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- Operation of the forward physical markets (month and week ahead markets) – FPM-M and FPM-W
- Operation of the bilateral wheeling and losses settlement modules
- Operation of the energy imbalance settlement module

A total of 28 participants from the SAPP attended the training.



Participants pose for a photo during the SAPP-MTP certification training in Johannesburg 2-4 February 2016

Meetings, Workshops and Conferences

SAPP Market Trading Platform Certification Training

A certification training for the SAPP Market Trading Platform was held on 2-4 February 2016 in Johannesburg, South Africa. The training covered the following:

- Operation of the day ahead market (DAM)
- Operation of the intraday market (IDM)

Power System Protection Coordination Meeting

Power system protection and operations engineers from Eskom, BPC, ZESA and ZESCO met at SAPP Coordination Centre in Zimbabwe on 9 February 2016. They discussed and evaluated various power system operational issues including the performance of the new special protection schemes on major interconnectors and operation of the 400 kV and 220 kV tie lines between Botswana and Zimbabwe.

Crime Prevention Working Group Meeting

The Crime Prevention Working Group (CPWG) meeting was convened in Gaborone, Botswana



during February, 2016. Among some of the strategies to combat vandalism discussed were the following:

- Replacing copper cables with aluminum conductors.
- Interface with relevant stake holders e.g. scrap dealers, police investigators and Judiciary
- Marking/branding of utility construction materials.
- Adopting Standard Operating Procedures.
- Hardening of targets.
- Positioning of Transformers in 10m high concrete poles that will make it difficult for the thieves to reach.
- Installation of (mobile) alarms, siren and light in Transformers situated in all high risk areas.
- Community participation to take ownership and help fight crime, through utility's community forum
- Joint operations with Law enforcement agencies
- Regulate disposal of decommissioned equipment

Joint Markets and Planning Sub-Committee Meeting on Transmission Pricing

The SAPP Markets Sub Committee (MSC) and the Planning Sub Committee (PSC) held a joint meeting on 11-12 February 2016 in Harare, Zimbabwe to discuss the transmission pricing model for SAPP. The meeting came up with a way forward and strategy on the roadmap for implementation.

46th SAPP Management Meetings

The 46th SAPP Management Meetings were held at Talatona Conference Centre in Luanda, Angola, from 22 to 24 February 2016. All the four sub-committees of SAPP (Environmental, Markets, Operating and Planning) met and discussed pertinent issues and activities necessary to meet the objectives of SAPP. The Management Committee also met to give guidance and direction to the sub-committees.

The meeting was opened by Mr Luis Filipe da Silva - Secretary of Water in Angola. In his key note address, he stressed the importance of regional integration.



João Moreira Pinto Saraiva - President of the administration board of the RNT at the Official Opening



Guest of Honour Mr Luis Filipe da Silva - Secretary of Water



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Some Delegates at the Meetings pose for a Group photo

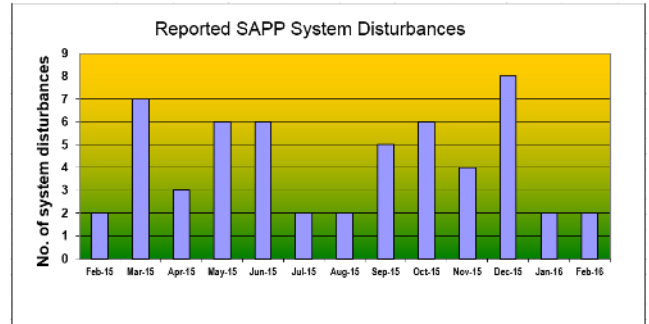


Members of the Management Committee

System Operations

System Disturbances

In the month of February 2016, two (2) system disturbances were reported on the interconnected power system. In the first one, for a very short duration output power of one generator in South Africa was swinging by about 400 MW. The oscillations were also picked up by the tie line between Botswana and Zimbabwe but the power systems to the north were very stable. The second one was an incident of low frequency. The power system frequency briefly dropped to 49.45 Hz when a unit generating 640 MW tripped in South Africa. The instantaneous customer demand response scheme operated to quickly arrest the frequency decay. The 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

An interim report was received from the Transaction Advisor and the Project Coordinator is awaiting a response from project sponsors on the preferred funding options for the project.

