



SAOPĆENJE

FIRST RELEASE



Molimo korisnike da prilikom upotrebe podataka obavezno navedu izvor
Users are kindly requested to mention the data source

GODINA/ YEAR II

SARAJEVO, 03.04.2018.

BROJ/ NUMBER 2

VIŠEPODRUČNE STATISTIKE

MULTI DOMAIN STATISTICS

STATISTIKA ENERGIJE

ENERGY STATISTICS

UKUPNI ENERGETSKI BILANS, BiH, 2014-2016

TOTAL ENERGY BALANCE, BIH, 2014-2016

Ukupni energetske bilansi, 2014-2016

Agencija za statistiku Bosne i Hercegovine po prvi put publikuje ukupni statistički energetske bilans za Bosnu i Hercegovinu za seriju godina 2014-2016. uključujući i reviziju ukupnog statističkog bilansa za 2014. godinu.

Podaci su dati u energetske jedinicama, u tonama ekvivalentne nafte (toe). Tona ekvivalentne nafte je konvencionalna jedinica definisana kao tona nafte s neto kaloričnom vrijednošću od 41 868 kJ/kg.

Ukupni energetske bilans predstavlja zbirni prikaz pojedinačnih energetske bilansa.

Metodologija za prikupljanje podataka i izradu energetske bilansa i njihova forma i sadržaj su usklađeni sa standardima i preporukama IEA/OECD i Eurostat-a.

Izrada statističkog energetske bilansa je kontinuiran proces koji će se u narednom periodu nastaviti u cilju unapređenja i nadogradnje kvaliteta podataka. Revizije podataka se mogu očekivati, posebno u oblasti obnovljivih izvora energije koji su u još uvijek u istraživačkoj fazi u statističkom sistemu BiH.

Total energy balances, 2014-2016

Agency for statistics of Bosnia and Herzegovina for the first time published total statistical energy balance for Bosnia and Herzegovina for the years 2014-2016, including the revision of total statistical energy balance for year 2014.

Data are given in energy units of tonnes of oil equivalent (toe). Tonne of oil equivalent is a conventional standardised unit defined on the basis of a tonne of oil with a net calorific value of 41 868 kJ/kg.

Total energy balance represents a sum of individual energy balances.

The methodology for data collection and development of energy balances and their form and content are harmonized with standards and recommendations of the IEA/OECD and Eurostat.

Development of statistical energy balance is a continuous process that will continue with the aim to improve and upgrade the quality of data. The revisions of data may be expected, especially in the field of renewable energy sources that are still in the research phase in the BiH statistical system.

