



# INDEPENDENT SYSTEM OPERATION, ISO, *newsletter*

*Responsible National Grid and Market Administration*

**Vol. 01 : 2016**

### Mission Statement

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

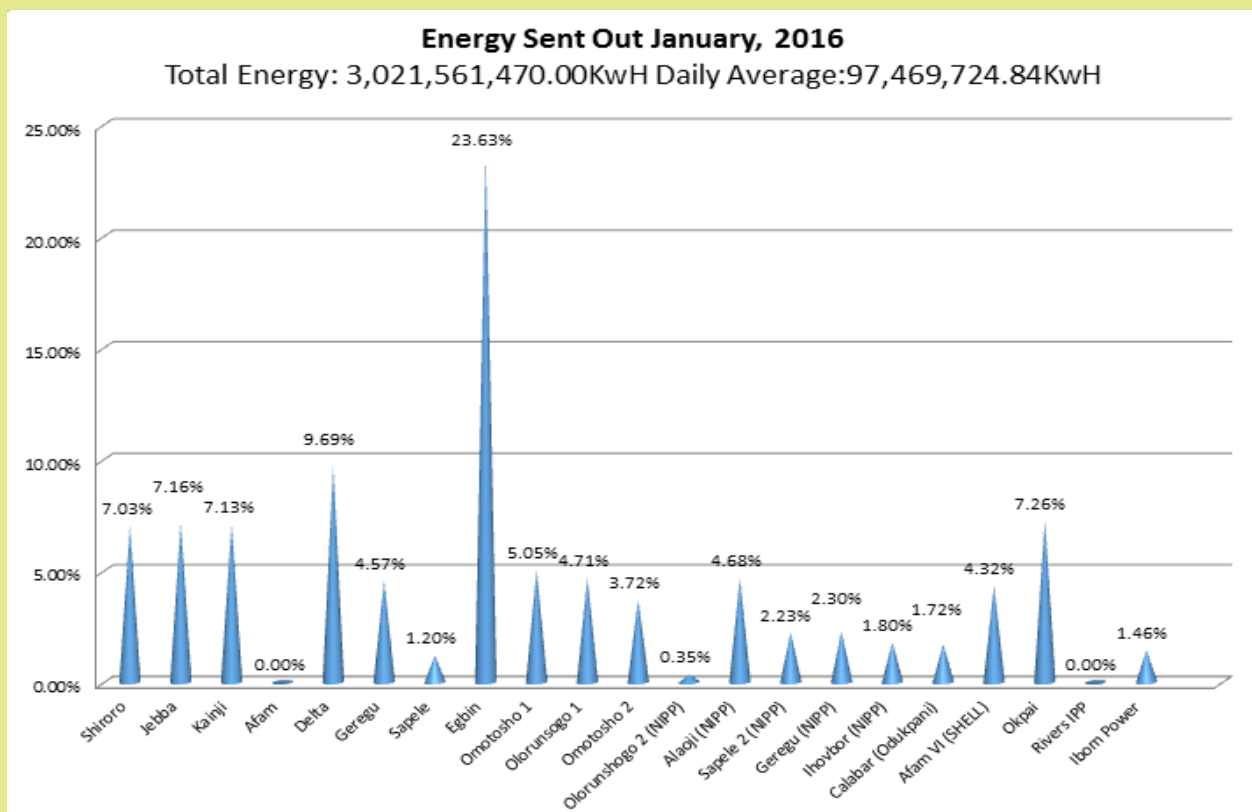
### Vision

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

## National Grid Performance Information

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

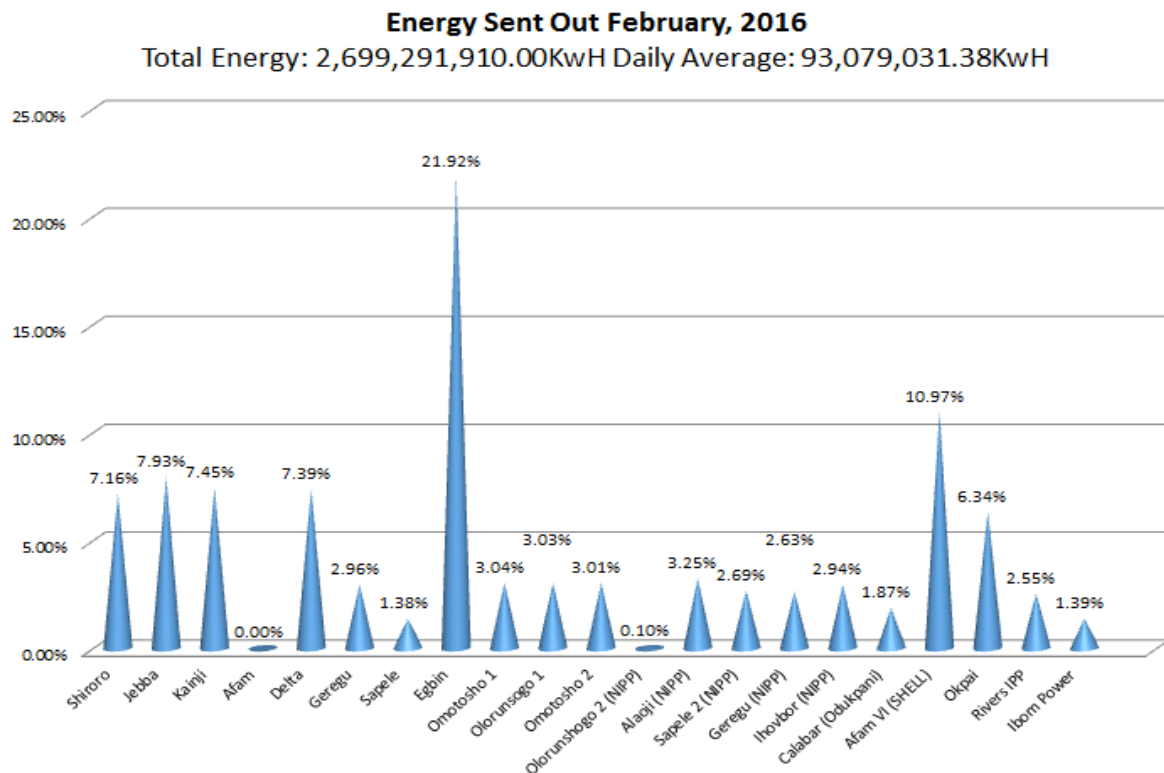
### JANUARY 2016 PERFORMANCE CHART



## JANUARY PERFORMANCE ANALYSIS

1. While Egbin Power Station contributed the most (23.63%) to the National Grid, the least contribution (0.35%) came from Olorunsogo Power Station (NIPP).
2. Two power generating stations were off-line. They did not make any contribution to the National Grid. They are Afam and a group of power plants classified as Rivers IPP.
3. The three Hydro Power Stations contributed 21.32% to the National Grid.
4. The six NIPP Power Plants (Olorunsogo 2, Alaoji, Sapele 2, Geregu 2, Odukpani and Ihovbor) contributed 13.08% to the National Grid.
5. The privatized thermal power stations; Delta, Geregu 1, Sapele 1, Egbin and Olorunsogo 1 provided 43.80%.
6. The 5 Independent Power Producers; Omoshoto 1 & 2, Afam VI (Shell), Okpai and Ibom Power, together contributed 21.81% to the National Grid.

