











## ESSENTIAL STATISTICAL ASSETS FOR AUSTRALIA

### ESA – 174 ENERGY SUPPLY AND USE

Summary of Quality Assessment Results							
Overall ESA Assessment	Institutional Environment	Relevance	Timeliness	Accuracy	Coherence	Interpretability	Accessibility
 Green	 Green	 Green	 Amber	 Green	 Green	 Green	 Green

List of Contributing Datasets and Custodians	
<ul style="list-style-type: none"> <li>• Australian Energy Projections (BREE)</li> <li>• Australian Energy Statistics (BREE)</li> <li>• Energy Accounts (ABS)</li> <li>• Energy, Water and Environment Survey (ABS)</li> <li>• Household Energy Consumption Survey (ABS)</li> </ul>	<ul style="list-style-type: none"> <li>• MPS – Energy Use and Conservation (ABS)</li> <li>• National Greenhouse and Energy Reporting System (CER)</li> <li>• Taxation Statistics (ATO)</li> </ul>

ESA Elements					
Pillar	Dimension	Description	Critical Frequency	Critical Spatial	Critical Disaggregation
Economy	Business Performance and Structure	Includes statistics on the monetary and physical supply, use, efficiency and intensity of energy in Australia	Annually	National, State/Territory	Industry, Renewable/Non-Renewable, Energy Source

#### Overall ESA Assessment

The quality of ESA – 174 Energy Supply and Use was assessed as a green traffic light for the purpose of ESA. The overall quality of this statistic met an acceptable standard for the quality indicators selected and the appropriate quality practices and processes were in place. This statistic quality assessment was based on quality information about the contributing datasets. Data custodians can be contacted for further information about the quality of the datasets which contributed to the statistic.

*For more detailed quality information about each dimension, see over page*





# ESA – 174 ENERGY SUPPLY AND USE

## Institutional Environment

The statistic scored a green traffic light for institutional environment. There were sufficient quality and risk management processes in place in most cases, protections for confidentiality and archiving processes. Staff were trained in data collation and on the statistical purpose of the administrative records.

## Relevance

The statistic scored a green traffic light for relevance. All key information identified in the description of the statistic was available. The critical spatial level identified for the statistic, State/Territory, was not produced for some information. The critical disaggregations identified for the statistic were available in most cases, but information about the critical disaggregations Renewable/Non-Renewable and Energy Source was limited for some situations.

## Timeliness

The statistic scored an amber traffic light for timeliness. Users were able to access the release of new data when expected. Some release of data for the statistic did not meet the critical frequency and in some cases the duration between collection and release of data was not timely.

## Accuracy

The statistic scored a green traffic light for accuracy. Most of the target population was sufficiently represented for the statistic, and there were either no known under or overcounts or under or overrepresentation, or these were managed. There were sufficient measures in place to adjust for missing values and non-response. Sampling error was represented for survey data, for individual figures. The accuracy varied for information collected within administrative datasets.

## Coherence

The statistic scored a green traffic light for coherence. External sources were available for data confrontation. Most information for the statistic was able to be compared over time as population and characteristic definitions remained mostly consistent, however there were some changes to collection procedures over time. There was some variation between data compiled from multiple administrative sources.

## Interpretability

The statistic scored a green traffic light for interpretability. Data quality statements and information to help users to understand the data were available. Users were able to access additional support if needed. Descriptions of the conceptual limitations were available for most information.

## Accessibility

The statistic scored a green traffic light for accessibility. The key information, including visualisations such as graphs or maps, was publicly available and users could access all data in formats such as html and most data in Excel. Some data was also accessible in a machine readable format. The key information was accessible for free with customised data available at a cost.

## Areas for Improvement

- The release of data did not meet the critical frequency in all cases.
- The duration between collection and release of data was not timely in some cases.
- The accuracy varied for information collected within administrative datasets.