Ukupni energetska bilans, BiH, 2014*
Total energy balance, BiH, 2014*

BILANS 2014 / BALANCE 2014	Ugalj	Sirova nafta	Derivati nafte	Prirodni plin	Hidro	Biomasa	El. energija	Toplota	UKUPNO
	Coal	Crude oil	Oil products	Natural gas	Hydro	Biomass	Electricity	Heat	TOTAL
	000 toe								
Primarna proizvodnja energije / Primary production	3.073	-	-	-	510	744	-	-	4.327
Uvoz / Import	989	970	764	152	-	-	272	-	3.147
Saldo zaliha / Stock changes	- 47	57	- 8	-	-	-	-	-	2
Izvoz / Export	- 357	-	- 305	-	-	- 274	- 516	-	- 1.452
Međunarodna skladišta / Bunkers	-	-	-	-	-	-	-	-	-
Bruto domaća potrošnja energije / Gross inland consumption	3.658	1.027	451	152	510	470	- 244	-	6.024
Energetska transformacija - ulaz / Transformation input	4.003	1.027	34	40	-	-	-	-	5.104
Termoelektrane / Thermal power plants	2.623	-	7	-	-	-	-	-	2.630
Samoproizvođači / Autoproducers	206	-	4	9	-	-	-	-	220
Toplane / District heating plants	18	-	23	31	-	-	-	-	72
Prerada uglja (briketi, koks) / Patent fuel, briquetting and coke-oven plants	1.155	-	-	-	-	-	-	-	1.155
Rafinerije / Refineries	-	1.027	-	-	-	-	-	-	1.027
Energetska transformacija - izlaz / Transformation output	619	-	994	-	-	-	880	119	2.613
Termoelektrane / Thermal power plants	-	-	-	-	-	-	845	32	877
Samoproizvođači / Autoproducers	-	-	-	-	-	-	35	15	50
Toplane / District heating plants	-	-	-	-	-	-	-	72	72
Prerada uglja (briketi, koks) / Patent fuel, briquetting and coke-oven plants	619	-	-	-	-	-	-	-	619
Rafinerije / Refineries	-	-	994	-	-	-	-	-	994
Izmjene i transferi, povratni tokovi / Exchanges and transfers, returns	-	-	-	-	- 510	-	510	-	-
Potrošnja grane energetike / Consumption of the energy branch	4	-	139	-	-	3	122	1	268
Gubici prenosa i distribucije energije / Losses	-	-	-	1	-	-	114	8	123
Raspoloživo za finalnu potrošnju / Available for final consumption	270	-	1.273	111	-	467	910	111	3.143
Finalna ne-energetska potrošnja / Final non-energy consumption	-	-	67	-	-	-	-	-	67
Finalna energetska potrošnja energije / Final energy consumption	270	-	1.206	111	-	467	910	111	3.076
Industrija / Industry	118	-	78	62	-	33	336	1	628
Industrija željeza i čelika / Iron & steel industry	0	-	0	25	-	-	63	-	88
Obojeni metali / Non-ferrous metal industry	35	-	5	26	-	-	152	-	217
Hemijska industrija / Chemical industry	0	-	1	2	-	-	9	-	12
Nemetalni minerali / Glass, pottery & building mat. industry	71	-	10	1	-	-	13	-	96
Vađenje rude i kamena / Ore-extraction industry	1	-	10	-	-	-	8	0	20
Prerada hrane, pića i duhana / Food, drink & tobacco industry	6	-	15	5	-	-	18	0	45
Tekstil i koža / Textile, leather & clothing industry	1	-	2	1	-	-	10	-	14
Papir, celuloza i štampanje / Paper and printing	2	-	7	1	-	-	14	-	24
Mašine i oprema / Engineering & other metal industry	1	-	5	2	-	-	20	0	28
Ostala industrija / Other industries	0	-	23	0	-	33	29	0	85
Saobraćaj / Transport	-	-	987	-	-	-	7	-	994
Ostali sektori / Other sectors	152	-	141	49	-	434	567	110	1.453
Domaćinstva / Households	57	-	85	27	-	412	396	84	1.061
Poljoprivreda / Agriculture	0	-	8	-	-	0	5	-	13
Ostali potrošači / Other	95	-	48	22	-	22	167	26	379
Statistička razlika / Statistical difference	-	-	-	-	-	-	-	-	-

*Prethodni podaci / Preliminary data

Ukupni energetska bilans, BiH, 2015*
Total energy balance, BiH, 2015*

BILANS 2015 / BALANCE 2015	Ugalj	Sirova nafta	Derivati nafte	Prirodni plin	Hidro	Biomasa	El. energija	Toplota	UKUPNO
	Coal	Crude oil	Oil products	Natural gas	Hydro	Biomass	Electricity	Heat	TOTAL
	000 toe								
Primarna proizvodnja energije / Primary production	3.165	-	-	-	477	755	-	-	4.397
Uvoz / Import	958	947	901	177	-	1	333	-	3.317
Saldo zaliha / Stock changes	- 195	- 2	- 71	-	-	- 12	-	-	- 281
Izvoz / Export	- 313	-	- 239	-	-	- 250	- 517	-	- 1.319
Međunarodna skladišta / Bunkers	-	-	-	-	-	-	-	-	-
Bruto domaća potrošnja energije / Gross inland consumption	3.615	944	590	177	477	494	- 184	-	6.114
Energetska transformacija - ulaz / Transformation input	3.952	944	39	45	-	-	-	-	4.980
Termoelektrane / Thermal power plants	2.560	-	7	-	-	-	-	-	2.566
Samoproduvači / Autoproducers	227	-	6	10	-	-	-	-	243
Toplane / District heating plants	21	-	26	35	-	-	-	-	82
Prerada uglja (briketi, koks) / Patent fuel, briquetting and coke-oven plants	1.145	-	-	-	-	-	-	-	1.145
Rafinerije / Refineries	-	944	-	-	-	-	-	-	944
Energetska transformacija - izlaz / Transformation output	621	-	924	-	-	-	867	134	2.546
Termoelektrane / Thermal power plants	-	-	-	-	-	-	825	79	904
Samoproduvači / Autoproducers	-	-	-	-	-	-	42	17	59
Toplane / District heating plants	-	-	-	-	-	-	-	38	38
Prerada uglja (briketi, koks) / Patent fuel, briquetting and coke-oven plants	621	-	-	-	-	-	-	-	621
Rafinerije / Refineries	-	-	924	-	-	-	-	-	924
Izmjene i transferi, povratni tokovi / Exchanges and transfers, returns	-	-	-	-	- 477	-	477	-	-
Potrošnja grane energetike / Consumption of the energy branch	3	-	140	-	-	3	123	1	270
Gubici prenosa i distribucije energije / Losses	-	-	-	0	-	-	120	9	129
Raspoloživo za finalnu potrošnju / Available for final consumption	281	-	1.335	132	-	491	918	125	3.282
Finalna ne-energetska potrošnja / Final non-energy consumption	-	-	70	-	-	-	-	-	70
Finalna energetska potrošnja energije / Final energy consumption	281	-	1.265	132	-	491	918	125	3.212
Industrija / Industry	114	-	104	73	-	27	344	1	662
Industrija željeza i čelika / Iron & steel industry	0	-	0	23	-	-	66	-	90
Obojeni metali / Non-ferrous metal industry	42	-	3	40	-	-	147	-	233
Hemijska industrija / Chemical industry	0	-	3	1	-	-	10	-	14
Nemetalni minerali / Glass, pottery & building mat. industry	62	-	13	1	-	-	14	-	90
Vađenje rude i kamena / Ore-extraction industry	1	-	18	-	-	-	7	-	27
Prerada hrane, pića i duhana / Food, drink & tobacco industry	6	-	27	5	-	-	20	-	57
Tekstil i koža / Textile, leather & clothing industry	2	-	3	1	-	-	10	-	15
Papir, celuloza i štampanje / Paper and printing	0	-	7	1	-	-	17	-	25
Mašine i oprema / Engineering & other metal industry	1	-	6	0	-	-	21	-	29
Ostala industrija / Other industries	0	-	24	0	-	27	30	-	82
Saobraćaj / Transport	-	-	1.030	-	-	-	8	-	1.038
Ostali sektori / Other sectors	167	-	131	59	-	464	566	124	1.512
Domaćinstva / Households	55	-	77	33	-	437	406	97	1.106
Poljoprivreda / Agriculture	0	-	12	-	-	0	5	-	17
Ostali potrošači / Other	111	-	42	26	-	27	155	28	389
Statistička razlika / Statistical difference	-	-	-	-	-	-	-	-	-