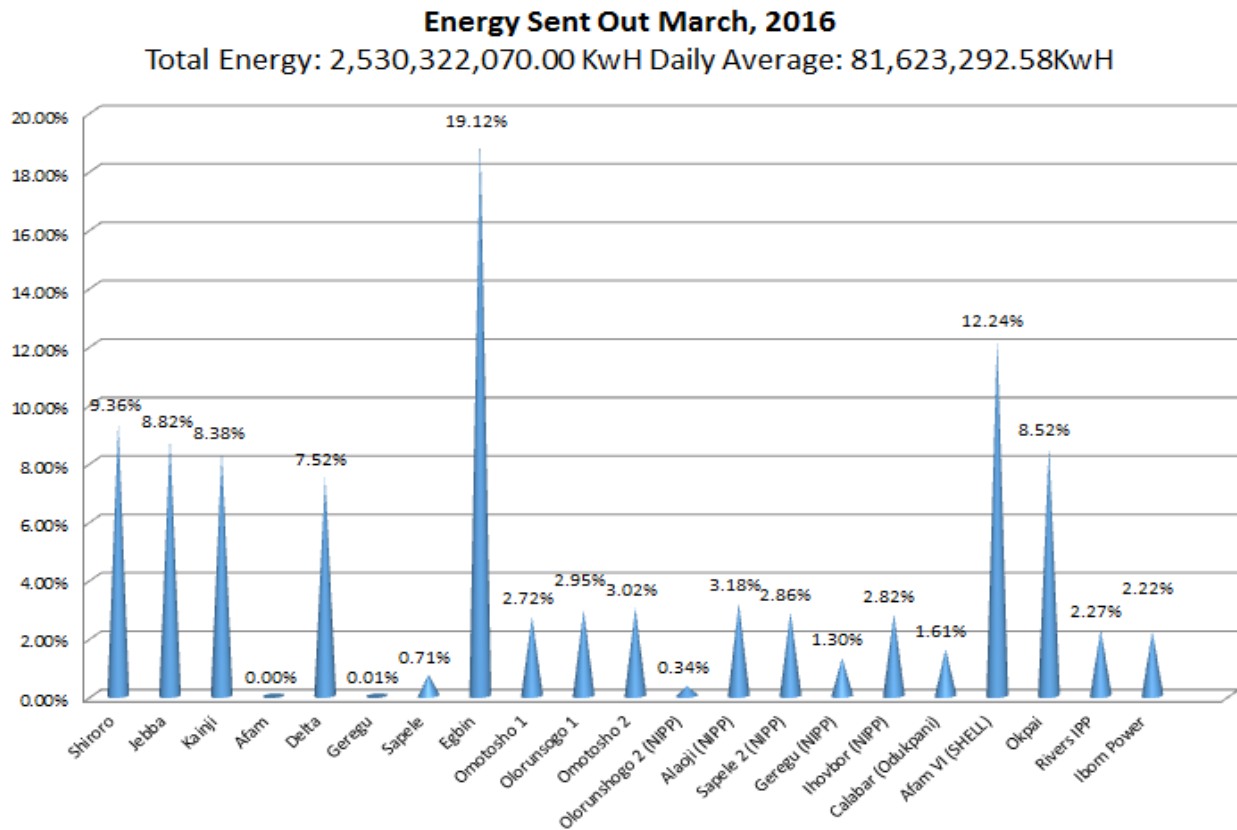
## FEBRUARY PERFORMANCE CHART



## **FEBRUARY PERFORMANCE ANALYSIS**

1. Twin peak records were achieved on Tuesday, 2nd February, 2016.
  - a. The highest peak generation of 5074.7 MW was attained on Tuesday, 2nd February, 2016.
  - b. The highest maximum energy delivered nationwide of 109,372 MWH was also achieved. The previous peak generation was 4883.9 MW achieved on Monday 23rd November 2015, while the previous highest maximum daily energy wheeled nationwide was 107,442.32 MWH recorded on Tuesday, 26th January, 2016.
2. Three of the power stations which have been dormant: Omoku, Trans – Amadi and River IPP, now classified as Rivers IPP, came on stream and started making contributions into the National Grid. While the main Rivers IPP feeds directly into the Grid, Omoku and Trans- Amadi's contributions are on 33kV pending when some lines and substation issues are sorted out.
3. The three hydro power stations made a combined contribution of 22.54% into the National Grid in February, a marginal rise from 21.32% in January.
4. Egbin Power Station made a single contribution of 21.92% into the Grid. However, in combination with other privatized thermal plants, they produced 36.68% of the power in the System in February as against 43.80% in January.
5. The NIPP Plants marginally upped their contribution from 13.08% in January to 13.48% in February.
6. Great contribution came from the Independent Power Producers whose combined contribution was 27.30% against 21.81% in January. Afam VI Power Station operated by Shell Corporation increased her production from a little over 4% in January to almost 11% in February and then three power plants classified as Rivers IPP came on stream.

