

INDICATORS TO MONITOR PROGRESS ON IMPLEMENTATION BASED ON THE MAPUTO DECLARATION AND TARGETS SET BY FEMA TO MEET THE MILLENNIUM DEVELOPMENT GOALS

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1.0 Introduction

These indicators have been developed to monitor progress on the agreed actions under the Maputo Declaration and towards meeting the energy targets for enhancing Africa's capacity to meet the Millennium Development Goals (MDGs) which were set by the Ministers responsible for Energy in Africa in 2005.

The Monitoring tool below aims to achieve the following:

- Track progress made in relation to targets.
- To explain success and failure.

The baseline is taken as December 2006, just before when the Maputo declaration was made. Since the baseline data was not captured then it will be collected as we monitor the progress.

2.0 Targets for FEMA.

Targets set by FEMA in 2005 were:

1. Doubling of the consumption of modern energy services including increased energy access for productive uses. The use of modern biomass technologies for industrial purpose to be explored;
2. 50% of inhabitants in rural areas should use modern energy for cooking. Options should include improved cook stoves, which will result in both reduced air pollution and energy savings. Use of pressurised kerosene stoves and LPG stoves where the necessary support infrastructure is available can assist rural areas;
3. 75% of the poor in urban and peri-urban areas should have access to modern energy services for basic needs;
4. 75% of schools, clinics and community centres should have access to electricity as this would enhance their competitiveness;
5. Motive power for productive uses should be made available in all rural areas. The use of bio fuels should be explored.

3.0 SECTION A: COUNTRY RELATED INDICATORS

Name of Country í í í í í í í í í í í í í í ..

| S. No | Target or Agreed Resolution | Information/Indicator | Performance Questions | | Remarks Is there progress? What are the causes of success or failure? a) Causes of Success; b) Causes of Failure |
|-------|-----------------------------|---|---|---|---|
| | | | Baseline: Status in December 2006 | Current status in December 2008 | |
| 1 | | Use of modern energy services for cooking in rural areas. (Options include improved cook stoves, Liquefied Petroleum Gas, electricity, and other improved technologies for traditional or modern fuels or biofuels) | What was the percentage of inhabitants in rural areas using modern energy services for cooking? | What was the percentage of inhabitants in rural areas using modern energy services for cooking? | |
| 2 | | Percentage of inhabitants with access to electricity. *) | a) Rural access í í í í % b) Total access í í í í % | a) Rural access í í í í % b) Total access í í í í % | |
| 3 | | Schools and Health Centers with access to electricity | i. Schools with electricity í í ..% ii. Health Centers with electricity í í ..% | i. Schools with electricity í í ..% ii. Health Centers with electricity í í ..% | |

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|-------|-----------------------------|---|---|---|---|
| | | | Baseline: Status in December 2006 | Current status in December 2008 | |
| 4 | Resolution a. | Development of a Power Sector investment Plan | <p>What progress had been made in putting in place an investment plan? (<i>Tick one</i>)</p> <p>Investment Plan was being Prepared</p> <p>Investment Plan was in Place</p> <p>Had not started on Developing one</p> | <p>What progress had been made in putting in place an investment plan? (<i>Tick one</i>)</p> <p>Investment Plan was being Prepared</p> <p>Investment Plan was in Place</p> <p>Had not started on Developing one</p> | <p>A) causes of success</p> <p>B) Challenges faced</p> |
| 5. | | Development of an Oil and Gas Investment Plan | <p>What progress had been made in putting in place an investment plan? (<i>Tick one</i>)</p> <p>Investment Plan was being Prepared</p> <p>Investment Plan was in Place</p> <p>Had not started on Developing one</p> | <p>What progress had been made in putting in place an investment plan? (<i>Tick one</i>)</p> <p>Investment Plan was being Prepared</p> <p>Investment Plan was in Place</p> <p>Had not started on Developing one</p> | <p>A) causes of success</p> <p>B) Challenges faced</p> |

| S. No | Target or Agreed Resolution | Information/Indicator | Performance Questions | | Remarks Is there progress? What are the causes of success or failure? a) Causes of Success; b) Causes of Failure |
|-------|-----------------------------|---|--|--|---|
| | | | Baseline: Status in December 2006 | Current status in December 2008 | |
| 6. | Resolution b. | National Programs ongoing to ensure security of energy supply. (These may include, additional generation capacity, power transmission expansion programs as well as rural electrification programs) | What programs had been put in place to address the issue of ensuring energy security? i) generation ii) transmission iii) distribution iv) rural electrification | What programs had been put in place to address the issue of ensuring energy security? i) generation ii) transmission iii) distribution iv) rural electrification | |
| 7. | | Population without access to electricity | What was the number of people without access to electricity? | What was the number of people without access to electricity? | |
| 8. | Resolution d. | Prioritization of Energy in the national Budget | How was energy placed in the national budget? Among Priority sectors for funding Not a Among Priority sectors | How was energy placed in the national budget? Among Priority sectors for funding Not a Among Priority sectors | |

