

...

Reference Metadata in ESMS 2.0 structure

# Statistical survey on autoproducer thermal power plants and CHP plants (monthly)

E\_ENE.3\_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>
Gjurgjica Miloshevaska Stojna Maneva	
<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 North Macedonia	
<b>1.6</b>	<b>Contact email address</b>

State Statistical Office

Reference Metadata in ESMS 2.0 structure

[gjurgica.milosevska@stat.gov.mk](mailto:gjurgica.milosevska@stat.gov.mk)[stojna.maneva@stat.gov.mk](mailto:stojna.maneva@stat.gov.mk)**1.7 Contact phone number**

+3892 3295-650

+3892 3295-750

**1.8 Contact fax number**

+3892 3111336

**2 Metadata update****2.1 Metadata last certified**

17/01/2022

**2.2 Metadata last posted**

17/01/2022

**2.3 Metadata last update**

17/01/2022

**3 Statistical presentation****3.1 Data description**

Reference Metadata in ESMS 2.0 structure

- Total gross generation: Autoprod. thermal power stations and CHP plants
- Total net generation: Autoprod. thermal power stations and CHP plants
- Share of energy commodities in total gross electricity production
- Transformation input
- Transformation input: Autoprod. thermal power stations and CHP plants

### 3.2 Classification system

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

### 3.3 Sector coverage

Scope of Section:

D - Electricity, gas, steam and air conditioning supply; class 35.11, according to NKD Rev.2.

### 3.4 Statistical concepts and definitions

**Autoproducer thermal power stations** are plants for combined production of electricity and heat.

**CHP plants** are combined heat and power plants, which produce both heat and electricity intended for sale.

**Total gross electricity production** covers gross electricity production in all types of power plants. Total gross electricity production at plant level is defined as electricity measured at the outlet of the main transformers including the amount of electricity used for own consumption during the production process.

**Total net electricity production** is the difference of the total gross production and own use electricity consumption during production process.

**Transformation input** includes energy commodities consumed for transformation into another energy form (Heat and Electricity).

### 3.5 Statistical unit

Business entities

State Statistical Office

Reference Metadata in ESMS 2.0 structure

<b>3.6</b>	<b>Statistical population</b>
Business entities producers of electricity belonging to Section: D (class 35.11).	
<b>3.7</b>	<b>Reference area</b>
NUTS 1 and 2 (Republic of North Macedonia)	
<b>3.8</b>	<b>Time coverage</b>
Since January 2005 onwards.	
<b>3.9</b>	<b>Base period</b>
Not applicable.	
<b>4</b>	<b>Unit of measure</b>
MWh.	
<b>5</b>	<b>Reference period</b>
Month.	
<b>6</b>	<b>Institutional mandate</b>
<b>6.1</b>	<b>Legal acts and other agreements</b>

**National:**

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.gov.mk/ZakonZaStatistika\\_en.aspx](https://www.stat.gov.mk/ZakonZaStatistika_en.aspx))

Programme of Statistical Surveys 2018-2022 ("Official Gazette of RM" No. 22/18, 224/18 and "Official Gazette of the Republic of North Macedonia" No. 18/20 and 300/20.) ([https://www.stat.gov.mk/ZaNas\\_en.aspx?id=8](https://www.stat.gov.mk/ZaNas_en.aspx?id=8))

**European and 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 via questionnaire Electricity (M-3),

**7 Confidentiality****7.1 Confidentiality - policy**

1. The protection of individual data is regulated by the Law on State Statistics ([https://www.stat.gov.mk/ZakonZaStatistika\\_en.aspx](https://www.stat.gov.mk/ZakonZaStatistika_en.aspx)).
2. The basic principles and activities undertaken to ensure data confidentiality are described in the Policy on Statistical Confidentiality

**7.2 Confidentiality - data treatment**

Pursuant to Article 38 of the Law on State Statistics ([https://www.stat.gov.mk/ZakonZaStatistika\\_en.aspx](https://www.stat.gov.mk/ZakonZaStatistika_en.aspx)) and the Policy on Statistical Confidentiality (<https://www.stat.gov.mk/pdf/PolicyOnStatisticalConfidentiality.pdf>), 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**

The date of data publication is determined in the Advance Release Calendar, which is updated quarterly.

