



Agency for Strategic planning
and reforms of the
Republic of Kazakhstan
Bureau of National statistics

Quality report

*Fuel and energy balance of the Republic of
Kazakhstan*

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S.1 Contact details

S.1.1 Organization

Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan

S.1.2 Structural subdivision

Department of Services and Energy Statistics

S.1.3 Name of contact person

Shayakhmetova Dinara Alibekovna

S.1.3.1 Name of the head of the responsible structural unit

Karaulova Gulmira Sailaubekovna

S.1.5 Postal address of the contact person

010000, Kazakhstan, Nur-Sultan city, Left bank of the Ishim river, Mangilik el street, 8

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S.1.6 E-mail address of the contact person

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S. 1.7 Telephone number of the contact person

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S. 2 Introduction-Relevance

National statistical observation of the country's fuel and energy balance. Organized with the aim of forming the main indicators characterizing the balance of fuel and energy resources in the Republic of Kazakhstan. The data of the fuel and energy balance are formed on an annual basis (in the context of regions). In the Committee on Statistics of the Ministry of National Economy of the Republic of Kazakhstan, meetings of working groups (focus groups) are held, with the participation of potential users and respondents, representatives of interested government agencies, at which indicators of national statistical forms are analyzed in detail for the relevance and elimination of duplication with indicators of departmental statistical forms and forms of administrative data. Feedback from users is carried out through the blog of the Minister of National Economy of the Republic of Kazakhstan on the website of the Ministry of National Economy of the Republic of Kazakhstan.

S.3 Updating metadata

S.3.1 Latest confirmation of updated metadata

S.3.2 Latest placement of metadata

S.3.3 Latest metadata update

S.4 Presentation of statistical information

S.4.1 Description of data

- 1) Consumption of fuel and energy resources in tons of fuel equivalent;
- 2) Share of electricity generated by renewable energy sources in total electricity production

S.4.2 Classification system

- 1) KATO - Classifier of administrative-territorial objects;
- 2) MKEI - Classifier of units of measurement;
- 3) OKED - General classifier of economic activities.
- 4) TNVED EAEU - Commodity nomenclature of foreign economic activity of the EAEU.

S. 4.3 Sectoral coverage

They are represented by legal entities and (or) their structural and separate divisions, regardless of the type of economic activity, which are suppliers and consumers of fuel and energy.

S.4.4 Statistical concepts and definitions

1. Circle of respondents: Representatives of legal entities and (or) their structural and separate subdivisions, regardless of the type of economic activity, which are suppliers and consumers of fuel and energy.
2. Data collection tools: statistical form "Fuel and energy balance" (code 301112160, index 1-TEB, annual frequency).

The statistical form is available on the website of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz in the section For respondents - Statistical forms for 2019 - Annual forms.

3. Submission deadline: March 25 (inclusive) after the reporting period. Submission of this statistical form is carried out on paper or electronically. Filling out the statistical form in electronic form is carried out through the information system "Data collection in on-line mode" posted on the Internet resource Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan (www.stat.gov.kz - Home - Respondent's Cabinet).

4. Observation type: solid.

5. Definitions:

1) renewable energy sources - energy sources that are continuously renewable due to naturally occurring natural processes, including the following types: solar radiation energy, wind energy, hydrodynamic water energy; geothermal energy: heat of soil, groundwater, rivers, reservoirs, as well as anthropogenic sources of primary energy resources: biomass, biogas and other fuels from organic waste used for the production of electrical and (or) thermal energy;

- 2) fuel and energy balance - a system of indicators reflecting the full quantitative correspondence between income and consumption (including losses and balance) as a whole or in its individual sections (industry, region, enterprise, workshop, process, installation) for a selected time interval;
- 3) the calorific value of the fuel is the total heat generated during its combustion.

S.4.5 Statistical object

The statistical object is legal entities and (or) their structural and separate subdivisions, regardless of the type of economic activity, which are suppliers and consumers of fuel and energy.

S.4.6 General population (principle of selection of survey units)

Unacceptable

S.4.7 Territorial coverage

Republic of Kazakhstan (all regions, cities of republican significance and the capital)

S.4.8 Time coverage

In Kazakhstan, a survey of the fuel and energy balance has been carried out since 1999 on an annual basis.

S.4.9 Base period

The base period is the year preceding the survey year.

S.5 Unit of measurement

Ton (metric)

S.6 Reporting period

year

S.7 Legal basis

S.7.1 Legal framework

1. Law of the Republic of Kazakhstan dated March 19, 2010 No. 257-IV "On state statistics".
2. Rules for the provision of primary statistical data by respondents, approved by order of the Chairman of the Agency of the Republic of Kazakhstan on statistics dated July 9, 2010 No. 173.
3. Rules for the submission of administrative data by administrative sources on a gratuitous basis, approved by order of the acting Chairman of the Agency of the Republic of Kazakhstan on Statistics dated July 14, 2010 No. 183.
4. The plan of statistical work, approved in accordance with the established legislative procedure of the Republic of Kazakhstan by the Order of the Minister of National Economy of the Republic of Kazakhstan.

