



MONTHLY REPORT

April 2010

Issue No. R04-12

Energising the region for economic development

CONTENTS

Meetings and Conferences	1
Program for Infrastructure development for Africa (PIDA) Workshop	1
SADC Energy Ministers Meeting	1
SAPP European Union Capacity Building Programme	2
Joint OSC and MSC meeting	2
5 th Markets Sub Committee Meetings ..	2
Task Force meeting on system disturbances.....	2
E8 Workshop on Financing Sustainable Electrification, Nairobi, Kenya	3
Day Ahead Market (DAM)	3
System Operations and Planning.....	3
System Disturbances	3
Technical and Other Issues	3
Telecommunication Working Group Meeting	3
Environmental Corner	4
SAPP Environmental Sub-Committee Meeting – Lusaka, 28 April, 2010	4
CFL Recovery, Recycling and Disposal Implementation Guideline	4
Fourth SADC River Basin Organisation Workshop, Botswana, 21-22 April 2010	4
PCB Phase out in the SAPP	5
Upcoming Events for 2010	5

Meetings and Conferences

Program for Infrastructure development for Africa (PIDA) Workshop

The African Union Commission organised a seminar in Tunisia where experience of European and African stakeholders were

shared in the development of their infrastructure networks.

The SAPP Chief Engineer, Mr Alison Chikova, attended the seminar which was sponsored by the African Union.

SADC Energy Ministers Meeting

The 31st SADC Energy Officials and Energy Ministers meeting took place in Luanda, Angola, from 27 to 29 April 2010.

The Energy Ministers Meeting was officially opened by the Energy Minister of Angola, Hon. Emanuela B.A. Vieira Lopes, while Hon Gilbert Tshiongo Tshibinkuba wa Tumba, Minister of Energy, Democratic Republic of Congo chaired the meeting. The SADC Deputy Executive Secretary responsible for Regional Integration - Engineer Joao Samuel Caholo made introductory remarks.

In her speech, Hon, Vieira stressed the need for regional integration. Ministers also noted that in 2010, the SAPP is expecting to commission 933 MW against a target of 2,100 MW giving a shortfall of 1,248 MW. However, by implementing load management the SAPP will be in a position to supply the power requirements for 2010 to meet the FIFA Soccer World Cup which is to be held in South Africa. The Guidelines for regulating cross border power trading in the SADC region were also presented for discussion.

SAPP European Union Capacity Building Programme

The 5th workshop under the SAPP EU capacity building programme took place in Johannesburg, South Africa, from 14 to 16 April 2010. The workshop target members of the SAPP Planning Sub-Committee and focused on transmission system planning.



Some of the participants at the 5th workshop on Transmission Planning

Joint OSC and MSC meeting

The Joint Operating Sub-Committee (OSC) and Planning Sub-Committee (PSC) meeting took place in Harare, Zimbabwe, on 21 April 2010. The meeting discussed and made key resolutions on handling of interchange energy imbalances, reservation of power transmission capacities in the wake of congestion, and allocation of day-ahead market (DAM) power wheeling revenue in the SAPP.

5th Markets Sub Committee Meetings

The Markets Sub-Committee (MSC) held their 5th MSC meetings in Harare on the 22nd of April 2010 soon after the Joint OSC and MSC meetings. The SAPP Chief Market Analyst briefed the MSC members on the SAPP exchange visit to the Nordic power market and the European Union (EU) sponsored workshop. The meeting deliberated on the market surveillance project, congestion income use and management, the balancing market project

and market guidelines development and mapped a way forward on these critical issues for the market.



MSC delegates at the 5th MSC meetings in Harare, Zimbabwe

Task Force meeting on system disturbances

The 5th meeting of the Task Force on system disturbances was held in Harare, Zimbabwe, from 22 to 23 April 2010. The objective of the meeting was to consolidate the findings of the various system disturbances that occurred in 2008. The draft reports and preliminary recommendations were presented and discussed at the meeting. The Task Force is in the process of compiling the final report of the project which will be presented to the Operating Sub-Committee for adoption and approval. The Task Force has however urged members to implement the preliminary recommendations.



Some of the delegates at the Task Force meeting on system disturbances

E8 Workshop on Financing Sustainable Electrification, Nairobi, Kenya

A workshop on Financing Sustainable Electrification for Africa was held in Nairobi, Kenya, from the 13th to the 15th of April 2010. The main focus on the workshop was on how Africa can access funding for renewable energy and also ensure that electrification projects are sustainable especially rural electrification. The workshop was organised and sponsored by the E8 (a pool of European power utilities), GTZ, the UN etc. A number of country presentations on the electrification programmes were made during the workshop. Rural electrification Agencies, regulatory authorities and power utilities across Africa attended the workshop. Attendance from the SADC region included, SADC Secretariat, RERA, SAPP, various countries that included Botswana, Lesotho, Mozambique, Malawi, South Africa, Namibia, Zambia and Zimbabwe among others. Mr Musara Beta attended on behalf of the SAPP.

Day Ahead Market (DAM)

EDM of Mozambique signed the DAM governance documents during the month of April 2010 to join BPC of Botswana, Eskom of South Africa, NamPower of Namibia, ZESCO of Zambia, and SEC of Swaziland that have since signed the documents. EDM can now participate in the DAM.

