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GODIŠNJI IZVJEŠTAJ O POSLOVANJU

Javno preduzeće Elektroprivreda Bosne i Hercegovine d.d.-Sarajevo

ANNUAL BUSINESS REPORT

Public Enterprise Elektroprivreda of Bosnia and Herzegovina d.d. - Sarajevo

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ANNUAL BUSINESS REPORT

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GODIŠNJI IZVJEŠTAJ O POSLOVANJU
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Javnog preduzeća
Elektroprivreda BiHDirector General
Public Enterprise
Elektroprivreda of B&H**MILIJARDU I 155 MILIONA KM PRIHODA***ONE BILLION AND 155 MILLION
BAM OF INCOME*

Ostvareni prihod u iznosu milijardu i 155 miliona KM ili 121 milion KM više od prihoda u prethodnoj godini, proizvedenih 7.009 GWh električne energije, uredno snabdijevanje svih krajnjih kupca na konzumnom području kompanije sa isporukom 4.710 GWh, povećanje nivoa potrošnje u odnosu na 2016. godinu, realizacija obaveze po dugoročnim ugovorima za tržišnu prodaju u količini 1.885 GWh, kratkoročna tržišna prodaje vlastito proizvedene energije u količini 737 GWh, kupoprodaja električne energije u obimu većem od 1.500 GWh, sa iznosom prihoda preko 122 miliona, karakterišu poslovanje u godini u kojoj je, zahvaljujući visokom obimu kupoprodaje, ostvaren rekordan prihod u novijoj istoriji kompanije.

Zbog niskih temperatura tokom zimskih mjeseci, koje su imale direktni odraz na proizvodnju u termoelektranama i odraza loše hidrološke situacije na rad hidro kapaciteta, ostvaren je manji obim proizvodnje električne energije u odnosu na planirani i uobičajni. Nepovoljne vremenske prilike utjecale su na ostvarenje dobiti u iznosu 0,62 miliona KM, što jeste na nivou planirane, ali manje u odnosu na dobiti u prethodnim godinama. Direktna posljedica nepovoljnih vremenskih prilika koje su se u značajnoj mjeri negativno odrazile i na poslovanje drugih elektroprivrednih kompanija u državi i regionu, bilo je povećanje ukupnih troškova proizvodnje u kapacitetima JP Elektroprivreda BiH.

Visok stepen naplate prihoda fakturisanih od strane snabdijevanja i trgovine, u procentu 99,5 doprinio je održanju likvidnosti kompanije, koja je uredno izmirivala svoje obaveze prema dobavljačima, kreditorima, zaposlenicima, fondovima penzijskog i zdravstvenog osiguranja, te državnim institucijama.

Zahvaljujući provedbi aktivnosti s ciljem zadržavanja kupaca, kompanija u izvještajnom periodu nije bila suočena sa gubitkom većeg tržišnog udjela, ali jeste sa gubitkom dijela prihoda zbog nižih prodajnih cijena električne energije za krajnje kupce u odnosu na prethodne godine. Uzrokovano lošim hidrološkim okolnostima, proizvodna cijena i cijena nabavke bile su veće nego u 2015. i 2016. godini, ali su krajnji kupci JP Elektroprivreda BiH u prosjeku plaćali nižu cijenu električne energije u odnosu na dvije navedene godine, s tim da su domaćinstva imala iste tarife.

Nastavak ulaganja u izgradnju novih, te zamjena i rekonstrukcija postojećih proizvodnih i distributivnih objekata, objezbjedilo je kompaniji zadržavanje statusa najznačajnijeg investitora u državi. U okviru procesa dokapitalizacije zavisnih društava - rudnika u sastavu Koncerna EPBiH, u toku 2017. godine, investirano je preko 70 miliona KM, uz provedbu aktivnosti s ciljem povećanja proizvodnje i očuvanja likvidnosti rudnika, prvenstveno kroz značajna avansna plaćanja u postupcima nabavke uglja.

Tokom protekle godine intenzivirani su napori usmjereni ka otklanjanju uočenih slabosti u poslovanju i obezbjeđenju osnovnih preduslova za nastavak održivog poslovanja kompanije i zavisnih društava u sastavu Koncerna.

Elektroprivreda BiH kao najveći proizvođač i snabdijevач električnom energijom u državi, očuvanjem trenda pozitivnog i stabilnog poslovanja, bila je i u 2017. godini značajan faktor očuvanja stabilnosti i integriteta elektroenergetskog sistema, uprkos lošim hidrološkim prilikama i nepovoljnoj ekonomskoj situaciji.

Income realised in the amount of one billion and 155 million BAM or 121 million BAM more than in the previous year, 7.009 GWh of generated electricity, regular supply to all end-buyers at the consumption level of the Company, with 4.710 GWh supplied, increase of the consumption level in comparison with 2016, fulfilment of obligations under long-term contracts for market sales in the amount of 1.885 GWh, short-term market sales of own generated electricity in the amount of 737 GWh and buying and selling of electricity in the volume bigger than 1.500 GWh, with the amount of income exceeding 122 million BAM characterise business activities in the year which saw, due to high level of buying and selling, a record income in the newer history of the Company.

Due to low temperatures during winter months which directly impacted generation in thermal power plants and unfavourable hydrological situation which impacted operations of hydro capacities, the volume of electricity generation was smaller than regular and smaller than planned. Unfavourable weather conditions influenced realisation of profit in the amount of 0.62 million of BAM which is, although still at the level of planned profit, less than profit realised in previous year. The direct consequence of unfavourable weather conditions which also affected negatively operations of other electricity utility companies in the country and in the region, was increase of total costs of production in the capacities of JP Elektroprivreda BiH.

High level of collection of income invoiced under supply and trade, at the rate of 99.5 per cent, contributed to maintaining the liquidity of the Company, which regularly settled its obligations toward suppliers, creditors, employees, pension and health care funds and state institutions.

Due to implementation of activities with the aim of retaining buyers, the Company did not face loss of major market share in the reporting period, but it lost a part of income

due to lower sales prices of electricity for end buyers in comparison with previous years. Due to unfavourable hydrological circumstances, production price and procurement price were higher than in 2015 and 2016, but end-buyers of JP Elektroprivreda BiH paid an average lower price in comparison with the two stated years, while tariffs for households were maintained at the same level.

Continuation of investing in new and replacement and reconstruction of the existing generation and distribution facilities enabled the Company to maintain its status as the most significant investor in the country. During the process of recapitalisation of dependent companies-mines within the EPBiH Concern, more than 70 million BAM was invested in 2017, including implementation of activities with the aim of increasing generation and maintaining liquidity of the mines, primarily through substantial advance payments in coal procurement procedures.

During the previous year, efforts directed toward removal of identified weaknesses in business activities and ensuring basic preconditions for continuation of sustainable activities of the Company and dependent companies within the Concern were intensified.

As the major producer and supplier of electricity in the country, JP Elektroprivreda maintained the trend of positive and stable operations and once again acted as a significant factor in maintaining stability and integrity of the electric energy system, despite unfavourable hydrological conditions and economic situation.

Generalni direktor
Director General

Bajazit Jašarević

UVODNA RIJEČ GENERALNOG DIREKTORA

OPENING STATEMENT OF THE DIRECTOR GENERAL

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VIZIJA I MISIJA

VISION AND MISSION

VIZIJA

VISION

Javno preduzeće Elektroprivreda Bosne i Hercegovine d.d. - Sarajevo svojim društveno odgovornim poslovanjem i profesionalnim integritetom u proizvodnji, distribuciji, pouzdanom snabdijevanju električnom energijom i razvojem tržišta električne energije, biće nosilac i pouzdan partner ostalim privrednim subjektima u ekonomskom razvoju Bosne i Hercegovine.

Javno preduzeće Elektroprivreda Bosne i Hercegovine d.d. - Sarajevo (Public Electric Utility of Bosnia and Herzegovina) by its socially responsible business and professional integrity in generation, distribution, supply of electricity and developing of electricity market will be the carrier and a reliable partner to other economic entities in the economic development of Bosnia and Herzegovina.



MISIJA

MISSION

Misija Društva je proizvoditi i distribuirati električnu energiju, pouzdano snabdijevati kupce električnom energijom i trgovati u konkurentnom okruženju uz korištenje domaćih resursa i zadovoljenje okolinskih zahtjeva, doprinoseći održivom razvoju i kvalitetnom životu društva. Javno preduzeće Elektroprivreda Bosne i Hercegovine d.d.- Sarajevo će:

- Proizvoditi električnu i toplinsku energiju iz domaćih obnovljivih i neobnovljivih resursa u skladu sa okolinskim zahtjevima, važećom zakonskom regulativom i evropskim standardima;
- Obezbjediti efikasan distributivni sistem za isporuku električne energije krajnjim kupcima, i omogućiti svim korisnicima pristup mreži i napajanje električnom energijom po propisanim normama kvaliteta i pružanje informacija;
- Sigurno i pouzdano snabdijevati i trgovati električnom energijom proizvedenom iz domaćih resursa po konkurentnim cijenama;
- Osigurati ekonomski održivu proizvodnju uglja za potrebe termoelektrana, industrije i široke potrošnje po konkurentnoj cijeni;
- Ulagati u razvoj i realizaciju novih kapitalnih investicija, pri čemu će posebnu pažnju posvetiti investiranju u proizvodnju električne energije iz obnovljivih izvora energije, povećanju fleksibilnosti energetskeg portfolija i energetske efikasnosti;
- Vršiti restrukturiranje svih djelatnosti s ciljem povećanja efikasnosti poslovanja i ispunjavanja zahtjeva u okviru Energetske zajednice i evropskih standarda.

Efikasno poslovanje Javno preduzeće Elektroprivreda Bosne i Hercegovine d.d.- Sarajevo bazira na dosljednoj primjeni propisa i standarda i na principima:

- osiguranja kvaliteta proizvoda i usluga,
- povećanja zadovoljstva, sigurnosti i povjerenja kupaca,
- očuvanja životne sredine,
- strateškog planiranja i razvoja zaposlenika,
- obezbjeđenja zaštite zdravlja i sigurnosti na radu,
- obezbjeđenja sigurnosti informacija,
- upravljanja rizicima,
- povećanja energetske efikasnosti,
- društveno odgovornog poslovanja.

The mission of the Company is to generate and distribute electricity, reliably supply it to customers and trade in a competitive environment, using domestic resources and meeting environmental requirements, by contributing to the sustainable development of quality of life of the society.

Javno preduzeće Elektroprivreda Bosne i Hercegovine d.d.- Sarajevo will:

- *Generate electricity and thermal energy from domestic renewable and non-renewable resources in accordance with environmental requirements, applicable regulations and European standards;*
- *Ensure an efficient distribution system for electricity supply to end-customers and enable access to the network to all users of power supply according to prescribed norms of quality and information;*
- *Safely and reliably supply electricity and trade in electricity generated from domestic resources, at competitive prices;*
- *Ensure economically sustainable coal production for the needs of thermal power plants, industry and wide consumption, at competitive price;*
- *Invest in development and implementation of new capital investments, paying special attention to investing in the electricity generation from renewable sources, increasing the flexibility of the energy portfolio and energy efficiency;*
- *Restructure all activities in order to increase operative efficiency and fulfil the requirements within the Energy Community and European standards.*

Efficient business operations of Javno preduzeće Elektroprivreda Bosne i Hercegovine d.d.- Sarajevo are based on consistent application of regulations, standards and principles:

- *Quality assurance for products and services;*
- *Increasing customer satisfaction, security and confidence;*
- *Environment preservation;*
- *Strategic planning and development of employees;*
- *Protection of health and safety at work;*
- *Providing security of information;*
- *Risk management;*
- *Increasing of energy efficiency, and*
- *Socially responsible business operations.*

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STATUTARNI ELEMENTI O DRUŠTVU – ORGANIZACIJA DRUŠTVA

STATUTORY ELEMENTS OF THE
COMPANY-ORGANISATION
OF THE COMPANY

Javno preduzeće Elektroprivreda Bosne i Hercegovine d.d. - Sarajevo (u daljnjem tekstu EPBiH ili Društvo) je elektroprivredno društvo koje obavlja djelatnosti: proizvodnja električne energije, distribucija električne energije, snabdijevanje i trgovina električnom energijom.

