

20101124 PCwater

SAWS 2009-10 Annual Report

presented by

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Portfolio Committee on Water and Environmental Affairs

Committee Room 1, 90 Plein Street Building

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1. Overview

150 Years of Organised Meteorology in South Africa

- The year 2010 is a critical milestone in the history of the Organisation, as SAWS celebrated 150 years of service to South Africans
- SAWS appreciates support from the Shareholder and the Dept of Environmental Affairs, the Portfolio Committee and all the stakeholders including the media who participated in various activities/events linked to the 150 years celebration that culminated in a Gala Dinner on 26 October 2010. These include:
 - The unveiling of the new Radar Network Project (R240m Government investment) on 29 March 2010
 - The handover of the Highbury Community School (SAWS CSI Project) on 16 July 2010;
 - The launch of the Fognet Project (Tshanowa School) in Venda, 25 August 2010; in partnership with the University of Pretoria;

1. Overview (continued)

150 Years of Organised Meteorology in South Africa

- SAWS and CEO nominated as finalists in the categories “Top Ge Empowered Parastatal” and “Top Women in the Public Sector” respectively; and SAWS won the award (7th Annual Top Women Awards held at the Sandton Convention Centre 9 Sept’2010)
- The launch of the indigenous knowledge book “Rainbows in the Past: *Indigenous Weather Knowledge, Belief and Folklore in South Africa...*” on 22 October 2010;
- The publication of a coffee table book in October 2010 “At the Forefront of Weather, 1860-2010);
- Gala Dinner/Award Ceremony to acknowledge and honour those who contributed towards making the Organisation what it is between 1860 and 2010 (150 years)

2. Strategic Goals and Objectives

Strategic Goals	Strategic Objectives
SG1: Ensure continued relevance of meteorological products and services in compliance with applicable regulatory frameworks	<ul style="list-style-type: none">• Compliance with all applicable national and international regulatory frameworks• Effectively address climate change and variability• Develop and implement a comprehensive product/service programme
SG2: Effective management of stakeholder relations	<ul style="list-style-type: none">• Promote beneficial and enduring relationships with key stakeholders

2. Strategic Goals and Objectives (continued)

Strategic Goals	Strategic Objectives
SG3: Fully address short-term viability and long term sustainability of SAWS revenue and other resourcing requirements	<ul style="list-style-type: none">• Financial sustainability• Effective management of resources to ensure positive return on investment
SG4: Ensure business integration and organisational effectiveness of SAWS	Establish business integration and organisational effectiveness programme

2. Strategic Goals and Objectives (continued)

Strategic Goals	Strategic Objectives
SG5: Create adequate human capital capacity with a view to SAWS' performance	<ul style="list-style-type: none">•Effective talent management•The expansion of scarce and critical skills that are needs-driven•Ensure the well-being and safety of all staff members

3. Key Strategic Programmes

- 5 Key Strategic Programmes for 2009/10:
 1. Climate Change and Variability;
 - Global Producing Centre for long range forecast
 - South African Flash Flood Guidance system
 - Severe Weather Forecasting Demonstration Project – SADC
 - SAAQIS
 - Global Atmospheric Watch (GAW)
 2. Short-term Viability and Long-term Financial Sustainability;
 - Non Regulated Commercial Activities – 18% above budget
 - Regulated Aviation Commercial Activities- 14% below budget
 - Cost Cutting Initiatives – Administration and other operational expenses
 - Inventory Management – reduced by 18%

3. Key Strategic Programmes

5 Key Strategic Programmes for 2009/10: (continued)

3. Human Capital;

- Scarce and Critical Skills transfer program
- Bursary Scheme
- Learnership Program
- Collaborations with Institutes of higher learning

4. Infrastructure Modernisation; and

- Radar Network Upgrade – Capitalised R137 million from R240 million

5. Total Quality Management

Performance Against Targets

4. Performance Against Targets

KPA1	Ensure continued relevance of meteorological products and services in compliance with applicable regulatory frameworks
	<ul style="list-style-type: none">• Audited 20 airports for compliance to international civil aviation standards• Developed 2 new forecasting tools• Training with the use of Doppler radar re-scheduled for next year when more systems will become operational.• Probabilistic temperature forecast developed• Completed a needs analysis for longer term forecasts• SAWS is 100% compliant with requirements of a Global Producing Center for long term predictions .• Developed the South African Flash Flood Guidance system and started with the training of forecasters to use the system.

