

BILANS ELEKTRIČNE I TOPLOTNE ENERGIJE, 2024.*BALANCE OF ELECTRICITY AND HEAT, 2024*

Bruto proizvodnja električne energije u FBiH u 2024. godini iznosila je 8.268 GWh, od čega je u termoelektranama proizvedeno 4.455 GWh ili 53,9%, u hidroelektranama 2.728 GWh ili 32,9%, u industrijskim energanama 300 GWh ili 3,6%, proizvodnja u vjetroelektranama iznosi 393 GWh ili 4,8%, dok proizvodnja solarne energije iznosi 392 GWh ili 4,8%.

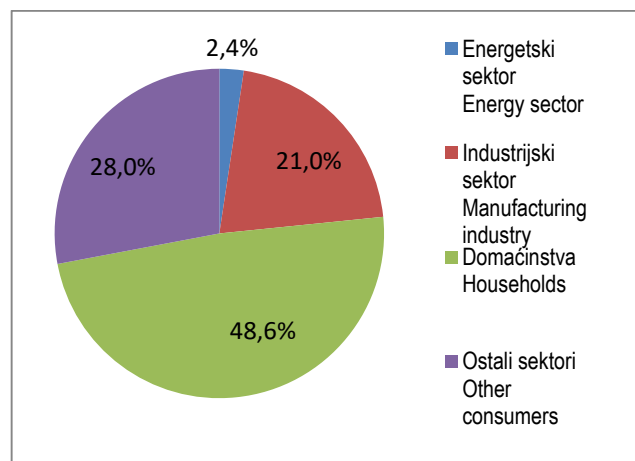
Sopstvena potrošnja u elektranama iznosila je 616 GWh.

U finalnoj potrošnji električne energije u 2024. godini, domaćinstva učestvuju sa 49,8%, industrijski sektor učestvuje sa 21,5%, a ostali potrošači, uključujući građevinarstvo, prijevoz i poljoprivredu, učestvuju sa 28,7%.

Najveće učešće u potrošnji električne energije u 2024. godini, u industrijskom sektoru, je u proizvodnji željeza i čelika 18,6%.

Ukupna proizvodnja toplotne energije u 2024. godini je 3.887 TJ, od čega je 1.869 TJ ili 48,1% proizvedeno u toplanama, 1.445 TJ ili 37,2% u termoelektranama, a 573 TJ ili 14,7% u industrijskim energanama.

U finalnoj potrošnji toplotne energije u 2024. godini najveće učešće imaju domaćinstva 74,1%, a prerađivačka industrija i ostali potrošači 25,9%.

Potrošnja električne energije po sektorima, FBiH, 2024*Electricity consumption by sectors, FBiH, 2024*

Gross electricity production in the FBiH in 2024 amounted to 8.268 GWh, of which 4.455 GWh or 53,9% was produced in thermal power plants, 2.728 GWh in hydropower plants or 32,9%, in autoproducers 300 GWh or 3,6%, production wind power plants is 393 GWh or 4,8% while production of solar energy is 392 GWh or 4,8%.

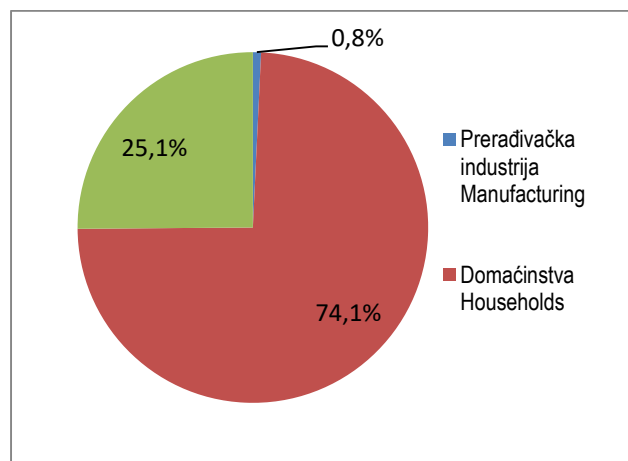
Own consumption in power plants was 616 GWh.

In the final consumption of electricity in 2024, households participate with 49,8%, the industrial sector accounts for 21,5%, and other consumers, including construction, transport and agriculture, participate with 28,7%.

