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WESTERN CAPE DEPARTMENT OF ENVIRONMENTAL AFFAIRS AND DEVELOPMENT PLANNING**SECOND EDITION ENVIRONMENTAL IMPLEMENTATION PLAN IN TERMS OF SECTION 11 OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 107 OF 1998 (as approved by the Department of Environmental Affairs on 21 July 2010)****TABLE OF CONTENTS****PAGE**

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1. INTRODUCTION

The legal definition of 'environment' according to the National Environmental Management Act, (NEMA) 107 of 1998 means the surroundings within which humans exist and that are made up of:

- the land, water and atmosphere of the earth;
- micro-organisms, plant and animal life;
- any part of combination of the above and the interrelationships among and between them; and
- the physical, chemical, aesthetic and cultural properties and conditions of the foregoing that influence human health and well being.

Certain government departments, listed in Schedule 1 of NEMA, and every province, are required to prepare Environmental Implementation Plans (EIPs) within a year of promulgation of NEMA, and then every four years thereafter. Every national department listed in Schedule 2 of NEMA is required to prepare an EMP in the same timeframes. The purpose of the plans is to co-ordinate environmental policies, plans, programmes and decisions and to secure the protection of the environment across South Africa as a whole. The contents of these plans are outlined in Chapter 3 of NEMA.

Many of the activities undertaken by government departments, at both the national and provincial level, have impacts on the environment. In order to move officials towards considering environmental issues across departments in a co-operative manner, NEMA calls for the development of national and provincial Environmental Implementation Plans (EIPs) and Environmental Management Plans (EMPs).

The aim of EIPs and EMPs is as follows:

- To co-ordinate and harmonise the environmental policies, plans and programmes and initiatives promoting a sustainable environmental policies, plans and programmes, a sustainable environment, with provincial and local government activities so as to improve consistency and minimise duplication of effort, and so promote co-operative governance.
- To prevent unreasonable actions by provinces in respect of the environment that could prejudice economic or health interests of other provinces or the whole country.
- To enable the Minister of Environmental Affairs and Tourism to monitor South Africa's progress towards a sustainable environment.

1.1 The Sustainable Development Implementation Plan (SDIP) and the Western Cape Climate Change Response Strategy and Action Plan (WCCRSAP)

The Western Cape will face some of the biggest climate change challenges in the country which include droughts, water restrictions, devastating fires and energy supply and demand problems. As such the Department completed a Sustainable Development Implementation Plan (SDIP) to ensure compliance with NEMA-principles, Millennium Development Goals, WSSD and goals of other policies.

The SDIP address the following issues:

- Description of how various policies, plans and programmes of the Department comply with NEMA principles;
- Strategic Work Plans;
- The manner in which the Policies Plans and Programmes will exercise the function of environmental management;
- Strategy on integrated environmental management with other departments, municipalities and the public; and
- Action plans and indicators for implementation of integrated environmental management.

In response to the global challenge, the Department also completed the Western Cape Climate Change Response Strategy and Action Plan (WCCRSAP). The process for developing the latter as well as the SDIP was subject to rigorous public participation which included workshops that were very well attended by members of all sectors. In addition the documents was presented to the Western Cape Provincial Development Council – a council on which Labour, Business Civil Society and Government is represented, for endorsement. Copies of the SDIP and WCCRSAP is attached herewith as Annexures A and B respectively, outlining action plans with timeframes and serves as a basis for this EIP; Section 11(7) of the NEMA makes provision that the preparation of EIPs and EMPs may consist of the assembly of information or plans compiled for other purposes and may form part of any other process or procedure.

Over the next four years, the Department will focus on the following overall strategic goals and objectives:

1. Embedding sustainable development in the growth and development of the Western Cape.
2. Providing cutting-edge leadership and innovative approaches to environmental management and integrated development planning.
3. Enhancing the quality of life of all our people through facilitating vibrant, integrated, and sustainable human settlements.
4. Accelerating economic growth, and participation in, and access to, the environmental economy.

These strategic goals will be underpinned by the following six strategic objectives:

1. To mainstream the sustainable development paradigm in environmental planning and management.
2. To develop systems, processes, and measures to support service delivery.
3. To promote environmental integrity and the progressive realisation of environmental rights.
4. To undertake spatial planning that promotes and guides sustainable development in the Province and redresses spatial inequalities.
5. To provide integrated and holistic environmental management to improve the quality of life of all people in the Western Cape.
6. To develop intervention strategies to facilitate equitable access to, and participation in, the environmental economy.

Many of the environmental programmes that will be undertaken by the Department during the next four years will focus on climate change mitigation and adaptation with a key emphasis on energy and water security.

2. POLICIES, PLANS AND PROGRAMMES THAT MAY SIGNIFICANTLY AFFECT THE ENVIRONMENT

2.1 Programmes of the Department

The following four programmes in the Department are responsible for implementation of objectives which may significantly affect the environment i.e.

- a. Policy Coordination and Environmental Planning;
- b. Compliance and Enforcement;
- c. Environmental Quality Management; and
- d. Biodiversity Management.

2.2 The objectives and achievements of the above programmes are as follows:

2.2.1 Policy Coordination and Environmental Planning

- Intergovernmental coordination, spatial and development planning

This sub-programme is responsible for the facilitation of cooperative and corporate governance and promotes the implementation of intergovernmental sector programmes.

- Research and development support

The research and development support sub-programme ensures that over-arching research and development activities required for policy coordination and environmental planning is undertaken.

- Information management services for environmental protection.

The aim of information management services is to facilitate environmental information management for informed decision-making. This encompasses the development of an integrated state of the environment reporting system, including the collection of data and development of provincial environmental performance indicators, and to develop and manage GIS systems to support reporting, spatial information, impact assessments and various information systems as required by legislation.

Progress analysis

Progress is categorised according to specific strategic objectives.

Progress on Strategic Objective

To mainstream the sustainable development paradigm in environmental planning and management.

- Continued to build capacity and provided advice and strategic direction to municipalities and other stakeholders with regard to land-use management.
- Transferred R3,875 million to municipalities to assist with aligning their Spatial Development Frameworks (SDFs) with the Western Cape Provincial Spatial Development Framework.
- Initiated implementation of the Sustainable Development Implementation Plan.
- Completed an Overview Report on the Western Cape Environmental Economy.
- Hosted a two-day Provincial Summit on Renewable Energy and Climate Change.
- Completed a Western Cape Sustainability Report.
- Implemented a Renewable Energy Pilot Project in the Hessequa Municipality (Riversdale) and other municipal areas.
- Finalised a Western Cape Sustainable Energy Strategy discussion document.
- Finalised guideline documents for energy efficiency in public buildings and private sector development.
- Raised environmental awareness through promotional events.

Progress on Strategic Objective

To develop systems, processes and measures to support service delivery.

- Provided technical support in respect of spatial planning to municipalities and other departments.
- Commenced the development of a web-enabled information system
- Undertook and supported Geographic Information System and information awareness campaigns.
- Completed the annual review of the Departmental Strategic Information and Communication Technology (ICT) Plan.

Progress on Strategic Objective

To undertake spatial planning that promotes and guides sustainable development in the Province and redresses spatial inequality.

To provide integrated and holistic environmental management to improve the quality of life of all people in the Western Cape.

- Finalise draft Biosphere Reserve Bill.
- The Western Cape Provincial Spatial Development Framework (WC PSDF) was adopted.
- Initiated draft explanatory manuals on settlement restructuring and provision of inclusionary housing opportunities.

Special measures to be implemented to ensure planned quality improvement measures

- Implement support practices to ensure a favourable demand: capacity ratio (volumetric studies, interns and contract appointments, post level upgraded and specialist dispensation).
- Support the implementation of the Human Resource Development Strategy and Implementation Plan with specific emphasis on staff retention and recruitment.

Analysis of constraints with measures planned to overcome them

Internal constraints

Unfavourable demand: capacity ratio (high staff turnover, inadequate retention practices and the lengthy prescribed process for filling of vacant posts, inexperienced staff, lack of skilled candidates from designated group).

External constraints

Challenges in respect of the implementation of the Western Cape Provincial Spatial Development Framework.

Measures to overcome

Internal constraints

Support the Human Resource Development Strategy and Implementation Plan.

Participate in the institutional refinement process wrt restructuring the Department.

External constraints

Alignment of Spatial Development Frameworks with Western Cape Provincial Spatial Development Framework.

Description of planned quality improvement measures

Assist identified municipalities with drafting credible Spatial Development Frameworks.

2.2.2 Compliance and Enforcement

The aim of the programme is to ensure that environmental compliance monitoring systems are established and implemented, enforce legislation and environmental authorisations, building compliance monitoring and enforcement capacity through the establishment and training of environmental management inspectorates, acting on complaints and notifications of environmental infringements and acting to monitor these complaints and enforce environmental compliance where required.

The programme consists of the following sub-programme and the objectives of this sub-programme are as follows:

Environmental quality management authorisation, compliance and enforcement

This sub-programme is responsible for ensuring an effective environmental impact management system through enforcement, including monitoring of Environmental Impact Assessments, Environmental Authorisations and enforcement of non-compliance with these authorisations, and ensuring an effective environmental regulatory cycle through undertaking enforcement actions in cases of non-compliance as well as illegal activities.

Progress analysis

Progress is categorised according to specific strategic objectives.

Progress on Strategic Objective

To promote environmental integrity and progressive realisation of environmental rights.

- Developed and commenced with the implementation of a law enforcement information system.

Special measures to be implemented to ensure that the specified strategic objectives are achieved

- Strengthen the Department's law enforcement capacity.
- Environmental Enforcement Directorate to be created.

Analysis of constraints with measures planned to overcome them

Internal constraint

High staff turnover.

Measures to overcome

Internal constraints

- Implement Staff Retention Strategy
 - o Career-development initiatives.
 - o Grow internal capacity.
 - o Financial and non-financial incentives.
- Utilise contract staff as an interim measure.
- Continued participation in organizational redesign processes.

Description of planned quality improvement measures

- Strengthening of compliance monitoring and enforcement of statutory obligations.

2.2.3 Environmental Quality Management

The aim of the programme is to develop legislation, policies, norms, standards and guidelines for environmental impact management, air quality management, climate change management and management of waste and pollution at provincial and local spheres of government.

The programme consists of the following sub-programmes and the objectives of these sub-programmes are as follows:

Impact management

The sub-programme is responsible for facilitating environmental impact mitigation to promote sustainable development and a safe, healthy and sustainable environment, the implementation of an Environmental Impact Management (EIM) system through various tools including Environmental Impact Assessments and environmental authorisation systems, and supporting an effective Environmental Impact Management system through various tools including Environmental Management Frameworks (EMFs) and other planning tools.

Air quality management

Air quality management is aimed at improving air and atmospheric quality through the implementation of air quality management legislation, policies and systems at provincial level, and supporting air quality management efforts at local, national and international levels. The sub-programme is also responsible for the implementation of air quality management tools such as the declaration of air quality priority areas, ambient air quality monitoring systems and emission source inventories.

Climate change management

The Climate change management unit is responsible for the development of strategies to respond to the challenges and potential impacts of climate change including the development of provincial climate policy and programmes. These include both greenhouse gas mitigation response and vulnerability and adaptation responses to climate change and the implementation of relevant tools such as a greenhouse gas inventory and vulnerability maps as required.

Pollution and waste management

This sub-programme is responsible for the development and implementation of waste management plans and hazardous waste management plans and providing support to local government to render the appropriate waste management services. Waste management activities also include carrying effective authorisation of solid waste disposal sites and other waste management authorisations as required in legislation and to develop waste information systems to reduce and recycle waste. Pollution management focuses on pollution matters and includes matters such as noise pollution.

Progress analysis

Progress is categorised according to specific strategic objectives.

Sub-programme: Impact management

Progress on Strategic Objective

To mainstream the sustainable development paradigm in environmental planning and management.

Continued to build capacity and provided advice and strategic direction to municipalities and other stakeholders with regard to land-use management.

Progress on Strategic Objective

To develop systems, processes and measures to support service delivery

- Developed an administrative system to address quality applications.

Progress on Strategic Objective

To provide integrated and holistic environmental management to improve the quality of life of all people in the Western Cape.

- Finalised 40% of pending applications received in terms of repealed Environment Conservation Act.
- Completed 90% of all land-use applications received in terms of relevant legislation where the Department was in the position to respond.
- Completed first amended draft of Western Cape Land Use Management Bill.
- Reviewed and maintained environmental and planning policy guidelines, norms, and standards.
- Continued participation in and contribution to the national environmental law reform process.
- Initiated two Environmental Management Frameworks in two of the priority areas as identified by the Premier.
- Finalised the Guideline on Development Beyond Urban Edges
- Initiated amendments to the Western Cape Planning and Development Act.

Sub-programme: Air quality management

Progress on Strategic Objective

To provide integrated and holistic environmental management to improve the quality of life of all people in the Western Cape.

- Implementation of the National Environmental Management: Air Quality Act.
- Coordinated and supported the development of Air Quality Management Systems across the Province.
- Continued implementation of the Ambient Air Quality Monitoring Programme across the Province.

Sub-programme: Climate change management

Progress on Strategic Objective

To mainstream the sustainable development paradigm in environmental planning and management.

- Initiated implementation of the Climate Change Response Strategy and Action Plan.
- Hosted a two-day Provincial Summit on Renewable Energy and Climate Change.
- Establish provincial intergovernmental Climate Change workstream committee.

Progress on Strategic Objective

To promote environmental integrity and the progressive realisation of environmental rights.

- Finalised the Western Cape Climate Change Response Strategy and Action Plan.

Sub-programme: Pollution and waste management

Progress on Strategic Objective

To provide integrated and holistic environmental management to improve the quality of life of all people in the Western Cape.

To develop intervention strategies to facilitate equitable access to, and participation in, the environmental economy.

- Implemented a waste disposal facility permitting system.
- Continued implementation of Section 30 of National Environmental Management Act (NEMA).
- Facilitated development and implementation of chemicals management action plans in industry
- Deployment of the Integrated Pollutant and Waste Information System (IPWIS).
- Continued facilitation of the environmental grading system for the hospitality sector.

- Developed proposed policy measures for resource efficiency in the construction sector.
- Continued the roll out of the 2Wise2Waste programme to other Western Cape Provincial Departments (ongoing continuous process).
- Further development of a Provincial Green Procurement Policy.
- Initiated implementation of strategies to stimulate the recycling economy.
- Submitted the Provincial Amendment to the Noise Control Regulations for promulgation.
- Adjudicated the Provincial round of the 2007/2008 Cleanest Town Competition.
- Rolled out the Waste Management in Education Project.
- Continued implementation of Provincial Hazardous Waste Management Plan.
- Monitored the continued implementation of the Municipal Integrated Waste Management Plans.
- Monitored the implementation of the Health Care Waste Management Legislation.

