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Reference Metadata in ESMS 2.0 structure

## Statistical survey on business entities - producers and distributors of heat (monthly)

E\_ENE.6\_M\_EN\_2022\_12

### Reference Metadata in ESMS 2.0 structure

|  |                                  |
|--|----------------------------------|
| <b>1</b>   | <b>Contact</b>                   |
| <b>1.1</b>   | <b>Contact organisation</b>      |
| State Statistical Office   |                                  |
| <b>1.2</b>   | <b>Contact organisation unit</b> |
| Department for environmental statistics, energy and transport                          |                                  |
| <b>1.3</b>   | <b>Contact name</b>              |
| Stojna Maneva  |                                  |
| Gjurgjica Miloshevska  |                                  |
| <b>1.4</b>   | <b>Contact person function</b>   |
| Senior Associate   |                                  |
| <b>1.5</b>   | <b>Contact mail address</b>      |
| Dame Gruev 4, 1000 Skopje, Republic of Macedonia                                       |                                  |
| <b>1.6</b>   | <b>Contact email address</b>     |
| <a href="mailto:stojna.maneva@stat.gov.mk">stojna.maneva@stat.gov.mk</a>               |                                  |
| <a href="mailto:gjurgjica.milosevska@stat.gov.mk">gjurgjica.milosevska@stat.gov.mk</a> |                                  |

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|  |   |
|--|---|
| <b>1.7</b>   | <b>Contact phone number</b>                 |
| 00389 2 3295 750, 00389 2 3295 650   |   |
| <b>1.8</b>   | <b>Contact fax number</b>                   |
| 00389 2 3111 336   |   |
| <b>2</b>   | <b>Metadata update</b>                      |
| <b>2.1</b>   | <b>Metadata last certified</b>              |
| 28/12/2021   |   |
| <b>2.2</b>   | <b>Metadata last posted</b>                 |
| 28/12/2021   |   |
| <b>2.3</b>   | <b>Metadata last update</b>                 |
| 28/12/2021   |   |
| <b>3</b>   | <b>Statistical presentation</b>             |
| <b>3.1</b>   | <b>Data description</b>                     |
| Data on heat production.   |   |
| <b>3.2</b>   | <b>Classification system</b>                |
| National Classification of Activities - NKD.Rev.2; List of energy commodities and types of energy.   |   |
| <b>3.3</b>   | <b>Sector coverage</b>                      |
| Section D/Γ - Electricity, gas, steam and air conditioning supply, Class 35.30, according to NKD Rev.2.  |   |
| <b>3.4</b>   | <b>Statistical concepts and definitions</b> |
| Heat is produced in Main activity producer heat plants with burning of energy commodities and it is delivered to final consumer through distribution system. |   |
| <b>3.5</b>   | <b>Statistical unit</b>                     |

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Reporting units: business entities belonging to Section D; Class 35.30. Observation units: main activity producer heat plants that produce heat.

**3.6 Statistical population**

Heat and consumed fuel for heat production from business entities belonging to Section D; Class 35.30.

**3.7 Reference area**

Republic of North Macedonia

**3.8 Time coverage**

Since January 2005.

**3.9 Base period****4 Unit of measure**

MWh, '000toe.

**5 Reference period**

Month.

**6 Institutional mandate****6.1 Legal acts and other agreements**

**National: Law on State Statistics** ("Official Gazette of the Republic of Macedonia" No. 54/97, 21/07, 51/11, 104/13, 42/14, 192/15, 27/16, 83/18, 220/18 and 31/20) and **Programme of Statistical Surveys 2018-2022** ("Official Gazette of the Republic of Macedonia" No. 22/18 and 224/18).

### 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

## 7 Confidentiality

### 7.1 Confidentiality - policy

Individual data are protected by the Law on State Statistics. Data collected with statistical surveys from the reporting units or indirectly from administrative or other sources are confidential data and are used only for statistical purposes. Results from the statistical processing may also generate information considered as confidential, for example: anonymised individual data, tables with low level of aggregation, as well as unreleased data. The Policy on Statistical Confidentiality contains the basic principles used in the SSO.

### 7.2 Confidentiality - data treatment

All individual or personal data, in each phase of statistical processing, are treated as confidential data and may be used only for statistical purposes. When releasing data from this survey at an aggregated level, there is no need for additional data treatment for the purpose of ensuring confidentiality.

## 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

[http://www.stat.gov.mk/Kalendar\\_nov\\_en.aspx](http://www.stat.gov.mk/Kalendar_nov_en.aspx)

## 8.3 User access

In accordance with the dissemination policy, all users have equal access to statistical data at the same time. Data are released on the web site at the same time for all users, which are informed with the Release Calendar, and no user has privileged access.

## 9 Frequency of dissemination

Monthly.