No trading took place during the month of April 2010 despite two participants consistently offering bids in the market throughout the month. The market is currently a sellers' market. Lack of buyers on the DAM market resulted in no market cross during the month. This is ironic especially considering that the region is reportedly having an overall generation

shortfall. It is anticipated that buyers would take advantage of power availability on the DAM market especially during the impending winter period. The average exchange rate for the month was USD1.00 to ZAR 7.3371. There were no technical and communication problems on the DAM system that were reported during the month.

System Operations and Planning

System Disturbances

One (1) system disturbance was reported in the month of April 2010 whereby a generator at HCB (Hidroeléctrica de Cahora Bassa), Mozambique, and the 330kV interconnector from HCB to ZESA, Zimbabwe, tripped.

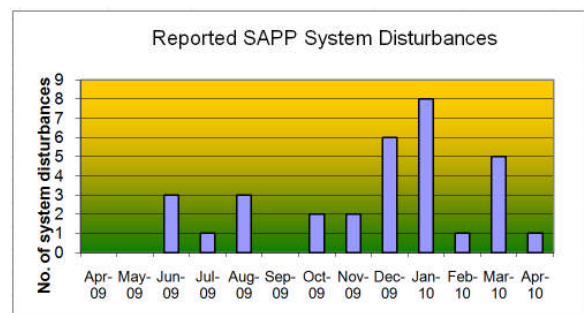


Figure 1: Reported SAPP system disturbances

Technical and Other Issues

Telecommunication Working Group Meeting

The Telecommunications Working Group met in Mbabane Swaziland on the 29th and 30th of April 2010. The meeting discussed the way forward on fibre network communications which should be implemented by April 2012. The meeting noted that once the remaining gaps (ESKOM, BPC and ZESA) are closed, all most all utilities will have been connected to SAPP. Other projects being carried out

in the different countries and existing links will complement the project and its completion will result in a complete network for SAPP. The installation of fibre between Zambia and Namibia will be an advantage to SAPP because it will link up the three host control areas and can be used as a standby when the telecommunications project has been implemented.



Delegates attending the TWG Meeting in Swaziland

Environmental Corner

SAPP Environmental Sub-Committee Meeting – Lusaka, 28 April, 2010

The Environmental Sub-Committee (ESC) held a sustainable development Working Group Meeting hosted by ZESCO in Lusaka on 28 April, 2010. The purpose of the meeting was to discuss the nature and content of the proposed Sustainable Development Bulletin for the SAPP. During the meeting, four papers were presented by members as topics to be included in the first addition of the bulletin. The papers were as follows:

- Principles and Pillars of Sustainable Development
- Sustainable Development initiatives in the SAPP

- SAPP Strategies for Sustainable Development
- Impact of unsustainable Development

The meeting was able to design a Plan of Action that would culminate in the production of a draft Sustainable Development bulletin by September, 2010.

CFL Recovery, Recycling and Disposal Implementation Guideline

The SAPP Environmental Sub-Committee received a presentation by Eskom on Best Practice for CFL waste management. The presentation covered the entire process of CFL collection from households to collection points through to waste landfills. Roles and responsibilities of various stakeholders like consumers, municipalities, industry and the national governments were outlined in the presentation. The meeting agreed that each utility should design information fact sheets about CFLs and Disposal guidelines as a form of awareness rising to different stakeholders.

Fourth SADC River Basin Organisation Workshop, Botswana, 21-22 April 2010

The Environmental Officer participated at the SADC 4th Annual River Basin Organisations Workshop held in Gaborone, Botswana on 21-22 April 2010. The workshop came up with a four set of guidelines for strengthening River Basin Organisations. The guidelines are:

- **Environmental Management:** to achieve sustainable utilisation of natural resources and effective protection of the environment.
- **Stakeholder Participation** – the process that rests on the completion

of a series of actions and the involvement of a variety of actors.

- **Establishment and Development** – The establishment of a River Basin Organisation rests on the implementation of a series of activities with a large number of stakeholders over a long period.
- **Funding and Financing** – sustainable funding which requires systematic planning and preparation together with an understanding of what funding opportunities are available and how these funds can be tapped into.



ESC Member from EDM viewing the United Nations approved drums containing PCB contaminated material at Siavonga, Zambia

PCB Phase out in the SAPP

Following a request by some SAPP members to come up with standard PCB temporary shelter structures in the region, the SAPP Environmental Sub-Committee (ESC) members visited Siavonga PCB shelters in Zambia to view the UN approved structures there. The structures, which are concrete lined, ensure that there is no contamination of ground water resources by PCB. The aim is to identify a PCB treatment plant to cater for all PCB contaminated material in the region.

Upcoming Events for 2010

DATE	EVENT	Venue
6-7 May	Infrastructure Partnerships for African Development (iPAD) Power Industry Forum	Luanda, Angola
12 -14 May	Wind Power Africa 2010	Cape Town, South Africa
12-14 May	SAPP Workshop on right of way and environmental issues	Maputo, Mozambique
1-4 June	Infrastructure development Meeting	Victoria Falls, Zimbabwe
Aug/ Sept	35 th SAPP Committee Meetings	Mbabane, Swaziland
Oct / Nov	SAPP Executive Committee Meetings	Malawi
Dec	Conference of Parties 16	Mexico