Special measures to be implemented to ensure that the specified strategic objectives are achieved

- Implement support practices to ensure a favourable demand: capacity ratio (volumetric studies, interns and contract appointments, post level upgraded and specialist dispensation).
- Support the implementation of the Human Resource Development Strategy and Implementation Plan with specific emphasis on staff retention and recruitment.
- Increased capacity to finalise pending National Environmental Management Act as amended.
- Initiate the establishment of the Development Facilitation Unit.
- Participation in intergovernmental Task Teams regarding special projects identified to promote sustainable development.
- Enhance alignment of Sustainable Development Implementation Plan (SDIP) and Climate Change Response Strategy and Action Plan with the Provincial Growth and Development Strategy (PGDS).
- Establish a special project team to develop and implement workstream activities relating to 2010 World Cup.
- Establish institutional capacity to implement and participate in Cabinet Cluster Work streams.
- Strengthen partnerships to promote environmental resource efficiency within the Provincial Departments.
- Strengthen the Department's Climate Change and Energy implementation capacity.

Analysis of constraints with measures planned to overcome them

Internal constraints

- Unfavourable demand: capacity ratio (high staff turnover, inadequate retention practices and the lengthy prescribed process for filling of vacant posts, inexperienced staff, lack of skilled candidates from designated group).
- Inadequate Management Information Systems.
- Inadequate accommodation.
- High staff turnover.

External constraints

- Inadequate capacity within municipalities and other stakeholders.
- Conflict in interpretation of constitutional obligations amongst spheres of government.
- Growing responsibilities and obligations imposed by new legislation without corresponding increases in funding and human capacity.
- Increasing frequency and diversity of reporting initiatives by other stakeholders.
- Cumbersome land-use legislative processes.
- Inadequate cooperation and response from other departments/ stakeholders delaying decision-making.
- Negative perceptions of environmental legislation held by stakeholders.
- Poorly prepared applications.
- Excessive demand for input/information from the national Department of Environmental Affairs and Tourism.
- Unclear mandates with regard to local and district municipalities.
- Inadequate resources to cater for 2010 planning and implementation.

Measures to overcome

Internal constraints

- Support the Human Resource Development Strategy and Implementation Plan.
- Participate in the institutional refinement project.
- Improve the integration of management information systems.
- Support Corporate Services' endeavours to acquire appropriate accommodation.

- Implement Staff Retention Strategy
 - o Career-pathing initiatives.
 - o Grow internal capacity.
 - o Financial and non-financial incentives.
- Utilise contract staff as an interim measure
- Implement the measures of the PSCBC Resolution 1 of 2007 with respect to personnel provision of specialists.
- Continue participation in structural alignment processes.

External constraints

- Strengthen inter-governmental relations through existing mechanisms and frameworks.
- Access national resources to overcome growing unfunded responsibilities and obligations.
- Clarify the roles and functions of different spheres of government in law reform processes related to development.
- Facilitate capacitating in respect of reprioritise planning and environmental challenges facing municipalities.
- Streamline processes through integrated law reform initiatives.
- Address transversal reporting and planning issues in the cluster context.
- Continued capacitation of municipalities.
- Ensure clear communication of priorities at a Provincial and National Strategic Level.
- Provide institutional capacity and resources for 2010 World Cup.

Description of planned quality improvement measures

- Streamline the decision-making process relating to applications (by way of institutional and law reform).
- Improve internal capacity through training and development practices.
- Maintain peer review mechanism.
- Improve internal and external communication and marketing initiatives.
- Build external capacity in terms of legislative requirements.
- Advise on the improvement of the National Environmental Authorisation System (NEAS).
- Support Corporate Services' capacity initiatives in respect of retention policy, recruitment, managerial information systems, accommodation, general corporate services capacity and retention and ensure business continuity.
- Enhance involvement and participation of representatives of other organs of state in intergovernmental cooperation forums led by the programme.
- Developing partnerships with organs of state, including municipalities, Non-governmental Organisations (NGOs), and
- Community-based Organisations (CBOs) to promote sustainable development.
- Providing information to stakeholders for informed decision-making.
- Strengthening of compliance monitoring and enforcement of statutory obligations.
- Improvement of internal and external communication.
- Creating specialists' posts at appropriate levels to address staff information systems.

2.2.4 Biodiversity Management

The aim of the programme is to promote equitable and sustainable use of natural resources to contribute to economic development, by managing biodiversity, and its components, processes, habitats, ecosystems and functions and to effectively mitigate threats to sustainable management of biodiversity and natural resources.

The programme consists of the following sub-programmes and the objectives of these sub-programmes are as follows:

Sub-programme: Biodiversity and protected area planning and management

The sub-programme is responsible for implementing mechanisms for management of ecologically viable areas; conserving biodiversity; protecting species and ecosystems; development of the Western Cape. Sustainable use of indigenous biological resources; access to and sharing of the benefits arising from use of biological resources, as well as bio-prospecting.

Sub-programme: Western Cape Nature Conservation Board

The Western Cape Nature Conservation Board, trading as CapeNature, was established as a conservation agency in terms of the Western Cape Nature Conservation Board Act, 1998 (Act 15 of 1998), and was listed as a provincial public entity in terms of the Public Finance Management Act, 1999 (Act 1 of 1999). The responsibilities of this sub-programme include the management of specific land areas and related conservation activities, the building of a sound scientific base for the effective management of natural resources and biodiversity conservation decision-making. As a conservation agency, CapeNature is primarily engaged in nature conservation as well as the tourism and hospitality industry, and research, education and visitor services.

Sub-programme: Coastal resource use

The sub-programme is responsible for promoting integrated marine and coastal management and ensuring a balance between socio-economic development and the coastal and marine ecology.

Progress analysis

Progress is categorised according to specific strategic objectives.

Progress on Strategic Objective

To mainstream the sustainable development paradigm in environmental planning and management.

- Continued to participate in the national bioregional programmes, namely the Cape Action for People and the Environment (CAPE), the Succulent Karoo Ecosystem Project (SKEP) and the Sub Tropical Thicket Ecosystem Project (STEP).
- Established Regional Coastal Forums across the Province.
- Continued implementation of the sustainable livelihoods awareness, in partnership with CapeNature.

Progress on Strategic Objective

To develop systems, processes and measures to support service delivery.

- Implemented the biodiversity monitoring system for CapeNature.

Progress on Strategic Objective

To promote environmental integrity and the progressive realisation of environmental rights.

- Continued the implementation of the Western Cape Integrated Coastal Management Programme.

Progress on Strategic Objective

To develop intervention strategies to facilitate equitable access to and participation in, the environmental economy.

- Implemented selected priorities of the Western Cape Integrated Coastal Management Programme.
- Continued the development and implementation of the Western Cape Integrated Coastal Management Programme.
- Continued involvement and support of sustainable coastal livelihoods projects.
- Continued implementation of the national White Paper on Coastal environmental planning and Management.

Special measures to be implemented to ensure that the specified strategic objectives are achieved

- Implement support practices to ensure a favourable demand: capacity ratio (volumetric studies, intern and contract appointments, post level upgraded and specialist dispensation).
- Support the implementation of the Human Resource Development Strategy and Implementation Plan with specific emphasis on staff retention and recruitment.

3. LEGISLATION

The Acts, rules and regulations applicable on the Department are listed in Table 1

Table1: Acts, rules and regulations applicable in the Western Cape

Noise Control Regulations (Provincial Notice 627/1998)
Constitution of the Republic of South Africa, 1996 (Act No. 108 of 1996)
Provincial Development Council Law, 1996 (Law No. 5 of 1996)
Sea-shore Act, 1935 (Act No. 21 of 1935)
Constitution of the Western Cape, 1998 (Act No. 1 of 1998)
Atmospheric Pollution Prevention Act, 1965 (Act No. 45 of 1965)
Western Cape Land Administration Act, 1998 (Act No. 6 of 1998)
Mountain Catchment Areas Act, 1970 (Act No. 63 of 1970)
Western Cape Nature Conservation Board Act, 1998 (Act No. 15 of 1998)
Forest Act, 1984 (Act No.122 of 1984)
Western Cape Planning and Development Act, 1999 (Act No. 7 of 1999)
Environment Conservation Act, 1989 (Act No. 73 of 1989)
Land Use Planning Ordinance, 1985 (Ordinance 15 of 1985)
Minerals Act, 1991 (Act No. 50 of 1991)
Nature and Environmental Conservation Ordinance (Ordinance 19 of 1974)
Occupation Health and Safety Act, 1993 (Act No. 85 of 1993)
Problem Animal Control Ordinance, 1957 (Ordinance 26 of 1957)
Public Service Act, 1994 (Proclamation No. 103 of 1994)
Promotion of Administrative Justice Act, 2000 (Act No. 3 of 2000)
Labour Relations Act, 1995 (Act No. 66 of 1995)
Disaster Management Act, 2002 (Act No. 57 of 2002)
Basic Conditions of Employment Act, 1997 (Act No. 75 of 1997)
Hazardous Substances Act, 1973 (Act No. 15 of 1973)
Annual Division of Revenue Act
Gas Act, 2001 (Act No 48 of 2001)
National Water Act, 1998 (Act No. 36 of 1998)
Municipal Finance Management Act, 2003 (Act No. 56 of 2003)
Employment Equity Act, 1998 (Act No. 55 of 1998)
National Environment Management Act, 1998 (Act No. 107 of 1998)
National Forest Act, 1998 (Act No. 84 of 1998)
National Environment Management: Air Quality Act, 2004 (No. 39 of 2004)
Skills Development Act, 1998 (Act No. 97 of 1998)
National Environment Management: Biodiversity Act, 2004 (No. 10 of 2004)
National Environmental Management Act, 1998 (Act No. 107 of 1998)
National Environment Management: Protected Areas Act, 2003 (No. 57 of 2003)
Public Finance Management Act, 1999 (Act No. 1 of 1999)
Skills Development Levies Act, 1999 (Act No. 29 of 1999)
National Environment Management: Integrated Coastal Management Bill:
Promotion of Access to Information Act, 2000 (Act No. 2 of 2000)
Draft (Gazette 29476, Notice 1829)

4. Municipal Integrated Development Planning and Evaluation by Province

The Department is participating in the Integrated Development Planning Toolkit with the Department of Environmental Affairs and Tourism. Various meetings with the Municipalities took place and they are fully aware of the Department's expectations with regards to environmental management. Components of the Department meet on a regular basis with the municipalities regarding issues affecting the environment. As part of the Integrated Development Planning Toolkit a template will be developed for municipalities to report on environmental management issues as the current reporting on environmental management makes it almost impossible for the Department to evaluate municipal IDP's.

5. Coordination, cooperation, and outsourcing plans

Interdepartmental linkages

5.1 Western Cape Nature Conservation Board

The Memorandum of Understanding (MOU) entered into with the Western Cape Nature Conservation Board to promote mutual goodwill, understanding and cooperation between the Department and the Board.

5.2 Cape Action for the People and the Environment (CAPE)

A Memorandum of Understanding on the implementation of the Cape Action for People and Environment (CAPE) project was entered into between the Minister of Environmental Affairs and Agriculture, the national Department of Water Affairs and Forestry, Tourism, the Minister of Water Affairs and Forestry, the MEC for Economic Affairs, Environment and Tourism (Eastern Cape) and the Western Cape Minister of Environmental Affairs, Planning and Economic Development.

A Memorandum of Understanding was signed between the Head of Department of the former Department of Planning, Local Government and Housing and the Coordinator of Cape Action for People and Environment. This Memorandum of Understanding is now the responsibility of the Department of Environmental Affairs and Development Planning. The Memorandum of Understanding endorses and subscribes to the aims and goals of maintaining the unique biodiversity of the Western Cape as promoted by Cape Action Plan for People and Environment.

5.3 Interdepartmental cooperation

The Department is in the process of negotiating Memoranda of Understanding in respect of the following matters:

- Streamlining of administrative and decision-making processes in respect of agriculture applications with the national and provincial Departments of Agriculture, the national Department of Water Affairs and Forestry and the Western Cape Nature Conservation Board.
- Streamlining of administrative and decision-making processes in respect of mining applications with the national Department of Minerals and

Energy, the national and provincial Departments of Agriculture, the national Department of Water Affairs and Forestry, local authorities and the Western Cape Nature Conservation Board.

- Cooperation and coordination on compliance and enforcement with the national Department of Water Affairs and Forestry.

Annexure A

Environmental Strategy and Action Plan for the Western Cape

Integrated Climate Change Response Strategy and Action Plan for the Western Cape

Key outcome 1: Establish a cohesive Water Supply and Infrastructure Management Programme that integrates climate impacts and risks		
Action:	Responsibility	Existing initiatives / platforms
<ul style="list-style-type: none"> • Establish a Water Group and co-ordinator at a provincial level and a Programme Steering Committee (PSC) that is representative of DWAF, DoA, the Disaster Management Unit, Local Authorities, communities and industry 	DWAF as lead, with DEA&DP and CapeNature; DoA. The existing Provincial Liaison Committee, run by DWAF can be given this mandate	Provincial Water Resource Group
<ul style="list-style-type: none"> • Establish a cohesive and integrated vision and targets for water management at a provincial level and develop related Terms of Reference 	Co-ordinator, with the PSC	The Premier's office is finalising an integrated water management plan for the province with DWAF and other stakeholders
<ul style="list-style-type: none"> • Build capacity in the relevant CMAs 	DWAF	2 CMAs are established – could act as pilots / centres of excellence for establishing capacity in the balance
<ul style="list-style-type: none"> • Develop a research and planning manual 	DWAF	
<ul style="list-style-type: none"> • Map out municipal water supply systems, with storages and linkages and drawdowns • Map out irrigated agriculture, with crops and water supply systems (off and on-farm) • Develop financial model of irrigated agriculture • Develop drought scenarios • Model impacts of droughts and timing and costs of back-up response options such as desalination, wastewater treatment and the use of the aquifer. 	Co-ordinator with relevant departments	
<ul style="list-style-type: none"> • Research and verify extent of losses 	Consultants	Cape Town City and DWAF have existing research and CTC has implementation plans (not yet implemented)
<ul style="list-style-type: none"> • Set targets – e.g. reduce water leaks and UAW to 15% by 2010. Monitor and validate this through research in order to quantify water savings in context of new supply systems. 	DWAF / Premier's office	
<ul style="list-style-type: none"> • Allocate responsibility and create accountability ¹ 	DWAF / Premier's office	
<ul style="list-style-type: none"> • Secure appropriate budget 	DWAF / Treasury	
<ul style="list-style-type: none"> • Communicate the programme and outcomes 	DWAF Communications department / PCCC / Premier's office	
<ul style="list-style-type: none"> • Monitor effectiveness 	DWAF / PCCC	
<ul style="list-style-type: none"> • Establish and communicate water efficiency targets – 15% by 2014 	DWAF	
<ul style="list-style-type: none"> • Establish an appropriate pricing strategy / tariff structure 	DWAF / Treasury	
<ul style="list-style-type: none"> • Establish a fund into which the environmental tariff should flow – a Western Cape Fund 	DWAF / Treasury	
<ul style="list-style-type: none"> • Appoint a fund manager and establish criteria for fund disbursements – for example, research into capacity for water supply back-up and establish whether or not this back up supply could come from a desalination plant 	DWAF / Treasury	
<ul style="list-style-type: none"> • Communication, education and awareness 	DWAF communications department and PCCC	
<ul style="list-style-type: none"> • Establish clear monitoring platform – of water efficiency levels in all sectors and fund management 	PCCC	
<ul style="list-style-type: none"> • Create a science-government platform for discussion and formulation of needs for water-related requirements (e.g. research requirements; information database; awareness campaigns) 	Co-ordinator / PCCC	

1. DWAF does not have a provincial function. The Premier's office is drafting an integrated water plan for the Western Cape with DWAF input.

