



NATIONAL STATISTICAL INSTITUTE

www.nsi.bg



Reporting and dissemination of energy data

Study tour on Energy statistics and Energy balances
under INOGATE programme

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Overview

- ✓ Dissemination policy of NSI
- ✓ Means of dissemination
- ✓ Dissemination of energy statistics data

Dissemination policy of NSI

Although the prolonged transition, Bulgaria is a full member of the European Union (EU) and the official statistics 132 years collects, analyzes, disseminates relevant statistical information and provides the necessary data for research, planning, forecasting and decision making.

The collection, processing, analysis and storage of statistical data as well as the provision and dissemination of official statistics in the country is carried out by the National Statistical System (NSS). These activities are implemented through periodic and single statistical surveys included in the National Statistical Programme (NSP), financially provided by statistical bodies and harmonized with the requirements of the European Statistical System (ESS) in terms of methodology, content, timing and deadlines for publication.

Main methodological and coordinating role in the structure of the NSS has National Statistical Institute (NSI).

Dissemination policy of NSI

Mission of the NSI is to provide objective, timely and accurate information about the status and development trends in the economy and social sphere, using the capabilities of the modern information and communication technologies and in compliance with the principles of the European Statistics Code of Practice. The NSI has:

- Extensive experience and established traditions in the dissemination of useful and easily accessible statistical information
- Established long-term relations with key customers (including institutions and ministries, established companies, embassies, media, major international information and rating agencies and others)
- Spare no efforts to attract new customers and meet the needs of statistical information to the ordinary citizen.

Dissemination policy of NSI

Legislation

Statistical activities in the country are carried out according to the following regulations:

- Law on Statistics
- Strategy for Development of the National Statistical System of the Republic of Bulgaria
- National Statistical Programme (NSP)
- A structural regulation of NSI
- Rules for dissemination of statistical information products and services
- Regulation (EC) № 223/2009 of the European Parliament and of the Council of 11 March 2009 on European statistics
- Regulation (EU) No 99/2013 of the European Parliament and of the Council of 15 January 2013 on the European statistical Programme 2013-17

Dissemination policy of NSI

Legislation

- COMMISSION DECISION of 17 September 2012 on Eurostat
- European statistics code of practice
- Communication from the Commission to the European Parliament and the Council of 15 April 2011 towards robust quality management for European Statistics
- European Statistical Programme - Annual Statistical Work Programme 2013
- COMMISSION REGULATION (EC) No 606/2008 of 26 June 2008 amending Regulation (EC) No 831/2002 implementing Council Regulation (EC) No 322/97 on Community Statistics, concerning access to confidential data for scientific purposes.



Dissemination policy of NSI

Principles of distribution of statistical information products and services

Vision for the development of NSS requires compliance with the fundamental principles of the official statistics of the United Nations and the principles of the European Statistics Code of Practice. Development, production and dissemination of European statistics should meet European quality standards and is based on the following statistical principles:

- ✓ Equal access of all users to the information products and services
- ✓ Objectivity
- ✓ Equity
- ✓ Timeliness
- ✓ Accuracy in providing the information
- ✓ Statistical confidentiality
- ✓ Accessibility and clarity of information
- ✓ Ensuring the greatest possible number of free publications and standardized services
- ✓ Maintaining regular contact with customers
- ✓ Expanding the share of the information in English



Dissemination policy of NSI

Main groups of users

Statistical information products and services are focused on the following main groups of users:

- Bodies of legislative, executive and judiciary
- Ministries and central agencies, in accordance with agreements for cooperation and exchange of information or additional specific requests
- Regional bodies and institutions
- Academic community
- International organizations
- Representatives of the media and journalists
- International information and rating agencies.

Dissemination policy of NSI

Main groups of users

- Foreign embassies and representative offices in the country
- Embassies of Bulgaria abroad and offices of Bulgarian companies abroad
- NGOs, consultancies and investment brokers, banks, insurance institutions
- Public and private companies, syndicates, political parties, unions, foundations
- Foreign companies, multinational companies and banks, and their representations
- Individuals.

Dissemination policy of NSI

Confidentiality

Law on Statistics regulates the issue for protection of the secrecy.

