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" Providing renewable energy expertise "



Overview & Assessment of the Energy Efficiency & Energy Conservation Policies & Initiatives of the Republic of South Africa

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Implemented by:

giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH



energy

Department:
Energy
REPUBLIC OF SOUTH AFRICA

Context

Population: 50 million

GDP: \$578 billion

GDP / capita \$11,300 pa

Economy Energy intensive - mining



Installed capacity ~41GW (33-35 GW available at any one time)

Source: 95% coal (GEF: ~1 kg of CO₂ / kWh)

Country Targets to reduce its GHG emissions to 34% below its “business-as-usual” growth trajectory by 2020, and by 42% by 2025, subject to specified conditions

National EE Strategy : Voluntary national target of a 12% reduction in final energy demand by 2015

3.4 GW DSM by 2030 - IRP



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Motivation for Study

Coordinate and unify existing EE measures

Comprehensive policy and legislative context for the development of the National Energy Efficiency Action Plan (NEEAP)

Approach

Primarily a desktop study

Complemented by a focused set of semi-structured qualitative interviews with industry, donors, government and other key stakeholders.



Barriers Identified

Barriers are viewed as absolute whereas they are generally relative

- General lack of awareness and understanding of EE
- Lack of appropriate and effective financial incentives and 'BAU' mindsets
- Lack of consumer awareness and understanding (incentives & initiatives)
- Clear disincentive for municipalities to participate in EE initiatives
- Inadequate coordination mechanisms (voluntary approach)
- Non-optimal enabling framework
- Need for capacity building



Policy, Initiatives and Programmes were analysed as follows:

Policy, Strategy, Regulations, Taxes and Incentives

- Supreme law
- Energy Policy and Strategy
- Energy Regulations and Legislation
- Energy Efficiency Incentive Programmes, taxes, rebates and other incentives
- Industrial policy, strategy and relative incentive programmes
- Environmental and Climate Change Policy and Strategy
- Transport



- Overview
- Current status and implementing agency
- Key EE objectives and targets
- Specific links to EE
- Summary of effectiveness in relation to EE

Energy Efficiency Initiatives



- Overview
- Implementing body
- Programme Targets
- Links to Acts, Policy or Regulations
- Funding Source, Format and Value
- Comments, effectiveness Challenges & Opportunities

Government, International Agencies and Donor Funded Programmes



- Overview
- Initiatives
- Comments, effectiveness Challenges & Opportunities

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SOUTH AFRICAN ENERGY EFFICIENCY HIGH LEVEL POLICY MAP