*Prethodni podaci / Preliminary data

Ukupni energetska bilans, BiH, 2016*
Total energy balance, BiH, 2016*

BILANS 2016 / BALANCE 2016	Ugalj	Sirova nafta	Derivati nafte	Prirodni plin	Hidro i solar	Biomasa	El. energija	Toplota	UKUPNO
	Coal	Crude oil	Oil products	Natural gas	Hydro & solar	Biomass	Electricity	Heat	TOTAL
	000 toe								
Primarna proizvodnja energije / Primary production	3.521	-	-	-	487	765	-	-	4.773
Uvoz / Import	938	949	1.099	185	-	-	265	-	3.435
Saldo zaliha / Stock changes	- 23	- 78	- 5	-	-	-	-	-	- 107
Izvoz / Export	- 324	-	- 220	-	-	- 250	- 588	-	- 1.382
Međunarodna skladišta / Bunkers	-	-	-	-	-	-	-	-	-
Bruto domaća potrošnja energije / Gross inland consumption	4.112	870	873	185	487	515	- 323	-	6.718
Energetska transformacija - ulaz / Transformation input	4.430	870	29	48	-	-	-	-	5.378
Termoelektrane / Thermal power plants	3.099	-	11	-	-	-	-	-	3.110
Samoproizvođači / Autoproducers	209	-	4	7	-	-	-	-	220
Toplane / District heating plants	21	-	15	42	-	-	-	-	78
Prerada uglja (briketi, koks) / Patent fuel, briquetting and coke-oven plants	1.101	-	-	-	-	-	-	-	1.101
Rafinerije / Refineries	-	870	-	-	-	-	-	-	870
Energetska transformacija - izlaz / Transformation output	600	-	832	-	-	-	1.041	135	2.608
Termoelektrane / Thermal power plants	-	-	-	-	-	-	1.004	79	1.083
Samoproizvođači / Autoproducers	-	-	-	-	-	-	37	17	54
Toplane / District heating plants	-	-	-	-	-	-	-	38	38
Prerada uglja (briketi, koks) / Patent fuel, briquetting and coke-oven plants	600	-	-	-	-	-	-	-	600
Rafinerije / Refineries	-	-	832	-	-	-	-	-	832
Izmjene i transferi, povratni tokovi / Exchanges and transfers, returns	-	-	-	-	- 487	-	487	-	-
Potrošnja grane energetike / Consumption of the energy branch	3	-	137	-	-	3	134	1	278
Gubici prenosa i distribucije energije / Losses	3	-	-	1	-	-	117	9	129
Raspoloživo za finalnu potrošnju / Available for final consumption	276	-	1.538	136	-	512	953	126	3.542
Finalna ne-energetska potrošnja / Final non-energy consumption	-	-	76	-	-	-	-	-	76
Finalna energetska potrošnja energije / Final energy consumption	276	-	1.462	136	-	512	953	126	3.466
Industrija / Industry	93	-	112	76	-	33	351	1	666
Industrija željeza i čelika / Iron & steel industry	0	-	0	19	-	-	70	-	89
Obojeni metali / Non-ferrous metal industry	24	-	1	47	-	-	143	-	216
Hemijska industrija / Chemical industry	0	-	3	1	-	-	11	-	15
Nemetalni minerali / Glass, pottery & building mat. industry	59	-	12	1	-	-	14	-	85
Vađenje rude i kamena / Ore-extraction industry	1	-	16	-	-	-	8	-	24
Prerada hrane, pića i duhana / Food, drink & tobacco industry	6	-	25	5	-	-	22	-	59
Tekstil i koža / Textile, leather & clothing industry	1	-	3	1	-	-	9	-	15
Papir, celuloza i štampanje / Paper and printing	0	-	8	1	-	-	16	-	25
Mašine i oprema / Engineering & other metal industry	1	-	6	0	-	-	24	-	31
Ostala industrija / Other industries	0	-	38	1	-	33	34	1	107
Saobraćaj / Transport	-	-	1.201	0	-	-	6	-	1.208
Ostali sektori / Other sectors	183	-	148	60	-	479	596	125	1.591
Domaćinstva / Households	73	-	85	35	-	447	407	95	1.142
Poljoprivreda / Agriculture	0	-	13	-	-	0	6	-	19
Ostali potrošači / Other	109	-	51	25	-	32	184	30	431
Statistička razlika / Statistical difference	-	-	-	-	-	-	-	-	-

