

Reference Metadata in ESMS 2.0 structure

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

E_ENE.13_M_EN_2025_12

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
Stojna Maneva	
Gjurgjica Miloshevskia	
1.4	Contact person function
advisor	
1.5	Contact mail address
Dame Gruev 4, 1000 Skopje, Republic of Macedonia	
1.6	Contact email address
stojna.maneva@stat.gov.mk	
gjurgjica.milosevska@stat.gov.mk	
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
29/05/2025	
2.2	Metadata last posted
29/05/2025	
2.3	Metadata last update
29/05/2025	
3	Statistical presentation
3.1	Data description
Data on consumption of energy products in Sections: B, C, D и 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 - Mininig and quarrying; C - Manufacturing; D - Electricity, Gas, steam and air conditionning supply; F - Construction, according to NKD Rev.2.	
3.4	Statistical concepts and definitions
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.	
3.5	Statistical unit
Statistical units: Business entities belonging to Sections: B - Mininig and quarrying, C - Manufacturing, D - Electricity, Gas, steam and air conditionning 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 January 2005.	
3.9	Base period
4	Unit of measure
tonnes, 000'toe.	
5	Reference period
Month.	
6	Institutional mandate
6.1	Legal acts and other agreements
NATIONAL LEGISLATION 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). 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/). 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	
6.2	Data sharing
Data are transmitted to IEA/Eurostat/UNECE with questionnaire Electricity (M-3), Solid Fuels (M-3), MOS_OIL, MAXI_JODI, MOS_JODI_GAS.	
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. The Release Calendar is prepared annually before the beginning of each year and is updated quarterly.

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

Monthly.

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

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 business community for : preparation of planned balances for next year, for preparation of longterm strategies related to	

energy needs and its share in planned consumption on national level, analysis of use of renewable sources, share of renewables in total consumption in the country, 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 100 %.

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

Not applicable (survey is with total coverage).

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+ 55.

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 2005 there is no gap in the time series.

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.	
18	Statistical processing
18.1	Source data
This statistical survey is with full coverage. Statistical survey ""Monthly report on consumption of energy commodities and types of energies in business entities"" (ENE.13) is fill in by business entities that belong to Section: B - Mininig and quarrying, C - Manufacturing, D - Electricity, Gas, steam and air conditionning supply and F - Construction. Updating of the coverage is carried out annually.	
18.2	Frequency of data collection
Monthly.	
18.3	Data collection
Data on consumption of energy commodities are collected by the statistical survey " Monthly survey on consumption of energy commodities and types of energies in busienss entities"(ENE.13). Business entities fill in data and send the completed forms to the SSO, at latest 25 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: Monthly energy statistics 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

