



ENVIRONMENTAL AFFAIRS
& DEVELOPMENT PLANNING
Provincial Government of the Western Cape

Western Cape Renewable Energy and Energy Efficiency Action Plan

November 2010

B.Moiloa



HELP SAVE ENERGY

**TURN LIGHTS OFF
WHEN YOU LEAVE**



Western Cape Sustainable Energy

Strategy → Action Plans → Implementation

<u>End 2004</u>	<u>2006</u>	<u>2007</u>	<u>2009</u>	<u>2010</u>
<ul style="list-style-type: none"> • Status Quo Report Examines the energy situation nationally & outlines impacts on the province 	<ul style="list-style-type: none"> • Energy crisis – Crisis, Monitoring committee established • Ongoing consultative process: Eskom, civil society, PDC, DME, energy sector • Development of Draft Integrated Energy Strategy- ongoing baseline research, strategy development 	<ul style="list-style-type: none"> • RE Conference and Investment Forum 	<ul style="list-style-type: none"> • Completion of SWH 1000 programme • Cooperation Project with the GTZ Wind Energy Programme Regional Regulatory Action Plan Grid Study • Draft Sustainable Energy White Paper • Approval to draft the Sustainable Energy Bill 	<ul style="list-style-type: none"> Further roll out of 540 SWHs WC White Paper on Sustainable Energy gazetted Premiers 5 Yr Strategic Plan - Climate Change Workstream One Stop Shop Regional Environmental Assessment Maps for placement of wind farms Annual RE&EE Networking conference
<p><u>2005</u></p> <ul style="list-style-type: none"> • Initial consultative process: Eskom, civil society, PDC, DME, energy sector, Prov Govt Departments • Sustainable Development Conference – Charter outlines mandate & action to be taken on energy, climate change and SD 		<p><u>2008</u></p> <ul style="list-style-type: none"> • Start SWH 1000 programme, • CC Awareness Campaign • Western Cape Sustainable Energy Strategy • Energy Audits in Public Buildings 		

Overview

- **Objective 1:** An enabling institutional framework for sustainable energy
- **Objective 2:** Building a Green Economy
- **Objective 3:** Reduce Carbon emissions per unit of GPP by 10% by 2014
- **Objective 4:** 10% of existing public buildings retrofitted with respect to energy and water consumption by 2014
- **Objective 5:** 10% electricity reduction in selected provincial buildings including schools and hospitals by 2014
- **Objective 6:** 15% electricity usage in the province through renewable energy sources by 2014
- **Objective 7:** Implement Air Quality Plan
- **Objective 8:** 13% modal shift from private to public transport by 2014
- **Objective 9:** Tonnage freight by rail, rather than road increased by 10% by 2014

Objective 1: An enabling institutional framework for sustainable energy

- Energy Forum
- Energy Policy and Strategy Integration
- Sustainable Energy Bill
- Finance Mechanisms and Incentives

Objective 2: Building a Green Economy

- GreenCape Initiative
- Branding of the Sustainable Energy and Green economy Vision
- Investment attraction
- Industry Competitiveness
- Special Economic Development projects, to address critical constraints to the industry.

Objective 3: Reduce Carbon emissions per unit of GPP by 10% by 2014

- Solar Water Heating Programme
- Low carbon growth initiatives

Objective 4: 10% of existing public buildings retrofitted with respect to energy and water consumption by 2014

- Energy Audit and Retrofit Programme

Objective 5: 10% electricity reduction in selected provincial buildings including schools and hospitals by 2014

- Implement green design principles
- Green Procurement Policy

Objective 6: 15% electricity usage in the province through renewable energy sources by 2014

- Clean Energy Governance Programme (energy awareness, capacity building and guidelines)

Objective 7: Implement Air Quality Plan

- Greenhouse Gas Inventory

Objective 8: 13% modal shift from private to public transport by 2014

- IRT roll-out/ rail interventions

Objective 9: Tonnage freight by rail, rather than road increased by 10% by 2014

- Transnet concessioning of rail branch lines
- Increase Overload control on roads

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Thank You