Javno preduzeće Elektroprivreda Bosne i Hercegovine d.d.-Sarajevo (Public Electric Utility Company of Bosnia and Herzegovina) (hereinafter referred to as: the “EPBiH” or the “Company”) is a power utility company performing the following activities: generation of electricity, distribution of electricity, supply and trade of electricity.

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COMPANY-ORGANISATION
OF THE COMPANY

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Elektrodistribucija Tuzla

JP ELEKTROPRIVREDA BIH
POSUJE U OKVIRU OSAM
PODRUŽNICA I TO:

- Hidroelektrane na Neretvi, Jablanica
- Termoelektrana „Kakanj“, Kakanj
- Termoelektrana „Tuzla“, Tuzla
- „Elektrodistribucija“ Bihać
- „Elektrodistribucija“ Mostar
- „Elektrodistribucija“ Sarajevo
- „Elektrodistribucija“ Tuzla
- „Elektrodistribucija“ Zenica
uz organiziranu Direkciju u sjedištu Društva

Društvo zastupaju i predstavljaju Generalni direktor, izvršni direktori i direktori podružnica, u skladu sa Statutom i posebnim aktom Uprave Društva.

ORGANI DRUŠTVA SU:

- Skupština
- Nadzorni odbor
- Uprava
- Odbor za reviziju

THE COMPANY OPERATES WITHIN
THE FRAMEWORK OF THE
FOLLOWING EIGHT SUBSIDIARIES:

- *Hydropower Plants on the Neretva River, Jablanica*
- *Thermal Power Plant Kakanj, Kakanj*
- *Thermal Power Plant Tuzla, Tuzla*
- *Elektrodistribucija (Power Supply) Bihać*
- *Elektrodistribucija Mostar*
- *Elektrodistribucija Sarajevo*
- *Elektrodistribucija Tuzla*
- *Elektrodistribucija Zenica
with the Directorate organised in the seat of
the Company.*

The Company is represented by the General Manager, Executive Managers and Managers of Subsidiaries, in accordance with the Statute and special acts of the Company Management.

BODIES OF THE COMPANY
ARE THE FOLLOWING:

- *Assembly*
- *Supervisory Board*
- *Management*
- *Audit Board*

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STATUTARNI ELEMENTI O DRUŠTVU – ORGANIZACIJA DRUŠTVA

STATUTORY ELEMENTS OF THE
COMPANY-ORGANISATION
OF THE COMPANY

UPRAVLJANJE DRUŠTVOM, U SKLADU SA ZAKONOM O PRIVREDNIM DRUŠTVIMA, ZAKONOM O JAVNIM PREDUZEĆIMA I STATUTOM, VRŠI UPRAVA DRUŠTVA KOJU ČINE:

- Generalni direktor
- Izvršni direktor za proizvodnju
- Izvršni direktor za distribuciju
- Izvršni direktor za snabdijevanje i trgovinu
- Izvršni direktor za ekonomske poslove
- Izvršni direktor za pravne poslove i ljudske resurse
- Izvršni direktor za kapitalne investicije

Društvo ima Sekretara Društva čije su nadležnosti utvrđene zakonom i Statutom.

Direkcija Društva je organizirana u sjedištu Društva radi obavljanja zajedničkih funkcija za potrebe Društva kao cjeline, te za potrebe pojedinih elektroprivrednih djelatnosti i zavisnih društava.

PURSUANT TO THE LAW ON COMPANIES, THE LAW ON PUBLIC COMPANIES AND THE STATUTE, THE COMPANY IS MANAGED BY THE MANAGEMENT COMPRISING OF THE FOLLOWING:

- *the General Manager*
- *the Executive Manager for Generation*
- *the Executive Manager for Distribution*
- *the Executive Manager for Supply and Trade*
- *the Executive Manager for Economic Affairs*
- *the Executive Manager for Legal Affairs and Human Resources*
- *the Executive Manager for Capital Investments*

Laws and the Statute determine competencies of the Secretary of the Company.

The Directorate of the Company is organised in the seat of the Company with the purpose of performing joint functions for the needs of the Company as a whole, as well as for the needs of particular electric utility activities and dependent companies.

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OF THE COMPANY

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PRIMJENA PRAVILA
KORPORATIVNOG
UPRAVLJANJACORPORATE
MANAGEMENT RULES
APPLICATION

Društvo je u 2017. godini pratilo i u bitnom dijelu primjenilo sve preporuke utvrđene Kodeksom korporativnog upravljanja JP Elektroprivreda BiH d.d. – Sarajevo od 20.04.2012.godine. U Kodeksu korporativnog upravljanja JP Elektroprivreda BiH d.d. – Sarajevo uvažene su specifičnosti koje proizilaze iz činjenice da je Društvo javno preduzeće, na koje se primjenjuje i Zakon o javnim preduzećima u Federaciji BiH.

U 2017. godini su blagovremeno izvršavane sve obaveze koje se odnose na objavu informacija predviđenih Kodeksom korporativnog upravljanja JP Elektroprivreda BiH d.d. – Sarajevo i Pravilnikom o objavljivanju informacija i izvještavanju na tržištu vrijednosnih papira.

In 2017, the Company complied with and implemented all recommendations defined in the JP Elektroprivreda BiH d.d.-Sarajevo Corporate Management Code of 20 April 2012. It recognises specificities arising from the status of the Company as a public company subject to the Law on Public Companies in the Federation of Bosnia and Herzegovina.

All obligations related to disclosure of information envisaged in the JP Elektroprivreda d.d.-Sarajevo Corporate Management Code and the Rulebook on disclosure of information and reporting in the securities market were fulfilled.

JP Elektroprivreda BiH d.d. – Sarajevo je dioničko društvo. Na dan 28.11.2017.godine, imalo je 2.536 dioničara, od kojih su prvih deset:

Redni broj	Dioničar	Broj dionica	Udio (%)
1.	Federacija Bosne i Hercegovine	28.472.181	90,3691
2.	ZIF „Big – Investiciona grupa“ d.d. Sarajevo	735.420	2,3342
3.	ZIF HERBOS FOND d.d. Mostar	210.800	0,6691
4.	ZIF CROBIH FOND d.d. Mostar	185.808	0,5897
5.	ZIF „prevent INVEST „ d.d. Sarajevo	185.537	0,5889
6.	ZIF „BONUS“ d.d. Sarajevo	154.904	0,4917
7.	ZA IF u preoblikovanju „VIB FOND“ a.d. Banja Luka	149.950	0,4759
8.	Raiffeisen BANK d.d. Bosna i Hercegovina	139.824	0,4438
9.	ZIF „ PROF-PLUS“ d.d. Sarajevo	107.577	0,3414
10.	ABANKA DD LJUBLJANA	88.051	0,2795

JP Elektroprivreda BiH d.d.-Sarajevo is a joint stock company. As of 28 November 2017, the Company had 2536 shareholders. The first ten are shown in the table below:

Number	Shareholder	Number of shares	Share (%)
1	Federacija Bosne i Hercegovine	28.472.181	90,3691
2	ZIF „Big – Investiciona grupa“ d.d. Sarajevo	735.420	2,3342
3	ZIF HERBOS FOND d.d. Mostar	210.800	0,6691
4	ZIF CROBIH FOND d.d. Mostar	185.808	0,5897
5	ZIF „prevent INVEST „ d.d. Sarajevo	185.537	0,5889
6	ZIF „BONUS“ d.d. Sarajevo	154.904	0,4917
7	ZA IF u preoblikovanju „VIB FOND“ a.d. Banja Luka	149.950	0,4759
8	Raiffeisen BANK d.d. Bosna i Hercegovina	139.824	0,4438
9	ZIF „ PROF-PLUS“ d.d. Sarajevo	107.577	0,3414
10	ABANKA DD LJUBLJANA	88.051	0,2795

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STATUTARNI ELEMENTI O DRUŠTVU – ORGANIZACIJA DRUŠTVA

STATUTORY ELEMENTS OF THE COMPANY-ORGANISATION OF THE COMPANY



Skupština Društva Assembly of the Company

Nadležnosti Skupštine Društva, koju čine dioničari, propisane su zakonom i Statutom Društva. Skupština se saziva kada je to određeno zakonom, drugim propisima i Statutom i kada se ocijeni da je to u najboljem interesu Društva i dioničara, a najmanje jednom godišnje.

U 2017. godini održane su četiri (4) Skupštine Društva.

Competencies of the Assembly of the Company, comprising of shareholders, are stipulated by the Law and the Statute of the Company. The Assembly is called for a meeting as prescribed by the Law, other regulations and the Statute and when deemed necessary, in the best interest of the Company and shareholders, but at least once a year.

In 2017, four (4) meetings of the Assembly of the Company were held.



Nadzorni odbor Supervisory Board

Nadzorni odbor nadzire poslovanje Društva i radi na osnovu Zakona o privrednim društvima, Zakona o javnim preduzećima, Statuta Društva i Poslovnika o radu Nadzornog odbora.

Nadzorni odbor se sastoji od sedam članova, koje je izabrala Skupština Društva. Mandat aktuelnog saziva Nadzornog odbora je počeo 26.08.2015.godine.

U TOKU 2017.GODINE NADZORNI ODBOR JE FUNKCIONIRAO U SASTAVU:

- dr.sc Izet Žigić – predsjednik
- dr.sc Milenko Obad – član
- mr.sc Jakub Dinarević – član
- dr.sc. Izudin Džafić – član
- Sead Rešidbegović – član
- Mr.sci. Hasen Mašović – član
- Mirza Hulusić je na Četrdeset i šestoj Skupština Društva, održanoj 23.06.2017.godine, imenovan za člana Nadzornog odbora ispred državnog kapitala, na period do isteka četverogodišnjeg mandata Nadzornog odbora, koji je započeo 26.08.2015.godine.

U toku 2017.godine održane su 22 sjednice Nadzornog odbora.

The Supervisory Board supervises the activities of the Company and operates in accordance with the Law on Companies and the Law on Public Companies, the Statute of the Company and the Rules of procedure of the Supervisory Board.

The Supervisory Board consists of seven members elected by the Assembly of the Company. The term of the current Supervisory Board started on 26 August 2015.

IN 2017, THE SUPERVISORY BOARD CONSISTED OF:

- *Izet Žigić, DSc-President;*
- *Milenko Obad, DSc-Member;*
- *Jakub Dinarević, MSc-Member;*
- *Izudin Džafić, DSc-Member;*
- *Sead Rešidbegović-Member;*
- *Hasen Mašović, MSc-Member; and*
- *Mirza Hulusić, appointed the Member of the Supervisory Board representing the state capital at the 46th session of the Assembly of the Company held on 23 June 2017, for the period up to expiration of a four-year term of the Supervisory Board which started on 26 August 2015.*

During 2017, the Supervisory Board held 22 sessions.

Odbor za reviziju Audit Board

Odbor za reviziju obavlja poslove u skladu sa Zakonom o privrednim društvima, Zakonom o javnim preduzećima, Statutom Društva, Poslovnikom o radu Odbora za reviziju i drugim aktima Društva.

ODBOR ZA REVIZIJU, IMENOVAN NA ČETIRI GODINE, SAS TOJI SE OD 3 ČLANA:

- Mr.sc. Almira Zulić - Burek, dipl.ecc., član
- Mr.sc. Muzafer Brigić, dipl.ecc., član
- Senad Herenda, dipl.ecc., član

The Audit Board operates pursuant to the Law on Companies, the Law on Public Companies, the Statute of the Company, the Rules of procedure of the Audit Board and other documents of the Company.

THE AUDIT BOARD IS APPOINTED FOR A PERIOD OF FOUR YEARS AND CONSISTS OF 3 MEMBERS:

- *Almira Zulić-Burek, MSc, BEcon-Member*
- *Muzafer Brigić, MSc, BEcon-Member*
- *Senad Herenda, BEcon-Member.*

Uprava Društva Management of the Company

Uprava Društva se sastoji od sedam članova koje imenuje Nadzorni odbor Društva.