Key outcome 2: Establish a focused climate change research and weather information programme		
Action:	Responsibility	Existing initiatives / platforms
<ul style="list-style-type: none"> Allocate the budget on the basis of 14 stations for the 2007/2008 financial year and 11 for the 2008/2009 financial year 	Department of Agriculture (DoA) and Treasury	Many weather stations exist but are not consistent and do not yield same resolution of information. Some are privately owned and monitored
<ul style="list-style-type: none"> Establish the channels for communicating weather information 	DoA communications department with the PCCC; Provincial Disaster Management Unit and Local Authority Emergency Services	SAWS
<ul style="list-style-type: none"> Establish the platforms for collating weather data and analysis thereof in the context of climate change indicators 	DoA / PCCC / CSAG? (to be determined)	CSAG and SAWS do some weather monitoring – could act a a platform for expansion
<ul style="list-style-type: none"> Allocate budget for targeted climate change research and modelling and reporting for the province 	DEADP / PCCC / CSAG	

Key outcome 3: Establish clear linkages between land stewardship, livelihoods and the economy		
3.1 Land Care and Resource Conservation		
3.1.1 Climate Change and Wetland Conservation		
Action:	Responsibility	Existing initiatives / platforms
<ul style="list-style-type: none"> Determine and implement the Ecological Reserve for key wetlands 	DWAF	Working for Wetlands programmes
<ul style="list-style-type: none"> Institute efficient demand-side management, especially in the agricultural sector 	DA, DWAF	
<ul style="list-style-type: none"> Integration of land and water resource management in order to reduce non-climate stresses on wetlands 	DWAF, DA, DEADP	Working for Wetlands
<ul style="list-style-type: none"> Assessment and expansion of the protected area system to accommodate valuable but threatened wetlands 	Working for Wetlands, CAPE, CapeNature, DEADP, SANParks	Working for Wetlands
<ul style="list-style-type: none"> Assessment of climate change-induced threats to wetland-based livelihoods (e.g. harvesting of waterblommietjies and restios and fisheries) and development of strategies to mitigate and adapt to these impacts 	DEAT/SANBI? (to be determined)	
<ul style="list-style-type: none"> Assessment of the actual vulnerability of wetlands and wetland species and functions to climate change and sea-level rise 	DEAT/SANBI? (to be determined)	
<ul style="list-style-type: none"> High priority management actions, including rehabilitation, in valuable wetlands that are likely to be lost or degraded 	CapeNature, DA, DWAF, Working for Wetlands	Working for Wetlands
<ul style="list-style-type: none"> Reduce nutrient loading in rivers and protect/augment riparian vegetation to offset eutrophication effects of higher water temperatures 	DWAF, DA	
<ul style="list-style-type: none"> Secure and rehabilitate wetlands that have potential to play key flood attenuation roles. Rehabilitate river channels to improve their ability to withstand and attenuate extreme flow events 	DWAF, Working for Wetlands, Working for Water, DA	
<ul style="list-style-type: none"> Re-evaluate design criteria of dams, levees and other infrastructure for flood protection 	DWAF, municipalities	
3.1.2 Invasive Alien Species (IAS) Management		
Action:	Responsibility	Existing initiatives / platforms
<ul style="list-style-type: none"> Establish an Alien Species Management Working Group & Co-ordinator and establish a Programme Steering Committee (representative of relevant stakeholders, including community representation) 	CapeNature as lead with DEA&DP, Department of Agriculture, Department of Health, DWAF (Project Steering Committee)	Working for Water (KZN model could be considered for replication to some extent)
<ul style="list-style-type: none"> Develop clear Terms of Reference and a clear vision and targets in priority areas 	CapeNature	
<ul style="list-style-type: none"> Consolidate current programmes 	CapeNature with PSC	Working for Water
<ul style="list-style-type: none"> Develop provincial and regional strategic plans 	CapeNature	Working for Water
<ul style="list-style-type: none"> Employ dedicated Area and Project Managers 	CapeNature	
<ul style="list-style-type: none"> Develop appropriate IAS policies 	CapeNature with PSC	
<ul style="list-style-type: none"> Establish public private and community partnerships (for example, between Department of Agriculture and farmers (through the industry associations) on pest management programmes 	CapeNature / PSC / Appropriate department and industry and community associations	
<ul style="list-style-type: none"> Establish monitoring platform 	CapeNature with PSC	
<ul style="list-style-type: none"> Establish clear communication channels and channels for disseminating information 	CapeNature; Provincial Climate Change Committee (PCCC) and DEA&DP communications	Working for Water
<ul style="list-style-type: none"> Communication, Education and Awareness campaign 	DEA&DP communications	
3.1.3 Extension of protected areas		
Action:	Responsibility	Existing initiatives / platforms
<ul style="list-style-type: none"> Allocate required funds to convert identified public and private land at risk to protected areas 	DEA&DP / Treasury	

<ul style="list-style-type: none"> And / alternatively engage private land owners in conservation activities through facilitative actions (Stewardship & LandCare programmes) accessing funds from the Adaptation Fund 	DEA&DP (CAPE) / SANBI	
<ul style="list-style-type: none"> Identify research needed to be conducted to access Adaptation Funding (including identifying suitable land) 	DEA&DP / SANBI	
<ul style="list-style-type: none"> Conduct research and apply for Adaptation Funding 	CAPE / SANBI? (to be determined)	
<ul style="list-style-type: none"> Convert 6200 ha public land by 2012 and place under management 	CAPE	
<ul style="list-style-type: none"> Monitor private land conversion 	CAPE	
3.1.4 Fire risk management and control		
Action:	Responsibility	Existing initiatives / platforms
<ul style="list-style-type: none"> Identify key improvement and performance areas in Fire Protection Organisations and Services 	DWAF / Cape / Disaster Management Unit and Local Authorities	
<ul style="list-style-type: none"> Introduce municipal level risk rating and damage cost reduction targets 	DWAF / Office of the Premier	
<ul style="list-style-type: none"> Budget for improved capacity – resources and equipment and implement 	DWAF / Disaster Management Unit / Treasury	
<ul style="list-style-type: none"> Budget for improved Working for Fire communication, education and awareness campaigns 	DWAF / Treasury	
<ul style="list-style-type: none"> Introduce spot fines for human activity that can lead to fires (e.g. throwing lighted cigarette butts, making fires in prohibited areas) 	DWAF / Office of the Premier (to be determined)	
<ul style="list-style-type: none"> Strengthen conservation guard control capacity and manpower 	DWAF / CAPE (TBD)	
<ul style="list-style-type: none"> Implement communication and awareness campaign 	DWAF communications department / Working for Fire	
3.2 Climate Change and Development Planning – the Built Environment		
3.2.1 Integrate climate change into development planning and approval processes		
Action:	Responsibility	Existing initiatives / platforms
<p><i>Integrate Climate Change into IDPs:</i></p> <ul style="list-style-type: none"> Develop guidelines for integrating climate risks into IDP processes – manual Identify 2-3 pilot municipalities to test these guidelines and run a pilot Re-inform the guidelines and appoint a task team to support municipalities in the process of developing their IDPs with reference to climate change Establish guidelines for IDP reviewers to assess adequate integration of climate risks into IDPs under review 	DPLG with support from DEA&DP	Disaster Management have just completed manuals for IDP managers to integrate disaster Management and emergency planning into IDPs
<p><i>Integrate climate risks into EIA processes</i></p> <ul style="list-style-type: none"> Formulate guidelines and a manual that facilitates project approvers to consider climate risks in their approval processes. Establish accountability 	DEA&DP	

3.2.2 Map the 1:50 year floodline: assess risk and infrastructure vulnerability		
<p><i>Map the 1:50 year floodline</i> and disseminate information to local authorities and developers as well as to EIA reviewers to ensure responsible development planning and decision making:</p> <ul style="list-style-type: none"> • Populate municipal infrastructure database for study area (if not already done) • Apply 1:50 and 1:25 year floods zones to infrastructure displays (where available) • Record entities at risk + values of replacement (including lives and livelihoods where possible) • Ground-truth for possible failure of infrastructure – e.g. undersized culverts, inappropriately placed infrastructure. 	DWAF, in conjunction with DEA&DP, DPLG and The Office of the Premier	
3.2.3 Incorporate climate risks in fisheries planning		
<p><i>Research and plan integration of climate risks into Operation Management Procedures in fisheries</i></p> <ul style="list-style-type: none"> • Climate change poses a risk to fishing stocks that are already depleted by exploitation and this needs to be managed in a systematic way. 	MCM in consultation with DEA&DP	
3.3 Livelihoods		
Action:	Responsibility	Existing initiatives / platforms
3.3.1 Develop socio-economic scenarios using social services data (as stated)		
<ul style="list-style-type: none"> • Research socio-economic impacts on communities and livelihoods affected in the fishing industry • Research the implications of growing populations on water and energy as scarce resources 	DEA&DP	
3.3.2 Research the implications of climate change on fishing stocks		
<ul style="list-style-type: none"> • Conduct climate change specific research on fishing stocks and understand the impacts over and above existing stock exploitation issues 	MCM, coordinated by DEA&DP	
3.3.3 Research impacts of climate change on tourism demand and projected growth		
<ul style="list-style-type: none"> • Research impacts of climate change on tourism demand and projected growth; understand the impacts of international mitigation on WC tourism (e.g carbon taxes on flights); Consider flight schedule issues 	National DEAT, co-funded by WC Department of Economic Development and Tourism	

Key outcome 4: Reduce our carbon footprint		
Action:	Responsibility	Existing initiatives / platforms
4.1 Air Quality Monitoring		
<ul style="list-style-type: none"> • Verify locations 	DEA&DP with Local authorities	DEA&DP have already purchased 3 additional stations and are considering placement
<ul style="list-style-type: none"> • Allocate budget for stations and for education and awareness and response / early warning systems 	Local authorities / Treasury	
<ul style="list-style-type: none"> • Establish monitoring human resource capacity and train 	Local authorities	
<ul style="list-style-type: none"> • Establish clear channels for disseminating monitored data (with reference to the AQ Management Act) 	PCCC / AQ Committee	
<ul style="list-style-type: none"> • Establish early warning mechanism and system with the Provincial Disaster Management Unit structures (local authorities) and the Department of Health 	PDMU / Local authorities / Dept Health	
<ul style="list-style-type: none"> • Establish communication channels with the Office of the Premier – for example to communicate high pollution events and to inform the public 	PCCC / Office of the Premier	
<ul style="list-style-type: none"> • Establish guidelines for the public during high pollution events that aim to reduce / minimise the impact 	AQ Management committee	
<ul style="list-style-type: none"> • Educate and communicate 	Local authorities? (to be determined)	
4.2 Household fuel replacement		
<ul style="list-style-type: none"> • Extend the existing subsidy for ceilings in new houses to retro-fitting of existing houses 	Housing	Kuyaso as a pilot
<ul style="list-style-type: none"> • Establish subsidies for alternate fuels (gelfuel / LPG) and related equipment (Stoves, heaters) 	Housing / Treasury	
<ul style="list-style-type: none"> • Monitor the impacts of revised safety standards as developed by the paraffin industry on fire incidents and losses induced by fires 	DEA&DP / DMU / Health	
<ul style="list-style-type: none"> • Establish distribution networks in the high density areas (peri-urban and rural) 	Housing	

• Establish a communication education and awareness programme (communications strategy)	PCCC and Housing communications department with Office of the Premier? (to be determined); Disaster Management Unit (under the fire brigade unit)	
• Establish monitoring platform	DEA&DP	
4.3 Climate change and integrated public transport planning		
• Research subsidy structure	Department of Transport; CTC and in context of the George Mobility Strategy (Eden Municipality)	
• Research alternate fuels – viability – CNG or LPG or biofuels		
• Incentivise Taxi industry / Golden Arrow to use CNG / LPG / Biofuels	DoT / Treasury	
• Allocate budget	DoT / Treasury	
• Convert 30% of provincial vehicles to CNG/LPG /Biofuels by 2010	DoT	
• Integrate programme into provincial initiatives such as the George Mobility Strategy and the Worldcup 2010 Transport strategy	DoT / Ninham Shand / Actios	
• Communication education and awareness	DoT communications department / PCCC	
• Monitor impacts	DoT / PCCC	
4.4 Strengthen Western Cape renewable energy supply		
• Integrate with WC Integrated Energy Strategy Targets	DEA&DP / DME	
• Research and develop an appropriate pricing strategies	DEA&DP / Treasury	
• Establish a capacity building and support programme for the EE and RE supply industries – for example the installation capacity of Solar Water Heaters	DEA&DP	
• Finalise the proposed CTC by-law on SWH	CT City / DEA&DP	
• Commercialise the SWH industry with government support	Economic Development and Tourism	
• Establish a fund for financing domestic sector SWH installations and capital expenditure	DEA&DP – in partnership with Banks and the Insurance Industry	
• Implement the Solar 500 programme and ensure effective monitoring of results	DEA&DP / CEF	
• Communicate energy savings potential to domestic and commercial consumers	DEA&DP communications department	
• Establish energy efficient standards for the housing development industry	Department of Housing; Local Authorities; DEA&DP	
• Establish a clear communications, education and awareness campaign aimed at behaviour change in consumer patterns	PCCC; DEA&DP communications	
4.5 Waste Management and Climate Change		
Action	Responsibility	Existing initiatives/ platforms
Opportunity assessment and analysis of all waste streams and provincial MSW sites and practices – including recycling opportunities and an analysis of job creation potential	Local Government and housing and PCCC / DEA&DP	
Investigation of R&D opportunities and allocation of R&D budget	Department of Economic Development; DEA&DP; Treasury	
Assessment of policy, possible incentives, appropriate processes to achieve integrated waste management	Department of local government; DEA&DP	
Development of a clear waste management solution and action plan for implementation	DEA&DP; Department of local government	