Article 25. Individual data received and collected through statistical surveys shall constitute a statistical secret and may be used only for statistical purposes. Individual data received for the purposes of statistical surveys may not be used as evidence before the bodies of the executive and the judiciary.

The National Statistical Institute and statistical authorities and their staff may not disclose or provide:

1. individual statistical data;
2. statistical data which can be matched in a way that enables the identification of a specific statistical unit;
3. statistical information which aggregates data about less than three statistical units or about a population in which the relative share of the value of a surveyed parameter of a single unit exceeds 85 per cent of the total value of such parameter for all units in the population.

Dissemination policy of NSI

Confidentiality

Article 26. (1) Individual data referred to in Article 25 may be provided only if:

1. Transferred to Eurostat where this is necessary for development and production of European statistical information;
2. Provided to the NSI by statistical authorities where this is necessary for development and production of official statistical information

(2) Individual data may be published only if the subject to which such data relate has granted consent therefore. Such consent shall be granted in writing and should clearly specify which data it includes. The person to whom such data relate may at any time withdraw his/her consent in writing, and such withdrawal shall not apply to actions performed prior to it.

Means of dissemination of the statistical surveys results

NSI information products are distributed by the following forms:

- Internet site of NSI– www.nsi.bg, is the main channel for free dissemination of statistical information in Bulgarian and English languages:
 - Statistics by themes
 - Strategic documents
 - Statistical classifications
 - Helpdesk
 - Actual news and events
 - Press releases
- Printed statistical publications
- Statistical publications on technical carriers

Means of dissemination of the statistical surveys results

- Information for international organizations
- Press conferences
- Statistical information in other forms according to user requests, contracts, agreements
- NSI reception - preparation of information inquiries of a diverse group of users according to their specific requirements
- Correspondence, information services by telephone, fax and e-mail
- Library services
- Supporting users of European statistics - *ESDS Help Desk - User Support.*

Dissemination of energy statistics data

- **Internet site of NSI, section Energy**

Table data

Contains latest data and time series on energy statistics data for:

- Production and deliveries of energy products – solid fuels, oil and petroleum products, natural gas, electricity
- Electricity and natural gas prices
- Combined heat and power units (CHP units)
- Renewables
- Structural indicators in energy
- Overall energy balance sheet.

Dissemination of energy statistics data

➤ Internet site of NSI, section Energy

Press release

We prepare monthly press release "Production and deliveries of energy products", which contains preliminary data for the production and deliveries of solid fuels, LPG, unleaded motor gasoline, transport diesel, natural gas, electricity.

Press release includes a table with data and graphs for each of the observed energy products.

Data from the current month are compared to the previous month, as well as with the data for the corresponding month of the previous year, expressed in a percentage.

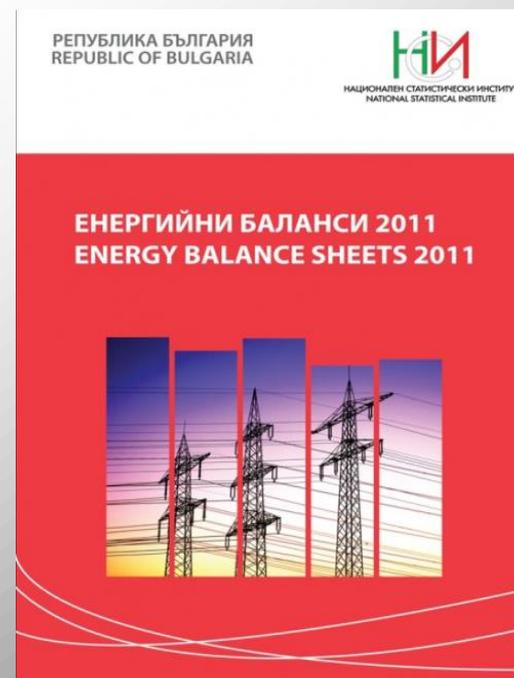
Press release is published on the website of NSI at 11.00 am on the date announced in the Release Calendar.