TOKOM 2017.GODINE, ČLANOVI UPRAVE DRUŠTVA BILI SU:

- Bajazit Jašarević, Generalni direktor
- dr.sc. Nevad Ikanović, Izvršni direktor za proizvodnju
- Esed Džananović, Izvršni direktor za distribuciju, razriješen dana 09.01.2017.godine
- Admir Anđelija, v.d. Izvršnog direktora za distribuciju (imenovan za v.d. počevši od 05.12. 2017.godine, na period do okončanja konkursne procedure, a najduže na vremenski period do 6 mjeseci)
- dr. sc. Džemo Borovina, Izvršni direktor za snabdijevanje i trgovinu

- Muhamed Ražanica, Izvršni direktor za ekonomske poslove
- Mensura Zuka, Izvršni direktor za pravne poslove i ljudske resurse
- dr.sc. Senad Salkić, Izvršni direktor za kapitalne investicije

The Management of the Company consists of seven members appointed by the Supervisory Board of the Company.

IN 2017, THE MANAGEMENT OF THE COMPANY CONSISTED OF THE FOLLOWING MEMBERS:

- *Bajazit Jašarević, General Manager*
- *Nevad Ikanović, DSc, Executive Manager for Generation*
- *Esed Džananović, Executive Manager for Distribution, discharged on 9 January 2017*
- *Admir Anđelija, Acting Executive Manager for Distribution (appointed the Acting Manager on 5 December 2017 for the period of the public vacancy procedure, but not longer than 6 months);*
- *Džemo Borovina, Dsc, Executive Manager for Supply and Trade*
- *Muhamed Ražanica, Executive Manager for Economic Affairs*
- *Mensura Zuka, Executive Manager for Legal Affairs and Human Resources*
- *Senad Salkić, DSc, Executive Manager for Capital Investments*



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U 2017. godini JP Elektroprivreda BiH d.d. - Sarajevo (EPBiH) je proizvela 7.009,0 GWh električne energije. Ostvaren je ukupan prihod u iznosu 1.155,1 miliona KM i dobit 0,6 miliona KM.

Po vrijednosti kapitala, instaliranim kapacitetima, ukupnoj proizvodnji i prodaji električne energije, EPBiH je najveća elektroprivredna kompanija u Bosni i Hercegovini koja opslužuje više od 750 hiljada kupaca u sedam kantona na području Federacije BiH.

Opis		31.12.2017.	Plan 2017.	31.12.2016.
Dionički kapital	mIrd.KM	2,237	2,237	2,237
Operativni prihod	mil.KM	1.107,9	1.004,9	988,8
Operativni rashod	mil.KM	988,7	859,6	814,8
EBITDA	mil.KM	119,2	145,3	174,0
////////////////////////////////////				
		2017	Plan	2016
Ukupan prihod	mil.KM	1.155,1	1.029,8	1.034,2
Prihod od prodaje el.energ. i pom.usl	mil.KM	1.065,7	961,9	948,5
Ostali prihodi	mil.KM	89,4	67,9	85,8
Ukupni rashodi i troškovi	mil.KM	1.154,5	1.029,3	1.021,4
Amortizacija	mil.KM	150,9	151,6	172,0
Neto dobit	mil.KM	0,6	0,5	12,9
////////////////////////////////////				
Opis		2017	Plan	2016
Proizvodnja	GWh	7.009,0	7.694,1	7.245
Neto distribucija	GWh	4.224,8	4.134,7	4.134,2
Tržišna prodaja	GWh	4.606,3	3.239,0	3.253,0
Broj kupaca (kraj godine)		756.594	758.000	750.495
Broj zaposlenih (sa 31.12.)		4.481	4.548	4.615

In 2017, JP Elektroprivreda BiH d.d.-Sarajevo (EPBiH) generated 7.009.0 GWh of electricity. The total recorded income amounted to 1.155.100.00 million BAM, while the recorded profit amounted to 0.6 million BAM.

In terms of value of the capital, installed capacities, total generation and sale of electricity, EPBiH is the largest electric utility company in Bosnia and Herzegovina, serving more than 750.000 customers in seven Cantons in the Federation of Bosnia and Herzegovina.

Description		31 Dec. 2017	2017 Plan	31 Dec. 2016
Share capital	in billion BAM	2.237	2.237	2.237
Operating income	in million BAM	1.107.9	1.004.9	988.8
Operating expense	in million BAM	988.7	859.6	814.8
EBITDA	in million BAM	119.2	145.3	174.0
////////////////////////////////////				
		2017	Plan	2016
Total income	in million BAM	1.155.1	1.029.8	1.034.2
Income from the sale of electricity and auxiliary services	in million BAM	1.065.7	961.9	948.5
Other income	in million BAM	89.4	67.9	85.8
Total income and expenditures	in million BAM	1.154.5	1.029.3	1.021.4
Amortisation	in million BAM	150.9	151.6	172.0
Net profit	in million BAM	0.6	0.5	12.9
////////////////////////////////////				
Description		2017	Plan	2016
Generation	GWh	7.009.0	7.694.1	7.245
Net distribution	GWh	4.224.8	4.134.7	4.134.2
Market sale	GWh	4.606.3	3.239.0	3.253.0
Number of customers (year-end)		756.594	758.000	750.495
Number of employees (as of 31 Dec.)		4.481	4.548	4.615

KLJUČNI POKAZATELJI O DRUŠTVU

COMPANY KEY INDICATORS

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REALISATION OF COMPANY BUSINESS POLICY AND OBJECTIVES

NAJZNAČAJNIJE AKTIVNOSTI EPBIH KOJE SU OBILJEŽILE 2017. GODINU.

THE MOST IMPORTANT ACTIVITIES OF EPBIH IN 2017

Djelatnost proizvodnje

Ukupna ostvarena proizvodnja električne energije u 2017. godini iznosila je 7.009,0 GWh, što je za 685,0 GWh ili 8,90% manje od planirane proizvodnje prema Elektroenergetskom bilansu za 2017. godinu;

Ukupna ostvarena proizvodnja električne energije u hidroelektranama (uključujući i male HE) u 2017. godini je iznosila 1.001,8 GWh i manja je za 477,0 GWh ili 32,26% u odnosu na planiranu proizvodnju prema EEB-u za 2017. godinu;

Ukupna ostvarena proizvodnja električne energije u termoelektranama u 2017. godini iznosila je 6.007,2 GWh i manja je za 208,0 GWh ili 3,35% u odnosu na planiranu prema EEB-u za 2017. godinu;

Ukupna nabavka uglja u 2017. godini iznosila je 6.035.697 tona, a što je za 754.248 tona ili 11,11% manje u odnosu na ugovorenih 6.789.945 tona uglja;

Za potrebe proizvodnje električne energije, toplotne energije i tehnološke pare u termoelektranama ukupno je utrošeno 6.162.227 tona uglja.

Generation activities

Total electricity generation in 2017 amounted to 7.009.0 GWh, which is by 685.0 GWh or 8.90 per cent less than the generation planned in the 2017 Electric Energy Balance (2017 EEB);

Total electricity generation in hydro power plants (including small HPPs) in 2017 amounted to 1.001.8 GWh, which is by 477.0 GWh or 32.26 per cent less than the generation planned in the 2017 EEB;

Total electricity generation in thermal power plants in 2017 amounted to 6.007.2 GWh, which is by 208.0 GWh or 3.35 per cent less than the generation planned in the 2017 EEB;

Total purchase of coal in 2017 amounted to 6.035.697 tons, which is by 754.248 tons or 11.11 per cent less than the contracted 6.789.945 tons;

The total of 6.162.227 tons of coal were used for electricity generation, thermal energy and process steam.

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Djelatnost snabdijevanja

- Ukupna isporuka električne energije krajnjim kupcima ostvarena je u količini 4.698,1 GWh, što je za 2,6 % više u odnosu na 2016. godinu, a za 1 % više od planirane ukupne potrošnje;
- Realizovana je Odluka o primjeni Odluke o provedbi mjera za smanjenje troškova električne energije domaćinstvima i stimulaciji energetske efikasnosti;
- Ostvaren je stepen naplate 99,4% za 2017. godinu (bez salda potraživanja iz ranijih godina), a 94,8% (sa saldonom potraživanja iz ranijih godina) posmatrajući odnos fakturisanog i ukupno naplaćenog prihoda u tekućoj godini;
- Realizovane su aktivnosti na provođenju Odluke Vlade Federacije BiH o utvrđivanju povoljnijih uslova za zaključivanje ugovora o izmirenju dospjelog duga prema javnim preduzećima sa većim brojem javnih ustanova i privrednih društava;
- Usvojena je Poslovna politika obračuna i naplate;
- Kontinuirano unaprijeđenje usluge e-račun i provedene marketinške aktivnosti na promociji e-računa;
- Omogućeno je plaćanje računa za električnu energiju putem trajnih naloga i elektronskih naloga kod Unicredit banke, Sparkasse banke, BBI banke, Sber banke i ASA banke;
- Implementirana usluga sms provjera stanja računa.

Supply activities

- *Total supply of electricity to end-customers amounted to 4.698.1 GWh, which is by 2.6 per cent more in comparison with 2016 and by 1 per cent more than the planned total consumption;*
- *The Decision on implementation of the Decision on implementation of measures for decreasing electricity costs for households and stimulation of energy efficiency was implemented;*
- *The collection rate in 2017 was 99.4 per cent (excluding balance of receivables from previous years, and 94.8 per cent (including balance of receivables from previous years), observing the ratio of invoiced and total collected income in the current year;*
- *Activities related to implementation of the Decision of the Government of the Federation of Bosnia and Herzegovina on determining more favourable conditions for conclusion of contracts on settlement of matured debt toward public companies with a number of public institutions and companies were completed;*
- *The Calculation and Collection Business Policy was adopted;*
- *Continuous improvement of e-bill service and marketing activities related to promotion of e-bills;*
- *Electricity bills payment through standing orders and electronic orders with UniCredit Bank; Sparkasse Bank, BBI Bank, Sberbank and ASA Bank was enabled;*
- *SMS account balance check was implemented.*

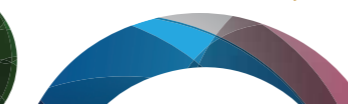
Djelatnost distribucije

- Neto distributivna potrošnja ostvarena je u količini 4.224,8 GWh i bila je za 90,1 GWh ili za 2,2% veća u odnosu na planiranu potrošnju za 2017. godinu, a za 90,6 GWh ili za 2,2% veća od ostvarenja iz 2016. godine;
- Distributivni gubici, u odnosu na bruto distributivnu potrošnju, ostvareni su u količini 402,4 GWh (8,51%) i manji su za 9,1% u odnosu na planirani iznos gubitaka; procenat distributivnih gubitaka je smanjen u odnosu na 2016. godinu (kada je iznosio 8,95%);
- Indeks broja prekida po kupcu (SAIFI), a razmatrajući cijeli elektrodistributivni sistem, ostvaren je za 7% lošiji u odnosu na vrijednost ostvarenu u istom periodu prethodne godine; osnovni razlog su lošije vremenske prilike posebno na područjima ED Tuzla i ED Zenica;
- Završena je implementacija Projekta MDM sistema i proširenje AMI infrastrukture u JP Elektroprivreda BiH;
- U toku su radovi na implementaciji Projekta SCADA/DMS/OMS i pripadajućih telekomunikacija na distributivnom nivou;
- Proširen je sistem daljinskog nadzora i upravljanja.

Distribution activities

- *Net distributive consumption amounted to 4.224.8 GWh, which is by 90.1 GWh or 2.2 per cent more than the consumption planned for 2017, and by 90.6 GWh or 2.2 per cent more than the consumption in 2016;*
- *Distribution losses, in comparison with the gross distribution consumption, amounted to 402.4 GWh (8.51 per cent), which is by 9.1 per cent less than the planned losses; the percentage of distribution losses decreased in comparison with 2016 (8.95 per cent in 2016);*
- *In view of the overall electricity distribution system, the System Average Interruption Frequency Index (SAIFI) is by 7 per cent lower than in the same period of the previous year, mainly due to unfavourable weather conditions, especially in areas covered by Elektrodistribucija Tuzla and Elektrodistribucija Zenica;*
- *Completion of MDM System implementation and enhancement of AMI infrastructure in the Company;*
- *Distance supervision and management system were enhanced.*

e-račun



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Djelatnost trgovine

- Ukupna prodaja električne energije ostvarena je u količini 4.606,7 GWh, što je za 34,4% više od planirane prodaje, odnosno za 41,6% više od ostvarene u 2016. godini;
- Ukupan prihod od prodaje električne energije ostvaren je u iznosu 366,38 mil. KM, što je za 41,7 % više od planiranog prihoda, odnosno za 40,9% više od ukupno ostvarenog prihoda od prodaje električne energije u 2016. godini;
- Djelatnost trgovine ostvarila je prihod na kapacitetima od pomoćnih usluga u iznosu 10,74 mil. KM, što je za 11,5% više od planiranog prihoda po ovom osnovu;
- Ukupna kupovina električne energije ostvarena je u količini 2.577,5 GWh, odnosno, ukupni troškovi za kupovinu električne energije ostvareni su u iznosu 233,2 mil. KM, uglavnom zbog povećane trgovine-kupoprodaje električne energije na tržištu, kao i potrebe energetske konsolidacije.

