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Reference Metadata in ESMS 2.0 structure

Statistical survey on autoproducer thermal power plants and CHP plants (annual)

E_ENE.53_A_EN_2021_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
Senior Associate	
1.5	Contact mail address
Dame Gruev 4, 1000 Skopje, Republic of North Macedonia	
1.6	Contact email address
gjurgjica.milosevska@stat.gov.mk stojna.maneva@stat.gov.mk	

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1.7	Contact phone number
+38923295-650	
+38923295-750	
1.8	Contact fax number
+38923111336	
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
<ul style="list-style-type: none"> - Transformation input - Transformation input: Autoprod. thermal power stations and CHP plants - Transformation output - Transformation output: Autoprod. thermal power stations and CHP plants 	
3.2	Classification system
<ul style="list-style-type: none"> - National Classification of Activities NKD. Rev.2 - List of energy commodities and types of energy 	

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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
<p>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.</p> <p>Transformation input includes energy commodities consumed for transformation into another energy form (Heat and Electricity). Transformation output includes production of transformed energy forms (thermal electricity, petrol products and heat energy).</p>	
3.5	Statistical unit
Business entities.	
3.6	Statistical population
Business entities producers of electricity belonging to Section: D (class 35.11).	
3.7	Reference area
NUTS 1 and 2 (Republic of North Macedonia)	
3.8	Time coverage
Since 1998 year onwards.	
3.9	Base period
Not applicable.	
4	Unit of measure
MWh.	
5	Reference period

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Year.	
6	Institutional mandate
6.1	Legal acts and other agreements
<p>National:</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.gov.mk/ZakonZaStatistika_en.aspx)</p> <p>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)</p> <p>European and international:</p> <p>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 transmitted to Eurostat via Joint questionnaire 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.gov.mk/ZakonZaStatistika_en.aspx).</p> <p>2. The basic principles and activities undertaken to ensure data confidentiality are described in the Policy on Statistical Confidentiality</p>	
7.2	Confidentiality - data treatment

Pursuant to Article 38 of the Law on State Statistics (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.

8.2 Release calendar access

http://www.stat.gov.mk/Kalendar_nov.aspx

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

Annual news release: "[Energy balances](#)".

10.2 Publications

Not applicable.

10.3 On-line database

[MAKSTAT database](#) available on web page on SSO.

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.gov.mk/ZaNas_en.aspx?id=22).

10.5 Other

Survey data are sent to Eurostat and they are released on the web site of this institution.

10.6 Documentation on methodology

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

http://www.stat.gov.mk/MetodoloskiObjasSoop_en.aspx?id=117&rbrObl=21

10.7 Quality documentation

Not produced.

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) 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).

11.2 Quality assessment

State Statistical Office realized statistical activities in accordance with Statistical business proces model, which is based on international model - Generic Statistical Business Process Model-GSBPM. Implementation of this model, as well as implementation of international standard in statistical production provide high accuracy level and data comparability.

12 Relevance

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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 <u>User Satisfaction Survey</u> every three years.	
12.3	Completeness
Concerning the indicators required by the Regulation (EC) No. 1099/2008, the SSO provides all of them.	
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
14	Timeliness and punctuality
14.1	Timeliness
Preliminary data are published 290 days after the end of the reference month (T + 290)	
14.2	Punctuality
Data are disseminated within the established deadlines in accordance with the Release Calendar.	

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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.	
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
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.	

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18.2	Frequency of data collection
Annually.	
18.3	Data collection
Data on Autoprod. thermal power stations and CHP plants are collected by the statistical survey " Annually survey on Autoprod. thermal power stations and CHP plants " (ENE.53). Business entities fill in data and send the completed forms to the SSO, at latest 105 days from the end of the 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 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