



MONTHLY REPORT

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Energising the region for economic development

CONTENTS

Meetings and Conferences	1
NEPAD-IPPF MEETING	1
Day Ahead Market	1
SADC Round Table Close Out Meeting....	1
System Operations and Planning	2
Task Team on Transmission Pricing.....	2
System Disturbance Overview	2
System Disturbances Investigation	2
Technical and Other Issues	2
SAPP Transfer Limits Update.....	2
Telecommunications Working Group Meeting	2
Commercial and Operational Performance Assessment of selected SAPP Power utility Members.....	3
Environmental Corner	3
Guidelines for the Use and Disposal of Compact Fluorescent lamps (CFLs)	3
Business Case for Commercial Lighting Programme	3
Upcoming Events for 2010	4

Meetings and Conferences

NEPAD-IPPF MEETING

The SAPP Coordination Centre Chief Engineer, Mr Alison Chikova attended the NEPAD IPPF meeting held in Johannesburg, South Africa from 3-4 December 2009

Among the issues discussed were:

- Regional Infrastructure programs for Regional Economic Communities (RECs).
- Thematic priorities which included updates energy sectors programs by

Power Pools, transport development corridors and the role of NEPDA IPPF, PPP and private sector financing looking at financial crisis and trends in infrastructure financing.

Day Ahead Market

The SAPP Day Ahead Market (DAM) final refresher course prior to market opening took place in Harare, Zimbabwe, from 3 to 4 December 2009. All SAPP Operating Members / organisations were represented. The market opened for live trading on 15 December 2009. There was not much activity when the market went live largely due to the holidays. More activity is expected beginning of January 2010.

SADC Round Table Close Out Meeting

The SADC Round Table Close Out meeting was held on 2 December 2009 in Harare, Zimbabwe. The meeting discussed the consultant's report and the recommendations made as a way forward. One of the key recommendations from the Round Table is the need for the region to review the institutional framework for project promotion and implementation. As such, the meeting launched the SADC Electricity Sub-Committee and discussed the Draft Terms of Reference for the Sub Committee. The Sub Committee will among other tasks oversee the implementation of the Round Table Recommendations in a bid to ensure project implementation.

System Operations and Planning

Task Team on Transmission Pricing

A special task team was setup by the Joint Operation, Planning and Markets Sub committees to address transmission wheeling and transmission loss charges in SAPP. The Task Team met in Maputo, Mozambique from 1-2 December 2009 and came up with a number of recommendations for consideration by the Management Committee which includes the following:

- SAPP to maintain the current MW-km method for wheeling for bilateral contracts where the buyer of electricity pays for wheeling. This is an interim measure until the full nodal method and charges are approved by SAPP.
- On loss charging, the utility weighted average cost method would be used.

System Disturbance Overview

Figure 1 below shows an updated outlook of reported SAPP system disturbances. Six system disturbances were reported during the month of December 2009. There was a marked increase from the previous months.

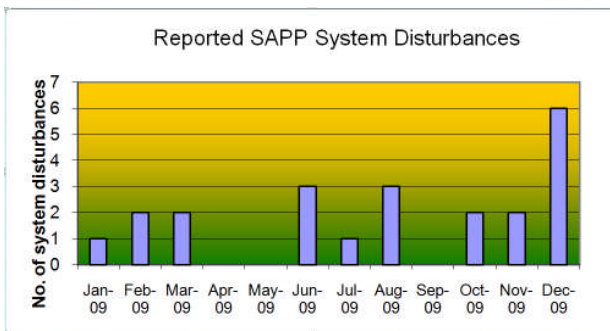


Figure 1: Reported SAPP system disturbances

System Disturbances Investigation

The SAPP engaged Norconsult to be the team leader of the SAPP Task Team responsible for investigating SAPP system disturbances that

occurred since the beginning of the year 2008. The work of the task team involves, but is not limited to the following:

- Reviewing the operation of the interconnected system and carrying out comprehensive system stability and other studies.
- Advising the SAPP on re-tuning of control devices, and
- Building technical capacity in the SAPP



Some of the SAPP System Disturbance Investigation Task Team Members

From 15 to 17 December 2009, the task team held a project progress review meeting and a training session in power system small signal analysis using PSS/ETM in Harare. The team is scheduled to present preliminary findings to the SAPP Operating Sub-Committee in February 2010.

Technical and Other Issues

SAPP Transfer Limits Update

The transfer limits for the SAPP interconnected system were determined for the year 2010.

