



Department of Energy

Setting the scene - Integrated Energy Planning Process

25 Sep 2013



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Background

- Energy White Paper of 1998 calls for Integrated Energy Planning (IEP)
- Promulgation of the National Energy Act in 2008, providing for development of IEP

“The Integrated Energy Plan must deal with issues relating to the supply, transformation, transport, storage of and demand for energy in a way that accounts for—

- (a) *security of supply;*
- (b) *economically available energy resources;*
- (c) *affordability;*
- (d) *universal accessibility and free basic electricity;*
- (e) *social equity;*
- (f) *employment;*
- (g) *the environment;*
- (h) *international commitments;*
- (i) *consumer protection; and*
- (j) *contribution of energy supply to socio-economic development.”*

(a) *take account of plans relating to transport, electricity, petroleum, water, trade, macro-economy energy infrastructure development, housing, air quality management, greenhouse gas mitigation within the energy sector and integrated development plans of local and provincial authorities:*

(b) *inform and be informed by plans from all supply, production and demand sectors whose plans impact on or are impacted by the Integrated Energy Plan*

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Background...

IEP must:-

“(a) take account of plans relating to transport, electricity, petroleum, water, trade, macro-economy energy infrastructure development, housing, air quality management, greenhouse gas mitigation within the energy sector and integrated development plans of local and provincial authorities:

(b) inform and be informed by plans from all supply, production and demand sectors whose plans impact on or are impacted by the Integrated Energy Plan”



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Our Approach to Energy Planning

- A wide planning window is preferable given the lead-time associated with building energy infrastructure . Given the difficulty associated with forecasting the future over such a long period, certain assumptions have to be made in the development of the Energy Plan.
- Over and above government policy objectives for the energy sector, there is a need to embark upon a consultative process that aligns these policy objectives in a manner that makes for a robust plan.
- Consensus needs to be obtained between the intergovernmental and other stakeholders around the assumptions used, particularly the macro-economic, technical and environmental parameters upon which the modeling will be based.



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What is the proposed process?

Stage 1

- Web portal for registering as an Interested Party and for receiving written comments.
- Road-show starting today in Johannesburg, followed by Cape Town, Durban for face to face engagement
- We intend to cover other cities including Nelson Mandela, Mangaung, Rustenburg, Kimberly, Polokwane, Nelspruit
- Voice recording of all proceedings, to facilitate sharing of information across venues
- Opportunity for presentations by stakeholders.

Sep – Oct 2013

Stage 2

- Synthesis of stakeholder inputs
- Presentation of outputs from Stage 1.
- Final stakeholder inputs before production of IEP Report

Mar 2014



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Stakeholder Engagement Process – what we want to Achieve

- Agreement of the Purpose of the IEP
- Agreement with stakeholders on the minimum content of the IEP
- Agreement of the requisite quantitative baselines and assumptions
- Assessment of the gaps between expected content and existing content and data
- Agreement on the scenarios/pathways to be tested and the associated timelines
- Integration of various sector plans (for electricity, gas, liquid fuels, energy efficiency)
- Develop Draft IEP for consultation
- After the Public Participation process, adoption of the IEP



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Thank you



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