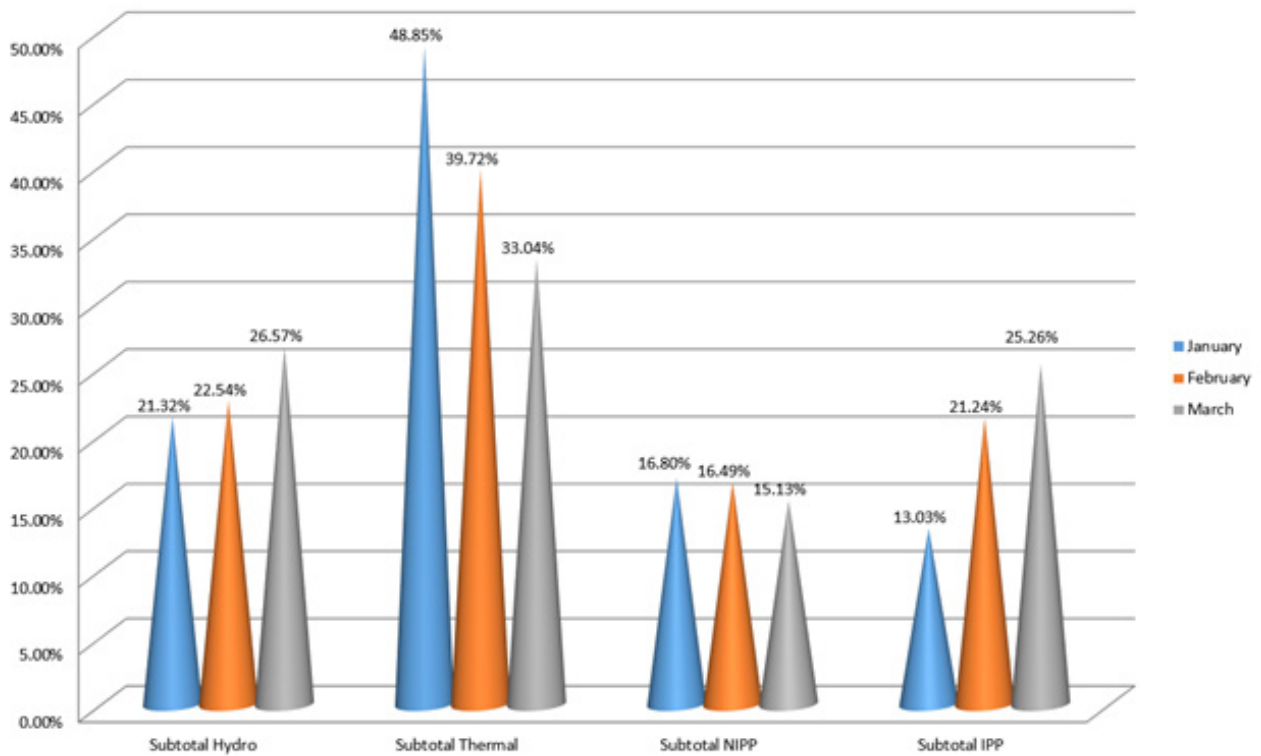
## MARCH PERFORMANCE CHART



## MARCH PERFORMANCE ANALYSIS

1. The hydro power stations increased their combined contributions in March to 26.56% as against their combined contributions of 22.54% in February 2016.
2. Egbin Power Stations produced 19.12% of the power in the system. There was also a drop in the contribution of privatized thermal power stations in March as they produced only 30.31% as against 36.68% in February.
3. There was also a drop in the contribution from the NIPP Power Plants from 13.48% in February to 12.11% in March.
4. Increased contribution was witnessed in the offering of the IPP Plants as their input into the National Grid was 30.99% as against 27.30% in February.
5. The National Grid experienced a total system collapse on Thursday, 31st March, 2016 due to poor generation by the power stations as a result of gas constraints.

## GROUP CONTRIBUTIONS FOR FIRST QUARTER, 2016



### QUARTER CHART ANALYSIS

The Quarter Chart is self-explanatory. The Hydro Group contribution improved from 21.32% in January to 26.57% in March. The NIPP Group contribution marginally dropped from 16.80% in January to 15.13% in March.

While the Legacy Thermal Group contribution drastically dropped from 48.85% in January to 33.04% in March, the contribution from the IPP Group was the most improved- from 13.03% in January to 25.26% in March.

