

Reference Metadata in ESMS 2.0 structure

# Statistical survey on compulsory reserves and commodity reserves (annual)

E\_ENE.60A\_A\_EN\_2024\_1

## 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>
advisor	
<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>	
<b>1.7</b>	<b>Contact phone number</b>
00389 2 3295 637	
00389 2 3295 737	

<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>
27/05/2025	
<b>2.2</b>	<b>Metadata last posted</b>
27/05/2025	
<b>2.3</b>	<b>Metadata last update</b>
27/05/2025	
<b>3</b>	<b>Statistical presentation</b>
<b>3.1</b>	<b>Data description</b>
Data on petrol products (production, stocks, calorific values etc.) that are produced in refineries.	
<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 C - Manufacturing; Class 19.20 - Manufacture of refined petroleum products, according to NKD Rev.2.	
<b>3.4</b>	<b>Statistical concepts and definitions</b>
<p>"Crude oil is a mineral oil of natural origin comprising a mixture of hydrocarbons and associated impurities, such as sulphur. It exists in liquid phase under normal surface temperature and pressure and its physical characteristics (density, viscosity, etc.) are highly variable. In "Energy balances" oil products are grouped on: Motor Spirit = Unleaded Motor Gasoline + Leaded Motor Gasoline + Aviation Gasoline Since, 2012, part of exported Kerosene consumed on domestic airports for international air transport is included in final consumption, in Air transport category Other Petroleum Products = White and Industrial Spirit + Lubricants + Bitumen + Paraffin Waxes + Other Petroleum Products."</p>	
<b>3.5</b>	<b>Statistical unit</b>
Reporting units: business entities belonging to Section C - Manufacturing; Class 19.20 - Manufacture of refined petroleum products, in accordance with NKD Rev.2. Observation units: refineries.	
<b>3.6</b>	<b>Statistical population</b>
Petroleum products produced in business entities belonging to Section C - Manufacturing; Class 19.20 - Manufacture of refined petroleum products, 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>
data are received on annual basis	
<b>4</b>	<b>Unit of measure</b>
tonnes, 000' toe.	
<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>NATIONAL LEGISLATION</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) ( <a href="https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/">https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/</a>).</p> <p>Programme of Statistical Surveys 2023-2027 ("Official Gazette of the Republic of North Macedonia" No. 29/23 and 57/25) ( <a href="https://www.stat.mk/en/about-us/legal-acts/program-for-statistical-surveys/">https://www.stat.mk/en/about-us/legal-acts/program-for-statistical-surveys/</a> )</p> <p><b>International:</b></p> <p>Regulation (EC) No 1099/2008 of the European Parliament and of the Council</p> <p>Commission Regulation (EU) No 431/2014, amending Regulation (EC) No 1099/2008</p> <p>Energy Statistics Methodology, Eurostat, 1998</p> <p>Energy Statistics Manual, OECD/IEA/Eurostat, 2004</p> <p>SHARES (SHort Assessment of Renewable Energy Sources) Tool Manual, Eurostat, 2015</p>	
<b>6.2</b>	<b>Data sharing</b>
Data are transmitted to IEA/Eurostat/UNECE with joint questionnaire JQ IEA - Eurostat - UNECE.	
<b>7</b>	<b>Confidentiality</b>
<b>7.1</b>	<b>Confidentiality - policy</b>
<p>1. The protection of individual data is regulated by the Law on State Statistics ( <a href="https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/">https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/</a> ).</p> <p>2. The basic principles and activities undertaken to ensure data confidentiality are described in the Policy on Statistical Confidentiality</p>	

( <https://www.stat.mk/en/about-us/policies-and-strategies/policy-on-statistical-confidentiality/> ).

## 7.2 Confidentiality - data treatment

Pursuant to Article 38 of the Law on State Statistics ( <https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/> ) and the Policy on Statistical Confidentiality ( <https://www.stat.mk/en/about-us/policies-and-strategies/policy-on-statistical-confidentiality/> ), 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

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

<https://www.stat.mk/en/publishing-calendar/#/>

### 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

News Releases are published and they are available on the website of the SSO in the section: "News Releases" ( <https://www.stat.mk/en/all-new-releases> ),

### 10.2 Publications

Statistical review: [Energy consumption in households](#) ,

Statistical Yearbook (link: [https://www.stat.gov.mk/PrikaziPublikacija\\_1\\_en.aspx?rbr=915](https://www.stat.gov.mk/PrikaziPublikacija_1_en.aspx?rbr=915)).

### 10.3 On-line database

<https://makstat.stat.gov.mk/PXWeb/pxweb/en/MakStat/>

### 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.mk/en/about-us/procedures/rules-for-access-to-anonymised-microdata-for-research-purposes/> ).

## 10.5 Other

At the request of users, data are also prepared in a form according to their needs.

## 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

Starting from 2009, the State Statistical Office conducts a User Satisfaction Survey every three years.

## 12.3 Completeness

Concerning the indicators required by the Regulation (EC) No. 1099/2008, the SSO provides about 95%.

<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 (survey is with total coverage).	
<b>13.3</b>	<b>Non-sampling error</b>
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.	
<b>14</b>	<b>Timeliness and punctuality</b>
<b>14.1</b>	<b>Timeliness</b>
T+290.	
<b>14.2</b>	<b>Punctuality</b>
The data are published on the day announced in the Advance 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 1998 there is no gap in the time series.	
<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>

Data revision is made in accordance with the Statistical Data Revision Policy of the SSO:  
(<https://www.stat.mk/en/about-us/policies-and-strategies/data-revision/>) .

## **17.2 Data revision - practice**

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.

## **18 Statistical processing**

### **18.1 Source data**

"This statistical survey is with full coverage. Statistical survey ""Annual survey on refineries and manufacturers of oil and oil products"" (ENE.60) is fill in by business entities that belong to Section C - Manufacturing; Class 19.20 - Manufacture of refined petroleum products. UUpdating of the coverage is carried out annually."

### **18.2 Frequency of data collection**

Annually.

### **18.3 Data collection**

Data on refineries and manufacturers are collected with statistical survey "Annual survey on refineries and manufacturers of oil and oil products" (ENE.60). 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 businesses 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**