*Prethodni podaci / Preliminary data

METODOLOŠKA OBJAŠNENJA

Primarna proizvodnja energije predstavlja proizvodnju energije u njenom primarnom obliku, tj. energije koja nije bila podvrgnuta procesu transformacije (npr. uglj, biomasa, hidroenergija, solarna energija...).

Uvoz / Izvoz su količine koje su prešle državnu granicu.

Saldo zaliha je razlika između zaliha u prvom danu u godini (početnih zaliha) i zaliha u zadnjem danu u godini (krajnjih zaliha).

Bruto domaća potrošnja energije = primarna proizvodnja energije + uvoz – izvoz + saldo zaliha-međunarodna skladišta.

Energetska transformacija -ulaz je utrošak goriva kao sirovine za proizvodnju energije u termoelektranama, toplanama, rafinerijama, visokim pećima, preradi uglja... .

Energetska transformacija -izlaz je proizvodnja transformisanih oblika energije (termoelektrična energija, toplotna energija, derivati nafte...).

Potrošnja grane energetike je sopstvena potrošnja energije u energetsom sektoru.

Finalna ne-energetska potrošnja obuhvata finalnu potrošnju energije kao sirovine u tehnološkom procesu za proizvodnju neenergetskih proizvoda.

Finalna energetska potrošnja predstavlja finalnu potrošnju energije u industriji, saobraćaju, poljoprivredi, domaćinstvima i ostalim potrošačima.

NOTES OF METHODOLOGY

Primary production is energy production in its primary form, i.e. energy which was not transformed by any process (e.g. coal, biomass, hydro energy, solar energy...).

Import / Export include quantities that crossed the national border.

Stock changes is a difference between stocks on the first day of the year (initial stocks) and stocks on the last day of the year (final stocks).

Gross inland consumption = primary production + import – export + stock changes-bunkers.

Transformation input is consumption of fuel as a raw material for generation of energy in thermal power plants, district heating plants, refineries, blast furnace plants, coal transformation.

Transformation output includes production of transformed energy forms (thermoelectricity, heat, oil derivatives...).

Consumption of the energy branch is energy consumption in energy sector.

Final non-energy consumption includes final consumption of energy as raw material for production of non-energy products in technological process.

Final energy consumption is final energy consumption in industry, transport, agriculture, households and others.

Izdaje i štampa Agencija za statistiku Bosne i Hercegovine, 71000 Sarajevo, Zelenih beretki 26
Published and printed by the Agency for Statistics of the Bosnia and Herzegovina, 71000 Sarajevo, Zelenih beretki 26

Telefon/Phone: +387 (33) 911 911 · Telefaks/Telefax: +387 (33) 220 622
Elektronska pošta/E-mail : bhas@bhas.gov.ba · Internetska stranica/Web site: <http://www.bhas.gov.ba>

Odgovara direktor mr.sc.Velimir Jukić
Person responsible: M.Sci.Velimir Jukić, Director

Saopćenje priredile: mr.sc. Ševala Korajčević, Nermina Pozderac
Prepared by: M Sci Ševala Korajčević, Nermina Pozderac

Podaci iz ovog saopćenja objavljuju se i na internetu
First Release data are also published on the Internet