The largest share in electricity consumption in 2024, in the industrial sector, is in the production of iron and steel 18,6%.

Total thermal energy production in 2024 is 3.887 TJ, of which 1.869 TJ or 48,1% is produced in heating plants, 1.445 TJ or 37,2% in thermal power plants, and 573 TJ or 14,7% in autoproducers.

Households account for the largest share of final heat consumption in 2024 with 74,1% and manufacturing industry and other consumers with 25,9%.

Potrošnja toplotne energije po sektorima, FBiH, 2024*Thermal energy consumption by sectors, FBiH, 2024*

1. Bilans električne energije

Balance of electricity

GWh

	2023	2024	
Bruto proizvodnja	8.509	8.268	Gross production
Hidroelektrane	3.595	2.728	Hydroelectric power plants
Termoelektrane	4.075	4.455	Thermal power plants
Industrijske energane	353	300	Autoproducers
Solarna energija	210*	392	Solar energy
Vjetroenergija	356	393	Wind power energy
Sopstvena potrošnja	623	616	Own consumption
Neto proizvodnja	7.886	7.652	Net production
Hidroelektrane	3.571	2.706	Hydroelectric power plants
Termoelektrane	3.594	3.954	Thermal power plants
Industrijske energane	235	208	Autoproducers
Solarna energija	130	392	Solar energy
Vjetroenergija	356	392	Wind power energy
Gubici pri distribuciji	517	526	Losses in the distribution
Pumpni rad	15	14	Used for pumped storage
Energetski sektor	205	166	Energy sector
Finalna potrošnja	6.601	6.803	Final consumption
Industrijski sektor	1.445	1.464	Manufacturing industry
Industrija željeza i čelika	276	273	Iron and Steel
Hemijska (uklj. i petrohemijску)	147	123	Chemical (including Petrochemical)
Metali bez sadržaja željeza	72	62	Non-Ferrous Metals
Nemetalni mineralni proizvodi	198	214	Non-Metallic Minerals
Transportna oprema	33	33	Transport Equipment
Mašine, uređaji i metalni proizvodi	171	185	Machinery, equip. and metal prod.
Rudarstvo i kamenolomi	32	31	Mining and Quarring
Prerada hrane, pića i duhana	150	155	Food, Beverages and Tobacco
Celuloza, papir i štampanje	158	174	Paper, Pulp and Printing
Drvo i drveni proizvodi	86	75	Wood and Wood Products
Tekstil i koža	38	38	Textiles and Leather
Nespecificirano (industrija)	84	101	Non-specified (industry)
Građevinarstvo	53	54	Construction
Prijevoz	39	40	Transport
Poljoprivreda	23	24	Agriculture
Domaćinstva	3.280	3.390	Households
Ostali potrošači	1.761	1.831	Other consumers

