



# Energy Accounts

Policy uses and applications

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- A quick overview of policy uses of the energy accounts
- Some Australian Examples
  - Example 1: National Accounts Benchmarks
    - Use of supply use tables
  - Example 2: Energy price elasticities
    - Use of energy intensity and prices
  - Example 3: Energy productivity
    - Use of hybrid tables



SEEA-Energy informs policy decisions related to the supply and use of energy.

- SEEA-Energy can provide broad guidance on issues and areas of concern that should be the focus of decision makers and provide indicators of progress towards policy objectives.
- SEEA-Energy can support a richer understanding of the issues including potentially identifying the key drivers of change.
- SEEA-Energy framework supports the development of models and scenarios that can be used to assess the impact of possible policies both within a country and between countries.





Overarching policy objectives could typically be framed against three major categories:

- improving energy supply and access to energy;
- managing energy supply and demand;
- and reducing pressures of energy on the environment.





## Chapter 7 of the SEEA – Energy focuses on uses of Energy Accounts

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- At the moment we know of a limited range of users
  - Treasury
  - National Greenhouse Gas Inventories (Environment)
  - Department of Industry, Innovation and Science
  - Australian Taxation Office
  - Australian Gas Association
  - Clean Energy Regulator
  - Australian Competition and Consumer Commission
  - CGE modelling
  - State of the Environment Reporting (upcoming)
- The greatest use of the energy accounts is to get access to more detailed data for policy research and further analysis.



- The energy accounts are an input data source for national accounts supply use benchmarks.
- Primarily used for measuring total intermediate use by industry of energy products.
- Used for coherence checks with energy supply and household final consumption expenditure.
- Energy accounts publish monetary accounts based on the National Accounts Benchmarks.



- Project led by Department of Industry, given to ABS from the energy balances team (also in Dept of Industry)
- Seeking information to test the influence of energy prices on energy elasticities
- Supplied with more detailed energy accounts data (gross tables) and price indices of energy product by industry.
- ABS assisted the analysis and was able to proof read the results.





- Contacted by a consultant to the department of industry looking at ways in which the government could double energy productivity.
- Used hybrid tables due to the link between energy and costs.
- ABS relied upon to talk through methods and assist in developing a good time series of productivity data for the consultant.
- Results were used in a report back to the department.