Chidi Onyia, Head, Power Team, NAIF, on 'Market Discipline'. In the paper, the Prof shared the blames for the current parlous state of the market among all market participants. And in order to remedy the situation, he called on all participants to recommit themselves to market discipline, transparency and respect of all contractual agreements and obligations to enable the market operate effectively and achieve the desired outcomes.

The Managing Director, Engr. (Dr.) Atiku Abubakar, has urged all staff of the company to embrace change and tow the line of the new trends facing the power sector. This he said is to be achieved through the change re-orientation being organised by Change Management Committee just inaugurated in TCN.

The MD made this known when he led the Change Management Team to various TCN Regions and explained that all legacy companies involved in the generation and distribution of power have been privatized except TCN which now needs to be repositioned to enable it achieve its strategic vision, compete effectively and thrive in today's changing business landscape.

He added that the Change Management initiative is expected to drive changes in our business processes, work culture and attitudes that would enable us achieve peak performance.

The Change Management strategy was developed by TCN management in conjunc-

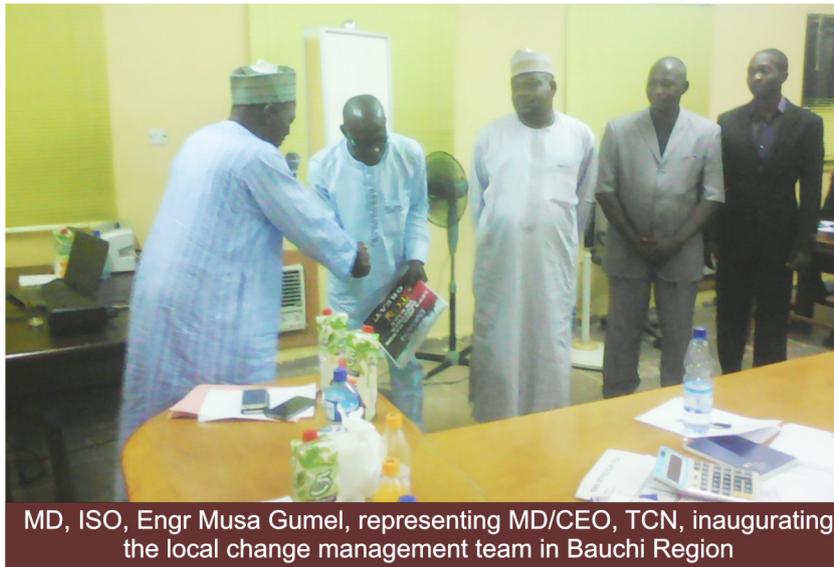
tion with National Infrastructure Advisory Facility (NIAF). The Change Management Committee was inaugurated in the Corporate Headquarters with the Director (HR & CS), Halima Aliyu as Chairperson to implement the change initiative.

In its effort to take the change initiative to all staff, the Change Management

Committee has visited all the TCN regions where interactive workshops were organized with the staff participating. During the workshops, the current negative attitudes, desired work culture and steps to adopt to achieve the

desired work behaviors were identified by the staff who thereafter committed themselves to the change initiatives.

At the end of the workshops, a local change management team was inaugurated in each region with either the General Manager (Transmission) or AGM (Operation) as chairman. This local change team is to drive the change program in the region and regularly report developments to the HQ based Change Management Committee.



MD, ISO, Engr Musa Gumel, representing MD/CEO, TCN, inaugurating the local change management team in Bauchi Region



**Zakari Jauro - son of Mrs Grace Sambe - Jauro, Public Affairs**



**Rachael Akau - daughter of Kazah Bili Akau, Public Affairs**

The Harmattan season, in Nigeria, is a period between early November and Mid-March when people experience hot, dry wind that blows from the northeast or east in the Western Sahara. It is generally associated with large amounts of dust, which usually impedes air, road and water transportation.

Dry skin, chapped lips, dry, brittle hair and cracked soles are just a few of the adverse effects associated with the harmattan weather. Men are usually the worse hit as a majority are not keen on using skincare products regularly which makes things tougher – or should I say rougher – for them. However, these are sure tips that you can follow in order to survive the changes this season brings.

## Stay Hydrated

The importance of water cannot be overemphasized. Be sure to up your water intake and avoid carbonated drinks as much as possible.



## Moisturise

The best way to do this is by applying cream on your body before the bath water left on your skin completely dries up.



## Use Butter and Oils

Investing in a jar of naturally occurring butters and oils such as Shea butter or coconut oil will do you a world of good. This will help you lock in moisture on your skin and prevent your skin from looking like that of an alligator. The use of these products on your feet would prevent cracked feet.



## Invest in Lip Balm

The lips tend to suffer a lot this season so invest in a lip balm or a couple and carry it about as this will help keep chapped lips



at bay. With all the holiday parties lined up for you to attend, it would be a disaster if a babe you meet refuses to give you her digits because your lips were a turn off. Lip balms contain ingredients to protect your lips from cracks.

## Take care of your hair

Being a guy does not mean you should not invest in a jar of leave-in conditioner especially as you have decided to keep hair – on your head or face. This season is the time to be faithful to your hair care regime or risk having frayed hair. Moisturise, condition and seal in moisture as often as you can.



## Wear warm clothing

Let your style game shine through this season in your cardigans, mufflers, head warmers and gloves. Even though, it's got to be weather appropriate. Harmattan mornings and evenings are typically colder while the afternoons are warmer. So with that in mind, remember layering is key! You can wear a buttoned-up cardigan over your shirt in the morning then take it off as the temp heads north!



Finally, you want to make sure that you clean your surroundings often to prevent accumulation of dust, increase your vegetables and fruit intake to help boost your immune system and increase your intake of vitamin C to prevent cold, catarrh and sneezing. And if you do sneeze, please cover your nose with a handkerchief or sneeze into your inner elbow.

Culled from the internet