ANNEXURE A

Western Cape 2nd Edition Environmental Implementation Plan: Action Plans

Key outcome # 1: Establish a cohesive Water Supply and Infrastructure Management Programme that integrates climate impacts and risks		
Action:	Responsibility	Existing initiatives / platforms
• Establish a Water Group and co-ordinator at a provincial level and a Programme Steering Committee (PSC) that is representative of DWAF, DoA, the Disaster Management Unit, Local Authorities, communities and industry	DWAF as lead, with DEA&DP and CapeNature; DoA. The existing Provincial Liaison Committee, run by DWAF can be given this mandate	Provincial Water Resource Group
• Establish a cohesive and integrated vision and targets for water management at a provincial level and develop related Terms of Reference	Co-ordinator, with the PSC	The Premier's office is finalising an integrated water management plan for the province with DWAF and other stakeholders
• Build capacity in the relevant CMAs	DWAF	2 CMAs are established – could act as pilots / centres of excellence for establishing capacity in the balance
• Develop a research and planning manual	D WAF	

<ul style="list-style-type: none"> Map out municipal water supply systems, with storages and linkages and drawdowns Map out irrigated agriculture, with crops and water supply systems (off and on-farm) Develop financial model of irrigated agriculture Develop drought scenarios Model impacts of droughts and timing and costs of back-up response options such as desalination, wastewater treatment and the use of the aquifer. 	Co-ordinator with relevant departments	
<ul style="list-style-type: none"> Research and verify extent of losses 	Consultants	Cape Town City and DWAF have existing research and CTC has implementation plans (not yet implemented)
<ul style="list-style-type: none"> Set targets – e.g. reduce water leaks and UAW to 15% by 2010. Monitor and validate this through research in order to quantify water savings in context of new supply systems. 	DWAF / Premier's office	
<ul style="list-style-type: none"> Allocate responsibility and create accountability² 	DWAF / Premier's office	
<ul style="list-style-type: none"> Secure appropriate budget 	DWAF / Treasury	
<ul style="list-style-type: none"> Communicate the programme and outcomes 	DWAF Communications department / PCCC / Premier's office	
<ul style="list-style-type: none"> Monitor effectiveness 	DWAF / PCCC	
<ul style="list-style-type: none"> Establish and communicate water efficiency targets – 15% by 2014 	DWAF	
<ul style="list-style-type: none"> Establish an appropriate pricing strategy / tariff structure 	DWAF / Treasury	
<ul style="list-style-type: none"> Establish a fund into which the environmental tariff should flow – a Western Cape Fund 	DWAF / Treasury	
<ul style="list-style-type: none"> Appoint a fund manager and establish criteria for fund disbursements – for example, research into capacity for water supply back-up and establish whether or not this back up supply could come from a desalination plant 	DWAF / Treasury	
<ul style="list-style-type: none"> Communication, education and awareness 	DWAF communications department and PCCC	
<ul style="list-style-type: none"> Establish clear monitoring platform – of water efficiency levels in all sectors and fund management 	PCCC	
<ul style="list-style-type: none"> Create a science-government platform for discussion and formulation of needs for water-related requirements (e.g. research requirements; information database; awareness campaigns) 	Co-ordinator / PCCC	

Key outcome #2: Establish a focused climate change research and weather information programme

Action:	Responsibility	Existing initiatives / platforms
<ul style="list-style-type: none"> Allocate the budget on the basis of 14 stations for the 2007/2008 financial year and 11 for the 2008/2009 financial year 	Department of Agriculture (DoA) and Treasury	Many weather stations exist but are not consistent and do not yield same resolution of information. Some are privately owned and monitored
<ul style="list-style-type: none"> Establish the channels for communicating weather information 	DoA communications department with the PCCC; Provincial Disaster Management Unit and Local Authority Emergency Services	SAWS
<ul style="list-style-type: none"> Establish the platforms for collating weather data and analysis thereof in the context of climate change indicators 	DoA / PCCC / CSAG? (to be determined)	CSAG and SAWS do some weather monitoring – could act a a platform for expansion
<ul style="list-style-type: none"> Allocate budget for targeted climate change research and modelling and reporting for the province 	DEADP / PCCC / CSAG	

Key outcome # 3: Establish clear linkages between land stewardship, livelihoods and the economy

3.1 Land Care and Resource Conservation

3.1.1 Climate Change and Wetland Conservation

Action:	Responsibility	Existing initiatives / platforms
<ul style="list-style-type: none"> Determine and implement the Ecological Reserve for key wetlands 	DWAF	Working for Wetlands programmes
<ul style="list-style-type: none"> Institute efficient demand-side management, especially in the agricultural sector 	DA, DWAF	
<ul style="list-style-type: none"> Integration of land and water resource management in order to reduce non-climate stresses on wetlands 	DWAF, DA, DEADP	Working for Wetlands
<ul style="list-style-type: none"> Assessment and expansion of the protected area system to accommodate valuable but threatened wetlands 	Working for Wetlands, CAPE, CapeNature, DEADP, SANParks	Working for Wetlands

2. DWAF does not have a provincial function. The Premier's office is drafting an integrated water plan for the Western Cape with DWAF input.

<ul style="list-style-type: none"> Assessment of climate change-induced threats to wetland-based livelihoods (e.g. harvesting of waterblommetjies and restios and fisheries) and development of strategies to mitigate and adapt to these impacts 	DEAT/SANBI? (to be determined)	
<ul style="list-style-type: none"> Assessment of the actual vulnerability of wetlands and wetland species and functions to climate change and sea-level rise 	DEAT/SANBI? (to be determined)	
<ul style="list-style-type: none"> High priority management actions, including rehabilitation, in valuable wetlands that are likely to be lost or degraded 	CapeNature, DA, DWAF, Working for Wetlands	Working for Wetlands
<ul style="list-style-type: none"> Reduce nutrient loading in rivers and protect/augment riparian vegetation to offset eutrophication effects of higher water temperatures 	DWAF, DA	
<ul style="list-style-type: none"> Secure and rehabilitate wetlands that have potential to play key flood attenuation roles. Rehabilitate river channels to improve their ability to withstand and attenuate extreme flow events 	DWAF, Working for Wetlands, Working for Water, DA	
<ul style="list-style-type: none"> Re-evaluate design criteria of dams, levees and other infrastructure for flood protection 	DWAF, municipalities	
3.1.2 Invasive Alien Species (IAS) Management		
Action:	Responsibility	Existing initiatives / platforms
<ul style="list-style-type: none"> Establish an Alien Species Management Working Group & Co-ordinator and establish a Programme Steering Committee (representative of relevant stakeholders, including community representation) 	CapeNature as lead with DEA&DP, Department of Agriculture, Department of Health, DWAF (Project Steering Committee)	Working for Water (KZN model could be considered for replication to some extent)
<ul style="list-style-type: none"> Develop clear Terms of Reference and a clear vision and targets in priority areas 	CapeNature	
<ul style="list-style-type: none"> Consolidate current programmes 	CapeNature with PSC	Working for Water
<ul style="list-style-type: none"> Develop provincial and regional strategic plans 	CapeNature	Working for Water
<ul style="list-style-type: none"> Employ dedicated Area and Project Managers 	CapeNature	
<ul style="list-style-type: none"> Develop appropriate IAS policies 	CapeNature with PSC	
<ul style="list-style-type: none"> Establish public private and community partnerships (for example, between Department of Agriculture and farmers (through the industry associations) on pest management programmes 	CapeNature / PSC / Appropriate department and industry and community associations	
<ul style="list-style-type: none"> Establish monitoring platform 	CapeNature with PSC	
<ul style="list-style-type: none"> Establish clear communication channels and channels for disseminating information 	CapeNature; Provincial Climate Change Committee (PCCC) and DEA&DP communications	Working for Water
<ul style="list-style-type: none"> Communication, Education and Awareness campaign 	DEA&DP communications	
3.2.4 Extension of protected areas		
Action:	Responsibility	Existing initiatives / platforms
<ul style="list-style-type: none"> Allocate required funds to convert identified public and private land at risk to protected areas 	DEA&DP / Treasury	
<ul style="list-style-type: none"> And / alternatively engage private land owners in conservation activities through facilitative actions (Stewardship & LandCare programmes) accessing funds from the Adaptation Fund 	DEA&DP (CAPE) / SANBI	
<ul style="list-style-type: none"> Identify research needed to be conducted to access Adaptation Funding (including identifying suitable land) 	DEA&DP / SANBI	
<ul style="list-style-type: none"> Conduct research and apply for Adaptation Funding 	CAPE / SANBI? (to be determined)	
<ul style="list-style-type: none"> Convert 6200 ha public land by 2012 and place under management 	CAPE	
<ul style="list-style-type: none"> Monitor private land conversion 	CAPE	
3.2.5 Fire risk management and control		
Action:	Responsibility	Existing initiatives / platforms
<ul style="list-style-type: none"> Identify key improvement and performance areas in Fire Protection Organisations and Services 	DWAF / Cape / Disaster Management Unit and Local Authorities	
<ul style="list-style-type: none"> Introduce municipal level risk rating and damage cost reduction targets 	DWAF / Office of the Premier	
<ul style="list-style-type: none"> Budget for improved capacity – resources and equipment and implement 	DWAF / Disaster Management Unit / Treasury	
<ul style="list-style-type: none"> Budget for improved Working for Fire communication, education and awareness campaigns 	DWAF / Treasury	
<ul style="list-style-type: none"> Introduce spot fines for human activity that can lead to fires (e.g. throwing lighted cigarette butts, making fires in prohibited areas) 	DWAF / Office of the Premier (to be determined)	
<ul style="list-style-type: none"> Strengthen conservation guard control capacity and manpower 	DWAF / CAPE (TBD)	
<ul style="list-style-type: none"> Implement communication and awareness campaign 	DWAF communications department / Working for Fire	

3.3 Climate Change and Development Planning – the Built Environment		
3.2.1 Integrate climate change into development planning and approval processes		
Action:	Responsibility	Existing initiatives / platforms
<p>Integrate Climate Change into IDPs:</p> <ul style="list-style-type: none"> Develop guidelines for integrating climate risks into IDP processes – manual Identify 2-3 pilot municipalities to test these guidelines and run a pilot Re-inform the guidelines and appoint a task team to support municipalities in the process of developing their IDPs with reference to climate change Establish guidelines for IDP reviewers to assess adequate integration of climate risks into IDPs under review 	DPLG with support from DEA&DP	Disaster Management have just completed manuals for IDP managers to integrate disaster Management and emergency planning into IDPs
<p>Integrate climate risks into EIA processes</p> <ul style="list-style-type: none"> Formulate guidelines and a manual that facilitates project approvers to consider climate risks in their approval processes. Establish accountability 	DEA&DP	
3.2.2 Map the 1:50 year floodline: assess risk and infrastructure vulnerability		
<p>Map the 1:50 year floodline and disseminate information to local authorities and developers as well as to EIA reviewers to ensure responsible development planning and decision making:</p> <ul style="list-style-type: none"> Populate municipal infrastructure database for study area (if not already done) Apply 1:50 and 1:25 year floods zones to infrastructure displays (where available) Record entities at risk + values of replacement (including lives and livelihoods where possible) Ground-truth for possible failure of infrastructure – e.g. undersized culverts, inappropriately placed infrastructure. 	DWAF, in conjunction with DEA&DP, DPLG and The Office of the Premier	
3.3.3 Incorporate climate risks in fisheries planning		
<p>Research and plan integration of climate risks into Operation Management Procedures in fisheries</p> <ul style="list-style-type: none"> Climate change poses a risk to fishing stocks that are already depleted by exploitation and this needs to be managed in a systematic way. 	MCM in consultation with DEA&DP	
3.3 Livelihoods		
Action:	Responsibility	Existing initiatives / platforms
3.3.1 Develop socio-economic scenarios using social services data (as stated)		
<ul style="list-style-type: none"> Research socio-economic impacts on communities and livelihoods affected in the fishing industry Research the implications of growing populations on water and energy as scarce resources 	DEA&DP	
3.3.2 Research the implications of climate change on fishing stocks		
<ul style="list-style-type: none"> Conduct climate change specific research on fishing stocks and understand the impacts over and above existing stock exploitation issues 	MCM, coordinated by DEA&DP	
3.3.3 Research impacts of climate change on tourism demand and projected growth		
<ul style="list-style-type: none"> Research impacts of climate change on tourism demand and projected growth; understand the impacts of international mitigation on WC tourism (e.g carbon taxes on flights); Consider flight schedule issues 	National DEAT, co-funded by WC Department of Economic Development and Tourism	

Key outcome # 4: Reduce our carbon footprint		
Action:	Responsibility	Existing initiatives / platforms
4.1 Air Quality Monitoring		
<ul style="list-style-type: none"> Verify locations 	DEA&DP with Local authorities	DEA&DP have already purchased 3 additional stations and are considering placement
<ul style="list-style-type: none"> Allocate budget for stations and for education and awareness and response / early warning systems 	Local authorities / Treasury	
<ul style="list-style-type: none"> Establish monitoring human resource capacity and train 	Local authorities	
<ul style="list-style-type: none"> Establish clear channels for disseminating monitored data (with reference to the AQ Management Act) 	PCCC / AQ Committee	
<ul style="list-style-type: none"> Establish early warning mechanism and system with the Provincial Disaster Management Unit structures (local authorities) and the Department of Health 	PDMU / Local authorities / Dept Health	

• Establish communication channels with the Office of the Premier – for example to communicate high pollution events and to inform the public	PCCC / Office of the Premier	
• Establish guidelines for the public during high pollution events that aim to reduce / minimise the impact	AQ Management committee	
• Educate and communicate	Local authorities? (to be determined)	
4.2 Household fuel replacement		
• Extend the existing subsidy for ceilings in new houses to retro-fitting of existing houses	Housing	Kuyaso as a pilot
• Establish subsidies for alternate fuels (gelfuel / LPG) and related equipment (Stoves, heaters)	Housing / Treasury	
• Monitor the impacts of revised safety standards as developed by the paraffin industry on fire incidents and losses induced by fires	DEA&DP / DMU / Health	
• Establish distribution networks in the high density areas (peri-urban and rural)	Housing	
• Establish a communication education and awareness programme (communications strategy)	PCCC and Housing communications department with Office of the Premier? (to be determined); Disaster Management Unit (under the fire brigade unit)	
• Establish monitoring platform	DEA&DP	
4.3 Climate change and integrated public transport planning		
• Research subsidy structure	Department of Transport; CTC and in context of the George Mobility Strategy (Eden Municipality)	
• Research alternate fuels – viability – CNG or LPG or biofuels		
• Incentivise Taxi industry / Golden Arrow to use CNG / LPG / Biofuels	DoT / Treasury	
• Allocate budget	DoT / Treasury	
• Convert 30% of provincial vehicles to CNG/LPG /Biofuels by 2010	DoT	
• Integrate programme into provincial initiatives such as the George Mobility Strategy and the Worldcup 2010 Transport strategy	DoT / Ninham Shand / Actios	
• Communication education and awareness	DoT communications department / PCCC	
• Monitor impacts	DoT / PCCC	
4.4 Strengthen Western Cape renewable energy supply		
• Integrate with WC Integrated Energy Strategy Targets	DEA&DP / DME	
• Research and develop an appropriate pricing strategies	DEA&DP / Treasury	
• Establish a capacity building and support programme for the EE and RE supply industries – for example the installation capacity of Solar Water Heaters	DEA&DP	
• Finalise the proposed CTC by-law on SWH	CT City / DEA&DP	
• Commercialise the SWH industry with government support	Economic Development and Tourism	
• Establish a fund for financing domestic sector SWH installations and capital expenditure	DEA&DP – in partnership with Banks and the Insurance Industry	
• Implement the Solar 500 programme and ensure effective monitoring of results	DEA&DP / CEF	
• Communicate energy savings potential to domestic and commercial consumers	DEA&DP communications department	
• Establish energy efficient standards for the housing development industry	Department of Housing; Local Authorities; DEA&DP	
• Establish a clear communications, education and awareness campaign aimed at behaviour change in consumer patterns	PCCC; DEA&DP communications	
4.5 Waste Management and Climate Change		
Action	Responsibility	Existing initiatives/ platforms
Opportunity assessment and analysis of all waste streams and provincial MSW sites and practices – including recycling opportunities and an analysis of job creation potential	Local Government and housing and PCCC / DEA&DP	
Investigation of R&D opportunities and allocation of R&D budget	Department of Economic Development; DEA&DP; Treasury	
Assessment of policy, possible incentives, appropriate processes to achieve integrated waste management	Department of local government; DEA&DP	
Development of a clear waste management solution and action plan for implementation	DEA&DP; Department of local government	

