Balance of Electric Power

Reference Metadata in Euro SDMX Metadata Structure

(ESMS)

INSTAT

Reference Metadata

1. Contact	
1.1. Contact organisation	INSTAT, Institute of Statistics
1.2. Contact organisation unit	Economic Statistics Directory, Structural Statistics Sector
1.3. Contact name	Elma Çali
1.4. Contact person function	Expert of Structural Statistics Sector
1.5. Contact mail address	Vllazën Huta Street, Building 35, Entrance 1, Tirana, Albania
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1.8. Contact fax number	+(355) 4 228300
2. Metadata update	
2.1. Metadata last certified	05.03.2020
2.2. Metadata last posted	07.03.2019
2.3. Metadata last update	05.03.2020
3. Statistical presentation	
3.1. Data description	Electricity statistics are produced quarterly and annually, based on administrative sources on the amount of electricity in the country. Based on those data balance of electricity is compiled. The data are referred the production, import-export, exchange and consumption of electricity.
3.2. Classification system	It is not applicable for statistical activity.
3.3. Sector coverage	Balance of electric power provides statistical information on domestic production of electricity, electricity exchange, losses in network also the usage of electricity for final consumption in our country. The publication of electric power balance is produced quarterly, based on monthly data collected from administrative sources as:

	• KESH a.s., a state joint stock trading company, vertically integrated, which has the leading role and is the key producer of electricity in Albania; • OSHEE a.s., a public company with 100% state-owned shares that carries out the supply and sales of electricity also the operation and management of the distribution network; • OST a.s., transmission system operator is a public company with 100% 3 state-owned shares that operates in the electricity transmission system from the physical and distribution concepts. OST a.s. provides the necessary transmission capacities for: • The supply of uninterrupted electricity for Distribution System substations (OSHEE a.s.) and electricity customers directly connected to the transmission network; • The transmission of electricity produced from domestic sources; • Also transits and necessary exchanges with other countries in the region.
3.4. Statistical concepts and definitons	**Definitions of basic indicators** **Available electricity** refers to the quantity of electricity generated by domestic production of electricity plus total amount of electricity exchange. **Net domestic production of electricity** is equal to the gross electricity production from thermos plants, hydroelectric plants and other producers less the electrical energy absorbed by the generating auxiliaries and the losses in the main generator transformers. **Thermo electricity** refers to electricity produced by thermo plants. **Hydroelectricity** refers to energy of water converted into electricity in hydroelectric plants. **Own consumption and losses** is the total plant's consumption in generation process and production losses. Independent power producers refer to private electricity producers which consist of private plants and concession contracts with the Republic of Albania. These producers are directly related to the transmission system and are licensed by the Energy Regulatory Entity (ERE) and may sell capacity or energy to OST and OSHEE, to cover losses in transmission and distribution system, as well as to other clients. **Other producers** refer to electricity production from other energy sources, excluding hydro and thermo electricity. **Electricity exchange** refers to the difference between imported and exported electricity, also including transits and necessary exchanges of electricity with other countries in the region. **Consumption of electricity** refers to the total quantity of electricity consumed by final users and losses in networks. It is equal to the sum of the following categories: electrical losses and consumption of electricity by domestic users. **Electrical losses** refer to losses in transmission network including own consumption in transmission and distribution losses. Technical losses in distribution are estimated by OSHEE a.s. Non-technical losses refer to the difference between total losses in distribution and technical losses in

	distribution. **Consumption of electricity by domestic users** refers to the quantity of electricity 4 consumed by final users and is calculated as the sum of the consumption of households and non-households. **Households** refer to the quantity of household's electricity consumption. **Non households** refer to the electricity consumption quantity that are not consumed by households but include the consumption of electricity by industry, transport, agriculture, public services, etc.
3.5. Statistical unit	All operators that made production, transmission or distribution of electricity.
3.6. Statistical population	All operators that made production, transmission or distribution of electricity.
3.7. Reference area	Balance of Electricity comprises all territory of Albania.
3.8. Time coverage	From 1993 onwards.
3.9. Base period	Not Applicable.
4. Unit of measure	Electricity is measured in megawatt-hours.
5. Reference period	Year 2019
6. Institutional mandate	
6.1. Legal acts and other agreements	Balance of Electricity is based on: 1. National Statistical Law No.17/2018 "On Official Statistics", 2. Official Statistics National Program for the period 2017-2021, 3. Decisions of the Council of Statistics. Given that, according to the official statistics, the role of this body is to oversee, support and make decisions to help INSTAT statistical and other agencies to ensure the development and implementation of the Programme of Official Statistics, acts adopted by the this body are important for the progress of implementation of activities and monitoring the performance of the national statistical system component institutions 4. Memorandums of Understanding.
6.2. Data sharing	Statistics related to electricity are transmitted to EUROSTAT as part of General balance of energy which is compiled by National Agency of Natural Resources. Actually INSTAT send some main indicators to European Commission and other national and international organizations.

