



# Joint Organisations Data Initiative:

*-Benefits of Energy Data Transparency for National Administration-*



**energy**

Department:  
Energy  
**REPUBLIC OF SOUTH AFRICA**

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# Presentation Outline

- 1. National Energy Data Resource.**
- 2. South Africa's National Energy Planning.**
- 3. Role of Data Transparency**
- 4. Benefits of Quality Data**
- 5. Areas of concern**

# 1. National Energy Data Resource

## Resource:

- Energy balances,
  - (production, import, and export of primary energy sources; transformation into fuels for final consumption; consumption by various high-level demand sectors, including the residential, commercial, industrial, agricultural and transport sectors)
- Energy efficiency data and indicators,
- Energy-related environmental emissions,
- Fuel prices and taxes.

# 1. National Energy Planning

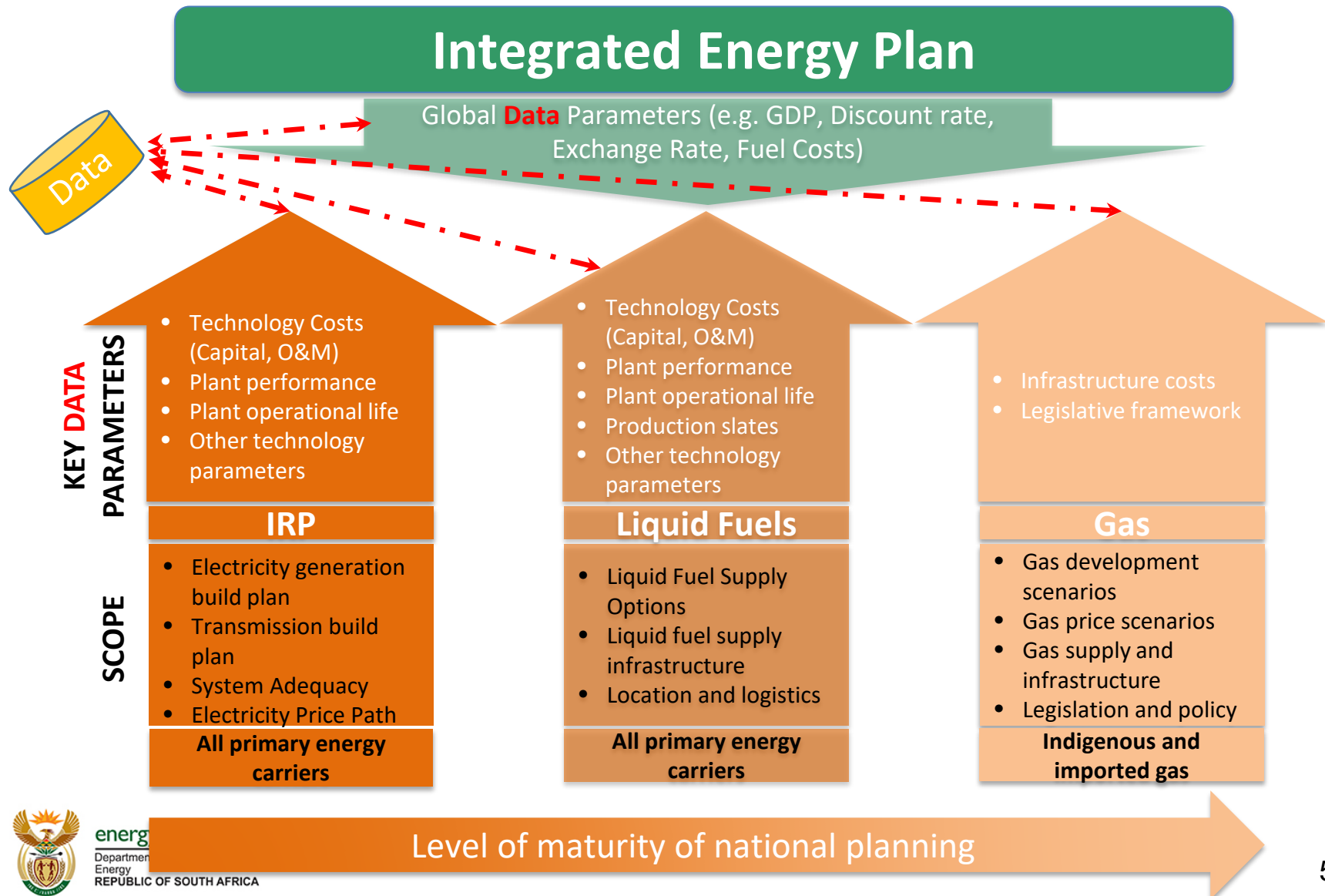
## South Africa's Energy Planning Context:

- **White Paper** on the Energy Policy of the Republic of South Africa of 1998.
- Further anchored in the **National Energy Act, 2008** (Act No. 34 of 2008)
  - [Mandates Minister of Energy to develop and publish and review the Integrated Energy Plan] .

## In reality:

- Planning largely dependent on data that resides within energy industry and outside National Government.
- Question – 1. How to gather quality data for planning and policy making purposes?
- Question – 2. Does National Government need to legislate energy data provision?