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|-------|-----------------------------|--|---|--|---|
| | | | Baseline: Status in December 2006 | Current status in December 2008 | |
| 9. | Resolution e. | Energy in the Poverty Reduction Strategy Paper (PRSP) or National Development Plans? | Was Energy emphasized in the Poverty Reduction Strategy Paper (PRSP) or National Development Plans? <i>(Tick one)</i> Energy was not given adequate coverage Energy was given adequate coverage | Is Energy emphasized in the Poverty Reduction Strategy Paper (PRSP) or National Development Plans? <i>(Tick one)</i> Energy was not given adequate coverage Energy was given adequate coverage | |
| 10. | Resolution g. | Status of Reforms in the Power Sector | Tick as appropriate: Regulator in place Unbundling Vertically Integrated Utility Private sector participation Cost reflective tariffs | Tick as appropriate: Regulator in place Unbundling Vertically Integrated Utility Private sector participation Cost reflective tariffs | |

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|-------|-----------------------------|--|--|---|---|
| | | | Baseline: Status in December 2006 | Current status in December 2008 | |
| 11. | | Impact of Reforms on the Power sector | What was the consumer electricity tariff in US Cents/kWh before reforms? What were the power losses in network before reforms? í í í í í í í í í % | What was the consumer current electricity tariff in US Cents/kWh? What is the current level of power losses in network? í í í í í í í í í % | |
| 12. | Resolution g. and i. | Level of New Investment in the Energy Sector | What was the level of investment in the power sector before the reforms? US \$ í ..in í .years | How much additional investment has been attracted after introducing the reforms? US \$ í ..in í .years | |
| 13. | Resolution j. | Adoption of a Sector Wide Approach | While planning energy projects, had you adopted the Sector wide approach? (<i>Tick one</i>) Yes No | While planning energy projects, have you adopted the Sector wide approach? (<i>Tick one</i>) Yes No | If yes give successful examples |
| 14. | | Proportion of Renewable energy sources***) in Power supply in the Energy Mix | What was the % of electricity produced from renewable energy sources? | What was the % of electricity produced from renewable energy sources? | |

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|-------|-----------------------------|---|--|--|---|
| | | | Baseline: Status in December 2006 | Current status in December 2008 | |
| 15. | | Use of existing carbon finance for developing the energy sector | How many projects in the energy sector where registered under either the Clean Development Mechanism or the Joint Implementation Mechanism of the UNFCCC. | How many projects in the energy sector where registered under either the Clean Development Mechanism or the Joint Implementation Mechanism of the UNFCCC. | |
| 16. | | Bio-fuels program | <p>Was there a policy promoting use of bio fuels in 2006? Yes No</p> <p>Was there any National Program or Strategy for promoting the use of Bio fuels?</p> | <p>Was there a policy promoting use of bio fuels in 2006? Yes No</p> <p>Was there any National Program or Strategy for promoting the use of Bio fuels?</p> | If yes give examples |

*) level of electricity access is the number of household electricity connections from grid or stand alone systems to at the end of the year times the average size of the household, and divided by the total number of inhabitants.

***) For this exercise large size hydropower (above 20 MW) should be excluded from the definition of renewable.

4.0 SECTION B: REGIONAL ECONOMIC COMMUNITIES (RECs)

Region _____

| S. No | Target or Agreed Resolution | Information/Indicator | Performance Questions | | Remarks Is there progress? What are the causes of success or failure? a) Causes of Success; b) Causes of Failure |
|-------|-----------------------------|--|--|---|---|
| | | | Baseline: Status in December 2006 | Current status in December 2008 | |
| 1. | | Regional programs in place such as interconnections, power pools, product swaps and barter trade for the oil and gas sector, regional refinery hubs, regional strategic stocks, and cross border pipelines | What were the regional initiatives in place? i) ii) iii) iv) | What are the regional initiatives in place? i) ii) iii) iv) | |
| 2. | | Harmonized Policies in the region | What policies were harmonized in the region? i) ii) iii) | What policies have been harmonized in the region? i) ii) iii) | |

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|-------|-----------------------------|------------------------------------|--|--|---|
| | | | Baseline: Status in December 2006 | Current status in December 2008 | |
| 3. | | Harmonized Standards in the region | What standards were harmonized in the region? i) ii) iii) | What standards were harmonized in the region? i) ii) iii) | |