7. Confidentiality	
7.1. Confidentiality - policy	The data collected by the electricity operators are considered strictly confidential and used only for statistical purposes and scientific research in accordance with Law no. 17/2018 "On Official Statistics", as well as Law no. 9887, dated 10.03.2008 "Protection of Personal Data". Article 31 of the Law on Official Statistics clearly stipulates that all statistical information collected by INSTAT is confidential and may only be used or published in summary tables such as not to identify the source unit of information.
7.2. Confidentiality - data treatment	INSTAT protects and does not disclose what it has collected or has access to, to indicate the possibility of direct or indirect statistical unified identification. INSTAT service intervention appropriate measures to ensure and will not be impossible Identify statistical units through technical means to ensure that they can be used by third parties. All statistics where we can enable statistical unit identification are distributed by INSTAT only if: a) Possibly Become a Controller of His, The following gives a better assessment of the Regulations, Apply Determination of Such Application, as it does not create prejudice about statistical confidentiality; or b) The statistical unit has adopted a commitment to creating the city; All confidential to INSTAT only for more statistics and only those who can access it can convict me. Issues and security related to maintaining statistical confidentiality are verified and handled by INSTAT staff. The responsibilities of this staff, you can see the degree of detail that can be distributed and released by INSTAT. The responsibilities of this staff can be found in more detail: at the most detailed level possible for the dissemination of statistics, so as not to enable direct or indirect identification of the surveyed statistical unit; anonymization criteria for microdata where users can find; use of access for researchers to confirm for scientific uses.
8. Release policy	
8.1. Release calendar	Announcements regarding the distribution of statistics published in the publication calendar, which is jointly available. Notifications and delays pre-announced in this calendar. In the case of delays, the details of the forthcoming publication shall be specified as well as their explanation with the justification of the delays.
8.2. Release calendar access	Access to the release calendar is granted through the following link: Calendar
8.3. User access	The following dissemination channels are used to release the results of Balance of Electricity: 1-Website – online release 2-Written requests, (by mail or email); 3-Special publications (General printed publications, Statistical yearbook)

	4-Data request, session available for external users
9. Frequency of dissemination	The dissemination of Balance of Electricity is done quarterly and annually.
10. Accessibility and clarity	
10.1. News release	The press release contains information on net domestic production, thermal energy, hydro power, own consumption and losses, production of independent private and concessionary producers, production of other producers, exchange of electricity, consumption of electricity, losses on network, use by consumers, use by family and non-family consumers. The balance sheet press release is published online at INSTAT's website. The press release can be accessed at: Energy
10.2. Publications	Publication of electricity is published only in press releases and in the Statistical year book. The user can find those publication into the links below: • Energy • Statistical Yearbook
10.3. On-line database	All the information is available in both Albanian and English language. Since 2011, through the Pc-Axis system is provided to external users in web a longer time series data from 2000. A simple methodological explanation exists also in the web page. Database
10.4. Micro – data access	Electricity balance data are not made available at the micro level.
10.5. Other	Users can submit specific requests for data through the INSTAT website: Data request
10.6. Documentation on methodology	A short explanation related to the definitions of the main concepts and methodological explanations are provided to users in the end of press releases and publications. Additional support information is given to internal users when needed or required. Also the methodological notes are published at INSTATs website as follow: Energy
10.7. Quality documentation	The unit responsible for Balance of electricity has document all the work process and procedure for internal purposes.
11. Quality managment	
11.1. Quality assurance	INSTAT is committed to quality assurance in the production of official statistics. Based on Law no. 17/2018 "On Official Statistics", INSTAT uses statistical methods and processes in accordance with internationally accepted scientific principles and standards, and conducts continuous analysis to improve the quality and provision of up-to-date statistics. In carrying out its tasks, INSTAT follows the general principles of quality

