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STATISTIKA ENERGIJE

ENERGY STATISTICS

ELEKTRIČNA I TOPLOTNA ENERGIJA

ELECTRICITY AND HEAT

Električna i toplotna energija, 2014

Bruto proizvodnja električne energije u Bosni i Hercegovini u 2014. godini iznosi 16.160 GWh, od čega je u hidroelektranama proizvedeno 5.935 GWh ili 36,7%, u termoelektranama 9.822 GWh ili 60,8%, a u industrijskim energanama je proizvedeno 403 GWh tj. 2,5%.

Vlastita potrošnja u elektranama iznosi 988 GWh, a u ostalom energetsom sektoru 427 GWh.

U finalnoj potrošnji električne energije u 2014. godini domaćinstva učestvuju sa 43,5%, industrija sa 36,4%, a ostali potrošači uključujući građevinarstvo, saobraćaj i poljoprivredu učestvuju sa 20,1%.

Najveće učešće u potrošnji električne energije u 2014. godini u industrijskom sektoru ima industrija proizvodnje metala bez željeza sa 45,8%, dok industrija željeza i čelika učestvuje sa 19%.

Ukupna proizvodnja toplotne energije u Bosni i Hercegovini u 2014. godini je 5.000 TJ, od čega je 3.005 TJ ili 60,1% proizvedeno u toplanama, 1.356 TJ ili 27,1% u termoelektranama, a 639 TJ ili 12,8% je proizvedeno u industrijskim energanama.

U finalnoj potrošnji toplotne energije u 2014. godini najveće učešće imaju domaćinstva sa 76%, a industrija i ostali potrošači sa 24%.

Electricity and Heat, 2014

Gross electricity production in Bosnia and Herzegovina in 2014 was 16.160 GWh, out of which 5.935 GWh or 36.7% was produced in hydro power plants and 9.822 GWh or 60.8% in thermal power plants, and 403 GWh (2.5%) was produced in autoproducers.

Own consumption in power plants was 988 GWh, and 427 GWh in other energy sector.

In final electricity consumption in 2014 households participated with share of 43.5%, industry with share of 36.4% and other consumers including construction, transport and agriculture with 20.1%.

The largest share in final electricity consumption in 2014 at industry sector had Non-Ferrous Metals Industry with 45.8% while Iron and Steel Industry participated with share of 19%

Total heat production in Bosnia and Herzegovina in 2014 was 5.000 TJ, out of which 3.005 TJ or 60.1% was produced in district heating plants, 1.356 TJ or 27.1% in thermal power plants and 639 TJ or 12.8% was produced by autoproducers.

In final heat energy consumption in 2014, households had the largest share of 76%, and industry and other consumers with share of 24%.

1. ELEKTRIČNA ENERGIJA
ELECTRICITY

Godišnji bilans električne energije, BiH, 2014
Annual balance of electricity, BiH, 2014

GWh

	2014	
Bruto proizvodnja	16,160	Gross production
Hidroelektrane	5,935	Hydro power plants
Termoelektrane	9,822	Thermal power plants
Industrijske energane	403	Autoproducers
Neto proizvodnja	15,172	Net production
Hidroelektrane	5,908	Hydro power plants
Termoelektrane	8,921	Thermal power plants
Industrijske energane	343	Autoproducers
Uvoz	3,162	Import
Izvoz	5,998	Export
Potrošnja u energetsom sektoru	427	Consumption in energy sector
Ukupni gubici	1,322	Total losses
Finalna potrošnja	10,587	Final consumption
Industrija	3,849	Industry
Industrija željeza i čelika	732	Iron and Steel
Hemijska (uklj. i petrohemijsku)	108	Chemical (incl. Petrochemical)
Metali bez željeza	1,762	Non-Ferrous Metals
Nemetalni mineralni proizvodi	156	Non-Metallic Minerals
Transportna oprema	41	Transport Equipment
Mašine	194	Machinery
Rudarstvo i kamenolomi	95	Mining and Quarring
Prerada hrane, pića i duhana	214	Food, Beverages and Tobacco
Celuloza, papir i štampanje	159	Paper, Pulp and Printing
Drvo i drveni proizvodi	148	Wood and Wood Products
Tekstil i koža	115	Textiles and Leather
Nespecificirano (industrija)	125	Non-specified (Industry)
Gradevinarstvo	61	Construction
Saobraćaj	80	Transport
Poljoprivreda	53	Agriculture
Domaćinstva	4,605	Households
Ostali potrošači	1,939	Other

2. TOPLITNA ENERGIJA

HEAT

Godišnji bilans snabdijevanja sa toplotom, BiH, 2014

Annual balance of heat supply, BiH, 2014

	Jedinica mjere Unit	2014	
Proizvodnja energije transformacijom	TJ	5,000	Transformation output
Toplane	TJ	3,005	District heating plants
Termoelektrane	TJ	1,356	Thermal power plants
Industrijske energane	TJ	639	Autoproducers
Potrošnja u energetsom sektoru	TJ	34	Consumption in energy sector
Ukupni gubici	TJ	354	Total losses
Finalna potrošnja	TJ	4,612	Final consumption
Industrija	TJ	21	Industry
Gradevinarstvo	TJ	-	Construction
Saobraćaj	TJ	-	Transport
Poljoprivreda	TJ	-	Agriculture
Domaćinstva	TJ	3,506	Households
Ostali potrošači	TJ	1,085	Other
Utrošak goriva u toplanama			Fuel use in district heating plants
Mrki ugalj	t	28,991	Brown coal
Lignit	t	40,600	Lignite
Prirodni plin	000 Sm ³	38,137	Natural gas
Drvni i biljni otpad	t	19,759	Wood wastes
Ogrijevno drvo	t	10,875	Fuel wood
Loživo ulje, ekstra lako	t	743	Fuel oil, light
Loživo ulje, S < 1%	t	2,265	Fuel oil, S < 1%
Loživo ulje, S ≥ 1%	t	21,577	Fuel oil, S ≥ 1%
Utrošak goriva u termoelektranama			Fuel use in thermal power plants
Mrki ugalj	000 t	5,201	Brown coal
Lignit	000 t	4,744	Lignite
Loživo ulje, ekstra lako	t	1,499	Fuel oil, light
Loživo ulje, S ≥ 1%	t	7,283	Fuel oil, S ≥ 1%
Utrošak goriva u energanama			Fuel use in autoproducers
Mrki ugalj	000 t	341	Brown coal
Lignit	000 t	441	Lignite
Prirodni plin	000 Sm ³	11,127	Natural gas
Loživo ulje, S < 1%	t	424	Fuel oil, S < 1%
Loživo ulje, S ≥ 1%	t	4,151	Fuel oil, S ≥ 1%

METODOLOŠKA OBJAŠNENJA

Metodologija za prikupljanje podataka i izradu energetskih 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.*

Izdaje i štampa Agencija za statistiku Bosne i Hercegovine, 71000 Sarajevo, Zelenih beretki 26

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Telefon/Phone: +387 (33) 911 911 · Telefaks/Telefax: +387 (33) 220 622

Elektronska pošta/E-mail : bhas@bhas.ba · Internetska stranica/Web site: <http://www.bhas.ba>

Odgovara direktor Velimir Jukić

Person responsible: Velimir Jukić, Director General

Saopćenje priredila: Nermina Pozderac

Prepared by: Nermina Pozderac

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