Dissemination of energy statistics data

➤ Internet site of NSI, section Energy

Electronic annual bilingual publication “ENERGY BALANCE SHEETS” - contains data for 7 years period on energy statistics obtained from the current surveys of the National Statistical Institute. The publication presents also detailed information on:

- Commodity energy balances of coal and coal products, crude oil and petroleum products, natural gas, renewables, electricity and heat
- Overall energy balance
- Gross inland energy consumption
- Transformation input/output
- Final energy consumption
- Product definitions





Dissemination of energy statistics data

- Energy balance indicators
- Specific conversion factors
- International comparisons.

The overall energy balance sheets for the last two years are presented in three matrixes: primary energy matrix; converted energy matrix; final energy consumption matrix, according to the Eurostat's methodology.

Transformation input in power and heat plants is included.

Data are presented in physical units - tons, cubic meters, kWh, etc. The common energy unit used for the aggregated energy balance is 'ton of oil equivalent'.

Publication is available also on CD-ROM.

Dissemination of energy statistics data

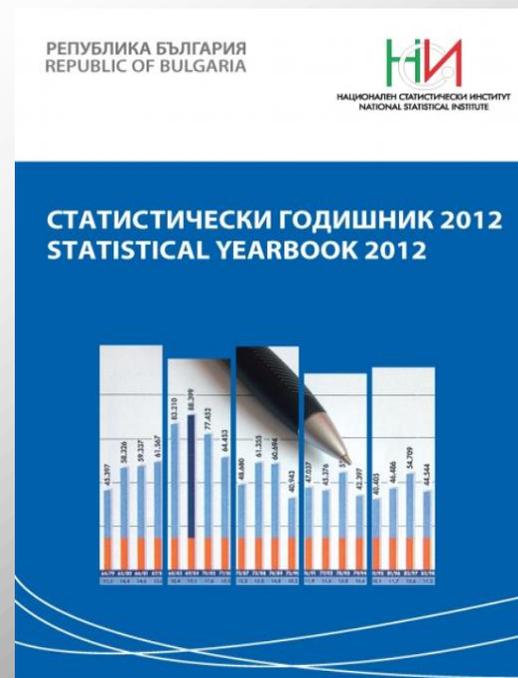
➤ Internet site of NSI, section Energy

Other common statistical publications in electronic and paper format

STATISTICAL YEARBOOK - provides current Statistical information about the demographic, economic and social development of the country for 5 years period in different territorial and classification aggregations and breakdowns.

Energy part contains information on:

- Overall energy balance
- Balances of fuels
- Primary energy production
- Gross inland consumption





Dissemination of energy statistics data

- Transformation input
- Fuel used for electricity and heat production in power plants
- Fuel structure of transformation input in power plants and heat plants
- Final energy consumption
- Structure of final energy consumption
- Final consumption of energy products
- Coal, electricity and heat production
- Energy dependence of the country

Statistical yearbook is available also in paper format.

Dissemination of energy statistics data

➤ Internet site of NSI, section Energy

Other common statistical publications in electronic and paper format

BULGARIA - the brochure contains topical statistical information about the demographic, social and economic development of the country for 5 years period.

Energy part contains information on:

- Balance of energy for the last 5 years, presented in 1000 toe
- Structure of electricity generation by plants
- Structure of final energy resources consumption
- Energy flows

Brochure is available also in paper format.



Dissemination of energy statistics data

➤ **Internet site of NSI, section Energy**

Other common statistical publications in electronic and paper format

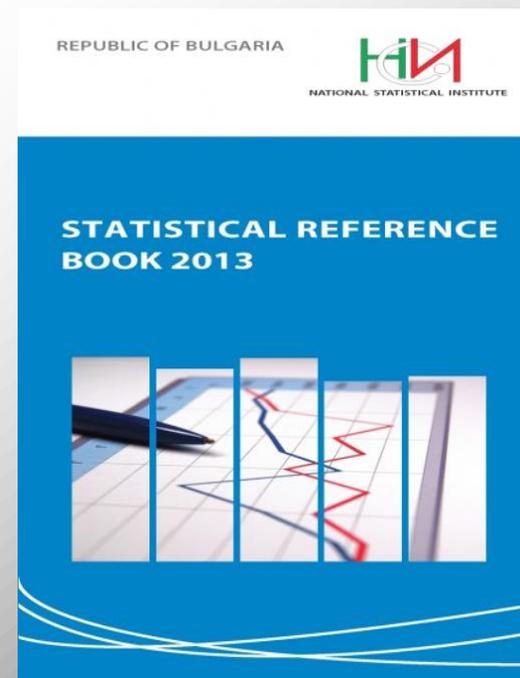
STATISTICAL REFERENCE BOOK –

presents topical information on the demographic processes as well as the economic, social and cultural development of the Republic of Bulgaria for 5 years period.

