

Energy balances in the MS Excel file format

Eurostat received several requests for publishing energy balances also in the MS Excel file format. Energy balances for period 1990-2019 are included in this zip file. This data is complementing the presentation of data in the standard Eurostat's dissemination environment. In order to access the full scope of energy statistics as covered by [Regulation \(EC\) No 1099/2008](#) on energy statistics, please visit our website: <http://ec.europa.eu/eurostat/web/energy/data>

Methodology

Legal basis

Eurostat's energy balances are based on the data requirements established by Regulation (EC) No 1099/2008 on energy statistics and its respective amendments. In this Regulation, Annex A defines the geographical scope, aggregates as well as sectors (supply, transformation sector, energy sector, final consumption, end-use specification) and Annex B defines the specific modalities for energy products.

Definitions of product aggregates

For definitions of specific products please refer to Annex B of Regulation (EC) No 1099/2008 on energy statistics and/or the reporting instructions for the annual energy questionnaires, that are available within the [Dedication section – Energy](#) on Eurostat's website.

Methodology for constructing the energy balance

Please see the energy balance guide:

- Annex to [metadata file](#) in Eurobase tree
- [Dedicated section – Energy](#) on Eurostat's website

Definitions of key elements in the energy balance

For the definition of a specific element (flow) please refer to Annex A and Annex B of Regulation (EC) No 1099/2008 on energy statistics and/or the reporting instructions for the annual energy questionnaires, that are available within the [Dedicated section – Energy](#) on Eurostat's website.

Users should pay attention when interpreting values for these elements. For some derived products (such as electricity) the value of energy balance aggregates (such as *Gross available energy*) is representing only the amount of net trade. For some other derived products (such as petroleum products) the value of *Total energy supply* is representing the amount of net trade, stock changes and consumption in the international marine and aviation bunkers. As evident from the examples above, these aggregates on the supply side can also be negative.

Negative values for the element *Available for final consumption* indicate inaccuracies in statistical data collections or reporting.

While the *Statistical difference* can be a measure of the quality of data – it symbolises the statistical balance between supply and consumption of energies, its

zero value might also be a result of a methodological approach that attributes non-surveyed elements of energy into, among others, one of the following categories: *not elsewhere specified*, *stock changes* or *distribution losses*. Consequently, in some cases low values of *Statistical difference* might indicate data of higher quality than a dataset with a *Statistical difference* equal to zero.

Interpretations of empty cells and zeros

The statistical data collection system in the annual energy questionnaires cannot distinguish between the following cases:

- Data are not available to the reporting authority
- Data are confidential and not shown
- Energy quantity is a real zero (there is no consumption)
- Consumption is negligible (quantity is less than half of the respective national reporting unit)

All these cases are shown as “zero” in the MS Excel files version of energy balances. MS Excel shows virtual precision as fragment of calculations, for most practical purposes it is recommended to round values in ktoe to three decimal places.

Access to detailed data

Readers requiring more detailed energy data are kindly requested to visit Eurostat’s website, that offers user-friendly access to detailed data in the energy domain:

Energy database

<http://ec.europa.eu/eurostat/web/energy/data/database>

Energy flow diagrams – Sankey diagrams

<http://ec.europa.eu/eurostat/cache/sankey/sankey.html>

Statistics Explained articles – Energy

<http://ec.europa.eu/eurostat/statistics-explained/index.php/Category:Energy>

Contact

Please use the following link for any questions or comments:

<http://ec.europa.eu/eurostat/help/support>