# 1. National Energy Planning



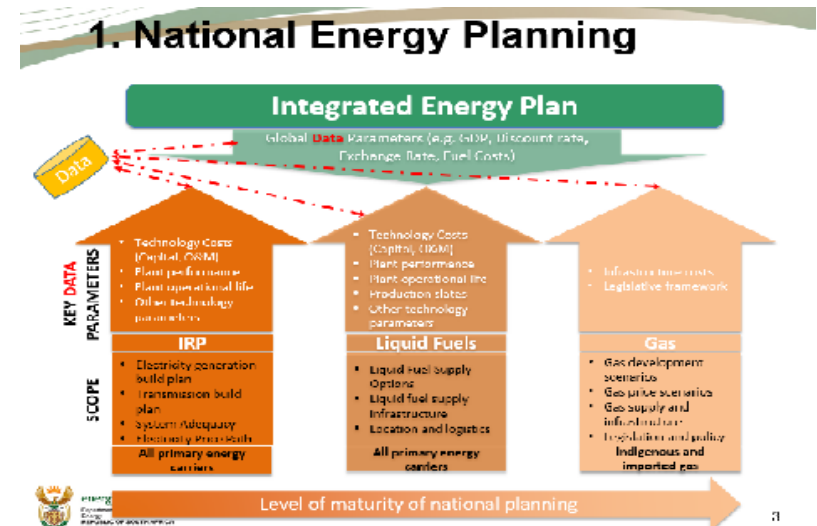
# 2. Role of Data Transparency

1. National Policy making that is based on quality consumer/producer data, including;

- Technology Cost
- Consumption patterns
- Commodity Price Volatility
- Investor Confidence.
- Targeted policy interventions based on data available.
- Monitoring of policy impact on access

2. National Planning based on data collated

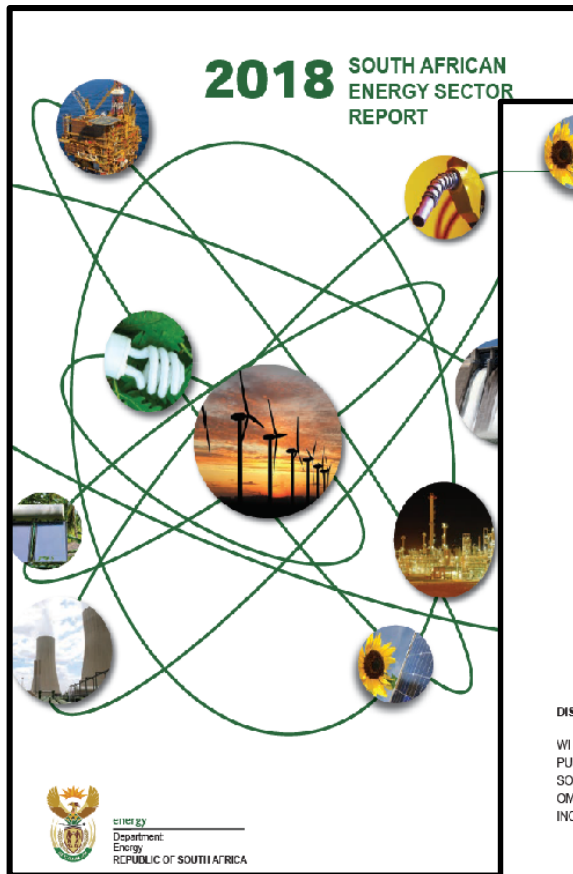
- Universal Access targets.
- Budget for targeted interventions.
- Energy Transition needs a qualitative and quantitative understanding of current status quo.





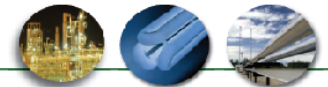
# 1. Benefits of Energy Data

*“South Africa Energy Balances Report, Nov 2018”*



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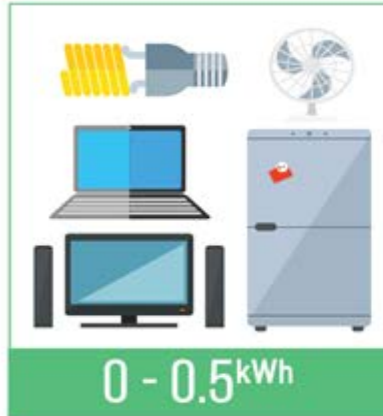
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*\*Questionnaires completed by industry. Team currently looking at amendment of Regulations to improve data quality and include Energy Efficiency data.*

# Benefits of Energy Data

*"Analysis of Typical Household Energy Consumption"*



EIUG  
Energy Information Users Group  
of Southern Africa

BDO

Eskom

Produced by BDO Consulting, South Africa  
[www.eiug.org.za](http://www.eiug.org.za)



# Benefits

1. Well considered energy plans
  1. electricity, [generation, energy efficiency]
  2. liquid fuels and
  3. gas plans.
2. Policy development geared towards improving economic outlook of South Africa.
3. Just Energy Transition based on high quality data.
4. Universal access targets continuously monitored.

# 5. Areas that requires improvements

1. Currently data provision is voluntary. Challenges when changes in data sets are made.
2. Need for coordination at National Administration level (i.e. Department of Energy, Department of Environmental Affairs).
3. Tools, Systems and data period need be standardized to improve data collection effectiveness.
4. Possible introduction of compulsory/ mandatory Regulations by amending current regulation;
  1. Create certainty to the public
  2. Ensure compliance
  3. Define who is expected to provide what data

# Thank You

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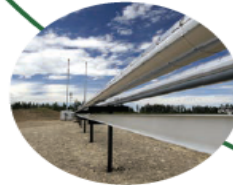
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