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STATISTIKA ENERGIJE ENERGY STATISTICS

ELEKTRIČNA I TOPLOTNA ENERGIJA ELECTRICITY AND HEAT

Električna i toplotna energija, 2022.

Bruto proizvodnja električne energije u Bosni i Hercegovini u 2022. godini iznosi 16384 GWh, od čega je u hidroelektranama proizvedeno 4739 GWh ili 28,93%, u termoelektranama 10706 GWh ili 65,34%, a u industrijskim energanama i ostalim (vjetru i solarnim elektranama) je proizvedeno 939 GWh tj. 5,73%.

Vlastita potrošnja u elektranama iznosi 1222 GWh, a u ostalom energetsom sektoru 273 GWh.

U finalnoj potrošnji električne energije u 2022. godini domaćinstva učestvuju sa 46,67%, industrija sa 25,61%, a ostali potrošači uključujući građevinarstvo, saobraćaj i poljoprivredu učestvuju sa 27,72%.

Najveće učešće u potrošnji električne energije u 2022. godini u industrijskom sektoru ima industrija željeza i čelika sa 24,66%.

Ukupna proizvodnja toplotne energije u Bosni i Hercegovini u 2022. godini je 5728 TJ, od čega je 3243 TJ ili 56,62% proizvedeno u toplanama, 1887 TJ ili 32,94% u termoelektranama, a 598 TJ ili 10,44% je proizvedeno u industrijskim energanama.

U finalnoj potrošnji toplotne energije u 2022. godini najveće učešće imaju domaćinstva sa 74,87%, a industrija i ostali potrošači sa 25,13%.

Electricity and Heat, 2022

Gross electricity production in Bosnia and Herzegovina in 2022 was 16384 GWh, out of which 4 739 GWh or 28.92% was produced in hydro power plants and 10706 GWh or 65.34% in thermal power plants, and 939 GWh (5.73%) was produced in autoproducers and others (wind and solar power plants).

Own consumption in power plants was 1222 GWh, and 273 GWh in other energy sector.

In final electricity consumption in 2022 households participated with share of 46.67%, industry with share of 25.61% and other consumers including construction, transport and agriculture with 27.72%.

The largest share in final electricity consumption in 2022 at industry sector had Iron and Steel Industry with 24.66%.

Total heat production in Bosnia and Herzegovina in 2022 was 5 728 TJ, out of which 3 243 TJ or 56.62% was produced in district heating plants, 1 887 TJ or 32.94% in thermal power plants and 598 TJ or 10.44% was produced by autoproducers.

In final heat energy consumption in 2022, households had the largest share of 74.87%, and industry and other consumers with share of 25.13%.

1. ELEKTRIČNA ENERGIJA

ELECTRICITY

Godišnji bilans električne energije, BiH, 2022.

Annual balance of electricity, BiH, 2022

GWh

	2022.	
Bruto proizvodnja	16 384	Gross production
Hidroelektrane	4 739	Hydro power plants
Termoelektrane, TE-TO	10 706	Thermal power plants, CHP
Industrijske energane i ostali	939	Autoproducers and others
Neto proizvodnja	15 162	Net production
Hidroelektrane	4 706	Hydro power plants
Termoelektrane, TE-TO	9 628	Thermal power plants, CHP
Industrijske energane i ostali	828	Autoproducers and others
Uvoz	3 828	Import
Izvoz	6 856	Export
Potrošnja u energetsom sektoru	273	Consumption in energy sector
Pumpni rad	35	Used for pumped storage
Ukupni gubici	1 264	Total losses
Finalna potrošnja	10 562	Final consumption
Industrija	2 705	Industry
Industrija željeza i čelika	667	Iron and Steel
Hemijska (uklj. i petrohemijsku)	186	Chemical (incl. Petrochemical)
Metali bez željeza	279	Non-Ferrous Metals
Nemetalni mineralni proizvodi	229	Non-Metallic Minerals
Transportna oprema	40	Transport Equipment
Mašine	245	Machinery
Rudarstvo i kamenolomi	86	Mining and Quarrying
Prerada hrane, pića i duhana	278	Food, Beverages and Tobacco
Celuloza, papir i štampanje	217	Paper, Pulp and Printing
Drvo i drveni proizvodi	215	Wood and Wood Products
Tekstil i koža	107	Textiles and Leather
Nespecificirano (industrija)	156	Non-specified (Industry)
Građevinarstvo	85	Construction
Saobraćaj	63	Transport
Poljoprivreda	64	Agriculture
Domaćinstva	4 929	Households
Ostali potrošači	2 716	Other

2. TOPLITNA ENERGIJA

HEAT

Godišnji bilans snabdijevanja sa toplotom, BiH, 2022.

