

Department of Energy

*Energy Efficiency Strategy, Management
and Reporting*

**Private Sector Energy Efficiency Conference
13 October 2015**

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Outline

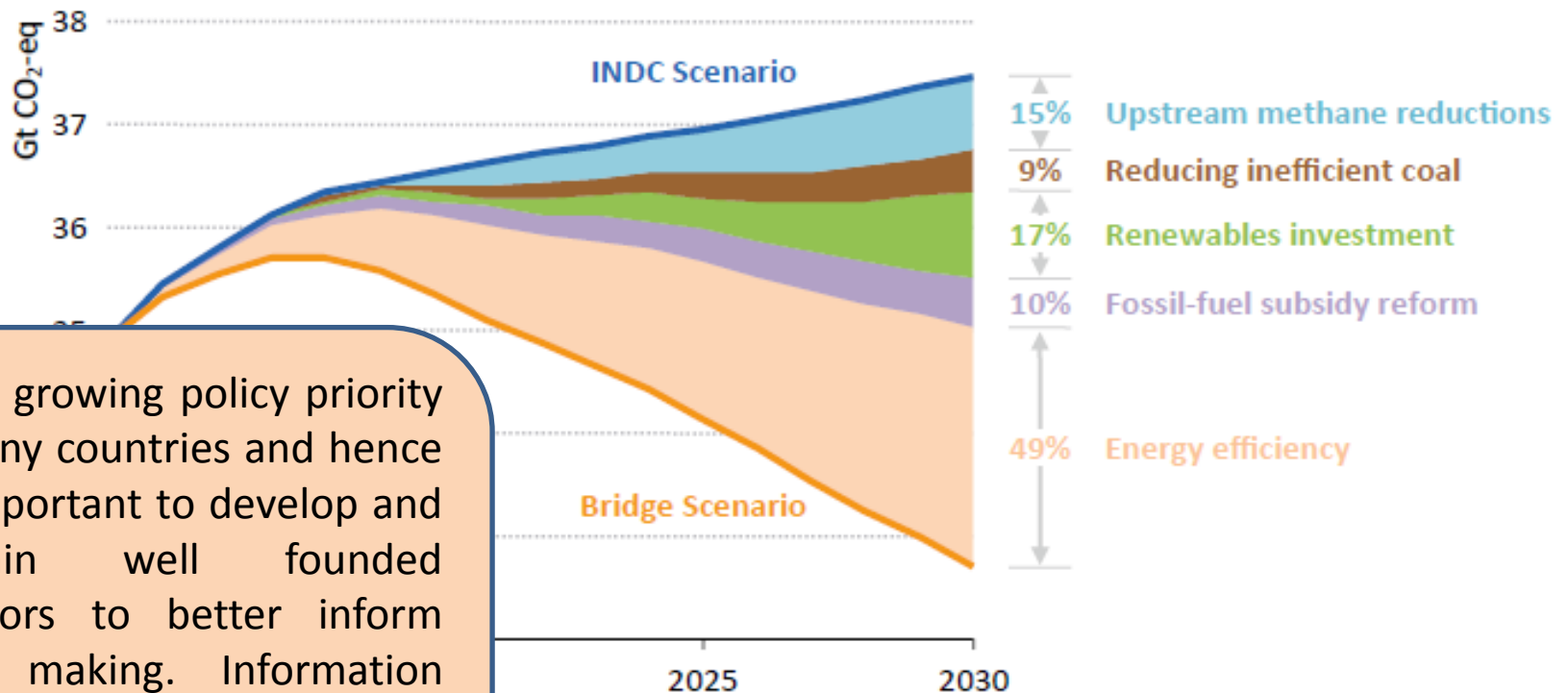
- Energy Management Programme
- National Energy Efficiency Strategy
- Energy Reporting Regulations and Guidelines
- Energy Efficiency Target Monitoring System



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Why is Energy Efficiency important?

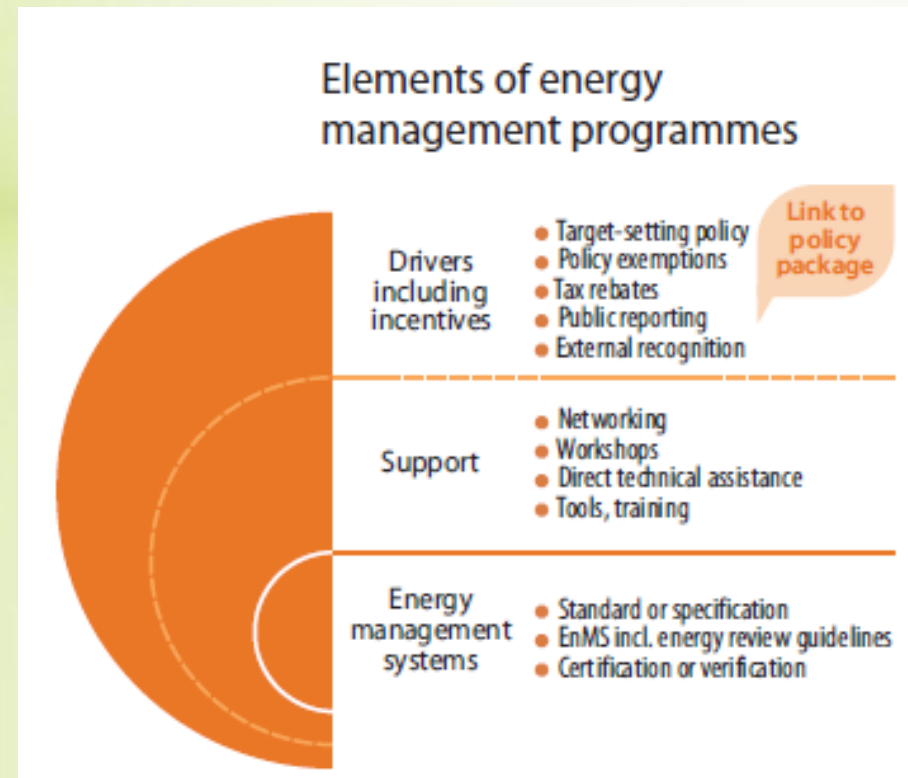


EE is a growing policy priority for many countries and hence it is important to develop and maintain well founded indicators to better inform policy making. Information gained from these indicators will help policy makers to set EE targets and track progress towards these targets.