5. Schedule for the dissemination of official statistical information, approved by the Order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan.
6. Rules for the provision of statistical information on a gratuitous basis that is not provided for by the schedule for the dissemination of official statistical information and developed on the basis of primary statistical data submitted by respondents in accordance with the schedule for submitting primary statistical data by respondents, approved by order of the Chairman of the Agency of the Republic of Kazakhstan on Statistics of May 20, 2010 No. 113.
7. Rules for the provision and use for scientific purposes of databases in a de-identified form, approved by order of the Chairman of the Agency of the Republic of Kazakhstan on statistics dated July 2, 2010 No. 168. Registered with the Ministry of Justice of the Republic of Kazakhstan on August 13, 2010 No. 6388.

8) The methodology for the formation of the fuel and energy balance and the calculation of individual statistical indicators characterizing the energy sector was approved by order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan No. 160 dated August 11, 2016, registered by the Ministry of Justice of the Republic of Kazakhstan No. 14230 dated 09/13/2016

S.8 Privacy and data protection

S.8.1 Privacy Policy

1. Article 8 of the Law of the Republic of Kazakhstan dated March 19, 2010 "On State Statistics", in accordance with which a guarantee of confidentiality and protection of the submitted data by respondents is ensured.
2. Article 28 of the Entrepreneurial Code of the Republic of Kazakhstan dated October 29, 2015 ensures the protection of information constituting a commercial secret.
3. Information security policy (hereinafter referred to as the Policy) approved by the Order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated October 31, 2016 No. 252 defines the goals, objectives, guidelines and practical techniques in the field of ensuring information security of the Committee. The main goal of the Policy is to ensure the availability of official statistical information, confidentiality of information stored and processed on the computer equipment of the Committee under the conditions of its integrity and authenticity.

S.8.2 Privacy - data handling

Privacy - data handling

Rules for the provision and use for scientific purposes of databases in a de-identified form, approved by the order of the Chairman of the Agency of the Republic of Kazakhstan on statistics dated July 2, 2010 No. 168. Registered with the Ministry of Justice of the Republic of Kazakhstan on August 13, 2010 No. 6388.

S.9 Publication Policy

S.9.1 Publication Calendar

Clause 1, Clause 2 of Article 26 of the Law of the Republic of Kazakhstan "On State Statistics" dated March 19, 2010 No. 257. The schedule for the dissemination of official statistical information is posted on the website of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz in the "Home" section // "Basic documents"

S.9.2 Access to the Graph

The schedule for the dissemination of official statistical information is posted on the website of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz in the "Home" section // "Basic documents".

S.9.3 User access

Website Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz. Official statistics> by industry> Energy and commodity markets statistics> Statistics> (express information, bulletins)> Fuel and energy balance of the Republic of Kazakhstan; IS Taldau> Energy and Commodity Markets Statistics> Fuel and Energy Balance of the Republic of Kazakhstan.

S.10 Propagation frequency

S.11 Dissemination format, accessibility and clarity

S.11.1 News publications

S.11.2 Publications

- 1) The statistical bulletin "Fuel and energy balance of the Republic of Kazakhstan", posted on the Internet resource Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan in the section Official statistics> by industry> Energy and commodity markets statistics> Statistics > (express information, bulletins)> Fuel and energy balance of the Republic of Kazakhstan;
- 2) Statistical collection "Fuel and energy balance of the Republic of Kazakhstan", posted on the Internet resource Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan in the section Official statistics> by industry> Publications> "Fuel and energy balance of the Republic of Kazakhstan"

S.11.3 Databases in on-line mode

Information and analytical system "Taldau" - Statistics of energy and commodity markets - Fuel and energy balance

S.11.3.1 AC1. Data tables-consultation

Not implemented

S.11.4 Microdata access

Rules for the provision and use for scientific purposes of databases in a de-identified form, approved by the order of the Chairman of the Agency of the Republic of Kazakhstan on statistics dated July 2, 2010 No. 168. Registered with the Ministry of Justice of the Republic of Kazakhstan on August 13, 2010 No. 6388.

S.11.5 Other

S.11.5.1 AC2. Metadata consultation

Not implemented

S.12 Availability of Documentation

S.12.1 Methodology documentation

8) The methodology for the formation of the fuel and energy balance and the calculation of individual statistical indicators characterizing the energy sector was approved by order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan No. 160 dated August 11, 2016, registered by the Ministry of Justice RK No. 14230 dated 09/13/2016

T. 12.2 Quality documentation

1. Policy in the field of quality, approved by the order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated April 23, 2015 No. 67.

2. Objectives in the field of quality Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan, Objectives in the field of quality of the relevant structural unit.

3. Documented information of the quality management system: Quality manual; Documented procedures; Instructions; Process maps.