Annual balance of heat supply, BiH, 2022

	Jedinica mjere Unit	2022.	
Proizvodnja energije transformacijom	TJ	5 728	Transformation output
Toplane	TJ	3 243	District heating plants
Termoelektrane, TE-TO	TJ	1 887	Thermal power plants, CHP
Industrijske energane	TJ	598	Autoproducers
Potrošnja u energetsom sektoru	TJ	34	Consumption in energy sector
Ukupni gubici	TJ	474	Total losses
Finalna potrošnja	TJ	5 220	Final consumption
Industrija	TJ	36	Industry
Građevinarstvo	TJ	-	Construction
Saobraćaj	TJ	-	Transport
Poljoprivreda	TJ	-	Agriculture
Domaćinstva	TJ	3 908	Households
Ostali potrošači	TJ	1 276	Other
Utrošak goriva u toplanama			Fuel use in district heating plants
Mrki ugalj	t	32 731	Brown coal
Lignit	t	43 349	Lignite
Prirodni plin	000 Sm ³	51 682	Natural gas
Drvni i biljni otpad	t	29 466	Wood wastes
Ogrijevno drvo	t	69 553	Fuel wood
Loživo ulje, ekstra lako	t	551	Fuel oil, light
Loživo ulje, S < 1%	t	1 715	Fuel oil, S < 1%
Loživo ulje, S ≥ 1%	t	-	Fuel oil, S ≥ 1%
Pelet	t	231	Pellet
Utrošak goriva u termoelektranama, TE-TO			Fuel use in thermal power plants, CHP
Mrki ugalj	000 t	5 072	Brown coal
Lignit	000 t	6 216	Lignite
Loživo ulje, ekstra lako	t	1 624	Fuel oil, light
Loživo ulje, S < 1%	t	5 169	Fuel oil, S < 1%
Loživo ulje, S ≥ 1%	t	5 251	Fuel oil, S ≥ 1%
Ogrijevno drvo	t	29 061	Fuel wood
Utrošak goriva u energanama			Fuel use in autoproducers
Mrki ugalj	000 t	351	Brown coal
Lignit	000 t	456	Lignite
Prirodni plin	000 Sm ³	11 687	Natural gas
Drvni i biljni otpad	t	33 715	Wood wastes
Ogrijevno drvo	t	-	Fuel wood
Loživo ulje, ekstra lako	t	6	Fuel oil, light
Loživo ulje, S < 1%	t	1 096	Fuel oil, S < 1%
Loživo ulje, S ≥ 1%	t	-	Fuel oil, S ≥ 1%
Bioplin	000 m ³	1 833	Biogas

METODOLOŠKA OBJAŠNENJA

Metodologija za prikupljanje podataka i izradu energetske bilansa električne i toplotne energije usklađena je sa međunarodnim standardima IEA/OECD i Eurostat-a.

Bruto proizvodnja električne energije predstavlja ukupno proizvedenu električnu energiju na generatoru.

Neto proizvodnja električne energije jednaka je bruto proizvodnji umanjenoj za vlastitu potrošnju elektrana. Uobičajen naziv za neto proizvodnju električne energije je proizvodnja električne energije na pragu elektrane.

Uvoz/Izvoz električne energije su količine električne energije koje su prešle državnu granicu.

Gubici električne energije obuhvataju sve gubitke prijenosa i distribucije električne energije kao i ostale gubitke u mreži.

Finalna potrošnja električne i toplotne energije predstavlja finalnu potrošnju energije u industriji, građevinarstvu, saobraćaju, poljoprivredi, domaćinstvima i ostalim sektorima.

Industrijske energane (samoproizvođači) su preduzeća koja pored svoje osnovne djelatnosti proizvode električnu energiju i/ili toplotnu energiju za prodaju trećim stranama.

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

NOTES OF METHODOLOGY

Methodology for data collection and making of electricity and heat energy balances are harmonized with internationally established standards of IEA/OECD and Eurostat.

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

Net electricity production is equal to the gross electricity production less the electrical energy absorbed by the generating auxiliaries and the losses in the main generator transformers.

Import/Export of electricity include quantities that crossed the national border.

Losses of electricity include all transmission and distribution losses of electricity and other losses in the grid.

Final consumption of electricity and heat is final energy consumption in industry, construction, transport, agriculture, households and other sectors.

Autoproducer undertakings generate electricity and/or heat, wholly or partly for their own use as an activity which supports their primary activity.

Transformation output is total heat production from different kind of fuels.

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