Western Cape Second Edition Environmental Implementation Plan: Table of Targets and Indicators

Table 3: Strategic Objectives, Measurable Objectives, Performance Indicators and Targets

Sub-programme 2.1: Intergovernmental coordination, spatial and development planning Objective	Strategic Goal 1		Embedding sustainable development in the growth and development of the Western Cape.			
	Strategic Objective 1		To mainstream the sustainable development paradigm in environmental planning and management.			
	Key Measurable Objective		To support strategic decision-making and interventions to enhance planning and environmental management.			
Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
Number of capacity-building workshops conducted.	Not applicable.	The late approval of the iKapa Growth and Development Strategy resulted in delays with the finalisation of the WC PSDF since the Provincial Spatial Development Framework had to be aligned with the Strategy. This resulted in the Department not being able to embark on WC PSDF related training and capacity-building as planned.	Conduct 12 formal training workshops on the Western Cape Provincial Spatial Development Framework and explanatory manuals. Conduct awareness interventions as required.	Conduct 6 capacity-building workshops on the Western Cape Provincial Spatial Development Framework. Conduct 6 capacity-building workshops on the Settlement Restructuring; Rural Planning and Management Guideline; SDF Guideline; Inclusionary Housing (Voluntary) Manual.	Conduct Western Cape Provincial Spatial Development Framework capacity-building workshops.	Conduct Western Cape Provincial Spatial Development Framework capacity-building workshops.
Amounts transferred to Biosphere Reserve Committees versus budget allocated (%).	100% (R300 000).	100% (R500 000).	100% of allocated amounts (R500 000) transferred to Biosphere Reserve Committees. Monitored utilisation of funds transferred previously to ensure compliance with approved business plans.	Transfer 100% of allocated amounts. Monitor and report of utilisation of previously allocated funds.	Transfer 100% of allocated amounts. Continue monitoring of utilisation of previously allocated funds.	Transfer 100% of allocated amounts. Continue monitoring of utilisation of previously allocated funds.
				April-June No workshops to be presented July-September Conduct 4 workshops. October- December Conduct 4 workshops. January-March Conduct 4 workshops.		
				April-June Evaluate business plans and finalise Memorandum of Agreements (MoAs). Monitor and report on utilisation of previously allocated funds.		

Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
					<p>July-September Transfer funds in respect of approved business plans and Memorandum of Agreements. Monitor and report on utilisation of previously allocated funds.</p> <p>October-December Monitor and report on utilisation of previously allocated funds.</p> <p>January-March Monitor and report on utilisation of allocated funds.</p>		

Sub-programme 2.1: Intergovernmental coordination, spatial and development planning	Strategic Goal 3		Enhancing the quality of life of all our people through facilitating vibrant, integrated and sustainable human settlements.				
	Strategic Objective 4		To undertake spatial planning that promotes and guides sustainable development in the Province and redresses spatial inequality.				
Objective	Strategic Objective 5		To provide integrated and holistic environmental management to improve the quality of life of all people in the Western Cape.				
	Key Measurable Objectives		To provide strategic direction with regard to land-use management. To develop and implement spatial development measures to promote sustainable development.				
Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
To ensure a sound regulatory framework. (Legislative and policy instruments).	New legislative instruments milestones met versus planned.	Provincial Biosphere Reserve Act 90% completed.	Due to further amendments required to align the Draft Biosphere Reserve Bill with the draft Planning and Development Amendment Bill, the Bill could not be finalised.	Biosphere Reserve Bill submitted to standing committee for consideration.	Approve Biosphere Reserve Act Regulations. Approval and implementation of the Biosphere Reserve Act. Develop Regulations with regard to specific functional areas as required by the Planning and Development Amendment Act to facilitate implementation. April-June Initiate development of Biosphere Reserve Act Regulations Initiate development of PDA Regulations with regard to specific functional areas of the Act. July-September Approve Biosphere Reserve Act and finalise Regulations Continue development of PDA Regulations.	Implement legislative instruments and if necessary develop new legislative instruments.	Implement legislative instruments and if necessary develop new legislative instruments.
					<p>October-December Implement approved Biosphere Reserve Act and Regulations. Finalise PDA Regulations. January-March Implementation PDA Regulations</p>		

Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
To ensure a sound regulatory framework (Legislative and policy instruments).	New legislative instruments milestones met versus planned.	Land Management Law 55% completed.	First draft of Integrated Provincial Bill has been completed. Awaiting national intervention to assist with amendments to national legislation. Also initiated the process for amending the Planning and Development Act. First draft of this document has been completed.	Submit Western Cape Planning and Development Amendment Act to Standing Committee for consideration. First draft of the Western Cape Land Management Law completed.	Finalise, promulgate and implement Western Cape Planning and Development Amendment Act (WCPDA) Finalise and implement regulations specifically for the administrative rollout as required by the WCPDA. April-June Initiate drafting of regulations specifically for the administrative roll-out as required by the WCPDA July-September Continue drafting of regulations specifically for the administrative roll-out as required by the WCPDA. October-December Approval of the WCPDA. Approval of regulations specifically for the administrative roll-out as required by the WCPDA. Develop an implementation plan for the WCPDA January-March Promulgate and implementation of WCPDA and regulations. Roll out the implementation plan for the WCPDA.	Implementation of the WCPDA.	Continue implementation of the WCPDA.
To ensure a sound regulatory framework (Legislative and policy instruments).	New policy instruments milestones met versus planned (%).	Western Cape Provincial Spatial Development Framework 90% completed. Commenced with the drafting of Explanatory Manuals on Settlement Restructuring and Inclusionary Housing (25% completed).	Due to the alignment of the Western Cape Provincial Spatial Development Framework with the iKapa Growth and Development Strategy the finalisation of the Western Cape Provincial Spatial Development Framework was delayed. Commenced with two manuals on Settlement Restructuring and Inclusionary Housing.	Implement the Western Cape Provincial Spatial Development Framework. Finalise Explanatory Manuals on Settlement Restructuring, Inclusionary Housing, Development Beyond Urban Edge and Climate Change and Renewable Energy.	Finalise Policy instruments initiated in the previous year and convert into Regulations in terms of the PDA. Develop 2 PSDF-based and/or other spatial planning policy aspects. April-June Finalise previous year's policy instruments. Identify and initiate the development of PSDF-based and/or spatial planning policy aspects. July-September Continue development of policy instruments.	Finalise the development of policy instruments developed in previous year. Identify and develop spatial planning policy instruments.	Finalise the development of policy instruments developed in previous year. Identify and develop spatial planning policy instrument.

Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget October-December Continue development of policy instruments. January-March Finalise and implement the policy instruments. Annual review of contents of the manuals in the light of comments received.	2010/11 (Target)	2011/12 (Target)
Sub-programme 2.1: Intergovernmental coordination, spatial and development planning Objective	Strategic Goal 3	Enhancing the quality of life of all our people through facilitating vibrant, integrated and sustainable human settlements.					
	Strategic Objective 4	To undertake spatial planning that promotes and guides sustainable development in the Province and redresses spatial inequality.					
	Key Measurable Objective	To develop and implement spatial development measures to promote sustainable development.					
	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
	Number of IDP's reviewed for environmental content and WCPSPDF. (n) Municipal Spatial Development Frameworks developed in terms of the Built Environment Support Programme (BESP). (n) Evaluation of development applications in terms of the PSDF and related spatial policies.	Not measured.	Four reports produced.	Review all Integrated Development Plans for environmental content and compliance with the Western Cape Provincial Spatial Development Framework. Initiate the compilation of six credible municipal Spatial Development Frameworks compiled.	Review IDP's and SDF's received for environmental content and compliance with the Western Cape Provincial Spatial Development Framework as part of the IDP assessment process. Evaluation of development applications in terms of the PSDF and related spatial policies. Manage the drafting and compilation of 6 credible SDF's in terms of the BESP. April-June Number of IDP's in respect of SDF's reviewed versus requests received (80%). Number of development applications evaluated versus requests received (80%). Manage the development of 6 credible SDF's in terms of the BESP programme. July-September Number of IDP's in respect of SDF's reviewed versus requests received (80%). Number of development applications evaluated versus requests received (80%). Manage the development of 6 credible SDF's in terms of the BESP programme. Monitor and implement CAPE programme as per agreed quarterly work-programme.	Review SDF's received for environmental content and compliance with the Western Cape Provincial Spatial Development Framework. Continue to support the drafting and compilation of credible SDF's in terms of the BESP.	Review SDF's received for environmental content and compliance with the Western Cape Provincial Spatial Development Framework. Continue to support the drafting and compilation of credible SDF's in terms of the BESP.

Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
					<p>2009/10 Budget</p> <p>October–December Number of IDP's in respect of SDF's reviewed versus requests received (80%). Number of development applications evaluated versus requests received (80%). Manage the development of 6 credible SDF's in terms of the BESP programme.</p> <p>January–March Number of IDP in respect of SDF's reviewed versus requests received (80%). Number of development applications evaluated versus requests received (80%). Finalise the development of 6 SDF's in terms of the BESP programme.</p> <p>October–December Number of IDP's in respect of SDF's reviewed versus requests received (80%). Number of development applications evaluated versus requests received (80%). Manage the development of 6 credible SDF's in terms of the BESP programme.</p> <p>January–March Number of IDP in respect of SDF's reviewed versus requests received (80%). Number of development applications evaluated versus requests received (80%). Finalise the development of 6 SDF's in terms of the BESP programme.</p>		

Table 4: Strategic Objectives, Measurable Objectives, Performance Measure Indicators and Targets

Sub-programme 2.2: Research and development support	Strategic Goal 1	Embedding sustainable development in the growth and development of the Western Cape.					
	Strategic Objective 1	To mainstream the sustainable development paradigm in environmental planning and management.					
	Key Measurable Objective	To support strategic decision-making and interventions to enhance planning and environmental management. To implement monitoring measures, policies and programmes for environmental protection.					
Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
To coordinate the implementation of the Sustainable Development Implementation Plan (SDIP).	SDIP targets implemented.	Sustainable Development Implementation Plan finalised.	The Department engaged with all 30 municipalities on embedding sustainability issues into municipal programmes. The Department engaged with relevant key provincial departments on embedding sustainability issues into their programmes.	Coordinate the development of sustainable development indicators in six thematic areas. Finalise baseline report on implementation of the SDIP targets.	Report on the implementation of the SDIP targets.	Annual Sustainable Development Report completed.	Annual Sustainable Development Report completed.

Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
Implementation of the Sustainable Energy Strategy.	Western Cape Sustainable Energy Facilitation Act approved.	<p>The Western Cape Sustainable (Integrated) Energy Strategy was finalised.</p> <p>The Western Cape Renewable Energy Strategy formed part of the Western Cape Sustainable (Integrated) Energy Strategy.</p>	<p>A Green Paper on a Sustainable Energy Strategy and Programme of Action was finalised.</p> <p>Asolar water geyser roll-out programme was approved and implementation was initiated.</p> <p>Abusiness plan for the roll-out of solar water geysers in the Western Cape was developed and approved.</p>	<p>Develop two business plans for the implementation of energy projects.</p> <p>Monitor solar water heater pilot project.</p> <p>White Paper on Sustainable Energy policy finalised.</p>	<p>April-June Develop Terms of Reference for drafting of Sustainable Development Report and appoint a service provider.</p> <p>July-September Engage with departments regarding the completion of templates and achieving targets.</p> <p>October-December Complete draft report.</p> <p>January-March Finalised report on implementation of the SDIP targets and submit to Cabinet.</p> <p>Approval and implementation of the White Paper on Sustainable Energy for the Western Cape.</p> <p>April-June Submit the White paper to Cabinet for approval.</p> <p>July-September Initiate measures to implement the White paper.</p> <p>October-December Continue to develop measures to implement the White paper.</p> <p>January-March Implement the measures of the White paper</p>	Implementation of the White Paper.	Implementation of the White Paper.

Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
To promote environmental awareness.	Number of environmental awareness raising interventions and events.	Showcased at the third Global Environmental Fund (GEF) Assembly. Hosted the World Environment Day in conjunction with Bergvliet Municipality.	Hosted the Renewable Energy and Climate Change Summit. A comprehensive programme for Climate Change Education and Awareness Raising at schools was approved and a work plan was adopted. A programme to train 240 people in manufacturing and installation of solar water geysers was initiated. Arbor Day celebrations were held at two schools in Matieland and Delft.	Conduct Climate Change Education in 109 schools. Host two calendar events. Initiate climate change awareness campaign.	Celebrate four environmental events. April–June Celebrate World Environment Day. July–September Celebrate Arbor Day. October–December Celebrate Habitat Day. January–March Celebrate World Wetlands Day.	Environmental education and awareness-raising interventions.	Environmental education and awareness-raising interventions.
Review the Environmental Implementation Plan 1. –	Review the Environmental Implementation Plan.	Compilation of the Second Environmental Implementation Plan (EIP) postponed by Department of Environmental Affairs and Tourism.	A Second Edition Environmental Implementation Plan was compiled and submitted to the Department of Environmental Affairs and Tourism.	Submit. 1st review of 2nd EIP to DEAT	Submit 2nd Annual review of Environmental Implementation Plan to DDEAT. April–June Submit 08/09 reviewed Environmental Implementation Plan. July–September Gather information from provincial stakeholders on amendments for 09/10 Environmental Implementation Plan. October–December Consolidate inputs for the final 09/10 Environmental Implementation Plan. January–March Finalise reviewed Environmental Implementation Plan.	Complete 3rd Environmental Implementation Plan review report.	Submit 3rd Environmental Implementation Plan.