Telecommunications Working Group Meeting

The SAPP Telecommunications Working Group (TWG) met in Harare from 10 to 11 December 2009. The TWG negotiated a contract with a possible supplier of the SAPP

Supervisory Control and Data Acquisition (SCADA) system to be installed at the SAPP Coordination Centre. The TWG also discussed several telecommunications issues in the SAPP including linking systems with fibre optic.



Some members of the Telecommunications Working Group.

Commercial and Operational Performance Assessment of selected SAPP Power utility Members

The SAPP has received a grant from the World Bank under the Public Private Infrastructure Advisory Facility (PPIAF) of the Sub-National Technical Assistance (SNTA) to do work on Commercial and Operational Performance Assessment of Selected SAPP Power Utility Members that will include efforts to improve the financial viability and service delivery of the utilities which make up the SAPP.

The first part of the work will be training on credit ratings with credit advisory services and technical benchmarking concepts and reviews to four power utilities of SAPP. The second component will include a shadow credit rating exercise for about four to six utilities.

Following both the technical and the financial evaluation of the proposals that were received by SAPP concerning the above study, SAPP engaged Mercados (Energy Markets International) of Spain to carry out the study.

Environmental Corner

Guidelines for the Use and Disposal of Compact Fluorescent lamps (CFLs)

During the 27th SAPP Executive Committee in Lusaka, the Environmental Sub – Committee was requested to make an assessment of the infrastructure capacity within the member countries to support disposal of CFLs, which contains mercury, a toxic substance. Following this request the SAPP CC designed a tool to be used by different utilities to assess the capacity of waste handling facilities to handle CFL Waste. The Environmental Sub-Committee is expected to kick-start this assignment during the SAPP meetings in Botswana in February 2010, where an assessment of the Gaborone waste handling facility will be assessed.



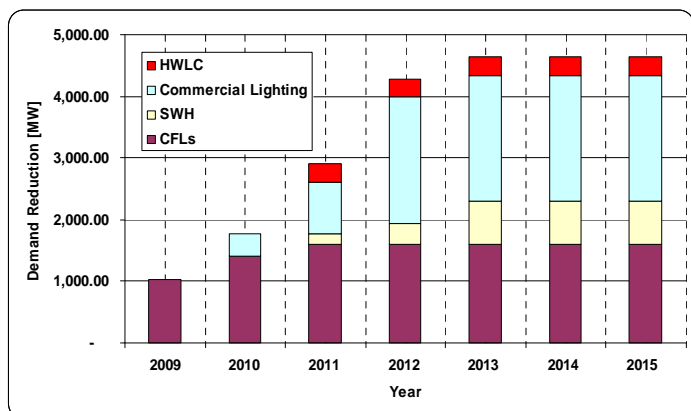
Figure 2. Compact Fluorescent Lamps, can save up to 80% of electricity.

Business Case for Commercial Lighting Programme

A Business Case for Commercial Lighting Power saving bulbs has been produced. This is in the form of CFLs (already in operation), Commercial Lighting, Solar Water Heating and Hot Water Load Control. If implemented, the Commercial Lighting programme is expected to save a cumulative of 2100 MW by year 3 of implementation (see Figure3).

The Demand Side Management Power Station (DSMPS) savings are indicated below.

Figure 3. Depicts of DSMPS



Upcoming Events for 2010

DATE	EVENT	VENUE
11-12 Jan 2010	SAPP and EAPP Meeting	Harare, Zimbabwe
13-15 Jan 2010	SAPP Training on the use of PLEXOS software	Harare, Zimbabwe
1-5 Feb 2010	East African workshop to meet Tomorrows demand	Nairobi Kenya
3-5 Feb 2010	Workshop on Generation and Transmission Planning,	To be advised
15-19 Feb 2010	34 th SAPP Meetings	Gaborone, Botswana
22-25 Feb 2010	Africa Utility Week	Durban RSA
15-19 March 2010	12 th Annual Africa Power & Electricity Congress	Johannesburg, RSA
18-19 March 2010	26 th SAPP Executive Committee Meeting	Dar Es Salaam Tanzania
27-28 April 2010	SADC Senior Energy Government Officials Meeting	Luanda, Angola
29 April 2010	SADC Ministers Meeting	Luanda, Angola
6-7 May 2010	Infrastructure Partnerships for African Development (iPAD) Power Industry Forum	Luanda, Angola
29 June 2010	Africa Energy Forum	Bazel, Switzerland