



METHODOLOGICAL EXPLANATION

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MONTHLY ENERGY STATISTICS

This methodological explanation relates to the data releases:

- Energy, Slovenia, monthly (First release)



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1 PURPOSE

The purpose of publishing the data is to provide a monthly overview of electricity production and consumption, fuel consumption in power plants and the supply of solid, liquid and gaseous fuels in Slovenia.

The key statistics we publish are:

- Amount of electricity produced at the generator and at the gate
- Amount of electricity consumed, measured by advanced meters, in households and business entities by sector
- Amount of imported and exported electricity, as well as total final consumption
- Amount of fuel used in thermal power plants
- Amount produced, imported, exported, and supplied of solid, liquid, and gaseous fuels

2 LEGAL FRAMEWORK

- [Annual Programme of Statistical Surveys \(LPSR\)](#) (only in Slovene)
- [National Statistics Act](#) (OJ RS, No. 45/95 and 9/01)
- [Regulation \(EC\) No 1099/2008](#) of the European Parliament and of the Council of 22 October 2008 on energy statistics (CELEX: 32008R1099)

3 UNIT DESCRIBED BY THE PUBLISHED DATA

Units described by the published data are:

- Generated electricity, analysed based on the energy source
- Consumed electricity, analysed based on data from advanced meters
- Imported and exported electricity, analysed by country (total imports, within the EU, total exports, and outside the EU) and by final usage
- Fuels consumed, analysed based on consumption in thermal power plants
- Fuels consumed in Slovenia, analysed by type, production, import, export, and stocks at the beginning and end of the month

4 SELECTION OF OBSERVATION UNIT

The following surveys have full coverage:

- E1-EE/M – includes business entities whose primary activity is the production of electricity, as well as those that produce electricity and heat alongside their main activities for their own needs and/or for sale (47 units)

- E4-EEP/M – includes business entities responsible for electricity transmission (1 unit)
- E5-EED/M – includes business entities responsible for electricity distribution (1 unit)
- E6-NAF/M – includes business entities operating refineries (2 unit)
- E7-NP/M – includes business entities whose primary activity is the production of petroleum products (1 units)
- E9-PZP/M – includes business entities responsible for natural gas transmission (1 unit)
- E11-TG/L) – includes business entities engaged in coal mining (1 unit)
- E-REE/M – includes households and business consumers whose electricity consumption is measured using advanced meters.

The following surveys do not have full coverage:

- E8-NPT/M – includes selected business entities trading in petroleum products (18 units). The selection criterion is the volume of imports or exports in the previous year, ensuring full coverage of imports and exports of liquefied petroleum gas, motor gasoline, jet fuel, biodiesel, diesel fuel, and fuel oil by business trading in petroleum products.
- E10-TGT/M – includes selected business entities trading in solid fuels (13 units). The selection criterion is full coverage of imports or exports of selected solid fuels by business trading in solid fuels.

5 SOURCES AND METHODS OF DATA COLLECTION

Data are collected monthly.

Data are collected with the following surveys:

- E1-EE/M – Production of electricity and heat. This survey collects data on production (by energy source), consumption and sale of electricity and heat, as well as fuel consumption in thermal power plants and end-of-month stock levels. Data are collected with a questionnaire sent to reporting units by email (Monthly questionnaire on the electricity and heat production) and from the administrative source managed by Borzen.
- E4-EEP/M – Electricity transmission. This survey collects data on the procurement and delivery of electricity at the transmission network level, as well as on the import, export, and losses of electricity within the transmission network. Data are collected with a questionnaire sent by email (Monthly questionnaire on electricity transmission).
- E5-EED/M – Electricity distribution. This survey collects data on the reception, delivery, and losses of electricity in the distribution network. Data are obtained from the EPOS administrative system (an e-reporting system for energy sector operators, managed under the »Energetika Portal«) maintained by the Ministry of the Environment, Climate and Energy – Energy Directorate.
- E6-NAF/M – Production and supply of crude oil, natural gas, petrochemical raw materials, additives and other hydrocarbons. This

survey collects data on the production, import, export, and internal consumption of crude oil, natural gas, gas condensates, additives, and other hydrocarbons. Data are collected with a questionnaire sent by email (“Monthly questionnaire on the production and supply of crude oil, natural gas, petrochemical raw materials, additives, and other hydrocarbons”).

