



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

Quality report

*On the work of thermal power plants and boiler
houses of the Republic of Kazakhstan*

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S.1 Contact details

S.1.1 Organization

Committee on Statistics of the Ministry of National Economy of the Republic of Kazakhstan

S.1.2 Subdivision

Department of Services and Energy Statistics

S.1.3 Name of contact person

Amanbekov Rauan Gazizuly

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

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S.1.5 Postal address of the contact person

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U.2 Introduction-Relevance

National statistical observation on the operation of thermal power plants and boiler houses is organized with the aim of forming the main indicators characterizing the operation of thermal power plants and boiler houses in the Republic of Kazakhstan. Data on the operation of thermal power plants and boiler houses are formed on an annual basis (in the context of regions). The Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan holds meetings of working groups (focus groups), 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 their 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

09/07/2017

S.3.2 Last Placement of Metadata

07/03/2019

S.3.3 Latest metadata update

June 24, 2019

S.4 Presentation of statistical information

S.4.1 Data description

The main indicators of statistical observation on the operation of thermal power plants and boiler houses:

- 1) Generation and supply of heat energy;
- 2) Losses of heat energy;
- 3) Downtime of units in emergency repair;
- 4) Number of heat supply sources and the number of accidents;
- 5) Length of heating and steam networks.

S.4.2 Classification system

During the survey, the following statistical classifiers are used:

- 1) KATO - Classifier of administrative-territorial objects;
- 2) MKEI - Classifier of units of measurement;
- 3) OKED - General classifier of economic activities.

S.4.3 Sectoral coverage

They are represented by legal entities and (or) their structural and separate divisions, with the main or secondary type of activity "Steam supply and air conditioning systems" according to the code of the General Classifier of Economic Activities - 35.3

S.4.4 Statistical concepts and definitions

1. The circle of respondents: legal entities and (or) their structural and separate divisions, with the main or secondary type of activity "Steam supply and air conditioning systems" according to the code of the General Classifier of Economic Activities - 35.3
2. Data collection tools: statistical form "Report on the operation of thermal power plants and boiler houses" (code 301112219, index 6-TP, 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 16 (inclusive) after the reporting period. This statistical form is submitted 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) accident - failure of elements of systems, networks and sources of heat supply, which entailed the cessation of the supply of heat energy to consumers and subscribers for heating and hot water supply for a period of more than 8 hours;
- 2) steam boiler - a device with a furnace, heated by the products of the fuel burned in it and designed to generate steam with a pressure above atmospheric, used outside the device itself;
- 3) combined heat and power plant - a power plant that produces not only electricity, but is also a source of thermal energy in centralized heat supply systems;
- 4) concession - an activity aimed at the creation (reconstruction) and operation of concession facilities, carried out at the expense of the concessionaire or on the terms of co-financing by the concessor;
- 5) hot water boiler - a device that has a furnace, heated by the products of fuel burned in it and designed to heat water under pressure above atmospheric and used as a heat carrier outside the device itself.

S.4.5 Statistical object

The statistical object is legal entities and (or) their structural and separate subdivisions engaged in the production, transmission and distribution of steam, hot water for heating, power supply and other purposes.

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

Unacceptable

S.4.7 Territorial coverage

Republic of Kazakhstan, 14 regions, cities of republican significance, the capital (Nur-Sultan city, Almaty city, Shymkent city)

S.4.8 Time coverage

In Kazakhstan, a survey on the operation of thermal power plants and boiler houses 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

Gigacalorie per hour

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. 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.
 4. 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.
 5. Rules for the provision on a gratuitous basis of statistical information 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 dated May 20, 2010 No. 113.
 6. 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.
 7. Methodology for constructing a sample of households for the survey of employment, 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 June 30, 2016 No. 132. Registered with the Ministry of Justice of the Republic of Kazakhstan on August 5, 2016 No. 14070.
- Confidentiality and data protection.

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 December 31, 2014 No. 1425 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

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 statistical information> operational data (express information, bulletins)> Energy and commodity market statistics;

IAS Taldau> Energy and Commodity Markets Statistics

S.10 Propagation frequency

year

S.11 Dissemination format, accessibility and clarity

S.11.1 News publications

Press releases are not generated.

S.11.2 Publications

1) Statistical bulletin "On the work of thermal power plants and boiler houses 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 - Statistics of energy and commodity markets - Bulletins;

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 - Publications - Statistical collections.

T. 11.3 Online databases

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

S.11.3.1 AC1. Data tables-consultation

Not implemented

S.11.4 Microdata access

No access to microdata. The provision of de-identified databases is governed by the Rules for the provision and use of de-identified databases for scientific purposes approved by Order of the Chairman of the Agency of the Republic of Kazakhstan dated July 2, 2010 No. 168 (posted on the website Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz).

S.11.5 Other

S.11.5.1 AC2. Metadata consultation

Not implemented

S.12 Availability of Documentation

S.12.1 Methodology documentation

"Methodological regulation on statistics 2018", fourth edition, supplemented. 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 in the section "Methodology"

S.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. Typical 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 statistics on the operation of thermal power plants and boiler houses is supported by generally accepted procedures:

-observance of 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 control

The methodology for the formation of statistics on the operation of thermal power plants and boiler houses refers to the statistical methodology formed in accordance with international standards and approved in accordance with the Law of the Republic of Kazakhstan dated March 19, 2010 "On State Statistics". 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 November 8, 2017 No. 160.

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

Unacceptable

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

S.15.1 Overall accuracy

The nationwide survey on the statistics of the operation of thermal power plants and boiler houses 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 identified and corrected by the regional 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 time spent on processing the first results, from the time the respondents provided to the first publication of the bulletin "On the operation of thermal power plants and boiler houses of the Republic of Kazakhstan", averages 10 days. The results in the bulletin are published annually on May 29 according to the Statistical Work Plan, which are final.

S.16.1.2 TP2.Waiting Period - Latest Results

Results are final

S.16.2 Punctuality

S.16.2.1 Punctuality / TP3

Actual and planned dates coincide, there was no disruption to the publication dates for 2019. The publication release is postponed to the next business day if the publication falls on weekends or holidays.

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 information is used by: state bodies, local executive bodies, as well as the Organization for Economic Cooperation and Development, the Eurasian Economic Commission and the Interstate Statistical Committee of the Commonwealth of Independent States.

S.18.2 Internal consistency

Not applicable

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.

Administrative data is only used to ensure coverage respondents.

For 2019, 624 respondents reported.

S.20 Revision of data

S.20.2 Revision of data / A6

The last revision of the form was in 2020, the statistical form was 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) in the section for respondents - Statistical forms for 2020 year - Yearly forms.

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 6-TP "Report on the operation of thermal power plants and boiler houses".

S.21.2 Inspection frequency

year

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

According to the statistics of thermal power plants and boiler houses, the provision of a statistical form is carried out on paper or in electronic form at the request of the respondents. 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.