Table 5: Strategic Objectives, Measurable Objectives, Performance Measure Indicators, and Targets

Strategic Goal 2		Strategic Objective 2				
Providing cutting-edge leadership and innovative approaches to sustainable environmental management and integrated development planning.		To develop systems, processes, and measures to support service delivery.				
Key Measurable Objective		Actual 2006/07	Base Year 2007/08 (Outcome Estimate)	2008/09 Budget	2009/10 (Target)	2010/11 (Target)
Performance Measure Indicator	Actual 2005/06	Actual 2006/07	Base Year 2007/08 (Outcome Estimate)	2008/09 Budget	2009/10 (Target)	2010/11 (Target)
To promote the use of spatial information technology to support environmental planning and management.	Geographic Information System data server was operationalised as a single spatial information source with specific access rights to identified departmental staff members.	Web-enabled system 60% completed.	Implement the Web-enabled Information System. Capacitate internal and external users. Enhancement of system.	Enhance and maintain Web-enabled Information System.	Enhance and maintain Web-enabled Information System.	Enhance and maintain Web-enabled Information System.
				<p>April-June Continuous enhancement spatial and remote sensing sources and system functionality on the basis of ongoing needs analysis.</p> <p>July-September Continuous enhancement of spatial and remote sensing sources and system functionality on the basis of ongoing needs analysis.</p> <p>October-December Continuous enhancement of spatial and remote sensing sources and system functionality on the basis of ongoing needs analysis.</p> <p>January-March Continuous enhancement of spatial and remote sensing sources and system functionality on the basis of ongoing needs analysis.</p>	Enhance and maintain Web-enabled Information System.	Enhance and maintain Web-enabled Information System.
				<p>April-June Participate in the Geo-information Society of SA Geographic Information System Week campaign.</p> <p>July-September Undertake Geographic Information System awareness events at selected schools as identified by the Department of Education.</p> <p>October-December Undertake the Departmental Geographic Information System Day campaign.</p>	Geographic Information System awareness initiatives undertaken versus planned.	Geographic Information System awareness initiatives undertaken versus planned.

Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
Table 7: Strategic Objectives, Measurable Objectives, Performance Indicators and Targets							
Programme 3: Compliance and enforcement							
Strategic Goal 3							
Strategic Objective 3							
Key Measurable Objective							
Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
To ensure effective environmental compliance and enforcement of the relevant environmental legislation.	Percentage of complaints investigated versus received .	41 notifications were issued.	100% of cases reported were investigated (298).	Respond to and investigate all complaints.	Investigate all complaints received and act on 70% of those that warrant further action.	Investigate all complaints received and act on 70% of those that warrant further action.	Investigate all complaints received and act on 70% of those that warrant further action.
					April-June Investigate all complaints received and act on 70% of those that warrant further action		
					July-September Investigate all complaints received and act on 70% of those that warrant further action		
					October-December Investigate all complaints received and act on 70% of those that warrant further action January-March Investigate all complaints received and act on 70% of those that warrant further action		
					28 compliance inspections conducted per enforcement officer per year.	28 Compliance inspections conducted per enforcement officer per year.	28 Compliance inspections conducted per enforcement officer per year.
					April-June Seven planned inspections per enforcement officer.		
					July-September Seven planned inspections per enforcement officer.		
					October-December Seven planned inspections per enforcement officer.		
	Number of compliance inspections conducted per enforcement officer per year.	262 illegal activities reported were investigated. 41 notifications were issued. Seven directives were issued. Six matters were referred to the Public Prosecutor for a decision on whether to prosecute.	100% of routine inspections were undertaken as planned.	20 compliance inspections conducted per enforcement officer per year.			

Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
Conduct co-operative government compliance and enforcement operations.	Number of joint enforcement operations.	15 matters were jointly investigated with the Department of Water Affairs and Forestry, Department of Environmental Affairs and Tourism and the Department of Minerals and Energy. Six matters were jointly investigated with CapeNature.	100% of joint sector based enforcement actions as planned were undertaken with Department of Environmental Affairs and Tourism and Department of Water Affairs and Forestry.	Four sector-based enforcement operations.	<p>January-March Seven planned inspections per enforcement officer.</p> <p>Sixteen joint compliance and enforcement investigations.</p>	Sixteen joint compliance and enforcement investigations.	Sixteen joint compliance and enforcement investigations.
To build environmental compliance and enforcement capacity.	Number of skills interventions (n).	N/A	N/A	N/A Justin input	<p>April-June Four joint compliance and enforcement investigations</p> <p>July-September Four joint compliance and enforcement investigations</p> <p>October-December Four joint compliance and enforcement investigations.</p> <p>January-March Four joint compliance and enforcement investigations.</p> <p>Conduct 4 internal/external capacity building workshops.</p>	Conduct 4 internal/external capacity building workshops.	Conduct 4 internal/external capacity building workshops.
					<p>April-June Conduct 1 capacity building workshop on environmental compliance and enforcement.</p> <p>July-September Conduct 1 capacity building workshop on environmental compliance and enforcement.</p> <p>October-December Conduct 1 capacity building workshop on environmental compliance and enforcement.</p> <p>January-March Conduct 1 capacity building workshop on environmental compliance and enforcement.</p>		

Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
To improve co-operation between environmental compliance and enforcement regulatory bodies.	Western Cape Environmental Crime networking and skill sharing forum established and operational.	N/A	N/A	Western Cape Environmental Crime forum established	<p>Conduct quarterly meetings.</p> <p>April-June Conduct 1 quarterly meeting to improve co-operation between environmental compliance and enforcement regulatory bodies.</p> <p>July-September Conduct 1 quarterly meeting to improve co-operation between environmental compliance and enforcement regulatory bodies..</p> <p>October-December Conduct 1 quarterly meeting to improve co-operation between environmental compliance and enforcement regulatory bodies.</p> <p>January-March Conduct 1 quarterly meeting to improve co-operation between environmental compliance and enforcement regulatory bodies and submit report to the HOD.</p>	Conduct quarterly meetings.	Conduct quarterly meetings.

Table 9: Strategic Objectives, Measurable Objectives, Performance Measure Indicators and Targets

Strategic Goal 1		Embedding sustainable development in the growth and development of the Western Cape.				
Strategic Objective 1		To mainstream the sustainable development paradigm in environmental planning and management.				
Key Measurable Objective		To render sound land-use management support services.				
Objective	Performance Measure Indicator	Actual 2006/07	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
To improve land use management practices of stakeholders.	Number of capacity-building workshops conducted versus planned.	<p>14 capacity-building workshops with municipal and departmental officials conducted:</p> <ul style="list-style-type: none"> One Urban Edge, Resort and Golf Course and Polo Fields workshop (with municipalities and other stakeholders). Supplementation of National Environmental Management Act Environmental Impact Assessment Regulations with Durban Metropolitan Council. Two National Environmental Management Act Environmental Impact Assessment Regulations workshops with City of Cape Town. 	Conduct 6 capacity-building workshops on: Planning and Development Amendment Act.	Plan and conduct 6 capacity-building workshops on the Amended National Environmental Management Act Regulations.	Plan and conduct capacity-building workshops. – Include number	Plan and conduct capacity-building workshops. – Include number

April–June
Finalise the implementation plan.

July–September
Six workshops.

October–December
Address adhoc request for further capacity building by external stakeholders.

January–March
Address adhoc request for further capacity building by external stakeholders.

Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
		<ul style="list-style-type: none"> National Environmental Management Act Environmental Impact Assessment Regulations with Provincial Departments. Two Best Management Practice Guideline for Aquaculture workshops with municipalities and other stakeholders. Two Social Impact Assessment Guideline workshops with municipalities and other stakeholders. Two Off-Road Vehicle Guideline workshops with municipalities and other stakeholders. Three Environmental Decision-Making workshops with municipalities. 					

Sub-programme 41: Impact management	Strategic Goal 2	Providing cutting-edge leadership and innovative approaches to environmental management and integrated development planning. To develop systems, processes and measures to support service delivery. To ensure sound processes for monitoring the effectiveness of land-use management.					
Objective	Key Measurable Objective	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
To render sound advisory services for land-use management.	Land-use applications accepted on first submission versus total applications received (%).	Of the 1708 planning applications received 1 621 (95%) were accepted on first submission. This reflects a reduction of 15% on the number of applications referred back as compared to the previous year (102 of 1 749).	Of the 2 329 planning and environmental applications received 2 275 (98%) were accepted and 54 (2%) were referred back to municipalities and other applicants.	Monitor the quality of applications and accept 90% of all applications on first submission.	Monitor the quality of applications for acceptance on first submission.	70% of all applications accepted on first submission.	70% of all applications accepted on first submission.
					April-June Monitor the quality of applications and accept 70% of all applications on first submission during the quarter.		

Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
	Requests for planning information responded to versus received (%).	Not measured.	<p>Attended 4 National Environmental Management Act Environmental Impact Assessment regulations implementation task team workshops to discuss issues related to the proposed amendments to the National Environmental Management Act Environmental Impact Assessment regulations. Provided inputs to Department of Environmental Affairs and Tourism (MCM) on the Integrated Coastal Management Bill. Attended 2 Mintec working group meetings. Provided comment to Department of Environmental Affairs and Tourism on the proposed amendments to the National Environmental Management Act Amendment Bill and the National Environmental Management Act Environmental Impact Assessment regulations. Participated in the Department of Environmental Affairs and Tourism National Environmental Authorisation System task team meetings.</p>	Respond to 70% of requests by Regulatory Authorities and other external stakeholders for land use regulation and planning information.	<p>July-September Monitor the quality of applications and accept 70% of all applications on first submission during the quarter.</p> <p>October-December Monitor the quality of applications and accept 70% of all applications on first submission during the quarter.</p> <p>January-March Monitor the quality of applications and accept 70% of all applications on first submission during the quarter.</p>	Respond to 80% of requests by Regulatory Authorities and other external stakeholders.	Respond to 85% of requests by Regulatory Authorities and other external stakeholders.

Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
ensure a sound regulatory framework (Legislative and policy instruments).	New or review of existing policy instruments milestones met versus planned (%).	Withdraw previous circulars and replacement regarding: <ul style="list-style-type: none"> Removal of Restrictions, and Procedure for Land Use Planning Ordinance appeals for consent uses. 	Initiated the development of an Environmental Management Framework for the Khayelitsha/Mitchell's Plain area within the City of Cape Town and for the Drakenstein Municipality. Initiated the project for the development of norms and standards for roads, housing, municipal services, cell phone masts and social upliftment projects.	Supplementation Projects not aligned with amended National Environmental Management Act Regulations due to regulations not being promulgated. Continued the development of Environmental Management Frameworks (EMF's) for the City of Cape Town and Drakenstein Municipality. Finalised norms and standards project (phase 1 as per agreement with DEAT).	<p>2009/10 Budget</p> <p>April-June Provide input on 75% requests received during the quarter.</p> <p>July-September Provide input on 75% requests received during the quarter.</p> <p>October-December Provide input on 75% requests received during the quarter.</p> <p>January-March Provide input on 75% requests received during the quarter.</p>	<p>Finalise one EMF project initiated in 2009/10.</p> <p>Initiate one new EMF project.</p>	Finalise one EMF project initiated in 2010/11.
	Requests for environmental information responded to versus received (%).	Not measured.	Participated in the Department of Environmental Affairs and Tourism National Environmental Authorisation System task team meetings. Not measured.	Respond to 70% of requests by Regulatory Authorities and other external stakeholders for environmental information.	<p>Respond to 70% of requests by Regulatory Authorities and other external stakeholders for environmental advice in terms of legal requirements.</p> <p>April-June Provide input on 70% requests received during the quarter.</p> <p>July-September Provide input on 70% requests received during the quarter.</p> <p>October-December Provide input on 70% requests received during the quarter.</p> <p>January-March Provide input on 70% requests received during the quarter.</p>	Respond to 70% of requests by Regulatory Authorities and other external stakeholders.	Respond to 70% of requests by Regulatory Authorities and other external stakeholders.

Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
					<p>2009/10 Budget</p> <p>April-June Initiate one new EMF for Saldanha Bay. Gazetting and approval of the Western Cape Biodiversity Offsets guideline. Initiate the compilation of a guideline on development parameters.</p> <p>July-September Finalise and obtain concurrence from DEAT for Drakenstein and City of Cape Town EMF's. Continue the compilation of one new EMF for Saldanha Bay Continue the compilation of guideline on development parameters.</p> <p>October-December Continue the compilation of one new EMF for Saldanha Bay. Finalise the compilation of guideline on development parameters.</p> <p>January-March Continue the compilation of o new EMF for Saldanha Bay.</p>		
	Existing policy instruments reviewed/amended versus planned.	N/A	Initiated the review of the Resort Guideline document. This process was then changed, due to necessity, to become the establishment of a Guideline on Development beyond the Urban Edge. A first draft of this guideline document was produced.		<p>Align existing policy instruments to current development paradigms and legislations. Review all relevant departmental guidelines, application forms and templates in order to accommodate the amendments to the NEMA EIA regulations.</p>	Continue to identify shortcomings in existing policy instruments to be amended/reviewed.	Continue to identify shortcomings in existing policy instruments to be amended/reviewed
					<p>April-June Initiate the review on NEMA EIA regulations guideline series (public participation transitional arrangements, appeals, alternatives and exemptions). Review all relevant departmental guidelines, application forms and templates.</p> <p>July-September Finalise the NEMA EIA regulations guideline series (public participation transitional arrangements, appeals, alternatives and exemptions). Review all relevant departmental guidelines, application forms and templates.</p>		

Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
To ensure sound regulatory control (Planning and Environment)	Percentage of environmental and planning applications finalised versus received. Percentage of environmental applications processed within legislated timeframes Average duration of Environmental Impact Assessment (EIA) processes for applications finalised.	94% of 2 864 planning and environmental applications received this financial year were processed. Of all pending environmental and planning applications, 2 565 were finalised.	95% of all 2 329 applications (planning and environment) received were processed. Of the 2 329 (760 environmental and 1 569 planning) applications received 2 165 (93%) (719 environment and 1 446 planning) were finalised.	Received 2 800 environmental and planning Environmental Impact Assessment applications, processed 2 500 applications and issue 2 000 authorisations. Ayub to provide input – 5-01-09 as per progress analysis Average duration of authorised environmental applications is twelve months.	<p>2009/10 Budget</p> <p>October-December Initiate the alignment of the planning circulars with the Western Cape Planning and Development Amendment Act. Review all relevant departmental guidelines, application forms and templates.</p> <p>January-March Finalise the alignment of the planning circulars with the Western Cape Planning and Development Amendment Act. Review all relevant departmental guidelines, application forms and templates.</p>	Percentage of pending and new environmental and planning applications finalised. 85% of environmental applications processed within legislated timeframes. Monitor the average duration of environmental applications.	Percentage of pending and new environmental and planning applications finalised. 85% of environmental applications processed within legislated timeframes. Monitor the average duration of environmental applications.
					<p>April-June 70% of environmental and planning applications that the department is in a position to finalise. 85% of environmental applications processed within legislated timeframes. Monitor the average duration of environmental applications.</p> <p>July-September 70% of environmental and planning applications that the department is in a position to finalise. 85% of environmental applications processed within legislated timeframes. Monitor the average duration of environmental applications.</p>		

Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)	
					<p>2009/10 Budget</p> <p>October-December 70% of environmental and planning applications that the department is in a position to finalise. 85% of environmental applications processed within legislated timeframes. Monitor the average duration of environmental applications.</p> <p>January-March 70% of environmental and planning applications that the department is in a position to finalise. 85% of environmental applications processed within legislated timeframes. Monitor the average duration of environmental applications.</p> <p>75% of pending and new environmental appeals finalised.</p> <p>April-June 75% of environmental appeals that the department is in a position to finalise....</p> <p>July-September 75% of environmental appeals that the department is in a position to finalise.</p> <p>October-December 75% of environmental appeals that the department is in a position to finalise.</p> <p>January-March 75% of environmental appeals that the department is in a position to finalise.</p> <p>Monitor 160 environmental authorisations.</p> <p>April-June Monitor 40 environmental authorisations.</p> <p>July-September Monitor 40 environmental authorisations.</p> <p>October-December Monitor 40 environmental authorisations.</p> <p>January-March Monitor 40 environmental authorisations.</p>	75% of pending and new environmental appeals finalised	75% of pending and new environmental appeals finalised	75% of pending and new environmental appeals finalised
	Percentage of pending and new environmental appeals processed versus received.	N/A	26 environmental appeals were received of which 22 (84.6%) were finalised.	Number of pending and new environmental appeals processed versus received.				
	Compliance monitoring of environmental authorisations.	185 environmental decisions monitored.	183 authorisations were monitored for compliance.	Monitored 160 environmental authorisations.		Monitor 160 environmental authorisations.	Monitor 160 environmental authorisations.	