## **ISO Management Re-Strategizes for Improved Service Delivery**



**Participants  
after the meeting**

**T**he management of the Independent System Operation, ISO, has held its yearly 2-day strategic meeting with all the regional operations Asst. General Managers and the outcome of the meeting was a resolve to improve system operation service delivery in the power supply value chain. The strategic meeting was held in Abuja on 1st and 2nd June, 2016 in Abuja.

The ISO Managing Director, Mr Dipak Sarma and the Director, System Operation, Engr Musa Gumel addressed the meeting. They discussed the strategic plans of the mother company, Transmission Company of Nigeria, TCN, on ways to re-strategize ISO to drive credible performance levels.

Besides discussing the current challenges of poor power generation arising from gas constraints and vandalism and their immediate as well as long term implications

on the entire electricity market and ISO in particular, the two top managers assured that all stakeholders were working in concert to improve the situation.

Under the moderation of the General Manager, System Operation, Engr Momoh Lawal, the meeting discussed various topics which included manpower placement, training and deployment; work-tools, office, SCADA operation, project management and funding. Others were relationship with sister organizations like Transmission Service Provider, the Generation and Distribution Companies.

During the interactive sessions, the field managers articulated their challenges and through cross-fertilization of ideas from the various participants, suggestions and strategies were proffered to overcome the challenges and deliver superior services.

## Capacity Building: MHI Trains ISO Staff on Effective Communication Skills



Participants with the MHI Resource Expert, Kamila Konieczny (3rd left)

The Management of Manitoba Hydro International (MHI), through its resource person, Kamila Konieczny, on Wednesday, 8th June, 2016 organized a one - day training for the staff of Human Resources and Public Affairs departments of Independent System Operation (ISO).

The training was on Report Writing, basically on Steps to Effective Writing, Consistency in report writing, Uses of abbreviations and Acronyms, Numbers and Symbols, Tense and Persons Perspective, Purpose, Hyphenation, Punctuation, Spelling and Capitalisation, Bullet points, Supporting Visuals for example, Charts, Tables, Graphs, Photos, Videos etc.

Others are Tips for formatting documents which include Type size for general readability practices, and refining of documents which also is a step to ensuring your document is complete and error free. The lecturer emphasized the different Communication Styles while dealing with both higher and lower managers in an office environment. Four major categories of communication styles were identified and treated and rated as High Sociability, Lower Sociability, High Dominance and Low

Dominance.

**This Communication Styles were further categorized as follows;**

**Director** - This is treated as the leadership style that involves the following; Being specific, brief and to the point, Use time efficiently, Maintain a pace that is fast and decisive, Project an image of strength and confidence, Messages should be short and to the point, presents fact logically.

**Reflective** - This group of individuals are seen as follows; appeal to orderliness, systematic approach to life and issues, being well organised, straight forward direct manner or approach, being as accurate and realistic as possible when presenting information, getting down to business quickly and being detailed in both oral and written messages.

**Supportive** - This group possesses these characteristics; show of sincere interest in the person, take time to identify areas of common interest, patiently draw out personal views and goals, listens and be responsive to the person's needs, presents your views in a quiet, non-threatened

manner, do not be pushy, put a priority on relationship building and communication.

**Emotive** - This group is known with the following; take time to build a social as well as a business relationships, create time for relating and socializing, displays interest in the other person's ideas, interests and experiences, do not place too much emphasis on details, like fast - moving, inspirational verbal exchanges

and maintains a pace that is fast and somewhat spontaneous.

Towards the end of the training program, there was an interactive session where participants gave their views on the general overview of the programme, its benefit, and the implementation processes on official routine functions as well as rating of MHI resource person's performance.



Engr Imagha, AGM (TEM), NCC

## **The Role of Transitional Electricity Market (TEM) office in System Operation**

The office of the AGM, Transitional Electricity Market (TEM) is a new department in System Operation created as a result of the Electricity Reform Act of 2015, and the privatization of the Electricity Industry in 2013. The department started operation on 1st February, 2014 with the pioneer Assistant General Manager (AGM), Engr. Chris Chikezie (retired).