- E7-NP/M – Production of petroleum products. This survey collects data on the production, import, export, recycling, own use, reclassification, sales, and stock levels of petroleum products. Data are collected with a questionnaire sent by email (“Monthly questionnaire for petroleum product producers”).
- E8-NPT/M – Petroleum products trade. This survey collects data on imports, exports, stock levels, and the structure of sales and purchases of selected petroleum products in the Slovenian market. Data are collected with a questionnaire sent by email (“Monthly questionnaire on trade in petroleum products”).
- E9-PZP/M – Natural gas transport. This survey collects data on the import and export of natural gas, as well as flow parameters of the natural gas transmission network. Data are collected with a questionnaire sent by email (“Monthly questionnaire on natural gas flows”).
- E10-TGT/M – Solid fuels trade. This survey collects data on the import, purchase, sale, export, stock levels, calorific value, and sulphur content of solid fuels. Data are collected with a questionnaire sent by email (“Monthly questionnaire on solid fuel trade”).
- E11-TG/M – Coal extraction. This survey collects data on the production, sales, initial and final stock levels, export, calorific value, and sulphur content of domestic lignite. Data are collected with a questionnaire sent by email (“Monthly questionnaire on coal mining”).
- E-REE/M – Electricity consumption in production and service activities and in households. This survey collects data on electricity consumption measured by advanced meters. The data are obtained from an administrative source managed by ELES.

6 DEFINITIONS

Advanced meter refers to an electronic meter capable of measuring both the electricity supplied to the grid and the electricity received from the grid. It is typically part of an advanced metering system that enables automatic (remote) reading, processing, and transmission of measurement data.

Nuclear heat is the thermal energy generated through fission in a nuclear reactor.

Electricity generation at the generator (gross generation) refers to the electricity produced at the generator terminals.

Electricity generation at the plant outlet (net generation) refers to the electricity produced at the power plants output. The difference between generation at the generator and at the plant outlet represents the electricity consumed within the plant for its operation (e.g. lighting, pump operation, fuel preparation, etc.).

Electricity consumption for pumping is the amount of electricity used for pumping water in pumped-storage hydroelectric power plants.

7 EXPLANATIONS

7.1 CLASSIFICATIONS

We publish data on electricity consumption in production and service activities according to the Standard Classification of Activities (SKD 2008), which is available on the SURS website at the following link: <http://www.stat.si/statweb/Methods/Classifications>. It can be accessed as an SKD search tool or as the full classification under the title "Economic Classifications."

7.2 DATA PROCESSING

DATA EDITING

We process data statistically through validity checks and consistency checks. The data are manually edited.

You can read more about data processing in the general methodological explanation [Statistical data editing](#).

WEIGHTING

Data weighting procedures are not applied.

SEASONAL ADJUSTMENT

Seasonal adjustment procedures are not applicable.

DATA PROCESSING OTHER

Data are processed manually in Excel by preparing tables arranged by the values of specific variables.

7.3 INDICES

Indices are not published.

7.4 PRECISION

The precision is not calculated.

7.5 OTHER EXPLANATIONS

Data on monthly electricity production in solar power plants do not include electricity produced by households that was not fed into the distribution system but consumed for their own use.

Data on electricity consumption measured by advanced meters do not include electricity from solar energy that households did not feed into the distribution system but consumed for their own use.

8 PUBLISHING

- SiStat Database: [Energy](#) – Energy production and consumption - Electricity. Absolute data are published by item name.
- SiStat Database: Energy – Energy production and consumption - Solid, liquid and gaseous fuels. Absolute data are published by fuel type and item name.
- First release (Energy, Energy production and consumption): »Energy, Slovenia, monthly«.
- Eurostat (Statistical Office of the European Union).
- International Energy Agency (IEA)

9 REVISION OF THE DATA

9.1 PUBLISHING OF PRELIMINARY AND FINAL DATA

Data for the last three months are provisional. With each publication, the data for the last three months may be revised and supplemented with new data.

Publishing of provisional and final data is planned. Due to the needs of users for timely information, provisional data are published that meet the criteria of the quality of official statistical data but do not meet the quality that can be met with complete coverage. Data are revised when recent, more complete and better data can significantly contribute to the quality of data-based decision-making.

9.2 FACTORS INFLUENCING COMPARABILITY OVER TIME

There are no breaks in time series, so all points in time are comparable.

10 OTHER METHODOLOGICAL MATERIALS

Methodological materials on SURS's website are available at <https://www.stat.si/statweb/en/Methods/QuestionnairesMethodologicalExplanationsQualityReports>.

- Questionnaires:
 - Electricity and heat production (E1-EE/M)
 - Electricity transmission (E4-EEP/M)
 - Production and supply with crude oil, natural gas, refinery feedstocks, additives and other hydrocarbons (E6-NAF/M)
 - Petroleum products production (E7-NP/M)
 - Petroleum products trade (E8-NPT/M)
 - Solid fuels trade (E10-TGT/M)
 - Coal extraction (E11-TG/M)

Theme: Energy, Subtheme: Energy Production and Consumption

- Quality report for the surveys:
 - Annual and monthly surveys on the electricity and heat production (E1-EE/L, E1-EE/M)
 - Annual and monthly surveys on the petroleum products trade (E8-NPT/L, E8-NPT/M)
 - Monthly survey on the solid fuels trade (E10-TGT/M)

Theme: Energy, SubTheme: Energy production and consumption