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### Meetings, Workshops and Conferences

#### SAPP 39<sup>th</sup> Executive Committee Meeting

The SAPP 39<sup>th</sup> Executive Committee meetings were held in Lusaka, Zambia, at the Radisson Blu hotel. The meetings were officially opened by the Permanent Secretary for Lands, Energy and Water Development of the Republic of Zambia, **Mr. George Zulu**.

In his opening speech, he welcomed all SAPP delegates to Lusaka, Zambia, and went on to explain the strategy Zambia was employing to arrest the power shortages Zambia was facing following low water availability at the Kariba Dam. Zambia was only permitted to draw 305MW from Kariba and Zimbabwe 475MW. This was causing stress on the mining companies in Zambia.



*The Permanent Secretary for Lands, Energy and Water Development of the Republic of Zambia, **Mr. George Zulu**, officially opening the SAPP 39<sup>th</sup> Executive Committee meetings*



*SAPP delegates and the Permanent Secretary for Lands, Energy and Water Development of the Republic of Zambia, Mr. George Zulu, pose for a group photo outside of Radisson Blu hotel.*

#### SAPP 20<sup>th</sup> Anniversary Celebrations

The SAPP 20<sup>th</sup> anniversary celebrations were held in Lusaka, Zambia, at the Taj Pamodzi hotel



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in the evening. Delegates to the anniversary included the honourable Minister of Energy and Water Development of the Republic of Zambia, Hon. Dora Siliya, MP, the Deputy Minister of Energy and Water Development of the Republic of Zambia, **Mr. George Zulu**, the Permanent Secretary for Lands, Energy and Water Development of the Republic of Zambia, Rt General Emeldah Chola, Ambassadors from SADC Member States and other Members of the Diplomatic Corp.

The SAPP Coordination Centre used the occasion to honour former SAPP CEOs who contributed to the established of the SAPP more than 20-years.



*Former SAPP Executive Committee Chairperson and also formed EDM Chairman, **Dr Veloso**, registering for the ceremony*



*Honourable Minister of Energy and Water Development of the Republic of Zambia, **Hon. Dora Siliya**, MP, addressing the delegates*



*(Left to right: some of the founders of the SAPP) Dr Pat Naidoo, Mr Francis Masawi and Mr Ben Ramasedi.*



***Mr William Balet** (the first SAPP Coordination Centre Manager), and **Mrs Joyce Mutsau** (the first SAPP Finance and Administrative Office) pose for a photo during the 20<sup>th</sup> anniversary celebrations*



*Former SAPP Executive Committee Chairperson and also former ZESCO MD, **Mr Rhodnie Sisala**, receiving his award*



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(Seated from left to right)

Mr. Phiri (Acting MD for ZESCO), Mr. Joao Saraiva (MD for RNT, Angola), Mr. Alex Kadiayi (Director of Transmission, SNEL, DR Congo)

### ICH Training on SAPP Markets

The International Centre for Hydropower in Norway held a training workshop on electricity markets from the 9<sup>th</sup> to 12<sup>th</sup> of November 2015 in Johannesburg, South Africa. The training covered the following topics:

- Generation production planning and optimization
- Generation production planning tools and their practical usages
- IPPs integration to power markets
- The trading desk and the day to day duties
- South African electricity market presented by NERSA
- The SAPP Market Design and Operation

The training was attended by participants from utilities, consulting companies, universities and ministry officials from Uganda, Malawi and South Africa.

### SAPP Power Transfer Limits

The SAPP organised two workshops to determine power transfer limits on tie lines and key transmission paths on the interconnected power system. The first one was for power utilities in the ZESA and ZESCO Control Areas and was held from 10 to 12 November 2015 at

SAPP Coordination Centre in Harare. The second one was for power utilities in the Eskom Control Area and was held from 25 to 26 November 2015 at Eskom Simmerpan Office Complex in Johannesburg. Participants carried out power system studies using PSS/E® software. The determined power transfer limits will be applied in power system control and energy trading operations in the year 2016.

### State Grid of China (SGCC) - Eskom-TAP Symposium, Beijing, China

The SAPP CC was invited to take part in the SGCC - Eskom -TAP symposium that took place in Beijing, China. The SAPP Chief presented on the opportunities in SAPP, operational mechanisms and potential generation and transmission projects in Southern Africa.

### COMESA - SADC Regional Energy Efficiency Stakeholders Workshop Windhoek, Namibia 11 to 12 November 2015.

A regional Energy Efficiency (EE) stakeholder workshop jointly by Common Market for East and Southern Africa (COMESA) and Southern African Development Community (SADC) took place in Windhoek Namibia on 11 to 12 November, 2015. The workshop objective of the workshop was to explore synergies and coordination in energy efficiency activities in the region and to come up with a strategy that will create a platform for implementing energy efficiency in the region. The workshop agreed on the formation of four thematic groups as follows:

- Policy and action plan development
- EE standards and support mechanisms on the demand and supply side
- Information Dissemination, Awareness Raising and Capacity Building
- Business and Market Development

The SAPP would be member to all thematic groups except the Policy and action plan that would be composed of the SADC and COMESA.