Trade activities

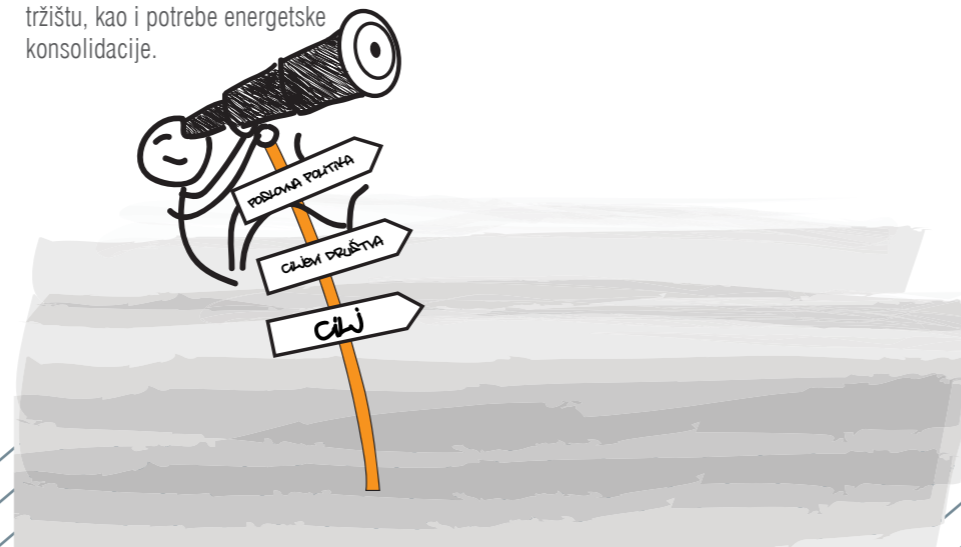
- Total sales of electricity amounted to 4.606.7 GWh, which is by 34.4 per cent more than planned and by 41.6 per cent more than what was achieved in 2016;
- Total income from electricity sales amounted to 366.38 million BAM, which is by 41.7 per cent more than planned and by 40.9 per cent more than the total income from electricity sales in 2016;
- Trade activities derived income on capacities from auxiliary services in the amount of 10.74 million BAM, which is by 11.5 per cent more than planned;
- Total purchased electricity amounted to 2.577.5 GWh, i.e. total costs for purchase of electricity amounted to 233.2 million BAM, mostly due to increased trade-buying and selling of electricity in the market, and the need for energy consolidation.

Ekonomski poslovi

- Održana je likvidnost Društva, uz redovno ispunjavanje obaveza prema rudnicima, dobavljačima, budžetskim organizacijama, zaposlenim i kreditorima;
- Obezbjeđena je adekvatna disperzija rizika u smislu rasporeda depozita i gotovinskih sredstava kod poslovnih banaka;
- Realizirane su aktivnosti na obezbjeđenju eksternih izvora za buduće kapitalne investicije;
- Vršena je aktivna računovodstvena podrška Upravi te drugim internim i eksternim korisnicima uz ažurno evidentiranje poslovnih promjena;
- Finansijski izvještaji i druge obaveze u sklopu finansijskog poslovanja podneseni su na vrijeme nadležnim organima (polugodišnji i godišnji obračun, mjesečne PDV prijave, konsolidovani izvještaj za Koncern /Grupu, finansijsko izvještavanje FERK-a, statističko izvještavanje i dr);
- Pripremljen i pred kraj 2017. godine usvojen trogodišnji Plan poslovanja Društva za period 2018-2020. godina;
- U toku prve trećine godine provedene su aktivnosti na implementaciji Zakona o porezu na dobit (novi Zakon usvojen tokom 2016. godine), uključujući i segment transfernih cijena.

Economic affairs

- Liquidity of the Company was maintained, including regular fulfilment of obligations toward mines, suppliers, budget organisations, employees and creditors;
- Adequate risk dispersion was ensured in view of distribution of deposits and cash resources with commercial banks;
- Activities related to ensuring external sources for future capital investments were implemented;
- Active accounting support was extended to the Management and other internal and external users, including timely recording of business changes;
- Financial reports and other requirements under financial operations were submitted in a timely manner to competent authorities (semi-annual and annual account, monthly VAT returns, consolidated report for the Concern/Group, financial reporting to FERK (Electric Energy Regulatory Commission in the Federation of Bosnia and Herzegovina, statistical reporting and other);
- The Three-year Business Plan of the Company 2018-2022 was prepared and adopted in the end of 2017;
- Activities related to the Law on Tax on Profit (new Law was adopted in 2016), including transfer prices segment, were implemented.



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Pravni i kadrovski poslovi

- Provođenje aktivnosti na zastupanju EPBiH u postupcima pred sudovima u BiH;
- Provođenje aktivnosti na izradi i analizi normativnih akata, odnosno učešće u rješavanju zahtjeva zavisnih društava-rudnika uglja, kao i u pripremi akata zavisnih društava-rudnika uglja;
- Provođenje aktivnosti na izradi i analizi normativnih akata za potrebe elektroprivrednih djelatnosti;
- Učešće u aktivnostima sačinjavanja složenih ugovora i ugovora velike vrijednosti u Društvu;
- Provođenje postupaka eksproprijacije zemljišta u vezi sa kapitalnim investicijama kao i pružanje druge vrste pravne podrške u vezi sa kapitalnim investicijama;
- Registracija i poslovi registracije u vezi sa poduzimanjem aktivnosti izmjene lica ovlaštenih za predstavljanje i zastupanje svih podružnica;
- Rješavanje imovinsko-pravnih odnosa za nekretnine Društva u inostranstvu;
- Harmonizacija akata zavisnih društava sa aktima Vladajućeg društva, kao i priprema i izrada uputstava, odluka, smjernica i dr;
- Provođenje aktivnosti i poslova iz oblasti upravljanja ljudskim resursima, kadrovskih poslova i radnih odnosa na nivou Društva.

Legal affairs and human resources

- *Implementation of activities related to representation of the Company in procedures before courts in Bosnia and Herzegovina;*
- *Implementation of activities related to preparation and analysis of normative documents, participation in requests of dependent companies-coal mines, as well as in preparation of documents of dependent companies-coal mines;*
- *Implementation of activities related to preparation and analysis of normative documents for the needs of electric utility activities;*
- *Participation in preparation of complex and high-value contracts in the Company;*
- *Land expropriation procedures related to capital investments, as well as other types of legal support related to capital investments;*
- *Registration and registration activities related to change of persons authorised to represent all subsidiaries;*
- *Resolution of legal property issues related to the real estates of the Company located abroad;*
- *Harmonisation of documents of dependent companies with the documents of the Parent Company, as well as preparation of instructions, decisions, guidelines and alike;*
- *Activities related to human resources management and employment at the level of the Company.*

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Kapitalne investicije

Realizirane aktivnosti su se odnosile na izgradnju HE „Vranduk“, pripremu izgradnje novih blokova u termoelektranama, te izgradnju hidroelektrana i malih elektrana iz obnovljivih i alternativnih izvora energije, a obuhvatale su:

- Izradu investiciono tehničke dokumentacije;
- Pribavljanje potrebnih dozvola i saglasnosti;
- Vođenje postupaka za dodjelu koncesija;
- Eksproprijaciju zemljišta;
- Zatvaranje finansijske konstrukcije, pripremu tenderske dokumentacije za izbor isporučilaca opreme i izvođača za usluge i radove.

Capital investments

Implemented activities included construction of HPP Vranduk, preparation of construction of new blocks in thermal power plants and construction of hydro power plants and small plants from renewable and alternative energy sources and consisted of:

- *Preparation of investment-technical documentation;*
- *Obtaining necessary permits and approvals;*
- *Concessions award procedures;*
- *Land expropriation;*
- *Preparation of financial construction, preparation of tender documents for selection of equipment suppliers and services and works contractors.*



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REALISATION OF COMPANY BUSINESS POLICY AND OBJECTIVES

Oblast razvoja

- Inoviranje „Dugoročnog plana razvoja JP Elektroprivreda BiH do 2035. godine“;
- Izrada više studija u vezi sa proizvodnjom iz obnovljivih izvora, kogeneracije te djelatnosti distribucije;
- Izrada Idejnog projekta daljinskog grijanja područja do/i Sarajeva iz TE „Kakanj“;
- Podloge za „Indikativni plan razvoja proizvodnje za period 2019-2028“ - NOS BiH;
- Učešće u projektu Cool Heating (grant iz programa Horizon 2020); i ELEMEND (grant sredstva iz programa ERASMUS);
- Realizacija pilot projekta „Instalacija prve javne punionice za električna vozila na lokalitetu PTZ Direkcija EPBiH“ sa promocijom projekta;
- Prestrukturiranje ZD rudnika uglja Koncerna EPBiH u skladu sa Inoviranim akcionim planom za prestrukturiranje ZD rudnika uglja Koncerna EPBiH (aktivnosti su i dalje u toku);
- Prestrukturiranje EPBiH u skladu sa usvojenim Planom aktivnosti za prestrukturiranje EPBiH - I faza prestrukturiranja EPBiH bez pravnog odvajanja ODS (aktivnosti su i dalje u toku);
- Sačinjena „Fizibiliti studija opravdanosti osnivanja kćerka firmi EPBiH u Sloveniji, Hrvatskoj i Srbiji koje bi se bavile trgovinom i snabdijevanjem električnom energijom u ovim zemljama“;
- Završetak aktivnosti na uspostavljanju sveobuhvatnog upravljanja zalihama u EPBiH;
- Sačinjen Elaborat „Usporedna analiza EPBiH i elektroprivrednih kompanija u regiji u uvjetima poslovanja na otvorenom tržištu električne energije“;
- Završetak aktivnosti na uspostavljanju kompanije TTU Energetik d.o.o. Tuzla za proizvodnju i održavanje transportnih sistema u energetsom sektoru, u većinskom vlasništvu EPBiH, a na osnovi sačinjenog i revidiranog predmetnog Elaborata tehno-ekonomske opravdanosti;
- Izrada Studije „Perspektive razvoja novog biznisa EPBiH u sektoru punjenja električnih vozila“ (aktivnosti su u završnoj fazi).

Development

- *Update of the Long term development plan of JP Elektroprivreda BiH to 2035;*
- *Preparation of multiple studies related to generation from renewable sources, co-generation and distribution activities;*
- *Preparation of the Preliminary Design for the project of distance heating of the area to Sarajevo and including Sarajevo from TPP Kakanj;*
- *Basis for the Indicative Generation Development Plan 2019-2028-NOS BiH;*
- *Participation in the CoolHeating Project (Horizon 2020 Programme grant) and ELEMEND (ERASMUS Programme grant);*
- *Implementation of a pilot project entitled Installation of the First Electric Vehicles Filling Station in PTZ EPBiH Directorate, including promotion of the Project;*
- *Restructuring of dependent companies-coal mines of the EPBiH Concern in accordance with the Innovated Action Plan for restructuring of dependent companies-coal mines of the EPBiH Concern (activities are still being implemented);*
- *Restructuring of EPBiH in accordance with the adopted Action Plan for restructuring of EPBiH-First phase of restructuring without legal separation of ODS (activities are still being implemented);*
- *The Feasibility study of justifiability of establishing EPBiH daughter companies in Slovenia, Croatia and Serbia for electricity trade and supply in these countries was prepared;*
- *Completion of activities related to establishment of comprehensive management of inventory in EPBiH;*
- *Elaborate entitled Parallel analysis of EPBiH and electric utility companies in the region in the conditions of business operations in the open electricity market was prepared;*
- *Completion of activities related to establishment of TTU Energetik d.o.o. Tuzla for production and maintenance of transport systems in the energy sector, in major ownership of EPBiH, on the basis of prepared and revised relevant Elaborate of technical and economic justifiability;*
- *Preparation of a study entitled Perspectives of development of a new EPBiH business in the sector of electric vehicles filling (activities are in their final stage).*

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REALIZACIJA
POSLOVNE
POLITIKE I
CILJEVA
DRUŠTVAREALISATION OF
COMPANY
BUSINESS POLICY
AND OBJECTIVESREALIZACIJA OKOLINSKE POLITIKE I
PLANOVA ZAŠTITE OKOLINE
IMPLEMENTATION OF ENVIRONMENT POLICY AND
ENVIRONMENT PROTECTION PLANSTE "Tuzla"
TPP Tuzla

Dobiveno je Rješenje o vodnoj dozvoli za ispuštanje tehnoloških otpadnih voda sa lokacije TE „Tuzla“ Tuzla i deponije šljake i pepela od strane Agencija za vodno područje rijeke Save.