Reference Metadata in ESMS 2.0 structure

<b>8.2</b>	<b>Release calendar access</b>
<a href="http://www.stat.gov.mk/Kalendar_nov.aspx">http://www.stat.gov.mk/Kalendar_nov.aspx</a>	
<b>8.3</b>	<b>User access</b>
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.	
<b>9</b>	<b>Frequency of dissemination</b>
Monthly.	
<b>10</b>	<b>Accessibility and clarity</b>
<b>10.1</b>	<b>News release</b>
Monthly news release: " <u>Energy</u> ."	
<b>10.2</b>	<b>Publications</b>
Not applicable.	
<b>10.3</b>	<b>On-line database</b>
<a href="#">MAKSTAT database</a> available on web page on SSO.	
<b>10.4</b>	<b>Micro-data access</b>
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" ( <a href="https://www.stat.gov.mk/ZaNas_en.aspx?id=22">https://www.stat.gov.mk/ZaNas_en.aspx?id=22</a> ).	
<b>10.5</b>	<b>Other</b>
Survey data are sent to Eurostat and they are released on the web site of this institution.	
<b>10.6</b>	<b>Documentation on methodology</b>

The methodological explanations are available on the State Statistical Office website.

[http://www.stat.gov.mk/MetodoloskiObjasSoop\\_en.aspx?id=117&rbrObl=21](http://www.stat.gov.mk/MetodoloskiObjasSoop_en.aspx?id=117&rbrObl=21)

## 10.7 Quality documentation

Not available.

## 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.gov.mk/ZaNas\\_en.aspx?id=2](https://www.stat.gov.mk/ZaNas_en.aspx?id=2)) 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.gov.mk/ZakonZaStatistika\\_en.aspx](https://www.stat.gov.mk/ZakonZaStatistika_en.aspx)).

### 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 the 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 at 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.

Reference Metadata in ESMS 2.0 structure

<b>12.3</b>	<b>Completeness</b>
Concerning the indicators required by the Regulation (EC) No. 1099/2008, the SSO provides all of them.	
<b>13</b>	<b>Accuracy and reliability</b>
<b>13.1</b>	<b>Overall accuracy</b>
The survey methodology and the data collection method ensure good coverage and accuracy of the data.	
<b>13.2</b>	<b>Sampling error</b>
Not applicable .	
<b>13.3</b>	<b>Non-sampling error</b>
<b>14</b>	<b>Timeliness and punctuality</b>
<b>14.1</b>	<b>Timeliness</b>
Preliminary data are published 55 days after the end of the reference month (T + 55)	
<b>14.2</b>	<b>Punctuality</b>
Data are disseminated within the established deadlines in accordance with the Release Calendar.	
<b>15</b>	<b>Coherence and comparability</b>
<b>15.1</b>	<b>Comparability - geographical</b>
Data are released at national level. Comparability is ensured at international level.	
<b>15.2</b>	<b>Comparability - over time</b>
Since 2005 there is no gap in the time series.	
<b>15.3</b>	<b>Coherence - cross domain</b>



Reference Metadata in ESMS 2.0 structure

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

It is not calculated

#### 17 Data revision

##### 17.1 Data revision - policy

Data revision is made in accordance with the [Statistical Data Revision Policy](#).

##### 17.2 Data revision - practice

Data are published as preliminary and final (revised) data.

#### 18 Statistical processing

##### 18.1 Source data

The statistical survey is completed by business entities that belonging to Section: D - Electricity, gas, steam and air conditioning supply (class 35.11).

Updating of the coverage is carried out annually.

##### 18.2 Frequency of data collection

Monthly.

##### 18.3 Data collection

Data on Autoprod. thermal power stations and CHP plants are collected by the statistical survey " Monthly survey on Autoprod. thermal power stations and CHP plants " (ENE.3). Business entities fill in data and send the completed forms to the SSO, at latest 25 days from the end of the reference period.

##### 18.4 Data validation

State Statistical Office

Reference Metadata in ESMS 2.0 structure

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 the scheme in the Joint Questionnaires of IEA/Eurostat/UNECE.

**18.6 Adjustment**

No data adjustment is made.

**19 Comment****A.1 Annexes**

State Statistical Office