

Reference Metadata in ESMS 2.0 structure

Statistical survey on consumption of energy commodities and types of energy in business entities (annual)

E_ENE.63_A_EN_2024_1

Reference Metadata in ESMS 2.0 structure

1	Contact
1.1	Contact organisation
State Statistical Office	
1.2	Contact organisation unit
Department for environmental statistics, energy and transport	
1.3	Contact name
Gjurgjica Miloshevskaja	
Stojna Maneva	
1.4	Contact person function
advisor	
1.5	Contact mail address
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1.6	Contact email address
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1.7	Contact phone number
00389 2 3295 637	
00389 2 3295 737	

1.8	Contact fax number
00389 2 3111 336	
2	Metadata update
2.1	Metadata last certified
27/05/2025	
2.2	Metadata last posted
27/05/2025	
2.3	Metadata last update
27/05/2025	
3	Statistical presentation
3.1	Data description
Data consumption of energy products in Sections: B; C; D and F, in accordance with NKD Rev.2.	
3.2	Classification system
National Classification of Activities - NKD.Rev.2; List of energy commodities and types of energy.	
3.3	Sector coverage
Sections: B - Mining and quarrying; C - Manufacturing; D - Electricity, Gas, steam and air conditioning supply, F - Construction, according to NKD Rev.2.	
3.4	Statistical concepts and definitions
<p>Import/Export represents the quantity that entered/left the national territory. Transformation input includes energy commodities consumed for transformation into another energy form (Heat and Electricity). Exchanges and transfers, returns represent transfer of produced Petroleum Products for further production or transfer of electricity gross production from renewable sources. Losses include all losses due to transmission and distribution of energy (natural gas, electrical energy, geothermal heat, derived heat). Available for final consumption is energy available to final consumers. Gross national electricity consumption is the sum of net electricity import and gross national electricity production. Energy dependency is produced as ratio between the net-import of energy and the gross inland consumption. Energy intensity represents the ratio between the gross inland consumption of energy and the gross domestic product (GDP) in Euros with reference year 2005. Tonne of oil equivalent (toe) is a conventional standardized unit defined on the basis of a tonne of oil with a net calorific value of 41868 kilojoules/kg.</p>	
3.5	Statistical unit
Statistical units: business entities belonging to Sections: B - Mining and quarrying; C - Manufacturing; D - Electricity, Gas, steam and air conditioning supply and F - Construction, in accordance with NKD Rev.2.	

3.6	Statistical population
Consumed energy products from business entities belonging to Sections: B - Mining and quarrying; C - Manufacturing; D - Electricity, Gas, steam and air conditioning supply and F - Construction, in accordance with NKD Rev.2.	
3.7	Reference area
Republic of North Macedonia	
3.8	Time coverage
Since 1998 year.	
3.9	Base period
4	Unit of measure
tonnes, 000'toe.	
5	Reference period
Year.	
6	Institutional mandate
6.1	Legal acts and other agreements
<p>NATIONAL LEGISLATION</p> <p>Law on State Statistics ("Official Gazette of the Republic of Macedonia" No. 54/1997, 21/2007, 51/2011, 104/2013, 42/2014, 192/2015, 27/16, 83/18, 220/18 and "Official Gazette of the Republic of North Macedonia" No. 31/20 (https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/).</p> <p>Programme of Statistical Surveys 2023-2027 ("Official Gazette of the Republic of North Macedonia" No. 29/23 and 57/25) (https://www.stat.mk/en/about-us/legal-acts/program-for-statistical-surveys/).</p> <p>International: Regulation (EC) No 1099/2008 of the European Parliament and of the Council Commission Regulation (EU) No 431/2014, amending Regulation (EC) No 1099/2008 Energy Statistics Methodology, Eurostat, 1998 Energy Statistics Manual, OECD/IEA/Eurostat, 2004 SHARES (SHort Assessment of Renewable Energy Sources) Tool Manual, Eurostat, 2015</p>	
6.2	Data sharing
Data are submitted in IEA/Eurostat/UNECE with joint questionnaire JQ IEA - Eurostat - UNECE.	
7	Confidentiality
7.1	Confidentiality - policy

1. The protection of individual data is regulated by the Law on State Statistics (<https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/>).

2. The basic principles and activities undertaken to ensure data confidentiality are described in the Policy on Statistical Confidentiality (<https://www.stat.mk/en/about-us/policies-and-strategies/policy-on-statistical-confidentiality/>).

7.2 Confidentiality - data treatment

Pursuant to Article 38 of the Law on State Statistics (<https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/>) and the Policy on Statistical Confidentiality (<https://www.stat.mk/en/about-us/policies-and-strategies/policy-on-statistical-confidentiality/>), individual data are not published. However, if access is granted to microdata from the relevant survey, then the methods used to prevent data disclosure should be specified.

8 Release policy

8.1 Release calendar

Data are released in accordance with the Release Calendar, which is published on the web site of the State Statistical Office.

8.2 Release calendar access

[https://www.stat.mk/en/publishing-calendar/#/Advance release calendar](https://www.stat.mk/en/publishing-calendar/#/Advance%20release%20calendar)

8.3 User access

All users have equal access to statistics at the same time: this means that the publication dates are announced in advance and no user has access to official statistics before they are published. Statistical data are first published in the "News Releases" edition on the website of the State Statistical Office at 12:00.