The Decision on water permit for discharge of technological waste waters from the location of TPP Tuzla and slag and ash depot by the Sava River Watershed Agency.

Projekat Izgradnja zatvorenog sistema
povratnih voda u TE "Tuzla"
Project Construction of closed
re-circulated waters system in TPP Tuzla

Projekat Izgradnje zatvorenog sistema povratnih voda je završen. Navedenim Projektom značajno je smanjena količina otpadnih voda, zadovoljeni zakonski propisi kada je u pitanju kvaliteta otpadnih voda, koje se ispuštaju u prirodni recipijent, smanjena je potrošnja sirove vode.

The Project of construction of the closed re-circulated waters system is completed. The stated Project significantly reduced waste waters, fulfilled legal regulations related to the quality of waste waters discharged into a natural recipient and decreased consumption of raw water.

Projekat Prilagođenje sistema ekološkog
monitoringa prema Pravilniku 09/14
Project Alignment of the environment
monitoring system with Rulebook 9/14

U 2017. godini, izvršena je nabavka i ugradnja opreme na zamjeni hardverskog i softverskog dijela sistema ekološkog monitoringa, pri čemu je usaglašen programski alat monitoringa emisije u zrak sa standardom BAS EN 14181. Ovim je okončan i kolaudiran Projekat Prilagođenje sistema ekološkog monitoringa prema Pravilniku 09/14.

Pored navedenog projekta, Termoelektrana "Tuzla" je veliku pažnju posvetila tačnosti i pouzdanosti sistema mjerenja emisija u zrak.

Procurement and installation of equipment with the aim of replacing hardware and software parts of environment monitoring was completed in 2017, thus harmonising the programme tool for monitoring air emission with the BAS EN 14181 standard and completing and approving the Project Alignment of the environment monitoring system with Rulebook 9/14.

In addition to the stated Project, TPP Tuzla paid great attention to accuracy and reliability of the air emission measuring system.

Rashladni tornjevi TE Tuzla

TE "Kakanj"
TPP Kakanj

- Pokrenuta aktivnost na pribavljanju okolinske dozvole za projekat odsumporavanja i denitrifikacije dimnih plinova za blokove 5, 6 i 7, što je neophodno s ciljem ishodovanja drugih neophodnih dozvola za izgradnju postrojenja za odsumporavanje i denitrifikaciju dimnih plinova u TE „Kakanj“;
- Ugovoreno umjeravanje opreme za kontinuirani monitoring emisije prema BAS EN 14181 će omogućiti ispunjenje zakonskih zahtjeva u provođenju postupka validacije podataka o emisiji zagađujućih materija u zrak iz TE „Kakanj“;
- Pokrenute su aktivnosti mjerenja nivoa smanjenja emisije buke sa Bloka 7 s ciljem provjere intenziteta buke na izvoru buke, te u bližoj okolini Termoelektrane. Realizacija ove aktivnosti je ispunjenje jednog od zahtjeva iz okolinske dozvole. U vezi s tim, ukoliko izmjereni nivoi buke budu prevazilazili dozvoljene nivoje buke Termoelektrana će provesti potrebne mjere smanjenja emisije buke na izvorima buke;
- Pokrenute aktivnosti umjeravanja opreme stanice za praćenje kvaliteta zraka u Kakanju, odnosno umjeravanje analizatora za mjerenje sadržaja NOx, SO2, CO, PM10 u zraku, te meteo parametara će omogućiti ispunjenje zahtjeva iz postojeće okolinske dozvole TE „Kakanj“;
- Pokrenute aktivnosti na ishodovanju Prethodne vodne saglasnosti za projekat odsumporavanja i denitrifikacije dimnih plinova za blokove 5, 6 i 7, što će omogućiti ishodovanje drugih neophodnih dozvola za izgradnju postrojenja za odsumporavanje i denitrifikaciju dimnih plinova u Termoelektrani.

- *Activities related to obtaining environmental approval for desulphurisation and denitrification of flue gases for Blocks 5, 6 and 7 were initiated with the aim of obtaining other necessary approvals for construction of the plant for desulphurisation and denitrification of flue gases in TPP Kakanj;*
- *Calibration of equipment for continuous monitoring of emission in accordance with BAS EN 14181 was contracted, which will enable fulfilment of legal conditions related to the procedure of validation of data on air emission of pollutants from TPP Kakanj;*
- *Activities of measuring the level of noise emission decrease from Block 7 were initiated with the aim of inspecting the noise level at the source and in the area close to the TPP. Implementation of this activity represents fulfilment of one of the requests stated in the Environmental Permit. In this regard, in case the measured levels of noise exceed the allowed levels, the TPP will implement necessary measures for decreasing noise emission at the source;*
- *Activities of calibration of the equipment of the measuring station for monitoring air quality in Kakanj were initiated-calibration of analysers for measuring the NOx, SO2, Co*

and PM10 content in the air and meteorological parameters will enable fulfilment of requests stated in the present Environmental Permit for TPP Kakanj;

- *Activities related to obtaining the Preliminary Water Approval for the Project of desulphurisation and denitrification of fuel gases for Blocks 5, 6 and 7 were initiated, thus enabling issuance of other necessary permits for construction of the plant for desulphurisation and denitrification of fuel gases in the TPP.*

HE na Neretvi
HPP on the Neretva River

Prema važećim okolinskim dozvolama HE „Jablanica“, HE „Grabovica“ i HE „Salakovac“ redovno se provode aktivnosti:

- Zaštita kvaliteta voda;
- Zaštita kvaliteta zraka;
- Upravljanje otpadom;
- Minimiziranje negativnih utjecaja buke;
- Minimiziranje negativnog utjecaja na faunu;
- Minimiziranje ostalih negativnih utjecaja na okolinu.

In accordance with present Environmental Permits for HPP Jablanica, HPP Grabovica and HPP Salakovac, the following activities are regularly implemented:

- *Water quality protection;*
- *Air quality protection;*
- *Waste management;*
- *Minimisation of negative noise effects;*
- *Minimisation of the implications for fauna;*
- *Minimisation of other negative environment effects.*

TE Kakanj



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REALIZACIJA POSLOVNE POLITIKE I CILJEVA DRUŠTVA

REALISATION OF COMPANY BUSINESS POLICY AND OBJECTIVES

Opći poslovi

- Realizacija ugovorenih poslova u vezi sa pružanjem usluga fizičko - tehničke zaštite i transporta novca;
- Kontinuirano vršene aktivnosti na provođenju usvojenog Sistema upravljanja zdravljem i sigurnošću na radu OHSAS 18001:2007;
- Periodični ljezarski pregledi zaposlenika na radnim mjestima sa posebnim uslovima rada i sistematski ljezarski pregledi ostalih zaposlenika, ispitivanje lične zaštitne opreme na radu i sredstava za rad, kao i provedeno djelimično ispitivanje fizičkih, hemijskih i bioloških štetnosti i mikroklima u radnoj sredini, tehničko ispitivanje opreme iz zaštite od požara, pregled strujnih krugova i gromobranskih instalacija u skladu sa zakonskom regulativom; izvođenje obuke i testiranje zaposlenika iz zaštite od požara, testiranje Plana zaštite i spašavanja ljudi i materijalnih dobara od prirodnih i drugih nesreća u poslovno tehničkoj zgradi JP Elektroprivreda BiH d.d.-Sarajevo u slučaju mogućih realnih incidentnih situacija;
- Proveden recertifikacijski ciklus (recertifikacijski i dva nadzorna audita) sistema upravljanja prema ISO 9001 i OHSAS 18001 u Direkciji Društva (certifikati br. MS 206416 i MS 2016516);
- Izvršena tranzicija sa ISO 9001:2018 na ISO 9001:2015.;
- Kontinuirane aktivnosti – nadzor, održavanje i poboljšanje sistema upravljanja prema ISO 9001 i OHSAS 18001 u Direkciji Društva;
- Kontinuirane aktivnosti - saradnja sa podružnicama i zavisnim društvima u oblasti sistema upravljanja prema međunarodnim standardima i izrada dokumenata koji se primjenjuju u JP Elektroprivreda BiH i/ili zavisnim društvima;
- Kontinuirane aktivnosti nabavke i ažuriranja referentnih standarda (tehničkih, okolinskih, kvaliteta,...) od Instituta za standardizaciju BiH za potrebe JP Elektroprivreda BiH;
- Učešće u aktivnostima na prodaji samačke zgrade i garaža TE „Kakanj“ i garaža HE na Neretvi, Jablanica, i eksproprijaciji nekretnina sa Općinom Jablanica;
- Započete aktivnosti na etažiranju PTZ EPBiH u svrhu regulisanja suvlasničkih odnosa sa Elektroprijenosom BiH a.d. Banja Luka, OP Sarajevo;
- Kontinuirane aktivnosti sa Agencijom za privatizaciju na povratu imovine u RH - imovine upisane u Centralni registar pasivnog podbilansa i saradnja sa rudnicima vezano za povrat imovine rudnika.

General affairs

- Implementation of contracted activities related to provision of physical and technical protection and money transport services;
- Continuous implementation of activities related to the adopted Health and safety at work management system OHSAS 18001:2007;
- Periodical medical examinations of employees working in special working conditions and systematic medical examinations of other employees, examination of personal safety equipment and other equipment, as well as partial examination of physical, chemical and biological hazards and micro climate in the working environment, technical inspection of fire protection equipment, inspection of circuits and lightning rods installations in accordance with regulations; training and testing of employees in fire protection, testing the Plan of protection and rescue of people and material goods from natural and other disasters in the business and technical building of JP Elektroprivreda BiH d.d.-Sarajevo in case of possible real incidents;
- Recertification cycle (recertification and two supervision audits) of the management system in accordance with ISO 9001 and OHSAS 18001 were completed in the Directorate of the Company (certificates No.: MS 206416 and MS 2016516);
- Transition from ISO 9001:2018 to ISO 9001:2015 was completed;
- Continuous activities-cooperation with subsidiaries and dependent companies in the area of management system in accordance with international standards and preparation of documents applied in JP Elektroprivreda BiH and/or dependent companies;
- Continuous activities of procurement and updating of referent standards (technical, environmental, quality, etc.) from the Institute for Standardisation of Bosnia and Herzegovina for the needs of JP Elektroprivreda BiH;
- Participation in activities of selling the unaccompanied personnel building and garages of TPP Kakanj and garages of HPP on the Neretva River, Jablanica, and expropriation of real estates in cooperation with the Municipality of Jablanica;
- Activities related to apportioning of EPBiH business and technical building (BTB) were initiated with the aim of regulating joint ownership with Elektroprenos BiH a.d. Banja Luka, OP Sarajevo;
- Continuous activities in cooperation with the Agency for Privatisation related to restitution of property in the Republic of Croatia-property registered in the Central registry of passive sub-balance and cooperation with mines related to restitution of mines' property.

