

Statistical survey on business entities operating with geothermal water/energy (monthly)

E_ENE.8_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
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2 Metadata update**2.1 Metadata last certified**

10/06/2025

2.2 Metadata last posted

10/06/2025

2.3 Metadata last update

10/06/2025

3 Statistical presentation**3.1 Data description**

ENE.8 Monthly survey on business entities operators of geothermal heat/ water collect data for used geothermal water, its technical characteristics, used geothermal energy, losses etc.

3.2 Classification system

National Classification of Activities Rev.2; List of energy commodities and types of energy.

3.3 Sector coverage

B- mining and quarrying, C - manufacturing industry, D - electricity supply, F - construction;

3.4 Statistical concepts and definitions

The collected data are presented in the form of energy balances. The structure and categories contained in the balance sheet are in accordance with the EU Regulation on energy statistics.

3.5 Statistical unit

business entities that exploit geothermal heat/water

3.6 Statistical population

business entities that exploit and distribute geothermal water/heat

3.7 Reference area

Republic of North Macedonia

3.8 Time coverage

Since January 2005.

3.9 Base period**4 Unit of measure**

GJ, '000 toe.

5	Reference period
Month.	
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:</p> <p>Regulation (EC) No 1099/2008 of the European Parliament and of the Council</p> <p>Commission Regulation (EU) No 431/2014, amending Regulation (EC) No 1099/2008</p> <p>Energy Statistics Methodology, Eurostat, 1998</p> <p>Energy Statistics Manual, OECD/IEA/Eurostat, 2004</p> <p>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
<p>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/).</p> <p>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/).</p>	
7.2	Confidentiality - data treatment
<p>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/),</p>	

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)Release calendar

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

Month.

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

Not applicable (survey is with total coverage)..

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
There is geographical comparability of the released data at national level. With respect to geographical comparability with other EU countries, it is also ensured because data are collected in line with EU regulations.	
15.2	Comparability - over time
Time series since 2005 and there is no break in 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
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18.1	Source data
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reporting units

18.2	Frequency of data collection
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18.3	Data collection
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in to SSO through regional departments of statistics

18.4	Data validation
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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
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Editing: Received data from business subjects, after checking and eventual correction in consultations with reporting units, are entered on electronic media, over application with built-in online controles. Imputations: Monthly energy statistics are processed in accordance with scheme in Joint Questionnaires of IEA/Eurostat/UNECE.

18.6	Adjustment
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No data adjustment is made.

19	Comment
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A.1	Annexes
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