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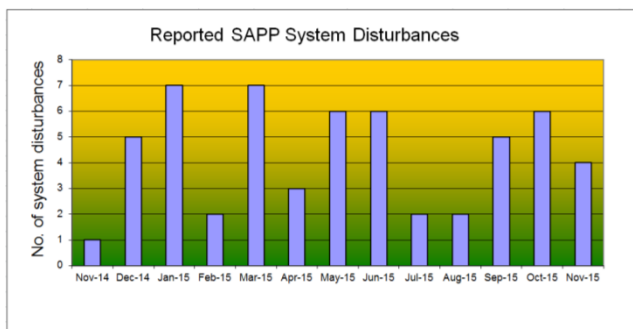
## System Operations

### System Disturbances

In the month of November 2015, four system disturbances were reported on the SAPP interconnected system. The first one was an under-frequency incident following tripping of a generation unit from 544 MW in South Africa. The other three affected the 330 kV interconnection between Mozambique and Zimbabwe due to:

- Failure of a VT (voltage transformer) on the main interconnection power transformer in Mozambique;
- Converter bridge fault at Cahora Bassa; and;
- Earth fault in adverse weather conditions.

Figure below gives an outlook of reported SAPP system disturbances.



*Reported SAPP System Disturbances*

## Update on SAPP Projects

### Zimbabwe – Zambia- Botswana –Namibia (ZIZABONA) Transmission Project

The Transaction Advisor (TA) for the project has submitted an Interim to the SAPP for comments. This has since been circulated to ZIZABONA project members for review and comments. The SAPP- Coordination Centre will respond to the TA as soon as comments are received from members.

### Mozambique –Zimbabwe-South Africa (MOZISA) Inter-connector Project

During the month of November, the technical work stream was in the process of finalising the Technical Input Report (TIR) with comments received during and after the Technical Workshop held on 28 October 2015. The updated TIR will be submitted for final review and approval during the week beginning 7 December 2015.

Environmental and Social Impact Assessment (ESIA) studies are currently underway in the three countries. The study will take into consideration International Finance Cooperation (IFC) standards.

### 400kV Botswana – South Africa (BOSA) Project

Procurement of a consultant to undertake Feasibility studies for the project is underway.

### Mozambique - Malawi Inter-connector Project

Procurement for the Technical and Environmental and Social Impact Assessment (ESIA) for the project was concluded during the month of November, 2015. The assignment is due to commence in January, 2016.

## Electricity Trading

### Energy Traded

Total traded volumes on DAM and PDAM was relatively higher in November 2015 at 127,192.40 MWhr. Of this, 86% or 109,784.70 MWhr was traded on DAM while 17,407.70 MWh or 14% was traded in PDAM. PDAM increased by 8,273.50 MWh or 91% in November 2015 when compared to October 2015 where 9,134.20 MWh was traded in PDAM. On the other hand DAM traded volumes decreased by 6,846.90 MWhr or 6% from the 116,631.60 MWhr recorded in October 2015.

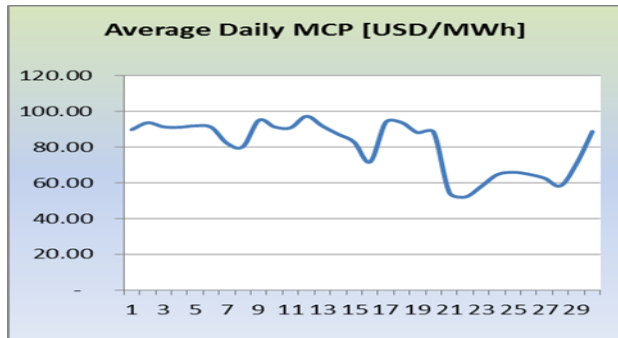


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## Market Clearing Prices

Prices were relatively stable in the market for most of the days during the month of November 2015. The average monthly market clearing price (MCP) was slightly lower during the month of November 2015 at 8.08 US\$/KWhr when compared to the 9.28 US\$/KWhr recorded in October 2015.



Average Daily MCP, November 2015

## Market Revenues

A total of **USD 9,432,382.85** was exchanged on the DAM and PDAM market during the month of November 2015 when compared to a total of **USD 8,733,361.40** exchanged in October 2015. The increase is mainly attributed to the increase in traded volumes.

## Environmental Corner

### Environmental Risk Management

The SAPP Environmental Sub-Committee (ESC) has completed a draft Environmental Risk Matrix for further work by members. Five categories of Risk Classification have been identified. These are;

- Extreme risk
- Very high risk
- High risk
- Moderate risk and
- Low risk

Further work will be done to come-up with a populated Risk Matrix by February, 2016

## Upcoming Events

DATE	EVENT
1 – 4 Dec 2015	RNT - NamPower - SAPP CC Meeting on Angola Namibia Interconnector Project, <b>Namibia</b>
1 – 3 Dec 2015	Botswana - South Africa (BOSA) Project – Technical Evaluation of Bids meeting, <b>Johannesburg, South Africa</b>
8 – 9 Dec 2015	HR Working Group Meeting, <b>Harare, Zimbabwe</b>
9 – 10 Dec 2015	BOSA Project – Financial Evaluation of Bids meeting, <b>Johannesburg, South Africa</b>
10 Dec 2015	Finance Working Group Meeting, <b>Harare, Zimbabwe</b>
8 – 10 Dec 2015	SAPP ZESA and ZESCO Control Areas Power Transfer Limits Studies Meeting, <b>Harare, Zimbabwe</b>
14-15 Jan 2016	SAPP-RERA-USAID Meeting, <b>Johannesburg, South Africa</b>
16-18 Feb 2016	8 <sup>th</sup> Annual Africa Energy Indaba <b>Johannesburg, South Africa</b>
24 Feb 2016	SADC Energy Thematic Group Meeting, <b>Gaborone, Botswana</b>
Feb 2016	46 <sup>th</sup> SAPP Management Committee Meetings, <b>Luanda, Angola</b>
22-25 March 2016	Power Pool Meetings / APUA Scientific Committee Meeting, <b>Dakar, Senegal</b>
31 March 2016 TBC	40 <sup>th</sup> SAPP Executive Committee Meeting, <b>Dar es Salaam, Tanzania</b>



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