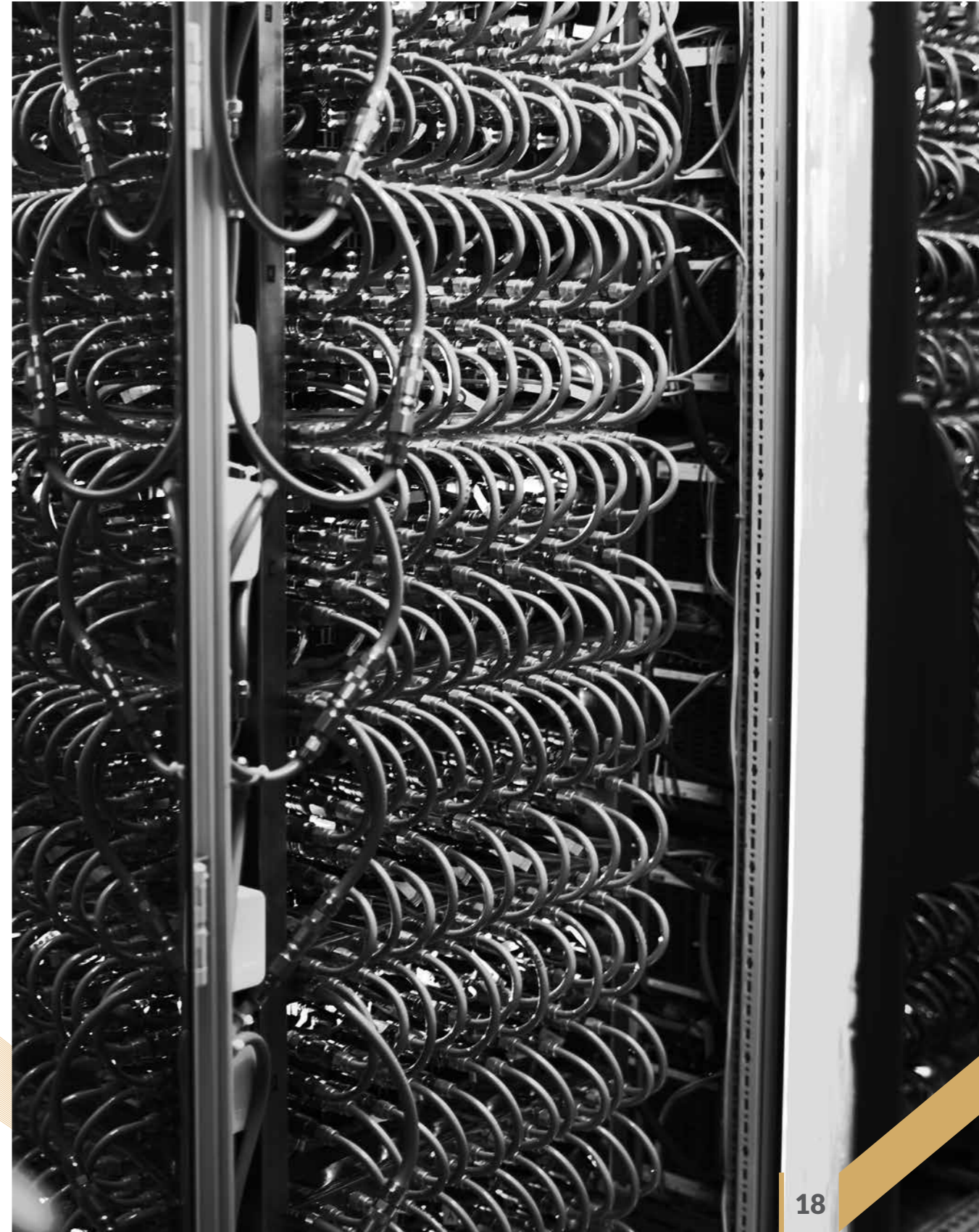
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REALIZACIJA POSLOVNE POLITIKE I CILJEVA DRUŠTVA

REALISATION OF COMPANY BUSINESS POLICY AND OBJECTIVES

Oblast IKT-a ICT

- Obezbeđivanje operative podrške za 47 poslovnih servisa koji su definirani Katalogom poslovnih IKT servisa, a čiji su korisnici različite djelatnosti unutar EPBiH;
 - Obezbeđivanje IKT infrastrukturne i servisne osnove za uvođenje novih servisa, s ciljem podrške uspješnom vođenju, upravljanju i održavanju elektroenergetskog sistema i efikasnom provođenju svih poslovnih procesa i planiranju razvoja elektroenergetskog sistema;
 - Izgradnja IKT infrastrukture u skladu sa zakonskom regulativom i propisima Regulatorne agencije za komunikacije, te politikom sigurnosti IKT sistema;
 - Obezbeđivanje integriteta informacija u IKT sistemu kroz konsolidaciju tehničkog i poslovnog informacionog sistema;
 - Kontinuirano poboljšavanje sistema za upravljanje servisima;
 - Aktivno učešće u realizaciji IKT projekata u ZD – rudnicima uglja, na razvoju IKT sistema;
 - Aktivno učešće u realizaciji razvojnih i kapitalnih projekata.
- *Ensuring operative support for 47 business services defined in the Catalogue of business ICT services, used in different activities within the Company;*
 - *Ensuring ICT infrastructure and service basis for introduction of new services with the aim of supporting successful management and maintenance of electric energy system and efficient implementation of all business processes, as well as planning the development of electric energy system;*
 - *Construction of ICT infrastructure in accordance with laws and regulations of the Regulatory Agency for Communications and the ICT system safety policy;*
 - *Ensuring integrity of information in the ICT system through consolidation of technical and business information system;*
 - *Continuous improvement of services management system;*
 - *Active participation in implementation of ICT projects in dependent companies-coal mines, related to development of the ICT system;*
 - *Active participation in implementation of development and capital projects.*



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GODIŠNJI IZVJEŠTAJ O POSLOVANJU
ANNUAL BUSINESS REPORT

REALIZACIJA ELEKTROENERGETSKOG BILANSA

REALISATION OF THE ENERGY BALANCE

U 2017. godini ostvarena je ukupna proizvodnja električne energije u količini 7.009,0 GWh, što je za 685,0 GWh ili 8,9% manje od planirane proizvodnje, a za 235,7 GWh ili za 3,3% manje od ostvarene proizvodnje u 2016. godini.

In 2017, total generated electricity amounted to 7.009.0 GWh, which is by 685.0 GWh or 8.9 per cent less than planned and by 235.7 GWh or 3.3 per cent less than generation in 2016.

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GODIŠNJI IZVJEŠTAJ O POSLOVANJU
ANNUAL BUSINESS REPORTREALIZACIJA
ELEKTROENERGETSKOG
BILANSAREALISATION OF
THE ENERGY
BALANCERAD ELEKTROENERGETSKOG SISTEMA
EPBIH U 2017. GODINI KARAKTERIŠU:

- Izrazito nepovoljne hidrološke prilike (ostvoreni dotoci vode bili manji od planiranih za 585,9 GWh ili za 27,1%, a za 472,1 GWh ili 23,0% manji od ostvarenih dotoka u hidrološki povoljnijoj 2016. godini);
- Ukupne nabavke uglja manje od bilansom planiranih količina za 8,3%, a za 4,4% veće od nabavki u 2016. godini;
- Ukupna proizvodnja električne energije manja za 685,0 GWh ili 8,9% od planirane, a za 3,3% manja od proizvodnje u 2016 godini;
- Ukupna potrošnja električne energije veća od planirane za 8,1 GWh ili za 0,2%, a za 106,2 GWh ili 2,1% veća od ukupno ostvarene potrošnje u 2016. godini;
- Tržišna prodaja električne energije veća je od bilansom planirane za 1.367,4 GWh ili za 42,2%, a za 1.353,3 GWh ili za 41,6% veća u odnosu na ostvarenu netarifnu prodaju u 2016. godini.

OPERATIONS OF THE EPBIH ENERGY SYSTEM
ARE CHARACTERISED BY THE FOLLOWING:

- *Highly unfavourable hydrological circumstances (realised water inflows were by 585.9 GWh or 27.1 per cent smaller and by 472.1 GWh or 23.00 per cent smaller than water inflows realised in hydrologically more favourable 2016);*
- *Total quantity of coal purchases was by 8.3 per cent smaller than planned and by 4.4 per cent bigger than in 2016;*
- *Total generation was by 685.0 GWh or 8.9 per cent smaller than planned and by 3.3 per cent smaller than generation in 2016;*
- *Total consumption of electricity was by 8.1 GWh or 0.2 per cent bigger than planned and by 106.2 GWh or 2.1 per cent bigger than total consumption in 2016;*
- *Market sales of electricity was by 1.367.4 GWh or 42.2 per cent bigger than planned in the Balance and by 1.353.3 GWh or 41.6 per cent bigger in comparison with the realised non-tariff sales in 2016.*

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GODIŠNJI IZVJEŠTAJ O POSLOVANJU
ANNUAL BUSINESS REPORTREALIZACIJA
ELEKTROENERGETSKOG
BILANSAREALISATION OF
THE ENERGY
BALANCESA ASPEKTA KOLIČINA I DINAMIKE
ISPORUKE ELEKTRIČNE ENERGIJE
U 2017. GODINI SU:*IN TERMS OF QUANTITIES AND
ELECTRICITY SUPPLY DYNAMICS,
2017 SAW:*

- U potpunosti zadovoljene sve potrebe krajnjih kupaca koje snabdijeva EPBiH u količini 4.710,1 GWh;
- Realizirane ugovorene obaveze za prodaju električne energije u količini 1.913,3 GWh;
- Realizirana ukupna prodaja električne energije za trgovinu i bilansni višak u količini 1.495,3 GWh;
- Realizirana prodaja po osnovu ugovora o poslovno tehničkoj saradnji u količini 194,3 GWh;
- Realizirana prodaja električne energije u okviru sistema pomoćnih usluga u količini 224,4 GWh;
- Realizirana prodaja električne energije Aluminiju d.d. Mostar u količini 740,1 GWh;
- Realizirana prodaja električne energije po osnovu ostvarenog debalansa u količini 38,9 GWh.

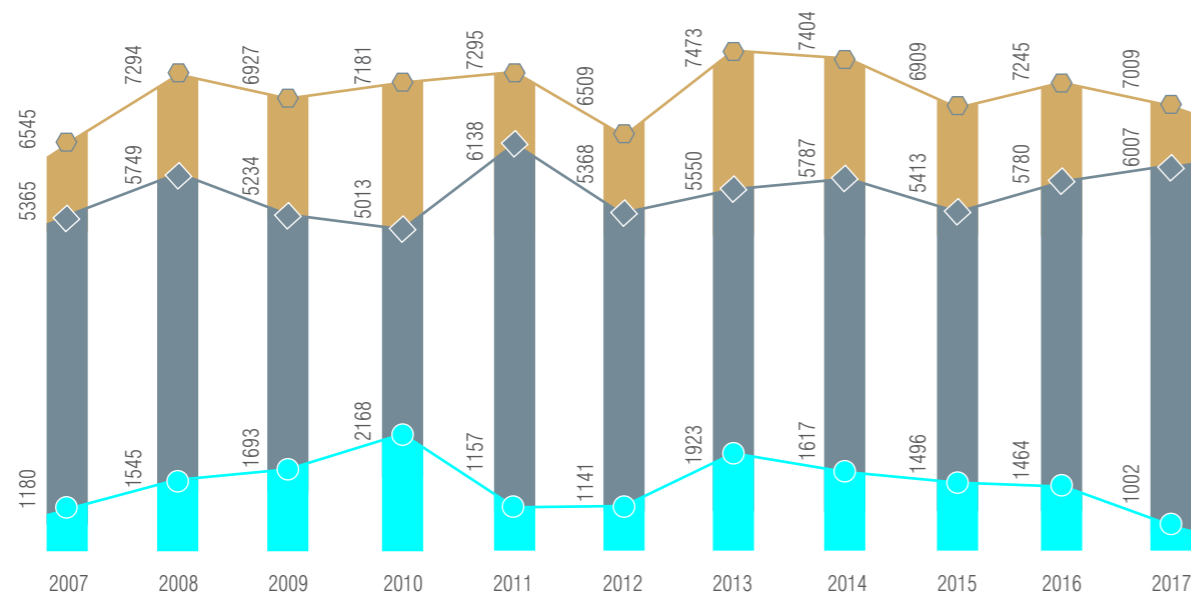
- *Complete satisfaction of all needs of end-customers to whom EPBiH supplies 4.710.1 GWh;*
- *Fulfilment of contractual obligations related to sales of electricity in the amount of 1.913.3 GWh;*
- *Realised total sales of electricity for trade and balance surplus in the amount of 1.495.3 GWh;*
- *Realised sales on the basis of contracts on business and technical cooperation in the amount of 194.3 GWh;*
- *Realised sales of electricity within the system of auxiliary services in the amount of 224.4 GWh;*
- *Realised sales of electricity to Aluminij d.d. Mostar in the amount of 740.1 GWh;*
- *Realised sales of electricity under realised imbalance in the amount of 38.9 GWh.*



Proizvodnja (u GWh)	2011.	2012.	2013.	2014.	2015.	2016.	2017.
HE	1.157	1.141	1.924	1.617	1.496	1.465	1.002
TE	6.138	5.368	5.549	5.787	5.413	5.780	6.007
Ukupno	7.295	6.509	7.473	7.404	6.909	7.245	7.009

Generation (in GWh)	2011	2012	2013	2014	2015	2016	2017
HPP	1.157	1.141	1.924	1.617	1.496	1.465	1.002
TPP	6.138	5.368	5.549	5.787	5.413	5.780	6.007
Total	7.295	6.509	7.473	7.404	6.909	7.245	7.009

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GODIŠNJI IZVJEŠTAJ O POSLOVANJU
ANNUAL BUSINESS REPORTREALIZACIJA
ELEKTROENERGETSKOG
BILANSAREALISATION OF
THE ENERGY
BALANCETREND - PROIZVODNJA (GWH)
TREND - GENERATION (GWH)UKUPNO
TOTALTERMO
THERMALHIDRO
HYDRO

Hidroelektrane („Jablanica“, „Grabovica“, „Salakovac“ i male hidroelektrane u vlasništvu EPBiH) su proizvele 1.001,8 GWh, što je za 477,0 GWh ili za 32,3% manje od Plana, te za 462,6 GWh ili za 31,6% manje od ostvarene proizvodnje u 2016. godini.