. Bilans toplotne energije

Balance of heat

	Jed. mjere <i>Unit</i>	2023	2024	
Proizvodnja energije transformacijom	TJ	4.323	3.887	Transformation output
Toplane	TJ	2.161	1.869	District heating plants
Termoelektrane	TJ	1.516	1.445	Thermal power plants
Industrijske energane	TJ	646	573	Autoproducers
Potrošnja u energetsom sektoru	TJ	35	33	Consumption in the energy sector
Gubici pri distribuciji	TJ	488	391	Losses in the distribution
Finalna potrošnja	TJ	3.800	3.463	Final consumption
Prerađivačka industrija	TJ	31	26	Manufacturing
Domaćinstva/Kućanstva	TJ	2.924	2.565	Households
Ostali potrošači	TJ	845	872	Other consumers
Utrošak goriva u toplanama				Fuel use in district heating plans
Mrki ugalj/ugljen	t	30.776	28.747	Brown coal
Lignit	t	-	-	Lignite
Drvni i biljni otpad	t	11.320	12.007	Wood and wood wastes
Loživo ulje, sumpor <1%	t	18	-	Fuel oil, sulphur below ≥ 1%
Loživo ulje, ekstra lako	t	-	-	Fuel oil, extra light
Prirodni plin /gas	000Sm ³	48.445	48.225	Natural gas
Ogrevno drvo i drvni otpad	t	5428*	5.682	Fire wood and wood wastes
Pelet	t	-	-	Pellet
Utrošak goriva u termoelektranama				Fuel use in district power plans
Mrki ugalj/ugljen	000 t	2.727	3.052	Brown coal
Lignit	000 t	1.409	1.287	Lignite
Loživo ulje, ekstra lako	t	2.083	2.086	Fuel oil, extra light
Loživo ulje, sumpor <1%	t	1.907	2.485	Fuel oil, sulphur below < 1%
Dizelska goriva, nafta D2	t	119	443	
Ogrevno drvo i drvni otpad	t	-	32.620	Fire wood and wood wastes
Utrošak goriva u energanama				Fuel use in autoproducer
Prirodni plin /gas	000Sm ³	9.494	7.519	Natural gas
Mrki ugalj/ugljen	000 t	336	254	Brown coal
Lignit	000 t	489	509	Lignite
Loživo ulje, sumpor <1%	t	1.221	1.190	Fuel oil, sulphur below < 1%
Loživo ulje ekstra lako	t	13	12	Fuel oil, extra light
Drvni otpad	t	42.739	45.542	Wood wastes
Koksni i VP plin	000Sm ³	561.619	465.910	Coke Gas/ Blast Furnace Gas
Utrošak goriva u koksarama				Fuel use in coke plants
Koksni ugalj	000 t	1.054	721	Coking Coal
Koksni plin	000 t	175.886	108.301	Coking Coal

korigovan podatak *

METODOLOŠKA OBJAŠNJENJA

Podaci o Bilansu električne energije dobijaju se na osnovu rezultata godišnjih statističkih istraživanja iz oblasti energetike i to: Godišnji izvještaj o proizvodnji, potrošnji i distribuciji električne energije (EN-E1-G, EN-E2-G, EN-E4-G), i Godišnjeg istraživanja o utrošku energeneta u industriji (EN-IND-G).

Izveštajne jedinice o proizvodnji i potrošnji električne energije su preduzeća/poduzeća, koja su po Klasifikaciji djelatnosti razvrstana u Registru poslovnih subjekata u područje B - Vađenje ruda i kamena, C - Prerađivačka industrija i D - Proizvodnja i snabdijevanje/opskrba električnom energijom i gasom.

Metodologija za izradu bilansa električne energije usklađena je sa standardima IEA/OECD i Eurostat-a.

Godišnjim izvještajem o električnoj energiji prikupljaju se podaci o proizvodnji (bruto i neto), distribuciji i potrošnji električne energije u različitim oblastima.

Bruto proizvodnja predstavlja električnu energiju proizvedenu na generatoru.

Neto proizvodnja predstavlja električnu energiju isporučenu elektnomreži iz elektrana, a predstavlja razliku između bruto proizvodnje i sopstvene potrošnje.

Raspoloživa električna energija za finalnu potrošnju je električna energija koja je na raspolaganju krajnjim potrošačima.

Proizvodnja energije transformacijom predstavlja ukupnu toplotnu energiju proizvedenu transformacijom različitih vrsta energenata.

NOTES OF METHODOLOGY

Data on the Balance of electricity is based on the results of the field of energy as follows: Annual survey about production, consumption, and distribution of electricity (EN-E1-G, EN-E2-G, EN-E4-G) and Annual survey on energy consumption in the industry (EN-IND-G).

Reporting units on production and consumption of electricity are enterprises classified according to the Classification of Activities in the Register of Business Entities in section B - Mining and quarrying, C - Manufacturing industry D - Production and supply of electricity and gas.

The methodology for making the balance of electricity is harmonized with IEA/OECD standards and Eurostat.

The annual survey on electricity collects data about the production (gross, net), distribution and consumption of electricity in different sections.

Gross electricity production is the sum of the electrical production by all the generating sets concerned measured at the output terminals of the main generators.

Nett electricity production is electrical energy supplied from a power station to a power-supply grid and it represents the difference between gross electricity production and own supply.

Electricity available for final consumption is electrical energy available to final consumers.

Transformation energy production represents the total thermal energy produced by the transformation of different types of energy

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