

Balance of electric power

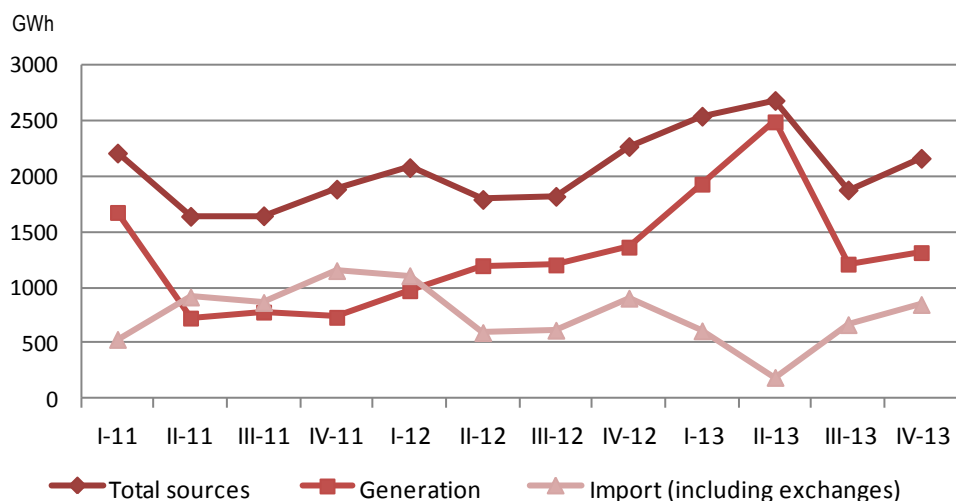
Year 2013

Tirana, on March 21, 2014: Electric power derived from all sources, during year 2013 increased by 16.7 percent compared with 2012. The quantity of electric power generated and imported resulted 9,310 GWh.

The domestic production of electric power represents 75.1 percent of the total quantity of electric power which increased by 47.2 percent. The total quantity produced in 2013 was 6,987 GWh from 4,745 GWh produced in 2012.

Hydropower plants production was the main source of electricity generation. The quantity of electricity produced by them is increased 44.3 percent compared with the previous year. Hydropower plants production represents 83.6 percent of total domestic production, while production of electricity from private plants and concession constitutes 16.4 percent. An increase by 64.5 percent has had also the production of electricity from **private plants and concession**. **Thermo plants** has not produced electric power during 2013.

Fig. 1 Generation, import including exchanges and total sources of electric power



Tab. 1 Balance of electric power

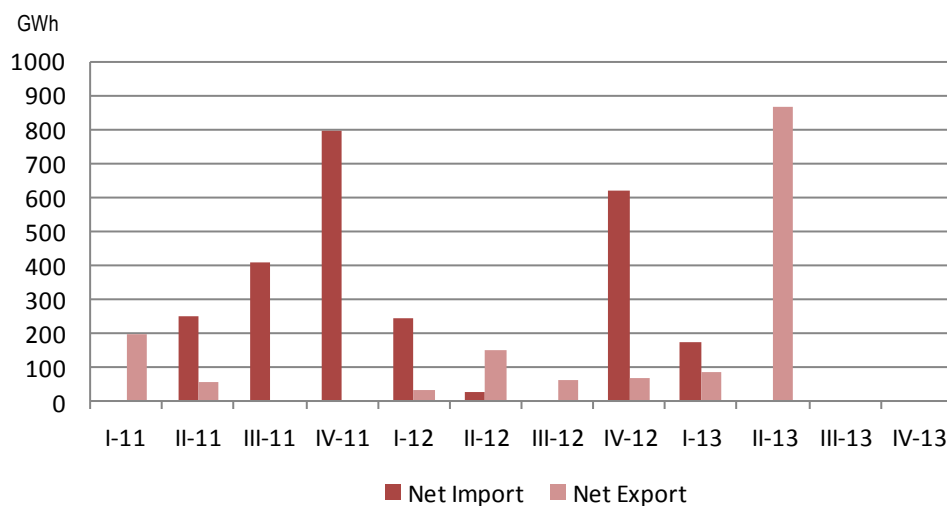
MWh

Indicators	2012*	2013
Sources	7,975,380	9,309,505
Generation	4,745,236	6,986,977
Thermo	0	0
Hydro	4,047,448	5,839,413
Private / concession plants	697,788	1,147,564
Import (including exchanges)	3,230,144	2,322,528
Net import	880,745	170,663
Uses	7,975,380	9,309,505
Own consumption/losses	20,436	27,651
Export (including exchanges)	335,535	1,424,821
Net export	297,776	952,899
Losses in network:	3,250,039	3,305,622
from which in distribution	3,080,674	3,196,622
Uses by domestic users	4,369,370	4,551,411
Households	2,162,552	2,269,335
Other users	2,206,818	2,282,076