Termoelektrane „Tuzla“ i „Kakanj“ ostvarile su proizvodnju 6.007,2 GWh, što je za 208,0 GWh ili za 3,3% manje od Plana, a za 226,9 GWh ili 3,9% više u odnosu na proizvodnju TE u 2016. godini. Kod Termoelektrane „Tuzla“ proizvodnja je realizirana ispod Plana sa procentom ostvarenja 94,7%, dok je kod TE „Kakanj“ taj procenat iznosio 99,4%.

Bitno je napomenuti da ostvarena proizvodnja TE „Kakanj“ u obimu 2.546,5 GWh u 2017. godini, predstavlja najveću proizvodnju za posljednje 22 godine.

Od ukupne proizvodnje za 2017. godinu, 85,7% se odnosi na proizvodnju termoelektrana, dok se 14,3% odnosi na proizvodnju hidroelektrana, što je daleko lošiji hidro-termo odnos u poređenju sa Planom i nekoliko proteklih godina.

Hydro power plants (Jablanica, Grabovica, Salakovac and small hydro power plants owned by EPBiH) generated 1.001.8 GWh, which is by 477.0 GWh or 32.3 per cent less than defined in the Plan, and by 462.6 GWh or 31.6 per cent of generation in 2016.

Thermal power plants Tuzla and Kakanj generated 6.007.2 GWh, which is by 208.0 GWh or 3.3 per cent less than defined in the Plan, and by 226.9 GWh or 3.9 per cent more than TPP generation in 2016. In TPP Tuzla generation was smaller than defined in the Plan, with 94.7 per cent of realisation, while realisation in TPP Kakanj was at the level of 99.4 per cent.

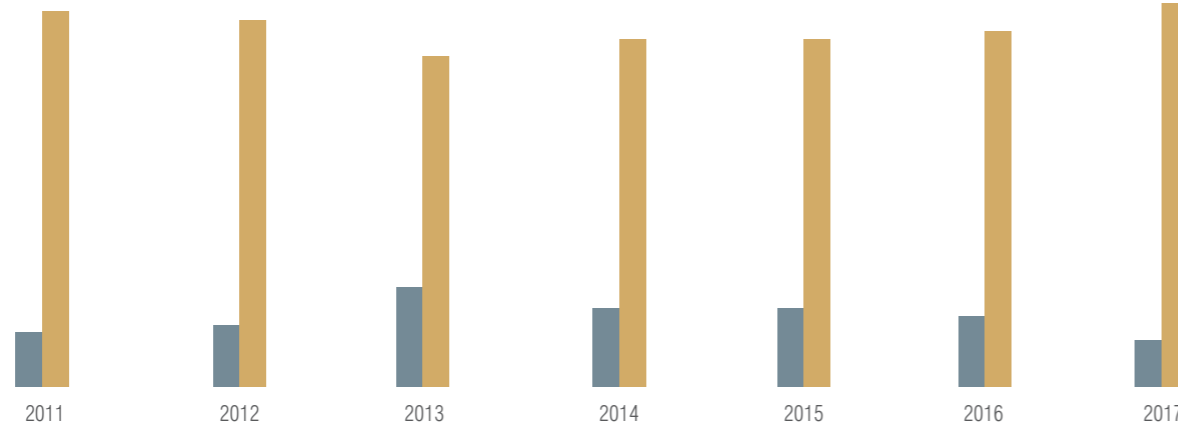
It is important to note that realised generation in TPP Kakanj in the amount of 2546.5 GWh in 2017 represents the biggest generation in the last 22 years.

Out of total generation in 2017, 85.7 per cent relates to generation in thermal power plants, while 14.3 per cent relates to generation in hydro power plants, representing a far more unfavourable hydro-thermo ratio than the ratio defined in the Plan and in several previous years.

PROIZVODNJA odnos (%)	2017	Plan 2017	2016	2015	2014	2013	2012
hidroelektrane	14,3%	19,2%	20,2%	21,7%	21,8%	25,7%	17,5%
termoelektrane	85,7%	80,8%	79,8%	78,3%	78,2%	74,3%	82,5%

GENERATION ratio (%)	2017	Plan 2012	2016	2015	2014	2013	2012
Hydro power plants	14.3%	19.2%	20.2%	21.7%	21.8%	25.7%	17.5%
Thermal power plants	85.7%	80.8%	79.8%	78.3%	78.2%	74.3%	82.5%

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GODIŠNJI IZVJEŠTAJ O POSLOVANJU
ANNUAL BUSINESS REPORTREALIZACIJA
ELEKTROENERGETSKOG
BILANSAREALISATION OF
THE ENERGY
BALANCEPROIZVODNJA ODNOS %
GENERATION RATIO %

TERMO
THERMAL

HIDRO
HYDRO

POTROŠNJA
CONSUMPTION

Ukupna potrošnja električne energije obuhvata neto distributivnu potrošnju, distributivne gubitke i potrošnju direktnih potrošača. U 2017. godini, ukupna potrošnja električne energije ostvarena je u količini 5.112,5 GWh, što je za 8,1 GWh ili 0,2% više od plana po EEB-u, a za 106,2 GWh ili za 2,1% više od potrošnje u 2016. godini.

U 2017. godini je iz elektroenergetskog sistema JP Elektroprivreda BiH isporučeno u saldu 1.896,6 GWh, prodato 4.606,3 GWh, kupljeno 2.728,5 GWh, a po drugim osnovama u saldu je isporučeno 18,8 GWh.

Osim električne energije ostvarena je i proizvodnja sporednih proizvoda u termoelekttranama i to:

- toplotna energija i tehnološka para ukupno 115,7 GWh u TE „Tuzla“,
- toplotna energija 22,8 GWh u TE „Kakanj“.

Total consumption of electricity includes net distributive consumption, distribution losses and consumption by direct customers. In 2017, total consumption of electricity was realised in the amount of 5.112.5 GWh, which is by 8.1 GWh or 0.2 per cent more than planned in the EEB, and by 106.2 GWh or 2.1 per cent more than consumption in 2016.

In 2017, JP Elektroprivreda BiH energy system supplied in balance 1.896.6 GWh, sold 4.606.3 GWh and bought 2.728.5 GWh, while 18.8 GWh were supplied under other balance basis.

In addition to electricity, the following by-products were generated in thermal power plants:

- Thermal energy and process steam, in total 115.7 GWh in TPP Tuzla;
- Thermal energy, 22.8 GWh in TPP Kakanj

NABAVKE UGLJA
PURCHASES OF COAL

Ukupne nabavke uglja za potrebe rada termoelekttrana u 2017. godini, iznosile su 6.035,7 hilj. tona što je manje od bilansom planiranih količina za 544,3 hilj. tona ili 8,3%. U odnosu na 2016. godinu, ukupno nabavljene količine uglja bile su veće za 252,2 hilj. tona ili za 4,4%.

Ukupno ostvarene zalihe na depoima termoelekttrana na kraju 2017. godine, iznosile su 144,0 hilj.tona, što je za 447,0 hilj. tona manje od Plana.

Toplotna vrijednost utrošenog uglja iznosila je ukupno 11.816 (kJ/kg), što je za 436 (kJ/kg) ili za 3,6% lošije od bilansnog plana.

Total coal purchased for the needs of operation of thermal power plants in 2017 amounted to 6.035.7 tons, which is by 544.300 tons or 8.3 per cent less than quantities planned in the Balance. In comparison with 2016, total purchased coal quantities were by 252.200 tons or 4.4 per cent bigger.

Total realised stock on thermal power plants depots amounted to 144.000 tons in 2017, which is by 447.000 less than defined in the Plan.

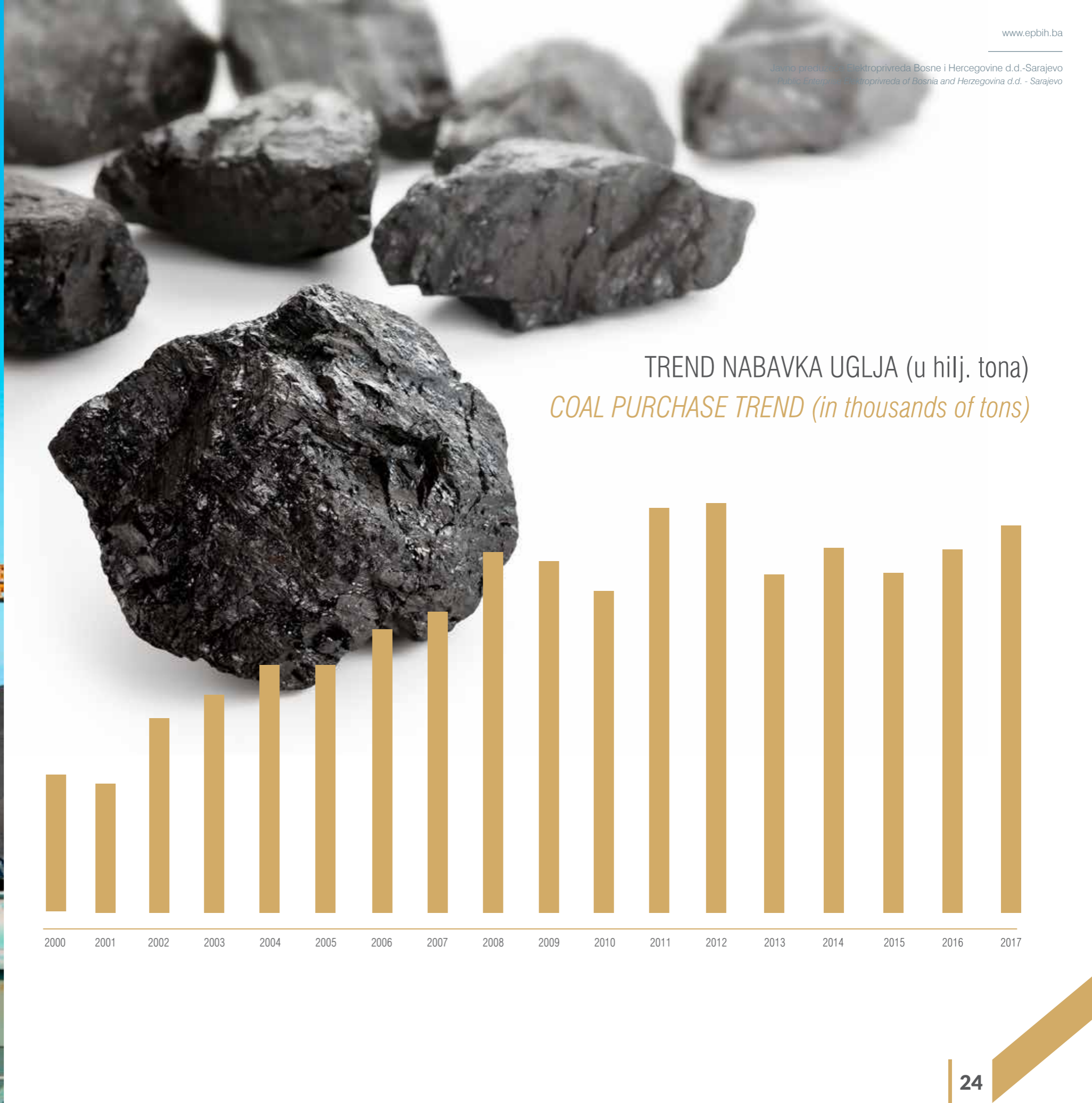
Thermal value of consumed coal amounted to 11.816 (kJ/kg), which is by 436 (Kj/kg) or 3.6 per cent less than defined in the balance plan.