	management, in accordance with the European Statistics Code of Practice. INSTAT for quality assurance is guided by the following principles: impartiality, quality of statistical processes and products, user orientation, employee orientation, effectiveness of statistical processes and reduction of interviewee workload. Quality assurance is done through regular controls for operators operating in the field of electricity. Verifications include consistency of electricity values related to generation, consumption, exchange of electricity, network losses, consumer use, etc.
11.2. Quality assessments	Balance of electricity data are compared with previous year's data and checked for any large changes in the data, especially due to large deviations in the main variables concerned. When available data has statistical differences for then 5% we require reconfirmation of data for all the operators.
12. Relevance	
12.1. User needs	Users of Balance of electricity are mostly external user like: Ministries and public administrations that uses these data for policy planning purposes, • Universities (teachers/graduate and post graduate students), • Research organizations, • Private firms, • The general public which gets the information via mass media through publications made by Statistical Office. The publication is sent to a fix group of users by email. Some main indicators are sent also to European Commission.
12.2. User satisfaction	INSTAT conducted a survey to measure user satisfaction with INSTAT publications. Survey results show that the overall quality of Energy statistics is estimated at 3.59 % from a scale of 1 (very poor) to 5 (very good). Page Views (Clicks) about Balance of Electricity during 2019 were around 7,401 clicks, marking an increase of around 40.7 % compared to 2018 (5.257 clicks). INSTAT organizes every year User Satisfaction Survey
12.3. Completeness	Balance of electricity is a national publication not required from Eurostat so we cannot judge for the completeness.
13. Accuracy and reliability	
13.1. Overall accuracy	Overall, data has been searched with previous years to identify any significant changes in data performance as well as with electricity generation, transmission and distribution operators.
13.2. Sampling error	The data are ensuring for all electricity operators so there is no any sampling

<table>
<tr><td></td><td>error.</td></tr>
<tr><td>13.3. Non - sampling error</td><td>Unit non response takes in consideration that the information is based on administrative data there is no any unit non response. Non-response at the variable level also does not exist because every operator has a legal obligation to fulfill every indicator required by INSTAT</td></tr>
<tr><td colspan="2">14. Timeliness and punctuality</td></tr>
<tr><td>14.1. Timeliness</td><td>The results of the “Balance of Electric Power” are published on the INSTAT website 185 days after the end of the reference period (T + 185 days). The reference period of the Balance of Electric Power 2019 results is 31 December 2019
<table><tr><td>Reference period</td><td>12/31/2019</td></tr><tr><td>Date of publication</td><td>3/5/2020</td></tr><tr><td>Timeliness</td><td>65</td></tr></table></td></tr>
<tr><td>14.2. Punctuality</td><td>Balance of Electric Power Survey data are published based on the publication calendar. The Balance of Electric Power publication has been punctual in time in 100% of the publications conducted over the years.
<table><tr><td>Reference period</td><td>12/31/2019</td></tr><tr><td>Date of announcement</td><td>3/5/2020</td></tr><tr><td>Date of publication</td><td>3/5/2020</td></tr><tr><td>Time lag</td><td>0</td></tr></table></td></tr>
<tr><td colspan="2">15. Coherence and comparability</td></tr>
<tr><td>15.1. Comparability - geographical</td><td>The information is comparable geographically.</td></tr>
<tr><td>15.2. Comparability - over time</td><td>The information is comparable over the years. Time series exists since 1993 (as reference year) but the data from year 2000 onwards are more reliable.</td></tr>
<tr><td>15.3. Coherence - cross domain</td><td>It is not applicable for statistical activity.</td></tr>
<tr><td>15.4. Coherence - internal</td><td>The internal consistency of the data is checked before it is finalized. The links between variables are checked and coherence between different data series confirmed.</td></tr>
<tr><td>16. Cost and burden</td><td>Only one permanent staff works with balance of electricity not in the full bases because this person is also responsible for other duties. For that reasons the cost of publication of electricity balance are not relevant.</td></tr>
<tr><td colspan="2">17. Data revision</td></tr>
<tr><td>17.1. Data revision -</td><td>Revision policy of Balance of Electricity is done in accordance with general</td></tr>
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policy	revision policy introduced by INSTAT in the link below: • Revision Policy • Errors Treatment Policy
17.2. Data revision - practise	Balance of electricity is revised if operators have announced any change in their data. We try to follow the standard guidelines and principles in the revisions done in collaboration with technical assistance. All the revisions are made transparent to the users and are part of each publication.
18. Statistical processing	
18.1. Source data	For the publication of electric power balance are used administrative sources as: • KESH a.s., a state joint stock trading company, vertically integrated, which has the leading role and is the key producer of electricity in Albania; • OSHEE a.s., a public company with 100% state-owned shares that carries out the supply and sales of electricity also the operation and management of the distribution network; • OST a.s., transmission system operator is a public company with 100% state-owned shares that operates in the electricity transmission system from the physical and distribution concepts.
18.2. Frequency of data collection	The publication of electric power balance is produced quarterly and annually, based on monthly data collected from administrative sources.
18.3. Data collection	Data collection is made based on the official request to operators for transmitting data via mail or electronic mail.
18.4. Data validation	Data validation is done by comparing actual data with the data of previous years.
18.5. Data compilation	Data compilation refers to the creation of an energy balance that equates the quantity available for consumption with the quantity consumed locally. In the case of statistical differences in these quantities, it is judged on the quality and accuracy of the data and is forwarded to the operators for data conformation and reasoning.
18.6. Adjustment	Electricity statistics does not have any adjustment.
19. Comment	
Annex	