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STATISTIKA ENERGIJE

ENERGY STATISTICS

ELEKTRIČNA I TOPLOTNA ENERGIJA

ELECTRICITY AND HEAT

Električna i toplotna energija, 2020

Bruto proizvodnja električne energije u Bosni i Hercegovini u 2020. godini iznosi 16 874GWh, od čega je u hidroelektranama proizvedeno 4 663 GWh ili 27,6%, u termoelektranama 11 557 GWh ili 68,5%, a u industrijskim energanama i ostalim (vjetru i solarnim elektranama) je proizvedeno 654 GWh tj. 3,9%.

Vlastita potrošnja u elektranama iznosi 1 240 GWh, a u ostalom energetsom sektoru 304 GWh.

U finalnoj potrošnji električne energije u 2020. godini kućanstva učestvuju sa 48,3%, industrija sa 25,4%, a ostali potrošači uključujući građevinarstvo, transport i poljoprivredu učestvuju sa 26,3%.

Najveće učešće u potrošnji električne energije u 2020. godini u industrijskom sektoru ima industrija željeza i čelika sa 23,5%, dok prerada hrane, pića i duhana učestvuje sa 13,8%.

Ukupna proizvodnja toplotne energije u Bosni i Hercegovini u 2020. godini je 5 850 TJ, od čega je 3 432 TJ ili 58,7% proizvedeno u toplanama, 1 785 TJ ili 30,5% u termoelektranama, a 633 TJ ili 10,8 je proizvedeno u industrijskim energanama.

U finalnoj potrošnji toplotne energije u 2020. godini najveće učešće imaju kućanstva sa 76,4%, a industrija i ostali potrošači sa 23,6%.

Electricity and Heat, 2020

Gross electricity production in Bosnia and Herzegovina in 2020 was 16 874GWh, out of which 4 663 GWh or 27.6% was produced in hydro power plants and 11 557 GWh or 68.5% in thermal power plants, and 654 GWh (3.9%) was produced in autoproducers and others (wind and solar power plants).

Own consumption in power plants was 1 240 GWh, and 304 GWh in other energy sector.

In final electricity consumption in 2020 households participated with share of 48.3%, industry with share of 25.4% and other consumers including construction, transport and agriculture with 26.3%.

The largest share in final electricity consumption in 2020 at industry sector had Iron and Steel Industry with 23.5% while Food, Beverages and Tobacco Industry participated with share of 13.8%.

Total heat production in Bosnia and Herzegovina in 2020 was 5 850 TJ, out of which 3 432 TJ or 58.7% was produced in district heating plants, 1 785 TJ or 30.5% in thermal power plants and 633 TJ or 10.8% was produced by autoproducers.

In final heat energy consumption in 2020, households had the largest share of 76.4%, and industry and other consumers with share of 23.6%.

1. ELEKTRIČNA ENERGIJA*ELECTRICITY***Godišnja bilanca električne energije, BiH, 2020***Annual balance of electricity, BiH, 2020***GWh**

	2020	
Bruto proizvodnja	16 874	Gross production
Hidroelektrane	4 663	<i>Hydro power plants</i>
Termoelektrane, TE-TO	11 557	<i>Thermal power plants, CHP</i>
Industrijske energane i ostali	654	<i>Autoproducers and others</i>
Neto proizvodnja	15 634	Net production
Hidroelektrane	4 633	<i>Hydro power plants</i>
Termoelektrane, TE-TO	10 445	<i>Thermal power plants, CHP</i>
Industrijske energane i ostali	556	<i>Autoproducers and others</i>
Uvoz	3 266	Import
Izvoz	7 317	Export
Potrošnja u energetsom sektoru	304	Consumption in energy sector
Pumpni rad	113	Used for pumped storage
Ukupni gubici	1 230	Total losses
Finalna potrošnja	9 936	Final consumption
Industrija	2 526	Industry
Industrija željeza i čelika	592	<i>Iron and Steel</i>
Kemijska (uklj. i petrokemijsku)	147	<i>Chemical (incl. Petrochemical)</i>
Metali bez željeza	218	<i>Non-Ferrous Metals</i>
Nemetalni mineralni proizvodi	143	<i>Non-Metallic Minerals</i>
Transportna oprema	35	<i>Transport Equipment</i>
Strojevi	224	<i>Machinery</i>
Rudarstvo i kamenolomi	94	<i>Mining and Quarrying</i>
Prerada hrane, pića i duhana	349	<i>Food, Beverages and Tobacco</i>
Celuloza, papir i tiskanje	212	<i>Paper, Pulp and Printing</i>
Drvo i drveni proizvodi	217	<i>Wood and Wood Products</i>
Tekstil i koža	113	<i>Textiles and Leather</i>
Nespecificirano (industrija)	182	<i>Non-specified (Industry)</i>
Građevinarstvo	76	Construction
Transport	59	Transport
Poljoprivreda	58	Agriculture
Kućanstva	4 795	Households
Ostali potrošači	2 422	Other