Energy part includes information for:

- Overall energy balance
- Final energy consumption
- Electricity and heat

Reference book is available also in paper format.



Dissemination of energy statistics data

➤ **Internet site of NSI, section Europe 2020**

This section contains time series for the following energy indicators:

- Share of RES in gross final energy consumption
- Primary energy consumption

Dissemination of energy statistics data

➤ Internet site of NSI, section Sustainable development

This section contains time series on the following sustainable energy indicators:

- Final energy consumption by sectors
- Energy Intensity
- Energy Dependency
- Share of CHP electricity generation in total gross electricity generation
- Share of RES in gross final energy consumption
- Share of renewable electricity sources in gross electricity consumption
- Energy consumption of transport by mode



Dissemination of energy statistics data

➤ Information for EUROSTAT

1. Questionnaires prepared according to the requirements of Regulation 1099/2008 on energy statistics. Deadlines for data transmission are:

- Monthly questionnaires on coal and electricity - 3 months after the reference period
- Monthly questionnaires on oil and petroleum products, and natural gas - 55 days after the reference period
- SEG electricity and gas questionnaires - 30 days after the reference period
- JODI oil questionnaire - 25 days after the reference period
- Five Joint Annual questionnaires on solid fuels, oil, natural gas, electricity and heat, renewables and wastes - on 30 November after the reference year.

These questionnaires are sent via eDAMIS: the electronic Dataflow Administration and Management Information System of Eurostat.

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➤ Information for EUROSTAT

2. Questionnaires based on the requirements of the Directive 2008/92/EC of the European Parliament and of the Council of 22 October 2008 concerning a Community procedure to improve the transparency of gas and electricity prices charged to industrial end-users:

- half-yearly questionnaires on electricity prices for the industry and households
- half-yearly questionnaires on natural gas prices for the industry and households
- Price systems of electricity – annual
- Price systems of natural gas - annual
- Structure of natural gas market - annual
- Structure of electricity market – annual



Dissemination of energy statistics data

➤ Information for EUROSTAT

3. Information on the base of the requirements of the Directive 2009/28/EC on promotion of the use of energy from renewable energy sources that established accounting criteria for the 2020 targets on renewable energy sources:

- SHARES tool

4. Information on the base of the requirements of the DECISION No 280/2004/EC concerning a mechanism for monitoring Community greenhouse gas emissions and for implementing the Kyoto Protocol about production and consumption of energy for:

- Priority indicators
- Supplementary indicators

5. Economy-wide material flow accounts questionnaire – for Unit E2

Dissemination of energy statistics data

- **Information to other international institutions:**
 - Monthly bulletin of statistics for UNSD
 - Gas trade flows monthly questionnaire for IEA
 - Gas storage capacity for IEA / UN / Eurostat
 - Short-terms trends survey for ITF

- **Information on agreements** - In the field of energy statistics there are signed agreements for provision of information with several institutions: Ministry of economy and energy, Ministry of environment and water of Bulgaria, Bulgarian national bank, State energy and water regulatory commission, Bulgarian Chamber of Mining and Geology, State agency State reserve and war-time stocks, etc.

- **Query execution** - Energy and transport Department prepares and submits information based on the specific needs and requests of the customers, that are received by official letters, e-mail or in the NSI reception. Deadline for execution of the requests is up to 10 working days.



Conclusion

NSI continues to work on the implementation of the main objective, namely to improve the development, production and dissemination of statistical information for all users by improving the institutional capacity of the system and increased use of modern information and communication technologies.



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Thank you for your attention!

For further questions, please contact at:

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