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

During the month of February, the technical work stream was in the process of developing the Steady State Model for each EDM, ZESA and Eskom. Individual mini-workshops were held with each of the utilities to present model results as well as to obtain feedback from the utilities on any updates required.

Environmental and Social Impact Assessment (ESIA) studies are underway in Mozambique and Zimbabwe. In South Africa, a specialist integration meeting was held between Baagi, the environmental specialists and the Transaction Advisor (TA) (GIBB) to discuss the way forward for the planning and completion of the specialist studies in terms of the South African legislation.



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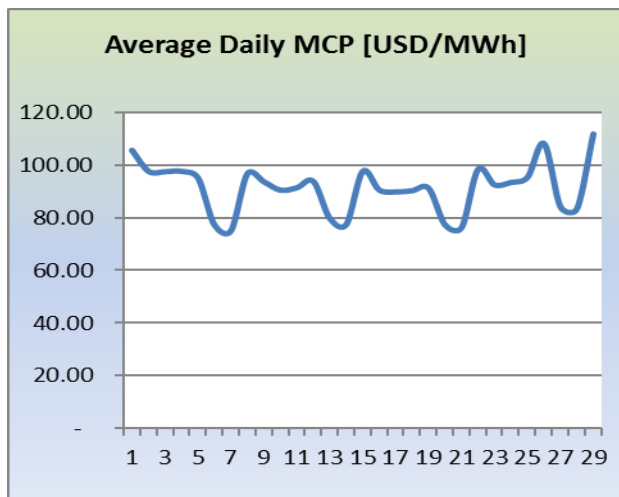
Electricity Trading

Energy Traded

Total traded volumes on DAM and intra-day market (IDM) was relatively lower in February 2016 at 60,168.40 MWh. Of this, 80% or 48,251.40 MWh was traded on DAM while 11,917.00 MWh or 20% was traded in IDM. IDM increased by 3,397 MWh or 40% in February 2016 when compared to January 2016 where 8,520.00 MWh was traded on IDM. On the other hand, DAM traded volume decreased by 11,735.30 MWh or 20% from the 59,986.70 MWh recorded in January 2016.

Market Clearing Prices

Prices were relatively stable on the competitive market for most of the days during the month of February 2016. However, the average monthly market clearing price (MCP) was relatively higher during the month of February 2016 at 9.139USc/KWh when compared to the 8.178USc/KWh recorded in January 2016. Below is a summary of the daily average MCPs for the month of February 2016.



Daily Average MCP, February 2016

Market Revenues

A total of **USD 5,563,004.08** was exchanged on the DAM and IDM markets during the month of February 2016 when compared to a total of **USD 5,553,309.94** exchanged in January 2016. The decrease is mainly attributed to the decrease in traded volumes.

Environmental Corner

Environmental and Social Management Framework Study

Selection of a consultant to undertake the study is underway. A pre-proposal conference with shortlisted firms was held during the month and Request for Proposals (RFPs) were received from three shortlisted firms. Evaluation of Technical and Financial proposals is expected to be completed during the April, 2016 and a consultant is expected to commence work in May, 2016.

Environmental Risk Management

The Environmental Sub-Committee task team responsible for the Risk Management has completed a Risk Matrix register to be finalised by all members of the ESC by April, 2016.



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Upcoming Events

DATE	EVENT
3 March 2016	MOZISA Meeting, KPMG Offices, Sandton, South Africa
4 March 2016	ZIZABONA Meeting, Holiday Inn, Johannesburg, South Africa
9 March 2016	SADC Energy Thematic Group Meeting, Gaborone, Botswana
15 – 16 March 2016	Power and Electricity Conference 2016, South Africa
29-31 March 2016	Power Pool Meetings / APUA Scientific Committee Meeting, Dakar, Senegal
30 March 2016	SAPP Management Committee Strategic Workshop, Dar es Salaam, Tanzania
31 March 2016	40 th SAPP Executive Committee Meeting, Dar es Salaam, Tanzania
11-13 April 2016	Updating of 2016 Power Transfer Limits Workshop Meeting, Harare, Zimbabwe
23-26 Aug 2016	47 th SAPP Management Committee Meetings, Swaziland
21 Oct 2016	41 st SAPP Executive Committee Meeting, Malawi



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