2. TOPLOTNA ENERGIJA

HEAT

Godišnja bilanca opskrbe toplotom, BiH, 2020

Annual balance of heat supply, BiH, 2020

	Jedinica mjere Unit	2020	
Proizvodnja energije transformacijom	TJ	5 850	Transformation output
Toplane	TJ	3 432	District heating plants
Termoelektrane, TE-TO	TJ	1 785	Thermal power plants, CHP
Industrijske energane	TJ	633	Autoproducers
Potrošnja u energetsom sektoru	TJ	22	Consumption in energy sector
Ukupni gubici	TJ	450	Total losses
Finalna potrošnja	TJ	5 378	Final consumption
Industrija	TJ	26	Industry
Građevinarstvo	TJ	-	Construction
Transport	TJ	-	Transport
Poljoprivreda	TJ	-	Agriculture
Kućanstva	TJ	4 107	Households
Ostali potrošači	TJ	1 245	Other
Utrošak goriva u toplanama			Fuel use in district heating plants
Mrki ugljen	t	31 833	Brown coal
Lignit	t	43 016	Lignite
Prirodni plin	000 Sm ³	53 339	Natural gas
Drvni i biljni otpad	t	28 529	Wood wastes
Ogrijevno drvo	t	70 076	Fuel wood
Loživo ulje, ekstra lako	t	-	Fuel oil, light
Loživo ulje, S < 1%	t	1 558	Fuel oil, S < 1%
Loživo ulje, S ≥ 1%	t	-	Fuel oil, S ≥ 1%
Pelet	t	1 920	Pellet
Utrošak goriva u termoelektranama. TE-TO			Fuel use in thermal power plants, CHP
Mrki ugljen	000 t	5 732	Brown coal
Lignit	000 t	6 489	Lignite
Loživo ulje, ekstra lako	t	1 322	Fuel oil, light
Loživo ulje, S < 1%	t	4 514	Fuel oil, S < 1%
Loživo ulje, S ≥ 1%	t	2 138	Fuel oil, S ≥ 1%
Ogrijevno drvo	t	25 326	Fuel wood
Utrošak goriva u energanama			Fuel use in autoproducers
Mrki ugljen	000 t	303	Brown coal
Lignit	000 t	489	Lignite
Prirodni plin	000 Sm ³	6 789	Natural gas
Drvni i biljni otpad	t	835	Wood wastes
Ogrijevno drvo	t	1 533	Fuel wood
Loživo ulje, ekstra lako	t	5	Fuel oil, light
Loživo ulje, S < 1%	t	4 873	Fuel oil, S < 1%
Loživo ulje, S ≥ 1%	t	-	Fuel oil, S ≥ 1%
Bioplin	000 m ³	5 455	Biogas

METODOLOŠKA OBJAŠNENJA

Metodologija za prikupljanje podataka i izradu energetske bilance 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 obuhvaćaju 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, transportu, poljoprivredi, kućanstvima i ostalim sektorima.

Industrijske energane (samoproizvođači) su poduzeća 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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