IEA, World Energy Outlook Special Report (Climate and Energy) 2015

Energy Management Programme

- **Energy Management Programmes** are policies and initiatives to reduce the barriers to energy efficiency and to stimulate energy management in industry.



Source: Reinaud, Goldberg and Rozite, 2012



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Key Elements EnMP: Drivers and Incentives



Target Setting Policy	<ul style="list-style-type: none">• National Energy Efficiency Strategy• National Energy Efficiency Action Plan
Tax Rebates	<ul style="list-style-type: none">• 12 L
Other Incentives	<ul style="list-style-type: none">• Manufacturing Competitiveness Enhancement Programme
Reporting	<ul style="list-style-type: none">• Energy Reporting Regulations



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Key Elements EnMP: Support

Direct Technical Assistance

- PSEE
- South African Industrial Energy Efficiency Programme
- Energy Efficiency Hub at the University of Pretoria

Networking

- Energy Efficiency Leadership Network



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National Energy Efficiency Strategy

- NEES 2005 sets out a national target for energy efficiency of **12%** by 2015.
 - **9%** for transport
 - **15%** for industry and mining
 - **15%** commercial and public sector buildings
 - **10%** residential sector
- The process for developing targets for NEES post 2015 has commenced.
 - In preparation for the implementation of NEES post 2015 tools for monitoring and tracking progress have been put in place.

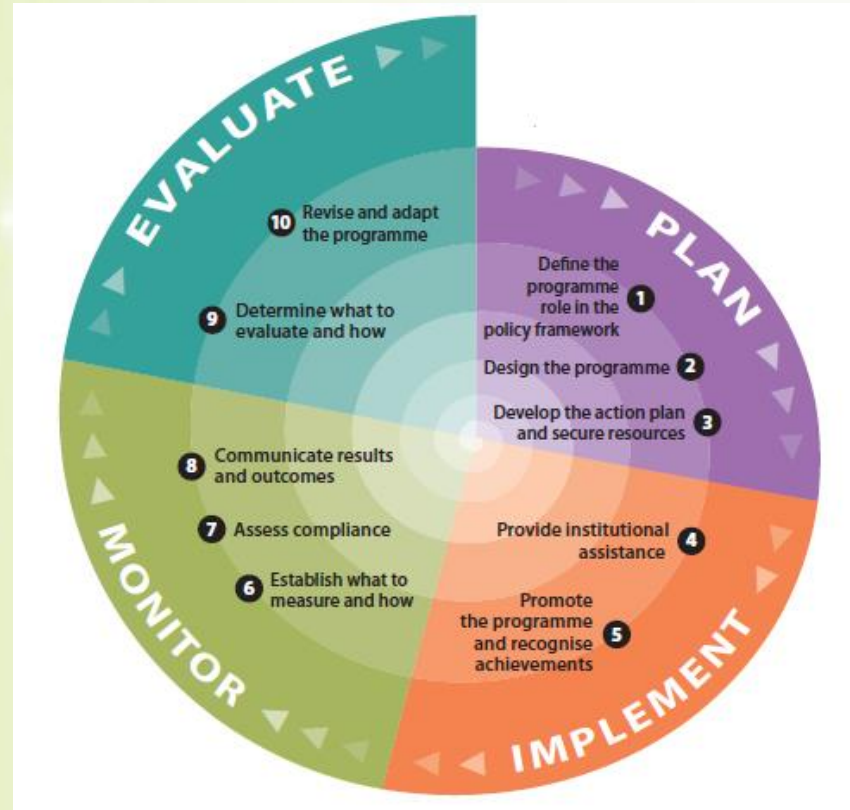


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Monitoring

“ You can not manage what you can not measure” .




Source: International Energy Agency, Institute of Industrial Productivity, 2012



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Draft Regulations on Energy Reporting

- The Department of Energy is mandated in terms of the Energy Act (Act 34 of 2008) to collect and analyse energy and fuel use data, as well as information on energy efficiency improvements.
- Draft Regulations Regarding, Reporting on Energy Management and Submission of Energy Management Plans were published for public comments in 27th March 2015.
 - **180 TJ** submit data on previous calendar year energy usage by the 31 March on an annual basis.
 - **400 TJ** submit energy management plans with an annual update on progress on the implementation of energy management plan activities annually.
- The purpose of the regulations is to ensure routine reporting in order to support monitoring of energy efficiency targets of the National Energy Efficiency Strategy post 2015.



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Energy Efficiency Target Monitoring System

- The Energy Efficiency Target Monitoring System will be used to collect, analyse and report on the data from companies which meet the thresholds outlined in the draft regulations for energy reporting.
- Tools for collecting data from energy intensive industries such as mining and metal production have been piloted.
- Lessons learned from the pilot programme will inform the full scale data collection which will commence once the Regulations are published.



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Thank You

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