Table 10: Strategic Objectives, Measurable Objectives, Performance Indicators and Targets

Strategic Goal 2		Strategic Objective 5				
Key Measurable Objective		Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
Sub-programme 4.2: Air quality management	Strategic Objective 5	Providing cutting-edge leadership and innovative approaches to environmental management and integrated development planning. To provide integrated and holistic environmental management to improve the quality of life of all people in the Western Cape. To support strategic decision-making and interventions to enhance planning and environmental management.				
Objective	Performance Measure Indicator	Actual 2006/07	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
To promote sound air quality management.	Incremental implementation of Air Quality Management System.	<p>Business Plan for Air Quality Management was implemented. A total of 122 inventories were captured for the year as part of the air quality management systems development and implementation. Capacity-building for local authorities is ongoing through the implementation of projects, in particularly the Passive Sampling of Air Quality Monitoring and the Emissions Inventory projects.</p> <p>Quarterly progress reports on ambient air quality monitoring and the emission inventory were completed. Conducted passive Volatile Organic Compound (VOC) monitoring and commissioned two continuous air quality monitoring stations as part of the ambient air quality monitoring programme. Three quarterly Air Quality Officers Forum meetings were held to coordinate air quality in the Province. Published an Air Quality Management Plan Guideline. Supported Eden District Municipality with the development of an Air Quality Management Plan.</p>	<p>Air Quality Management System incrementally rolled out as part of the implementation of the National Environmental Management Air Quality Act. Four quarterly reports on ambient air quality monitoring compiled. Emissions inventory of 5 district municipalities completed. Status quo and gap analysis report for air quality management plan completed.</p>	<p>Finalise and implement the Air Quality Management Plan and implement the National Environmental Management Air Quality Act. Quarterly reports and air quality officer's forum meetings on emissions inventory, ambient air quality monitoring and implementation of air quality management in the Province. Provide input and assistance into APPA and NEM: AQA applications within the Province. Capacity building workshop on the implementation of the Air Quality Act with Municipalities.</p>	<p>Implement the Air Quality Management Plan and implement the National Environmental Management Air Quality Act.</p>	<p>Implement the Air Quality Management Plan and implement the National Environmental Management Air Quality Act.</p>
				<p>April-June Monitor, analyse and report on ambient air quality to inform air quality management within Municipalities to ensure compliance with air quality standards. Compile quarterly report on emissions inventory and ambient air quality monitoring. Conduct air quality officer's forum to discuss and implement air quality management in the Province. Provide input and assistance into 80% APPA and NEM: AQA applications within the Province.</p>		

Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
					<p>2009/10 Budget</p> <p>July-September Monitor, analyse and report on ambient air quality to inform air quality management within Municipalities to ensure compliance with air quality standards. Compile quarterly report on emissions inventory and ambient air quality monitoring. Conduct air quality officer's forum to discuss and implement air quality management in the Province. Conduct 4 public participation workshops to guide the development of the Air Quality Management Plan for the Province. Conduct one capacity building workshop on the implementation of the Air Quality Act with Municipalities. Provide input and assistance into 80% APPA and NEM: AQA applications within the Province</p> <p>October-December Monitor, analyse and report on ambient air quality to inform air quality management within Municipalities to ensure compliance with air quality standards. Compile quarterly report on emissions inventory and ambient air quality monitoring. Conduct air quality officer's forum to discuss and implement air quality management in the</p>		

Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
					<p>Province. Continue development of the Air Quality Management Plan. Provide input and assistance into 80% APPA and NEM: AQA applications within the Province..</p> <p>January-March Monitor, analyse and report on ambient air quality to inform air quality management within Municipalities to ensure compliance with air quality standards. Compile quarterly report on emissions inventory and ambient air quality monitoring. Conduct air quality officer's forum to discuss and implement air quality management in the Province. Provide input and assistance into 80% APPA and NEM: AQA applications within the Province. Finalise development and launch the Air Quality Management Plan</p>		

Table 11: Strategic Objectives, Measurable Objectives, Performance Indicators and Targets

Strategic Goal 1		Embedding sustainable development in the growth and development of the Western Cape.					
Strategic Objective 1		To mainstream the sustainable development paradigm in environmental planning and management.					
Key Measurable Objective		To support strategic decision-making and intervention to enhance planning and environmental management.					
Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
To facilitate the implementation of the Western Cape Climate Change Strategy and Action Plan.	Annual progress reports on implementation of Western Cape Climate Change Response Strategy and Action Plan.	Participated in National Climate Change Committee. Climate Change Work stream Committee established in place of the Provincial Climate Change Committee. Climate Change Response Strategy and Action Plan developed. Launch of the Climate Change Response Strategy and Action Plan dependent on Provincial Cabinet approval. Annual progress report delayed but completed.	Participated in National Climate Change Committee. Climate Change Work stream Committee established in place of the Provincial Climate Change Committee. Renewable Energy and Climate Change Summit held. Launch of the Climate Change Response Strategy and Action Plan dependent on Provincial Cabinet approval. Annual progress report completed. Hosted the Renewable Energy and Climate Change Summit. A comprehensive programme for Climate Change Education and Awareness Raising at schools was approved and a work plan was adopted.	Participated in National Climate Change Committee. Facilitate the functioning of the Provincial Climate Change Strategy and Action Plan submitted to Provincial Cabinet for approval. Quarterly and annual Work stream progress reports on the implementation of the Climate Change Response Strategy and Action Plan completed.	Facilitate the functioning of the Provincial Climate Change Work stream and report on the implementation of the Climate Change Response Strategy and Action Plan. Develop a monitoring and evaluation system for the Climate Change Response implementation. April-June Report on the quarterly Climate Change Work stream Committees meetings and implementation of the Climate Change Response Strategy and Action Plan. . . Initiate project to develop a monitoring and evaluation system for Climate Change Response implementation.	Participate in National Climate Change Committee. Facilitate the functioning of the Provincial Climate Change Work stream. Quarterly and annual Work stream progress reports on the implementation of the Climate Change Response Strategy and Action Plan.	Participate in National Climate Change Committee. Facilitate the functioning of the Provincial Climate Change Work stream. Quarterly and annual Work stream progress reports on the implementation of the Climate Change Response Strategy and Action Plan.

6.5.4 Sub-programme 4.4: Pollution and waste management

Table 12: Strategic Objectives, Measurable Objectives, Performance Measure Indicators and Targets

Strategic Goal 2		Providing cutting-edge leadership and innovative approaches to environmental management and integrated development planning.			
Strategic Objective 5		To provide integrated and holistic environmental management to improve the quality of life of all people in the Western Cape.			
Key Measurable Objective		To support strategic decision-making and interventions to enhance planning and environmental management.			
Objective	Performance Measure Indicator	Actual 2006/07	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)
To promote sound pollution management.	Incremental roll out of chemical management programme.	Three capacity-building workshops were held with industry stakeholders on the implementation of the procedure to give effect to Section 30 of National Environmental Management Act. Eleven incidents of Section 30 of National Environmental Management Act were reported and followed up	Facilitate responsible chemicals management in new sectors and report on implementation in (Consumer-formulated Goods, Metal Finishing and Drum Reconditioning) sectors. Conducted two capacity-building workshops regarding Section 30 of National Environmental Management Act (NEMA) with local authorities and industry. Conducted two capacity-building workshops to facilitate the drafting and implementation of chemicals management action plans within sector facilities.	Facilitate responsible chemicals management in new sectors and report on implementation in (Consumer-formulated Goods, Metal Finishing and Drum Reconditioning) sectors.	Facilitate responsible chemicals management in new sectors and report on implementation in (Consumer-formulated Goods, Metal Finishing and Drum Reconditioning) sectors.
				April-June Expand the development of Chemicals Management Action Plans to five (5) more businesses in the targeted sectors (Consumer-formulated Goods, Metal Finishing and Drum Reconditioning). Develop a checklist for the three targeted sectors to assess the development of their CMAP's. Assess the submitted CMAPs. Initiate development of awareness raising material for CMAP to 3 targeted sectors. Conduct one capacity-building workshop regarding control of emergency incidents (Section 30 of National Environmental Management Act).	

Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
		The assessment of chemicals management practises in the Metal Finishing and Drum Reconditioning sectors was completed. Awareness raising materials (i.e. brochures) on chemicals management matters were developed.	Conducted two capacity-building workshops regarding Section 30 of National Environmental Management Act (NEMA) with local authorities and industry to review the implementation of Section 30 National Environmental Management Act emergency incidents.		<p>July-September Expand the development Chemicals Management Action Plans to five (5) more businesses in targeted sectors (Consumer-formulated Goods, Metal Finishing and Drum Reconditioning). Conduct a capacity building workshop on CMAP for the targeted sectors Assess the submitted CMAPs. Finalise development of awareness raising material for CMAP. Finalise a Memorandum of Understanding on Section 30 of NEMA between the Department and municipalities.</p> <p>October-December Expand the development of Chemicals Management Action Plans to five (5) more businesses in targeted sectors (Consumer-formulated Goods, Metal Finishing and Drum Reconditioning). Assess the submitted CMAPs. Distribute awareness raising material for CMAP to 3 targeted sectors. Conduct one capacity-building workshops regarding control of emergency incidents (Section 30 of National Environmental Management Act).</p> <p>January-March Expand the development of Chemicals Management Action Plans to 5 more businesses targeted sectors (Consumer-formulated Goods, Metal Finishing and Drum Reconditioning). Assess the submitted CMAPs. Continue to distribute awareness-raising material for CMAP to 3-targeted sectors.</p>		
				Amended Provincial Noise Control Regulations finalised.	<p>April-June Amended Provincial Noise Control Regulations approval by Cabinet and submit to Standing Committee for consideration.</p>	Facilitate and monitor the implementation of Amended Provincial Noise Control Regulations.	Facilitate and monitor the implementation of Amended Provincial Noise Control Regulations.
	Monitor and support municipalities to implement the Amended Provincial Noise Control Regulations.	Published draft amendments to the Noise Control Regulations on 21 January 2007 and conducted public participation. The Noise Control Amendment Regulations could not be promulgated since further specialist input was required before it was finalised for public comment.	Following receipt of public comments, two specialist studies on road noise and airport contours plus a noise perception survey were conducted and therefore the Regulations were not promulgated.				

Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
To promote resources efficiency and pollution prevention.	Measures and interventions for environmental resource efficiency developed and implemented.	N/A	Green grading of hospitality accommodation developed and ready for roll-out, as a flagship project of Green Goal 2010. Drafted Green Goal Action Plan. Training of tourism assessors completed as a minimum requirement.	Monitor water efficiency of 3 retrofitted schools.	<p>2009/10 Budget</p> <p>July-September Amended Provincial Noise Control Regulations approved Conduct a capacity building workshop on the approved Amended Provincial Noise Control Regulation. Host noise forum meeting with local authorities towards the development of a reporting system on the effectiveness of the regulations.</p> <p>October-December Conduct a capacity building workshop on the approved Amended Provincial Noise Control Regulation. Host noise forum meeting with local authorities towards the development of a reporting system on the effectiveness of the regulations.</p> <p>January-March Develop a reporting system on the Amended Noise Control Regulations.</p>	Continue to develop and facilitate implementation of policy measures and interventions for environmental resource efficiency and pollution prevention.	Continue to develop and facilitate implementation of policy measures and interventions for environmental resource efficiency and pollution prevention.
					<p>April-June Conduct 8 training workshops with hospitality sector in preparation for national green grading. Establish an intergovernmental Task Team to reduce marine pollution from land-based sources. Monitor water efficiency of 6 retrofitted schools. Develop 2 Precious2Pollute strategy.</p> <p>July-September Develop an action plan to reduce marine pollution from land-based sources. Monitor water efficiency of 6 retrofitted schools.</p>		

Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
To promote sound integrated waste management.	Incremental implementation of waste management facility permitting system.	The waste permitting function was not transferred to the provinces. The auditing of 250 pre-selected waste disposal facilities was completed. Characterisation surveys at 89 waste disposal facilities were completed.	Waste disposal permitting function not yet devolved from national Department of Environmental Affairs and Tourism to provinces. Finalised waste management facility compliance audit reports.	Waste disposal permitting function not yet devolved from national Department of Environmental Affairs and Tourism to provinces.	<p>October-December Finalise and approve the action plan to reduce marine pollution from land-based sources. Launch 2Precious2Pollute strategy. Monitor water efficiency of 6 retrofitted schools.</p> <p>January-March Roll out of action plan to reduce marine pollution from land-based sources. Present report on water efficiency to WCED and Public Works. Roll out of the 2Precious2Pollute programme.</p> <p>Monitor permitted waste management facilities for compliance.</p>	Implement waste management facility permitting. Monitor compliance with waste disposal facility permits.	Implement waste management facility permitting. Monitor compliance with waste disposal facility permits.
					<p>April-June Monitor 5% of permitted waste management facilities for compliance.</p> <p>July-September Monitor 5% of permitted waste management facilities for compliance.</p> <p>October-December Monitor 5% of permitted waste management facilities for compliance.</p> <p>January-March Monitor 5% of permitted waste management facilities for compliance.</p>		

Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
	Health Care Waste Management (HCWM) legislation implemented.	<p>Certified Health Care Waste Management Bill was approved and published by the Provincial Parliament on 7 December 2006 for public comment.</p> <p>The Standing Committee for Community Development extended the public commenting period for the Health Care Waste Management Bill until 28 February 2007 to facilitate public comment.</p> <p>The delays in publication of the bill delayed the promulgation and implementation of the bill and the subsequent submission of the regulations to Cabinet for approval.</p>	<p>Public comments were finalised and presented to Standing Committee.</p> <p>Approved by Standing Committee and assented to by the Premier on 18 December 2007. Date of the Act coming into effect dependent on the promulgation of Regulations.</p> <p>The finalisation of the Regulations was placed on hold until the Act was promulgated, as advised by Legal Services.</p>	<p>Finalised the Health Care Waste Management Regulations to be published in the gazette for public comment.</p>	<p>Facilitate and monitor implementation of the Health Care Waste Management Act and regulations.</p> <p>April-June Finalise Health Care Waste Management Regulations for approval. Initiate registration of Health Care Waste generators, treaters, transporters and disposers..</p> <p>July-September Finalise 50% of applications received for registration of Health Care Waste generator, treaters, transporters and disposers.</p> <p>October-December Finalise 100% of applications received for registration of Health Care Waste generator, treaters, transporters and disposers. Monitor compliance reporting of Health Care Waste data received from registered generators, treaters, transporters and disposers in terms of legislative requirements to manage waste stream.</p> <p>January-March Monitor compliance reporting of Health Care Waste data received from registered generators, treaters, transporters and disposers in terms of legislative requirements to manage waste stream.</p>	Facilitate and monitor implementation of the Health Care Waste Management Act and regulations.	Facilitate and monitor implementation of the Health Care Waste Management Act and regulations.

