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STATISTIKA ENERGIJE

ENERGY STATISTICS

ELEKTRIČNA I TOPLOTNA ENERGIJA

ELECTRICITY AND HEAT

Električna i toplotna energija, 2017

Bruto proizvodnja električne energije u Bosni i Hercegovini u 2017. godini iznosi 16.438 GWh, od čega je u hidroelektranama proizvedeno 3.987 GWh ili 24,3%, u termoelektranama 12.019 GWh ili 73,1%, a u industrijskim energanama i ostalim je proizvedeno 432 GWh tj. 2,6%.

Vlastita potrošnja u elektranama iznosi 1.212 GWh, a u ostalom energetsom sektoru 374 GWh.

U finalnoj potrošnji električne energije u 2017. godini domaćinstva učestvuju sa 41,7%, industrija sa 37,6%, a ostali potrošači uključujući građevinarstvo, saobraćaj i poljoprivredu učestvuju sa 20,7%.

Najveće učešće u potrošnji električne energije u 2017. godini u industrijskom sektoru ima industrija proizvodnje metala bez željeza sa 40,4%, dok industrija željeza i čelika učestvuje sa 19,2%.

Ukupna proizvodnja toplotne energije u Bosni i Hercegovini u 2017. godini je 5.793 TJ, od čega je 3.371 TJ ili 58,2% proizvedeno u toplanama, 1.817 TJ ili 31,4% u termoelektranama, a 605 TJ ili 10,4% je proizvedeno u industrijskim energanama.

U finalnoj potrošnji toplotne energije u 2017. godini najveće učešće imaju domaćinstva sa 75%, a industrija i ostali potrošači sa 25%.

Electricity and Heat, 2017

Gross electricity production in Bosnia and Herzegovina in 2017 was 16.438 GWh, out of which 3.987 GWh or 24.3% was produced in hydro power plants and 12.019 GWh or 73.1% in thermal power plants, and 432 GWh (2.6%) was produced in autoproducers and others.

Own consumption in power plants was 1212 GWh, and 374 GWh in other energy sector.

In final electricity consumption in 2017 households participated with share of 41.7%, industry with share of 37.6% and other consumers including construction, transport and agriculture with 20.7%.

The largest share in final electricity consumption in 2017 at industry sector had Non-Ferrous Metals Industry with 40.4% while Iron and Steel Industry participated with share of 19.2%

Total heat production in Bosnia and Herzegovina in 2017 was 5.793 TJ, out of which 3.371 TJ or 58.2% was produced in district heating plants, 1.817 TJ or 31.4% in thermal power plants and 605 TJ or 10.4% was produced by autoproducers.

In final heat energy consumption in 2017, households had the largest share of 75%, and industry and other consumers with share of 25%.

1. ELEKTRIČNA ENERGIJA
ELECTRICITY

Godišnji bilans električne energije, BiH, 2017
Annual balance of electricity, BiH, 2017

GWh

	2017	
Bruto proizvodnja	16.438	Gross production
Hidroelektrane	3.987	Hydro power plants
Termoelektrane, TE-TO	12.019	Thermal power plants, CHP
Industrijske energane i ostali	432	Autoproducers and others
Neto proizvodnja	15.226	Net production
Hidroelektrane	3.968	Hydro power plants
Termoelektrane, TE-TO	10.905	Thermal power plants, CHP
Industrijske energane i ostali	353	Autoproducers and others
Uvoz	3.346	Import
Izvoz	5.187	Export
Potrošnja u energetsom sektoru	374	Consumption in energy sector
Pumpni rad	266	Used for pumped storage
Ukupni gubici	1.347	Total losses
Finalna potrošnja	11.398	Final consumption
Industrija	4.281	Industry
Industrija željeza i čelika	820	Iron and Steel
Hemijska (uklj. i petrohemijsku)	136	Chemical (incl. Petrochemical)
Metali bez željeza	1.728	Non-Ferrous Metals
Nemetalni mineralni proizvodi	168	Non-Metallic Minerals
Transportna oprema	53	Transport Equipment
Mašine	290	Machinery
Rudarstvo i kamenolomi	92	Mining and Quarrying
Prerada hrane, pića i duhana	264	Food, Beverages and Tobacco
Celuloza, papir i štampanje	229	Paper, Pulp and Printing
Drvo i drveni proizvodi	179	Wood and Wood Products
Tekstil i koža	174	Textiles and Leather
Nespecifirano (industrija)	148	Non-specified (Industry)
Građevinarstvo	63	Construction
Saobraćaj	76	Transport
Poljoprivreda	48	Agriculture
Domaćinstva	4.756	Households
Ostali potrošači	2.174	Other

2. TOPLOTNA ENERGIJA

HEAT

Godišnji bilans snabdijevanja sa toplotom, BiH, 2017

Annual balance of heat supply, BiH, 2017

	Jedinica mjere Unit	2017	
Proizvodnja energije transformacijom	TJ	5.793	Transformation output
Toplane	TJ	3.371	District heating plants
Termoelektrane, TE-TO	TJ	1.817	Thermal power plants, CHP
Industrijske energane	TJ	605	Autoproducers
Potrošnja u energetsom sektoru	TJ	27	Consumption in energy sector
Ukupni gubici	TJ	438	Total losses
Finalna potrošnja	TJ	5.328	Final consumption
Industrija	TJ	21	Industry
Građevinarstvo	TJ	-	Construction
Saobraćaj	TJ	-	Transport
Poljoprivreda	TJ	-	Agriculture
Domaćinstva	TJ	3.997	Households
Ostali potrošači	TJ	1.310	Other
Utrošak goriva u toplanama			Fuel use in district heating plants
Mrki ugalj	t	35.208	Brown coal
Lignit	t	49.101	Lignite
Prirodni plin	000 Sm ³	53.900	Natural gas
Drvni i biljni otpad, peleti	t	15.437	Wood wastes and pellets
Ogrijevno drvo	t	34.883	Fuel wood
Loživo ulje, ekstra lako	t	104	Fuel oil, light
Loživo ulje, S < 1%	t	999	Fuel oil, S < 1%
Loživo ulje, S ≥ 1%	t	13.690	Fuel oil, S ≥ 1%
Utrošak goriva u termoelektranama, TE-TO			Fuel use in thermal power plants, CHP
Mrki ugalj	000 t	5.422	Brown coal
Lignit	000 t	6.904	Lignite
Loživo ulje, ekstra lako	t	1.520	Fuel oil, light
Loživo ulje, S < 1%	t	2.789	Fuel oil, S < 1%
Loživo ulje, S ≥ 1%	t	8.349	Fuel oil, S ≥ 1%
Ogrijevno drvo	t	20.053	Fuel wood
Utrošak goriva u energanama			Fuel use in autoproducers
Mrki ugalj	000 t	384	Brown coal
Lignit	000 t	513	Lignite
Prirodni plin	000 Sm ³	7.847	Natural gas
Loživo ulje, S < 1%	t	721	Fuel oil, S < 1%
Loživo ulje, S ≥ 1%	t	4.394	Fuel oil, S ≥ 1%
Bioplin	000 m ³	3.134	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 prenosa 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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