4. Performance Against Targets

KPA1	Ensure continued relevance of meteorological products and services in compliance with applicable regulatory frameworks
	<ul style="list-style-type: none">• SAWS provided severe weather guidance to 16 SADC countries on a daily basis• Reviewed the early warning system for severe weather• SAAQIS database became operational• Continued with the monitoring of trace gasses at Cape Point• Achieved all forecast accuracy criteria. (Aviation & Public weather services)• Marine Business Plan still needs refinement but marine services are provided on schedule.• 95% of the climate data was available during the year.• Severe weather warnings were issued to vulnerable communities

4. Performance Against Targets

KPA2	Effective management of stakeholder relations
	<ul style="list-style-type: none">• Solicited two positive media coverage events per quarter• Outreach events :<ul style="list-style-type: none">• Fognet project with Tshanowa school in Venda• Radar project with Highbury community in Umtata• Golf day in Cape Town – the Olive foundation and Erub Children's choir• Eight TV appearance and 19 radio interviews• Conducted various awareness and training workshops• There were 47 international appearances by SAWS personnel• Continued to play a leading role in MASA.• Complied with communication policy• Two position papers and four scientific articles were published• Proposed amendments to the SAWS Bill was submitted.• Various position statements were published in the media.

4. Performance Against Targets (continued)

KPA3	Fully address short-term viability and long term sustainability of SAWS revenue and other resourcing requirements
	<ul style="list-style-type: none">• Recovered only 86% (R50 m) of the regulated aviation tariffs due to lower volumes of flights (downturn in the economy)• Had to introduce various cost saving initiatives to compensate for the smaller income• Commercial income was 18% above the target.• Received additional grant funding from Government

4. Performance Against Targets (continued)

KPA4	Ensure business integration and organisational effectiveness of SAWS
	<ul style="list-style-type: none"><li data-bbox="514 455 1724 497">• All targets in pursuit of ISO certification in 2010/11 were met<li data-bbox="514 558 1586 599">• Research Management Framework was implemented.<li data-bbox="514 660 1839 702">• Integrated talent management systems were developed and in place<li data-bbox="514 763 1258 804">• Business Continuity Plan was tested

4. Performance Against Targets (continued)

KPA5	Create adequate human capital capacity with a view to SAWS' performance
	<p>Total Staff Profile</p> <ul style="list-style-type: none">• Total staff compliment is 370• 71% of employees are from the historically disadvantaged background• 24% of the overall figure is female• Representation of the disabled stands at 2% fairly spread at different racial categories• Employment Equity Plan approved <p>See the following slides on performance against KPA5</p>

KPA5 (continued)

Gender and racial demographics

- | | | | |
|--------------------------|------------|------------------------------|-------|
| • Total White males | 73 | • Percentage PDI | 71% |
| • Total White females | 36 | • Percentage PDI Female | 24% |
| • Total African males | 139 | • Percentage Non PDI Males | 19.7% |
| • Total African females | 73 | • Percentage Non PDI Females | 9.7% |
| • Total Indian males | 9 | | |
| • Total Indian females | 4 | | |
| • Total Coloured males | 24 | | |
| • Total Coloured females | 12 | | |
| • Total Staff | 370 | | |
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- Human Capital Development initiatives implemented and still being implemented on an ongoing basis:

BURSARIES AND INTERNSHIPS AWARDED

BURSARY RECIPIENTS															
2009/2010	Total 42	M	F	A	C	I	W	2008/2009	Total 48	M	F	A	C	I	W
Weather Observers	0	0	0	0	0	0	0	Weather Observers	19	9	10	10	7	0	2
BSc Undergraduate: Meteorology & Earth and Atmospheric Science	13	6	7	8	0	0	5	BSc Undergraduate: Meteorology & Earth and Atmospheric Science	9	5	4	6	0	0	3
BSc: Honours Meteorology & Earth and Atmospheric Science	12	6	6	9	0	0	3	BSc: Honours Meteorology & Earth and Atmospheric Science	9	6	3	4	0	0	5
BSc: Honours Bridging Meteorology	1	1	0	1	0	0	0	BSc: Honours Bridging Meteorology	3	1	2	3	0	0	0
National Diploma in Information Technology	2	1	1	2	0	0	0	National Diploma in Information Technology	0	0	0	0	0	0	0