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Reference Metadata in ESMS 2.0 structure

## Statistical survey on consumption of energy commodities and types of energy in business entities (annual)

E\_ENE.63\_A\_EN\_2021\_1

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<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>
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Stojna Maneva	
<b>1.4</b>	<b>Contact person function</b>
Senior Associate	
<b>1.5</b>	<b>Contact mail address</b>
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<b>1.6</b>	<b>Contact email address</b>

State Statistical Office

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3295-650

3295-750

**1.8 Contact fax number****2 Metadata update****2.1 Metadata last certified**

17/01/2022

**2.2 Metadata last posted**

17/01/2022

**2.3 Metadata last update**

18/01/2017

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

Data consumption of energy products in Sections: B; C; D and F, in accordance with NKD Rev.2.

**3.2 Classification system**

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

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<b>3.3</b>	<b>Sector coverage</b>
Sections: B - Mining and quarrying; C - Manufacturing; D - Electricity, Gas, steam and air conditioning supply, F - Construction, according to NKD Rev.2.	
<b>3.4</b>	<b>Statistical concepts and definitions</b>
<p>Import/Export represents the quantity that entered/left the national territory. Transformation input includes energy commodities consumed for transformation into another energy form (Heat and Electricity). Exchanges and transfers, returns represent transfer of produced Petroleum Products for further production or transfer of electricity gross production from renewable sources. Losses include all losses due to transmission and distribution of energy (natural gas, electrical energy, geothermal heat, derived heat). Available for final consumption is energy available to final consumers. Gross national electricity consumption is the sum of net electricity import and gross national electricity production. Energy dependency is produced as ratio between the net-import of energy and the gross inland consumption. Energy intensity represents the ratio between the gross inland consumption of energy and the gross domestic product (GDP) in Euros with reference year 2005. Tonne of oil equivalent (toe) is a conventional standardized unit defined on the basis of a tonne of oil with a net calorific value of 41868 kilojoules/kg.</p>	
<b>3.5</b>	<b>Statistical unit</b>
Statistical units: business entities belonging to Sections: B - Mining and quarrying; C - Manufacturing; D - Electricity, Gas, steam and air conditioning supply and F - Construction, in accordance with NKD Rev.2.	
<b>3.6</b>	<b>Statistical population</b>
Consumed energy products from business entities belonging to Sections: B - Mining and quarrying; C - Manufacturing; D - Electricity, Gas, steam and air conditioning supply and F - Construction, in accordance with NKD Rev.2.	
<b>3.7</b>	<b>Reference area</b>
Republic of North Macedonia	
<b>3.8</b>	<b>Time coverage</b>
Since 1998 year.	
<b>3.9</b>	<b>Base period</b>
<b>4</b>	<b>Unit of measure</b>
tonnes, 000'toe.	

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<b>5</b>	<b>Reference period</b>
Year.	
<b>6</b>	<b>Institutional mandate</b>
<b>6.1</b>	<b>Legal acts and other agreements</b>
<p><b>National:</b> <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><b>International:</b> 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>	
<b>6.2</b>	<b>Data sharing</b>
Data are submitted in IEA/Eurostat/UNECE with joint questionnaire JQ IEA - Eurostat - UNECE.	
<b>7</b>	<b>Confidentiality</b>
<b>7.1</b>	<b>Confidentiality - policy</b>
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.	
<b>7.2</b>	<b>Confidentiality - data treatment</b>
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.	
<b>8</b>	<b>Release policy</b>

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<b>8.1</b>	<b>Release calendar</b>
Data are released in accordance with the Release Calendar, which is published on the web site of the State Statistical Office.	
<b>8.2</b>	<b>Release calendar access</b>
<u>Advance release calendar</u>	
<b>8.3</b>	<b>User access</b>
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.	
<b>9</b>	<b>Frequency of dissemination</b>
Annually.	
<b>10</b>	<b>Accessibility and clarity</b>
<b>10.1</b>	<b>News release</b>
Annual news release: " <u>Energy balances</u> ".	
<b>10.2</b>	<b>Publications</b>
Statistical review: <u>Energy consumption in households</u> ,	
<b>10.3</b>	<b>On-line database</b>
<u>MAKSTAT database</u> available on web page on SSO.	
<b>10.4</b>	<b>Micro-data access</b>

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

## 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

[Methodological explanations](#) are published on web page of SSO.

## 10.7 Quality documentation

# 11 Quality management

## 11.1 Quality assurance

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](#) and the [Quality Policy of the State Statistical Office](#), 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".

## 11.2 Quality assessment

# 12 Relevance

## 12.1 User needs

The data are used by governmental and scientific institutions, as well as by business community for: preparation of planned balance for next year, 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.

## 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 about 95%.

## 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

The survey is not conducted on a randomly selected sample and therefore there is no calculation of sampling errors.

### 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+290.

### 14.2 Punctuality

Data are disseminated within the established deadlines in accordance with the Release Calendar.

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<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 1998 there is no gap in the time series. The number of reference periods in the time series is 18.
<b>15.3</b>	<b>Coherence - cross domain</b>
	Data are coherent between different parts of energy statistics. Cross-domain coherence is ensured in part.
<b>15.4</b>	<b>Coherence - internal</b>
	Internal coherence of data is ensured.
<b>16</b>	<b>Cost and burden</b>
<b>17</b>	<b>Data revision</b>
<b>17.1</b>	<b>Data revision - policy</b>
	Revision of data is in accordance with the <a href="#">Statistical Data Revision Policy</a> .
<b>17.2</b>	<b>Data revision - practice</b>
	Data are published as preliminary and final (revised) data. Data were revised in 2016 for the period 2005-2014. In revised energy balances are implemented results from the Survey on energy consumption in households, 2014.
<b>18</b>	<b>Statistical processing</b>
<b>18.1</b>	<b>Source data</b>



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This statistical survey is based on a sample. Statistical survey "Annual survey for energy commodities and types of energies consumption in business entities" (ENE.63) is filled in by business entities that belong to Sections: B - Mining and quarrying; C - Manufacturing; D - Electricity, Gas, steam and air conditioning supply and F - Construction. Updating of the sample is carried out annually.

## 18.2 Frequency of data collection

Annually.

## 18.3 Data collection

"Data on consumption of energy commodities are collected by the statistical survey ""Annual survey on consumption of energy commodities and types of energies in business entities"" (ENE.63). Business entities fill in data and send the completed forms to the SSO, at latest 130 days from the end of 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 business entities, after verification and correction in consultation with the reporting units, are entered in an electronic application with integrated on-line controls. Imputations: Balances by energy products and energy balances 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

State Statistical Office