4. Standard methodology for describing the process of production of statistical information by state bodies, approved by the Order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated March 30, 2015 No. 53;

5. Methodology for assessing the quality of official statistical information, approved by the Order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated May 23, 2018 No. 63

S.13 Quality management

S.13.1 Quality assurance

The quality and reliability of data on statistics of the fuel and energy balance is supported by generally accepted procedures:

- compliance with the basic principles of primary accounting;
- use of standard statistical classifications of goods, products, services;
- development and implementation of various controls (format-logical, arithmetic) at the stages of collection and processing of primary data;
- obtaining additional information from respondents to confirm the reliability of primary data;
- carrying out a comparative analysis of statistical data in dynamics.

S.13.2 Quality

assessment

S.14 Relevance

S.14.1 Needs

Local executive bodies and other state bodies - for analytical work, individuals and legal entities.

S.14.2 User satisfaction

An annual survey of users of official statistical information is carried out according to the questionnaire Q-002 "Survey of users".

S.14.3 Completeness / R1. Data completeness-share

S.15 Accuracy and reliability (to be completed according to the type of observation)

S.15.1 Overall accuracy

The nationwide survey on fuel and energy balance statistics is designed in such a way that possible errors can be minimized and controlled. Nevertheless, when conducting a survey, inaccuracies are possible, which are called random errors in statistics (incorrect filling of data on cost, a specialist's error when filling out a report, etc.), even if the survey was carried out with the greatest care. Such errors are detected and corrected by the Departments of Statistics and the Bureau of national statistics in the course of statistical observation.

S.15.2 Sample errors - indicators / A1.

Unacceptable

S.15.3 Non-sampling error

Unacceptable

S.15.3.1 Coverage error

Unacceptable

S.15.3.1.1 A2. Overcoverage-share

Unacceptable

S.15.3.1.2 A3. Common units-ratio

Unacceptable

S.15.3.3 No response errors

S.15.3.3.1 A4. Absence unit-fraction

Unacceptable

S.15.3.3.2 A5. No response-share clause

Unacceptable

S.16 Timeliness and punctuality

S.16.1 Timeliness

S.16.1.1 TP1 Waiting period - first results

The release date was approved and published in the Statistical Work Plan and in the Schedule for the dissemination of official statistical information.

S.16.1.2 TP2.Waiting Period - Latest Results

Results are final

S.16.2 Punctuality

S.16.2.1 Punctuality / TP3

The data are published in accordance with the Plan of statistical work, approved in accordance with the legislation of the Republic of Kazakhstan by the Order of the Minister of National Economy of the Republic of Kazakhstan and the Schedule for the dissemination of official statistical information, approved by the Order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan.

S.17 Comparability

S.17.1 Geographic comparability

Data is comparable across regions

S.17.1.1 Asymmetry in mirror flow statistics-coefficient / CC1

Unacceptable

S.17.2 Length of comparable time series / CC2

Time series comparable to 1999

S.18 Consistency

S.18.1 Consistency, external, cross

The methodology for the formation of the fuel and energy balance and the calculation of individual statistical indicators characterizing the energy industry has been developed in accordance with international recommendations obtained within the framework of the KAZSTAT Project (Project on Strengthening the National Statistical System) and Eurostat standards. Agreed with the Ministry of Energy of the Republic of Kazakhstan.

S.18.2 Internal consistency

The methodology for the formation of the fuel and energy balance and the calculation of individual statistical indicators characterizing the energy sector has been agreed with all structural divisions of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan.

S.19 Load

Data collection is carried out electronically and on paper at the request of the respondent. When collecting data online, the respondent is provided with automated arithmetic and logical controls, excluding the possibility of typical input errors. Information processing processes are automated using local software systems, control of input and output information is provided. Duplication with other examinations is excluded.

S.20 Revision of data

S.20.2 Revision of data / A6

Unacceptable

S.21 Processing of statistical data S.21.1

Input data

Statistical information is formed on the basis of the respondents' reports in the form 1 TEB "Fuel and energy balance".

S.21.2 Inspection frequency

year

S.21.3 Method (method) of collecting primary statistical data

According to the statistics of the fuel and energy balance, the provision of the statistical form is carried out on paper or in electronic form. Filling in the statistical form in electronic form is carried out through the information system "Data collection in on-line mode" posted on the Internet resource Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan (www.stat.gov.kz).

S.21.4 Reliability of primary statistical data

In order to improve the quality of data, check the correctness of filling out the statistical form and minimize the lack of answers on some questions of the statistical form, plausibility checks are defined at the level of input of primary data in electronic format, and various format and logical controls are also included in the software for processing primary statistical information. Format-logical controls: between sections, within sections.

S.21.5 Imputation - share / A7

Unacceptable

S.21.6 Correction

Correction of data is carried out directly in the course of statistical observation.

S.21.6.1 Seasonal adjustment

Unacceptable

S.22 Notes

In the future, continue to work to ensure data quality.