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outh African National Energy Research Institute Pty (Ltd)

Energy Efficiency Metrics

and

National Energy Efficiency Assessment

in

Developing Countries







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Energy Innovation For Life

South Africa



Current Initiatives





- National Business Initiative (NBI) 'EE Accord', (B-up Appr).
- National DSM-programs:-
 - Standard Offer;
 - Monitoring and Verification Standard;
 - ISO 50001, (International Energy Management Standard).
- Long-term Mitigation Scenario (LTMS), Study.
- Clean Development Mechanism, (DOE).
- SWH Repository.



ISO 50001





The standard is expected to address issue like:

- measuring, reporting, benchmarking energy use improvements.
- assess energy improvement projects impact on GHG emissions.
- create transparency in the management of energy resources.
- evaluate the improvements in implementation of energy efficient technologies.
- validate continuous improvement in energy management.
- promoting a framework for efficient use of energy in the organization.
- helping in procurement practices for energy using equipment and systems."

Problem/ Risk Areas





- Confidentiality, eg. Cement Industry.
- Current IRP and IEP Processes based purely on MW.
- Developing Countries = Developmental Objectives.
- No clear EE-definitions:-
 - Benchmarking?
 - Performance Tracking?
 - Energy/Capita vs Energy/GDP?





Opportunities

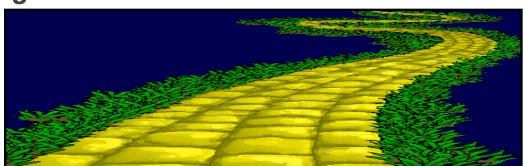




- Tax Rebates and National M & V Standard.
- ISO 50001 adoption.
- © Centre for Energy, (CESAR).
- Strong network of 'Industry Associations'.
- (5) 'EE' Credit Facility with Commercial Banks.
- National programs, eg. DSM Standard Offer.

Roadmap Needed!





Needs?





- Skilled Resources;
- Clear Definitions;
- Integration with 'other' initiatives;
- © Communicate/ lobby with 'influencers'.



Conclusion





- "NOW" is the time to impact the process.
- KISS-principle should apply, (34-26-34)!







Thank You!