Objective	Performance Measure Indicator Facilitate the incremental implementation of Integrated Waste Management Plans (IWMP).	Actual 2006/07 Drafted assessment reports on Integrated Waste Management Plans. Monitoring of implementation of Integrated Waste Management Plans is ongoing.	Actual 2007/08 Assessment reports of the 19 submitted Integrated waste management plans were finalised and distributed to municipalities. Conducted a training workshop on integrated waste planning for Consumer Formulated Chemical Sector. Initiated a feasibility study on the options to manage household hazardous waste. Conducted a successful pilot household hazardous waste collection day in Stellenbosch in partnership with Stellenbosch Municipality and service providers.	Base Year 2008/09 (Outcome Estimate) Developed a monitoring and evaluating system for the implementation of Integrated Waste Management Plans. Finalised and work shopped the outcome of feasibility study on household hazardous waste with stakeholders. Mainstreamed integrated waste management planning in chemical formulated industry.	2009/10 Budget Implementation of the monitoring and evaluating system for Integrated Waste Management Plans (IPWIS). Implementation of the Provincial Hazardous Waste Management Plan with regard to industry waste management plans.	2010/11 (Target) Facilitate the development and implementation of Integrated Waste Management Plans.	2011/12 (Target) Facilitate the development and implementation of Integrated Waste Management Plans.	
					<p>April-June Workshop the monitoring and evaluation system for Municipal Integrated Waste Management Plans.</p> <p>July-September Initiate pilot implementation of the monitoring and evaluation system with regard to 5 municipal Integrated Waste Management Plans. Conduct workshop to facilitate the development of industry (chemical formulated) waste management plans.</p> <p>October - December Continue to pilot the implementation of the monitoring and evaluation system with regard to 5 municipal Integrated Waste Management Plans. Develop assessment criteria to assess the industry (chemical formulated) waste management plans.</p> <p>January - March Complete a monitoring and evaluation report on the pilot municipalities. Assessment of completed industry (chemical formulated) waste management plans according to the criteria.</p>			

Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
To promote integrated environmental quality management.	Functional Integrated Pollutant and Waste Information System (IPWIS).	Quality Assurance report on the Integrated Pollutant and Waste Information System finalised. Development of Integrated Pollutant and Waste Information System could not take place, primarily due to network instability. Training material was developed for the training workshops. Three training workshops on Integrated Pollutant and Waste Information System were conducted for officials from the five district municipalities and the metropolitan municipality.	Initiated desktop research on modelling applications and developed Emissions Estimation Techniques electronic package as part of further development of the Integrated Pollutant and Waste Information System. Waste characterisation survey data formatted for input into the Integrated Pollutant and Waste Information System as part of data collected and verified. Developed IPWIS training course and conducted one training workshop with municipalities and industry.	Integrated Pollutant and Waste Information System deployed to municipalities.	Further development and implementation of Integrated Pollutant and Waste Information System. April – June Introduce the registration process to the Health Care Waste generators, treaters, transporters and disposers. July – September Capture the registration of Health Care Waste generators, treaters, transporters and disposers. January – March Validate and capture the reporting of Health Care Waste data.	Further development and implementation of Integrated Pollutant and Waste Information System.	Further development and implementation of Integrated Pollutant and Waste Information System.
To promote sound integrated waste management.	Monitoring and evaluation report.	Four Waste Management in Education workshops conducted in Clanwilliam, Vredendal, Pketeberg and Riebeeck Kasteel, involving 111 educators of schools linked to circuits of the West Coast Education Management Development Centre.	Programme rolled-out to Central Karoo Education Management Development Council. Conducted successful workshop (52 educators attended). Held discussions with District Municipalities to involve them in the further rollout of the Programme.	Waste Management in Education programme rolled out further. Developed a questionnaire to support the evaluation of the Waste Management in Education programme.	Monitor and evaluate the Waste Management in Education (WAME) programme and roll out to 30 educators. April–June Initiate the evaluation of the WAME Programme.	Further roll out the Waste Management in Education programme to 30 educators.	Further roll out the Waste Management in Education programme to 30 educators..

Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
	Provincial round of the National Cleanest Town Competition (CTC) adjudicated.	Completed adjudication of the National Cleanest Town Competition. A composite Cleanest Town Competition report comprising the local municipality adjudication reports were compiled and printed for each district.	Successfully concluded the provincial round of the National Cleanest Town Competition.	Provincial round of the National Cleanest Town Competition adjudicated.	<p>2009/10 Budget</p> <p>July-September Continue the evaluation of the WAME Programme.</p> <p>October-December Finalise the evaluation of the WAME Programme.</p> <p>January-March Draft a monitoring and evaluation report on the WAME Programme. Workshop the Waste Management in Education programme to 30 educators.</p> <p>Adjudicate the provincial round of the National Cleanest Town Competition.</p>	Adjudicate the provincial round of the National Cleanest Town Competition.	Adjudicate the provincial round of the National Cleanest Town Competition.
					<p>April-June Initiate provincial round of the Cleanest Town Competition.</p> <p>July-September Initiate adjudication for the provincial round of the Cleanest Town Competition.</p> <p>October-December Finalise adjudication for the provincial round of the Cleanest Town Competition and host the award ceremony.</p> <p>January-March Evaluate the business plans of the winners of the Cleanest Town Competition. Publish the Cleanest Town Competition report.</p>		

Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
To promote integrated environmental quality management.	Measures and interventions for environmental resource efficiency developed and implemented.	Rolled out 2Wise2Waste in the Department. First draft Green Procurement Policy completed. Situation analysis report and draft strategy for stimulating the recycling economy was finalised.	Rolled-out the 2Wise2Waste environmental efficiency programme to all the other provincial departments. Continued with reclamation of office waste material within Department. Conducted five capacity-building workshops on recycling in five district municipalities. Draft Green Procurement Policy completed. Green grading of hospitality accommodation developed and ready for roll-out. Drafted Green Goal Action Plan. Training of tourism assessors completed as a minimum requirement.	Quarterly inter-departmental meetings to facilitate the roll out of 2Wise2Waste programme in the Provincial Departments hosted. The first draft of Green Procurement Policy finalised. Provided guidance to municipalities to recover waste material to secure supply for the recycling economy. Marketing campaign to promote demand for products from recycled material launched.	Further develop and facilitate implementation of policy interventions for improved waste management. efficiency for environmental resource	Further develop and facilitate implementation of policy measures and interventions for environmental resource efficiency.	Further develop and facilitate implementation of policy measures and interventions for environmental resource efficiency.
					<p>April-June Develop a survey to assess the environmental awareness and knowledge of the 2Wise2Waste programme in PGWC with regard to CBD area. Introduce the 2Wise2Waste programme to George office of the Department. Consider stakeholder comments on Green Paper and develop Green Procurement White Paper. Review and amend the recycling economy strategy. Saltem/August to provide final input</p>		

Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
					<p>2009/10 Budget</p> <p>July-September Conduct the 2Wise2Waste programme survey. Market the 2Wise2Waste within other Provincial Departments Continue to Implement the recycling economy strategy. Saliem/August to provide final input Update, reprint and distribute the recycling Products Catalogue. Obtain Cabinet approval for Green Procurement White Paper.</p> <p>October-December Analyse and publish the result of the 2Wise2Waste programme survey. Saliem/August to provide final input Draft the implementation plan of the Green Procurement Policy. Conduct a Western Cape Recycling Workshop.</p>		
					<p>January-March Distribution of the marketing 2Wise2Waste programme internally and externally. Saliem/August to provide final input Conduct ceremony to acknowledge Departmental Champions. Initiate development of a criteria to monitor the implementation the Green Procurement Policy. Amend recycling economy strategy. Saliem/August to provide final input</p>		

7.5 Specification of measurable objectives and performance indicators
7.5.1 Sub-programme 5.1: Biodiversity and protected area planning and management

Table 14: Strategic Objectives, Measurable Objectives, Performance Indicators and Targets

Sub-programme 5.1: Biodiversity and protected area planning and management		Embedding sustainable development in the growth and development of the Western Cape. To mainstream the sustainable development paradigm in environmental planning and management. To develop systems, processes and measures to support service delivery.					
Strategic Goal 1 Strategic Objective 1 Strategic Objective 2		To support strategic decision-making and intervention to enhance planning and environmental management.					
Key Measurable Objective		Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)	
Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
To promote the sound management of biodiversity.	Annual review of Cape Nature's Biodiversity Management Performance.	Service provider appointed to undertake annual reviews of the biodiversity management performance of CapeNature.	A review of the biodiversity management performance of CapeNature for the past two financial years was undertaken and a report containing recommendations was drafted and submitted to the Acting HOD and CEO of CapeNature. Improvements to the biodiversity monitoring system were recommended and the system revised accordingly.	Annual review of Biodiversity Management Performance of Cape Nature.	Monitor and report on Cape Nature's implementation of the recommendations of 2008/09 annual biodiversity performance reviews.	Annual Biodiversity Management Performance review of CapeNature.	Monitor and report on implementation by Cape nature on the recommendations of the 2010/11 annual biodiversity performance reviews.
					April-June Communicate the recommendations of the 2008/09 annual biodiversity performance reviews to CapeNature.		
					July-September Monitor Cape Nature's implementation of the recommendations of 2008/09 annual biodiversity performance reviews.		
					October-December Monitor Cape Nature's implementation of the recommendations of 2008/09 annual biodiversity performance reviews.		
					January-March Report on Cape Nature's implementation of the recommendations of 2008/09 annual biodiversity performance reviews.		

7.5.2 Sub-programme 5.2: Western Cape Nature Conservation Board

Table 15: Strategic Objectives, Measurable Objectives, Performance Measure Indicators and Targets

Sub-programme 5.2: Western Cape Nature Conservation Board		Strategic Goal 4 Accelerating economic growth, participation in, and access to, the environmental economy. Strategic Objective 6 To develop intervention strategies to facilitate equitable access to, and participation in, the environmental economy.		Key Measurable Objective To create opportunities for access to our natural resources, specifically for marginalised communities.			
Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
To financially support the Western Cape Nature Conservation Board (WCNCB).	The Western Cape Nature Conservation Board financially supported.	R91,790 million transferred to Western Cape Nature Conservation Board.	R82,975 million transferred to Western Cape Nature Conservation Board.	Financial support provided to the Western Cape Nature Conservation Board as per agreed funding schedule.	The Western Cape Nature Conservation Board financially supported.	The Western Cape Nature Conservation Board financially supported.	The Western Cape Nature Conservation Board financially supported.
					April–June Transfer amounts as per transfer schedule.		
					July–September Transfer amounts as per transfer schedule.		
					October–December Transfer amounts as per transfer schedule. January–March Transfer amounts as per transfer schedule.		

7.5.3 Sub-programme 5.3 Coastal resource use

Table 16: Strategic Objectives, Measurable Objectives, Performance Indicators and Targets

Sub-programme 5.3 Coastal resource use		Embedding sustainable development in the growth and development of the Western Cape. To mainstream the sustainable development paradigm in environmental planning and management. To support strategic decision-making and intervention to enhance planning and environmental management.			
Strategic Goal 1					
Strategic Objective 1					
Key Measurable Objective					
Objective	Performance Measure Indicator	Actual 2006/07	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)
Promote integrated coastal management.	Approved amended Integrated Coastal Management Programme (ICMP).	Implement and support selected priorities of the Integrated Coastal Management Programme. Interim Provincial Coastal Committee functional. Three Regional Coastal Committees (RCC) functional. Established Regional Coastal Committees for Eden district.	Implementation of the National Environmental Management Act Coastal Management Act (NEM:ICM). Implement and support selected priorities of the Draft Integrated Coastal Management Programme (DICMP).	Implementation of the National Environmental Management Act. Implement and support the Integrated Coastal Management Programme. Review the coastal Zone Policy.	Implementation of the National Environmental Management Act. Implement and support the Integrated Coastal Management Programme.
		100% of planned interventions implemented. Provided comment on Integrated Coastal Management Bill and participated in workshops to finalise the draft. Regular Provincial Coastal Committee meetings were convened and Regional Coastal Committees were assisted and supported. Course material for Coastal Induction Training Course compiled. Sustainable Coastal Livelihoods Training Courses were presented to coastal stakeholders. Assisted in providing technical support in terms of coastal management to municipalities, stakeholders and provincial counterparts.		Implementation of Act: Preparation of Education, Awareness and Training programmes. Initiate the review of the Coastal Zone Policy.	
				<p>April – June Implementation of Act: Preparation of Education, Awareness and Training programmes. Initiate the review of the Coastal Zone Policy.</p> <p>July–September Implementation of Act: Education, Awareness and Training programmes. Implementation of Act: Strategic support to Ministry on mandates and ratification of PCC. Workshop reviewed Coastal Zone Policy.</p>	

Objective	Performance Measure Indicator	Actual 2006/07	Actual 2007/08	Base Year 2008/09 (Outcome Estimate)	2009/10 Budget	2010/11 (Target)	2011/12 (Target)
					<p>2009/10 Budget</p> <p>October-December Implementation of Act: Education, Awareness and Training programmes. Implementation of Act: Technical and educational support to Municipalities. Finalise reviewed Coastal Zone Policy.</p> <p>January-March Implementation of Act: Technical and educational support to Municipalities. Reviewed Coastal Zone Policy adopted by Provincial Cabinet.</p>		