## 10 Accessibility and clarity

### 10.1 News release

Monthly news release: "Energy"

[http://www.stat.gov.mk/PrikaziSoopstenie\\_en.aspx?rbtxt=117](http://www.stat.gov.mk/PrikaziSoopstenie_en.aspx?rbtxt=117)

### 10.2 Publications

### 10.3 On-line database

MAKStat database available on the State Statistical Office website.

<http://makstat.stat.gov.mk/PXWeb/pxweb/mk/MakStat/?rxid=46ee0f64-2992-4b45-a2d9-cb4e5f7ec5ef>

### 10.4 Micro-data access

According to the Law on State Statistics (Article 41) and the Policy on Access to Anonymised Microdata for scientific purposes, data collected for the purpose of official statistics may be used for scientific purposes if there is no risk of direct or indirect identification, i.e. disclosure of data individuality. Access to microdata is possible only in the safe room at the SSO, based on a submitted and approved request and a signed agreement. [http://www.stat.gov.mk/ZaNas\\_en.aspx?id=22](http://www.stat.gov.mk/ZaNas_en.aspx?id=22)

### 10.5 Other

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|   |                                     |
|---|-------------------------------------|
| <b>10.6</b>   | <b>Documentation on methodology</b> |
| The methodological explanations are available on the State Statistical Office website.<br><a href="http://www.stat.gov.mk/MetodoloskiObjasSoop_en.aspx?id=64&amp;rbrObl=21">http://www.stat.gov.mk/MetodoloskiObjasSoop_en.aspx?id=64&amp;rbrObl=21</a>   |                                     |
| <b>10.7</b>   | <b>Quality documentation</b>        |
| <b>11</b>   | <b>Quality management</b>           |
| <b>11.1</b>   | <b>Quality assurance</b>            |
| The commitment of the SSO to ensuring quality of products and services is described in the Law on State Statistics, the Strategy of the State Statistical Office ( <a href="http://www.stat.gov.mk/ZaNas_en.aspx?id=6">http://www.stat.gov.mk/ZaNas_en.aspx?id=6</a> ) and the Quality Policy of the State Statistical Office ( <a href="http://www.stat.gov.mk/pdf/Politika_za_kvalitet_en.pdf">http://www.stat.gov.mk/pdf/Politika_za_kvalitet_en.pdf</a> ), as well as in the continuous efforts for harmonisation with the European Statistics Code of Practice. The main aspects and procedures for quality management in the phases and sub-phases of the Statistical Business Process Model, as well as the good practices for ensuring quality are documented in the internal document called "Guide for ensuring quality of statistical processes". Input and output metadata, as well as relevant quality indicators for certain sub-processes are described in the document "Guide for survey managers". |                                     |
| <b>11.2</b>   | <b>Quality assessment</b>           |
| <b>12</b>   | <b>Relevance</b>                    |
| <b>12.1</b>   | <b>User needs</b>                   |
| The data are used by governmental and scientific institutions, as well as by business community for : preparation of planned balances for next year, for 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  |                                     |
| <b>12.2</b>   | <b>User satisfaction</b>            |
| The State Statistical Office conducts the User Satisfaction Survey at the domain level. This Survey is conducted every three years and the last one was in 2015. <a href="http://www.stat.gov.mk/Dokumenti/izvestai/IzvestajAnketaZadovNaKorisnici2015_en.pdf">http://www.stat.gov.mk/Dokumenti/izvestai/IzvestajAnketaZadovNaKorisnici2015_en.pdf</a>  |                                     |
| <b>12.3</b>   | <b>Completeness</b>                 |

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Concerning the indicators required by the Regulation (EC) No. 1099/2008, the SSO provides about 100 %.

### 13 Accuracy and reliability

#### 13.1 Overall accuracy

Data accuracy is ensured by working on decreasing sampling and/or non-sampling errors, as well as with additional data comparisons and analysis before dissemination.

#### 13.2 Sampling error

Not applicable (survey is with total coverage).

#### 13.3 Non-sampling error

Coverage errors: 100% coverage is provided. Data providers, on time are reminded to fulfill its obligations. 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

Data are disseminated within the established deadlines in accordance with the 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

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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

In accordance with the Statistical Data Revision Policy.

[Revision policy](#).

##### 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 survey on business entities producers and distributors of heat "" (ENE.6) is fill in by business subjects that belong to Section D; Class 35.30. Updating of the coverage is carried out annually."

##### 18.2 Frequency of data collection

Monthly.

##### 18.3 Data collection

"Data for heat producer and distributors are collected with statistical survey "" Monthly survey on business subjects producers and distributors of heat"" (ENE.6). Business subjects fill in data in statistical survey and submit by mail to SSO at latest 25 days from the referent period."

##### 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**

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**

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