The department which is currently under the leadership of Engr. Kingsley Imagha has witnessed a lot of improvement in the area of Data format sheet, Disco Real-time Load dispatch and Genco Real-time generation dispatch. Recently, training on the use of Regulating Reserve dispatch tools was organized in preparation to introduce Regulating Reserve in the management of the National Grid. TEM office is saddled with lots of responsibilities, such as; provision of contract quantities required

for settlements to NBET and SO/MO.

In order to keep track of the flow of electricity in the system and also institute transparency, the office of the AGM (TEM) is an hourly market capable of tracking and reporting daily operational and meter data for Market Settlement. TEM equally Supports the Market Operator (MO) and Nigeria Bulk Electricity Trader (NBET), and also co-ordinates with Market participants to confirm contract quantities on daily basis by monitoring and reporting their activities.

The Manitoba Hydro International (MHI), the Management Consultant for TCN played a very important role in establishing the department by providing the necessary working tools. TEM also works closely with the System Planning and Grid Controllers at NCC for effective Co-ordination of National Grid. The ICT (SO) department at the CHQ has been very strategic in providing the various dispatching tools for the department, and even participate in training of the participants from DISCOs and GENCOs.



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### ISO ENGAGES 60 ENGINEERS

The management of ISO has completed the process of engaging 60 young engineers into the core System Operation Sector of the company.

This engagement of 60 engineers will reduce the drastic shortage of system operators in the system which arose following the retirement of operators without replacing them through new employment. The new intakes would undergo some months of training before they are effectively assigned.

### Management Inaugurates Change Management Committee to Drive Positive Attitude Change

The Management of TCN has inaugurated the Change Management Committee to plan and execute a change management process in the organisation.

While inaugurating the committee on Friday, 17th June, 2016 the Managing Director / CEO, Mr. Mack Kast represented by Engr. Shahid Mohammad urged the committee to take the task seriously as the objective was to make staff more efficient and effective and be able to deliver superior services.

The committee, which is headed by the Executive Director (HR & CB), Ms. Leah Reinsfelt and Director (HR & CS), Hajia Aliyu, is made of Human Resources and Public Affairs representatives of the two business units – TSP & ISO.

The committee's terms of reference include identifying in specific terms the current operations and orientations as well as the desired operations and orientations and evolving specific strategies to implement which would lead to achieving the desired state of operations and orientations.

To achieve its mandate, the committee would be setting timelines and sub-committees to drive and execute the change orientation process.

The HR management has already organised a train-the-trainer program for all regional HR managers to equip team with the relevant resources to drive the change orientation in their various regions.

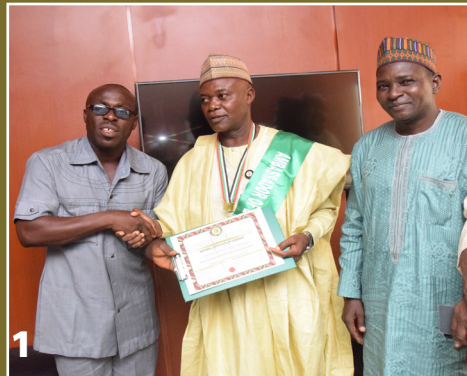


MD, TCN, Mr. Mack Kast Addressing the Change Management Train-the-Trainer Workshop, Corporate Headquarters, Abuja

# Socials

## Awards

1. Mr. Mohammed Isa being congratulated by the ED, CESVO, Prince Salih Musa Yakubu while Engr. Musa Gumel appreciates the occasion



2. Mr. Mohammed Isa with the CESVO visiting team



3. ANAN President, Chief Anthony Chukwuemeka Nzom Presenting Fellowship Award to Mr. Marcus Kurama (JP) of ISO (F&A), HQ



4. Engr. Felix Olusi receiving his Certificate after completing a program in Washington DC, USA



## Birthday/Retirement



1. Retiring GM (HR/CS), Mr. Raji Momodu cutting his birthday cake with MD/CEO TCN, Mack Kast and Director (SO), Engr. Musa Gumel

2. Mr. Momodu with managers of HR Division



## Passages

Mr. Dennis Ador, 46, staff of ICT Division HQ passed on so also the mother of the GM ICT, Ezinne Regina Azubuinne, (87 years). May their gentle souls rest in peace.