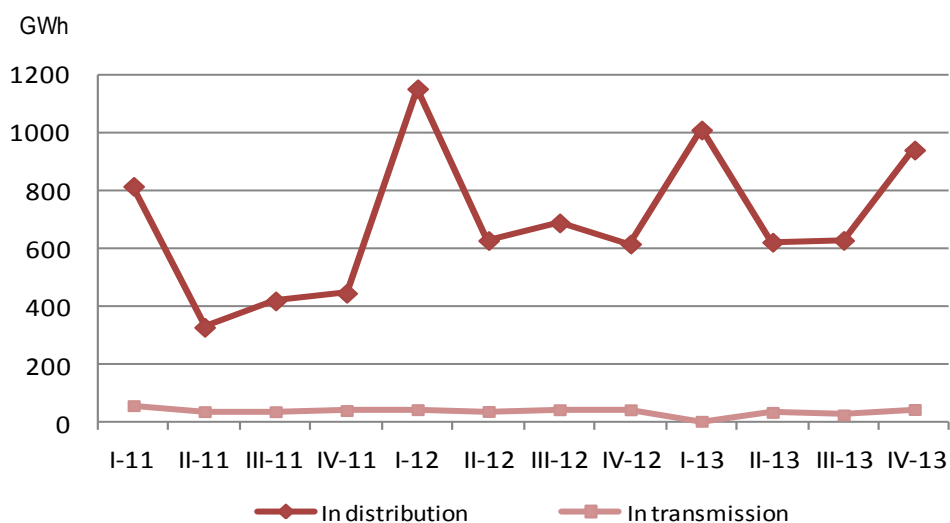
*Year is updated based on the latest data taken from electric power operators

Import (including exchanges) decreased by 28.1 percent compared with 2012. Import of electric power in 2013 reached 2,323 GWh and represents 25.0 percent of the total domestic production of electric power from 40.5 percent that constituted a year ago. Whole yearly quantity of **net import**, which reached 171 GWh for 2013, was imported during the first quarter of this year.

Export (including exchanges) represented 15.3 percent of electricity consumed in 2013 and its quantity resulted in 1,425 GWh. Yearly quantity of **net export**, which reached 953 GWh for 2013, was exported during the first half of the year.

Fig. 2 Net import and export of electric power

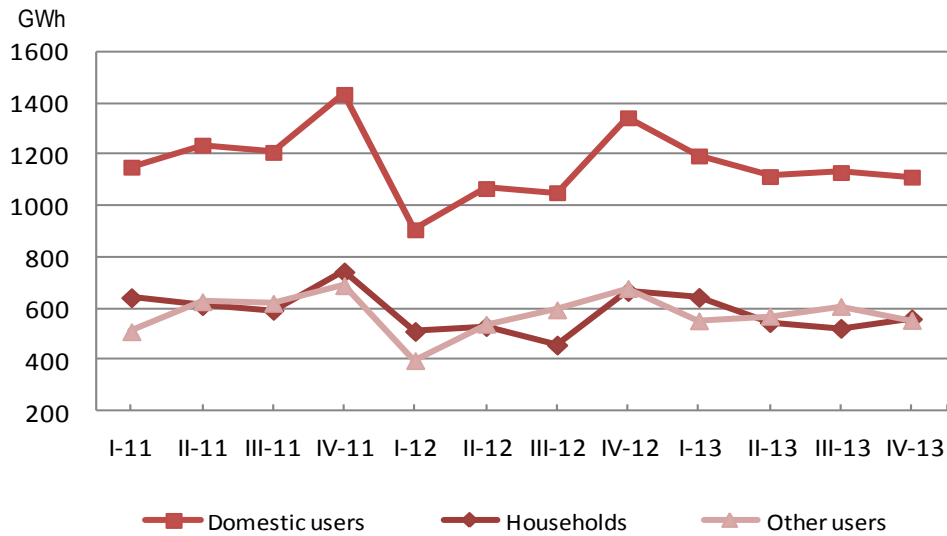
Total network losses increased 1.7 percent compared with 2012, from 3,250 GWh to 3,306 GWh. They constitute 35.5 percent of the total electricity quantity for final use. **Losses in distribution** represent 96.7 percent of the total losses in the network, which resulted in an increase of 3.8 percent.

Fig. 3 Losses in network of electric power

In 2013, **the consumption of electricity by domestic users** increased 4.2 percent compared to 2012. The available quantity for final consumption reached 4,551 GWh from 4,369 GWh in 2012 and represent 48,9 percent of the total quantity of electricity for final use.

The final consumption of electricity consumed by households and other consumers increased respectively by 4.9 percent and 3.4 percent compared with the previous year.

Fig. 4 Consumption of electric power by users



Note:

Next publication of Balance of Electric Power will have changes related to terminology and methodology used.

Terminological changes will be done in order to be more compliant with technical terminology and meet the user needs.

Methodological changes will be referred to domestic production of electric power from which will be excluded production losses and own consumption for presenting net domestic production.

Methodology

Balance of electric power provides statistical information on domestic production of electric power, electricity import and export (including exchanges), losses in network also the usage of electricity for final consumption in our country. The publication of electric power balance produced twice per year is based on monthly data collected from administrative sources as:

- KESH s.a. which is state independent company that produces, transforms and carries out the sale and purchase of electricity
- CEZ s.a. which is state independent company that carries out the supply and sale of electricity also the operation and management of the distribution network
- OST s.a. which is state independent company that operates in the electricity transmission system from the physical and distribution concepts

Definitions of basic variables

Electric power production

The total electric power produced by all domestic producers.

Own consumption / losses

The total plant's consumption in generation and transmission process and production losses.

Losses in transmission and distribution

Includes all the losses in transmission and distribution of electricity also other losses in transformers which are not considered an integral part of producers enterprises.

Total consumption (calculated)

This indicator is calculated as total electricity consumed by households and other users including all losses in production, transmission and distribution also adding the total quantity (including exchanges) exported during the reference year.

Consumption by households

Represents the usage of electricity by all households.

For more information, please visit our website: <http://www.instat.gov.al/>