9 Frequency of dissemination

Annually.

10 Accessibility and clarity

10.1 News release

News Releases are published and they are available on the website of the SSO in the section: "News Releases" (<https://www.stat.mk/en/all-new-releases>),

10.2 Publications

Statistical review: [Energy consumption in households](#),

Statistical Yearbook (link: https://www.stat.gov.mk/PrikaziPublikacija_1_en.aspx?rbr=915).

10.3 On-line database

<https://makstat.stat.gov.mk/PXWeb/pxweb/en/MakStat/>

10.4 Micro-data access

The use of microdata by external users is possible only for research purposes and is done in accordance with the Law on State Statistics (Article 41, Article 42 and Article 43). Access to anonymised microdata is defined by an internal procedure of the State Statistical Office "Access to anonymised microdata for scientific research purposes" (<https://www.stat.mk/en/about-us/procedures/rules-for-access-to-anonymised-microdata-for-research-purposes/>). .

10.5 Other

At the request of users, data are also prepared in a form according to their needs.

10.6 Documentation on methodology

[Methodological explanations](#) are published on web page of SSO.

10.7 Quality documentation

11 Quality management

11.1 Quality assurance

The quality of the processes and products in the State Statistical Office is ensured by adhering to the European Statistics Code of Practice (<https://www.stat.mk/en/about-us/quality/code-of-practice/>), and the Quality Assurance Framework within the European Statistical System (ESS Quality Assurance Framework – <https://ec.europa.eu/eurostat/documents/64157/4392716/ESS-QAF-V2.0-final.pdf>). The quality criteria are also determined in the Law on State Statistics in Article 4b and Article 4c (<https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/>). .

11.2 Quality assessment

The State Statistical Office carries out statistical activities in accordance with the Statistical Business Process Model, which is based on the international model - Generic Statistical Business Process Model (GSBPM). The application of this model and international standards in statistical production ensures a high level of accuracy and comparability of data.

12 Relevance

12.1 User needs

The data are used by governmental and scientific institutions, as well as by business community for: preparation of planned balance for next year, preparation of long term strategies related to energy needs and its share in planned consumption on national level, analysis of use of renewable sources, calculation of share of renewable sources in total consumption on national level, etc.

12.2 User satisfaction

Starting from 2009, the State Statistical Office conducts a User Satisfaction Survey every three years.

12.3 Completeness

Concerning the indicators required by the Regulation (EC) No. 1099/2008, the SSO provides about 95%.

13 Accuracy and reliability

13.1 Overall accuracy

The survey methodology and the data collection method ensure good coverage and accuracy of the data.

13.2 Sampling error

The survey is not conducted on a randomly selected sample and therefore there is no calculation of sampling errors.

13.3 Non-sampling error

Coverage errors: 100% coverage is provided. Providers of data are reminded on time to fulfil their obligation. Processing errors: Rules for control and calculations of output are implemented in the application for processing. Non response errors: As full coverage is ensured, there are no non-response errors.

14 Timeliness and punctuality

14.1 Timeliness

T+290.

14.2 Punctuality

The data are published on the day announced in the Advance Release Calendar.

15 Coherence and comparability

15.1 Comparability - geographical

Data are released at national level. Comparability is ensured at international level.

15.2 Comparability - over time

Since 1998 there is no gap in the time series. The number of reference periods in the time series is 18.

15.3 Coherence - cross domain

Data are coherent between different parts of energy statistics. Cross-domain coherence is ensured in part.

15.4 Coherence - internal

Internal coherence of data is ensured.

16 Cost and burden

17 Data revision

17.1 Data revision - policy

Data revision is made in accordance with the Statistical Data Revision Policy of the SSO: (<https://www.stat.mk/en/about-us/policies-and-strategies/data-revision/>).

17.2 Data revision - practice

Data are published as preliminary and final (revised) data. Data were revised in 2016 for the period 2005-2014. In revised energy balances are implemented results from the Survey on energy consumption in households, 2014.

18 Statistical processing

18.1 Source data

This statistical survey is based on a sample. Statistical survey "Annual survey for energy commodities and types of energies consumption in business entities" (ENE.63) is filled in by business entities that belong to Sections: B - Mining and quarrying; C - Manufacturing; D - Electricity, Gas, steam and air conditioning supply and F - Construction. Updating of the sample is carried out annually.

18.2 Frequency of data collection

Annually.

18.3 Data collection

"Data on consumption of energy commodities are collected by the statistical survey ""Annual survey on consumption of energy commodities and types of energies in business entities"" (ENE.63). Business entities fill in data and send the completed forms to the SSO, at latest 130 days from the end of reference period."

18.4 Data validation

Data validation is made in accordance with defined control criteria. Data control is carried out before and after data entry. For any inconsistencies in data, contact is made with the reporting

unit. Final results are also under control before publishing.

18.5 Data compilation

Editing: The data received from businesses entities, after verification and correction in consultation with the reporting units, are entered in an electronic application with integrated on-line controls. Imputations: Balances by energy products and energy balances are processed in accordance with scheme in Joint Questionnaires of IEA/Eurostat/UNECE.

18.6 Adjustment

No data adjustment is made.

19 Comment

A.1 Annexes