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Reference Metadata in ESMS 2.0 structure

Statistical survey on electricity (annual)

E_ENE.65_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
Stojna Maneva	
Gjurgjica Miloshevska	
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
stojna.maneva@stat.gov.mk	
gjurgjica.milosevska@stat.gov.mk	

State Statistical Office

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1.7	Contact phone number
	3295-650 3295-750
1.8	Contact fax number
2	Metadata update
2.1	Metadata last certified
	21/01/2022
2.2	Metadata last posted
	21/01/2022
2.3	Metadata last update
	21/01/2022
3	Statistical presentation
3.1	Data description
	<ul style="list-style-type: none"> - Import of electricity - Export of electricity - Distribution losses of electricity
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
3.3	Sector coverage

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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

Import/Export represents the quantity that entered/left the national territory.

Losses include all losses due to transmission and distribution of energy (natural gas, electricity, etc.).

3.5 Statistical unit

Reporting units: Business entities belonging to Section: D (class 35.11) in accordance with NKD Rev.2.

Observation units: Business entities that are the main holders of the electricity and energy system of the Republic of North Macedonia

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.

3.9 Base period

4 Unit of measure

MWh, 000' toe.

5 Reference period

Year.

6 Institutional mandate

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6.1	Legal acts and other agreements
<p>National: <u>Law on State Statistics</u> ("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 <u>Programme of Statistical Surveys 2018-2022</u> ("Official Gazette of the Republic of Macedonia" No. 22/18 and 224/18).</p> <p>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</p>	
6.2	Data sharing
Data are transmitted to Eurostat via Joint Questionnaires of IEA/Eurostat/UNECE.	
7	Confidentiality
7.1	Confidentiality - policy
Individual data are protected by the <u>Law on State Statistics</u> . 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 <u>Policy on Statistical Confidentiality</u> 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.	

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8.2	Release calendar access
<u>Advance release calendar</u>	
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
Yearly.	
10	Accessibility and clarity
10.1	News release
Annual news release: " <u>Energy balances</u> ".	
10.2	Publications
Not applicable. Survey data are not published in publication.	
10.3	On-line database
<u>MAKSTAT database</u> available on web page on SSO.	
10.4	Micro-data access
According to the <u>Law on State Statistics (Article 41)</u> 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	
10.5	Other
Survey data are sent to Eurostat and they are released on the web site of this institution.	

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10.6	Documentation on methodology
<p><u>Methodological explanations</u> are published on web page of SSO.</p>	
10.7	Quality documentation
<p>https://ec.europa.eu/eurostat/documents/38154/4956233/Quality_report_EU_energy_statistics-2017_edition.pdf/0ec98467-7d02-4d2e-9c6c-ddbf50dea672</p>	
11	Quality management
11.1	Quality assurance
<p>The commitment of the SSO to ensuring quality of products and services is described in the Law on State Statistics, the <u>Strategy of the State Statistical Office</u> and the <u>Quality Policy of the State Statistical Office</u>, 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".</p>	
11.2	Quality assessment
<p>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.</p>	
12	Relevance
12.1	User needs
<p>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.</p>	
12.2	User satisfaction

The State Statistical Office conducts the User Satisfaction Survey at the domain level.

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

Data accuracy is ensured by working on decreasing 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. 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

The time delay of the first results is 290 days after the end of the reference year (T + 290).

Time delay on final results for producers are = 655 days.

14.2 Punctuality

The data are published on the day, which is determined (announced) in the Advanced 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 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

Revision of data is 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

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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

Yearly.

18.3 Data collection

Data on electricity are collected by the statistical survey " Annual survey on electricity" (ENE.65). 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

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: Energy balances 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