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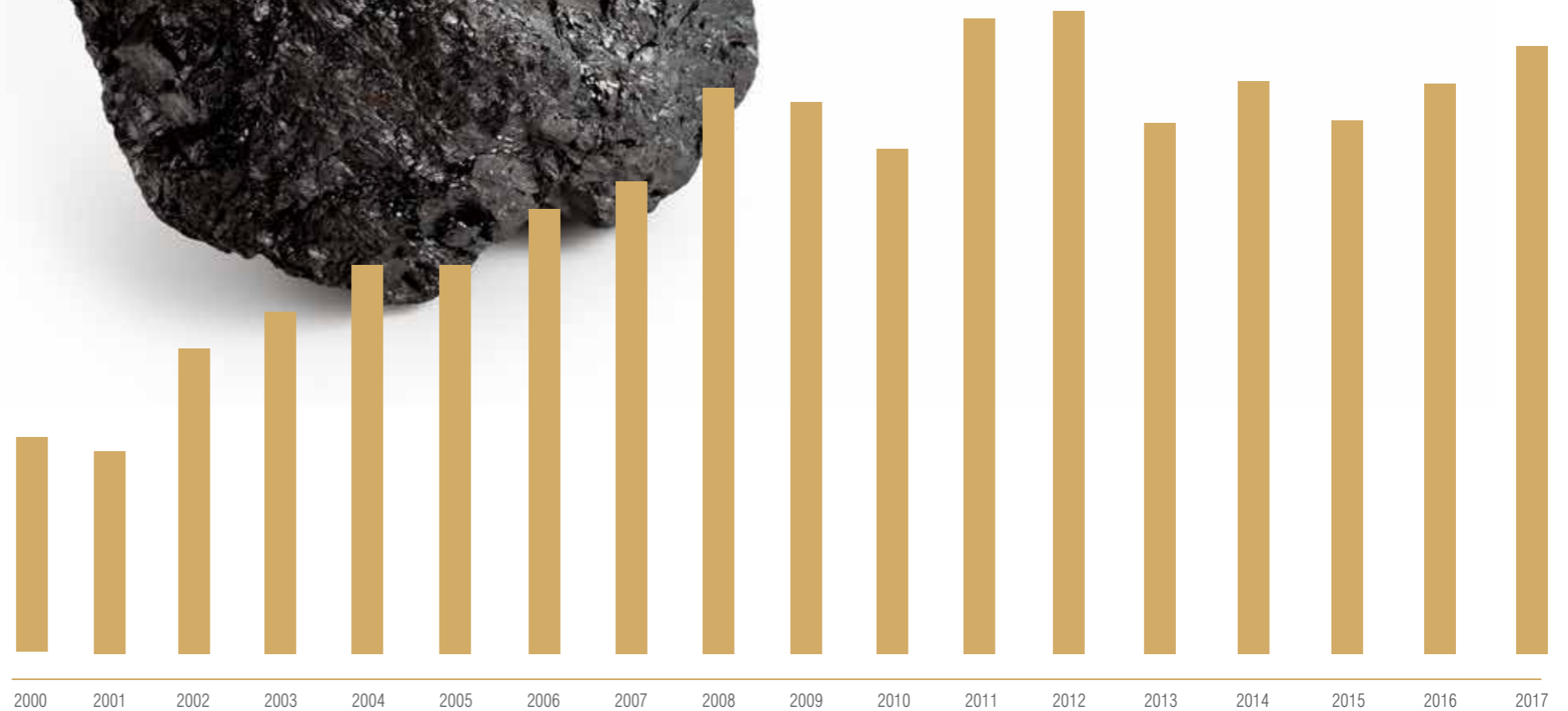
GODIŠNJI IZVJEŠTAJ O POSLOVANJU
ANNUAL BUSINESS REPORT

**REALIZACIJA
ELEKTROENERGETSKOG
BILANSA**

REALISATION OF
THE ENERGY
BALANCE



TREND NABAVKA UGLJA (u hilj. tona)
COAL PURCHASE TREND (in thousands of tons)



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GODIŠNJI IZVJEŠTAJ O POSLOVANJU
ANNUAL BUSINESS REPORTREALIZACIJA
ELEKTROENERGETSKOG
BILANSAREALISATION OF
THE ENERGY
BALANCEREALIZACIJA ELEKTROENERGETSKOG BILANSA
ZA PERIOD I-XII 2017. GODINE

ELEMENTI BILANSA	Ostvarenje 2017. GWh	Plan 2017. GWh	Ostvarenje 2016. GWh	u odnosu na Plan 2017. promjena %	u odnosu na Plan 2016. promjena %
1. PROIZVODNJA	7.009,0	7.694,1	7.244,7	-8,9	-3,3
Hidroelektrane	1.001,8	1.478,8	1.464,4	-32,3	-31,6
- HE na Neretvi	941,4	1.412,3	1.395,4	-33,3	-32,5
- male HE	60,4	66,5	69,0	-9,2	-12,5
Termoelektrane	6.007,2	6.215,3	5.780,3	-3,3	3,9
- TE Tuzla	3.460,8	3.652,9	3.686,5	-5,3	-6,1
- TE Kakanj	2.546,5	2.562,4	2.093,8	-0,6	21,6
2. PRIJEM, kupovina i korekcija	2.738,7	657,1	1.065,2	316,8	157,1
3. UKUPNO RASPOLOŽIVO (1+2)	9.747,7	8.351,2	8.309,8	16,7	17,3
4. POTROŠNJA	5.112,5	5.104,3	5.006,3	0,2	2,1
Neto distributivna potrošnja	4.224,8	4.134,7	4.134,2	2,2	2,2
Distributivni gubici	402,4	442,5	414,1	-9,1	-2,8
Direktni potrošači	485,3	527,1	458,0	-7,9	5,9
5. PRODAJA - isporuka i korekcija	4.635,3	3.246,9	3.303,5	42,8	40,3
6. UKUPNE POTREBE (4+5)	9.747,7	8.351,2	8.309,8	16,7	17,3

REALISATION OF THE ENERGY BALANCE Jan-Dec 2017

BALANCE ELEMENTS	Realisation 2017 GWh	Plan 2017 GWh	Realisation 2016 GWh	in comparison with 2017 Plan change %	in comparison with 2016 Plan change %
1. GENERATION	7.009.0	7.694.1	7.244.7	-8.9	-3.3
Hydro power plants	1.001.8	1.478.8	1.464.4	-32.3	-31.6
- HPPs on the Neretva River	941.4	1.412.3	1.395.4	-33.3	-32.5
- small HPPs	60.4	66.5	69.0	-9.2	-12.5
Thermal power plants	6.007.2	6.215.3	5.780.3	-3.3	3.9
- TPP Tuzla	3.460.8	3.652.9	3.686.5	-5.3	-6.1
- TPP Kakanj	2.546.5	2.562.4	2.093.8	-0.6	21.6
2. ADMISSION, purchase and correction	2.738.7	657.1	1.065.2	316.8	157.1
3. TOTAL AVAILABLE (1+2)	9.747.7	8.351.2	8.309.8	16.7	17.3
4. CONSUMPTION	5.112.5	5.104.3	5.006.3	0.2	2.1
Net distribution consumption	4.224.8	4.134.7	4.134.2	2.2	2.2
Distribution losses	402.4	442.5	414.1	-9.1	-2.8
Direct consumers	485.3	527.1	458.0	-7.9	5.9
5. SALES- supply and correction	4.635.3	3.246.9	3.303.5	42.8	40.3
6. TOTAL NEEDS (4+5)	9.747.7	8.351.2	8.309.8	16.7	17.3

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GODIŠNJI IZVJEŠTAJ O POSLOVANJU
ANNUAL BUSINESS REPORTREALIZACIJA
FINANSIJSKOG
PLANABosanska verzija tabele,
rezultat poslovanja
JP Elektroprivreda BiH
za 2017. godinuBosnian version of the table,
JP Elektroprivreda BiH business
operation results 2017

English version of the table

REZULTAT POSLOVANJA JP ELEKTROPRIVREDA BIH ZA 2017. GODINU

UKUPNI PRIHODI u hiljadama KM	2017.	2017 Plan	2016.	Index 17/Pl.	Index 17/16.
	1	2	3	4	5
1. Prihodi od prod.elektične energije i pomoćnih usluga	1.065.701	961.927	94 8.474	110,8	112,4
- prihod od prodaje krajnjim kupcima EP BiH	677.063	683.601	674.352	99,0	100,4
- kupci na 110 kV	46.356	52.408	45.788	88,5	101,2
- kupci na 35 kV *	31.995	31.328	30.791	102,1	103,9
- kupci na 10 kV *	110.584	102.862	112.838	107,5	98,0
- kupci na 0,4 kV domaćinstva	312.019	316.462	310.687	98,6	100,4
- kupci na 0,4 kV ostala potrošnja *	163.031	161.558	161.151	100,9	101,2
- kupci na 0,4 kV javna rasvjeta	12.426	12.319	12.288	100,9	101,1
- neovlaštena potrošnja (svi naponi na distributivnoj mreži)	446	515	595	86,7	75,0
- prihod od nefakturisane električne energije	205	6.150	215	3,3	95,6
-prihod od prodaje drugim kupcima u BiH	342.954	240.702	232.125	142,5	147,7
-prihod od izvoza električne energije	11.918	24.724	11.424	48,2	104,3
-prihod od pomoćnih usluga uključujući i el.energije u vezi pomoćnih usluga	33.765	12.900	30.573	261,7	110,4
2. Prihod od prod.tehn.pare i topl. energije	14.913	15.447	14.235	96,5	104,8
- prihod od tehnološke pare	3.114	3.601	3.009	86,5	103,5
- prihod od toplotne energije	10.261	10.325	9.842	99,4	104,3
- prihod od prodaje ostalih spor. i nus proiz.	1.539	1.521	1.383	101,2	111,2
3. Prihodi od prodaje materijala i usluga	27.246	27.555	26.089	98,9	104,4
- prihod od naknada priključenja	19.434	17.800	19.795	109,2	98,2
- ostali prihodi od prodaje materijala i usluga	7.812	9.755	6.294	80,1	124,1
4. Prihod od finansiranja	9.222	6.952	7.185	132,6	128,3
5. Ostali prihodi	37.995	17.908	38.254	212,2	99,3
UKUPNO (1 do 5)	1.155.077	1.029.790	1.034.237	112,2	111,7
6. Materijal za proizvodnju električne energije	372.269	388.747	352.091	95,8	105,7
7. Materijal za održavanje	10.458	13.922	10.975	75,1	95,3
8. Ostali troškovi materijala (el. energija, kancel.mat. HTZ, gorivo, mazivo)	5.178	6.185	5.469	83,7	94,7
9. Troškovi prevoza uglja	28.442	27.429	27.270	103,7	104,3
10. Usluge održavanja	12.356	18.464	14.958	66,9	82,6
11. Troškovi nabavke električne energije i pomoćnih usluga	269.539	93.418	107.372	288,5	251,0
12. Premije osiguranja	1.199	2.859	1.362	41,9	88,0
13. Drugi troškovi usluga	9.472	12.570	9.656	75,4	98,1
14. Troškovi amortizacije	150.917	151.641	172.020	99,5	87,7
15. Troškovi mrežarina i naknada za NOS	52.513	52.858	46.072	99,3	114,0
16. Plate i naknade plata	151.367	158.343	149.901	95,6	101,0
17. Drugi troškovi rada	20.768	22.576	24.933	92,0	83,3
18. Vodoprivredne naknade	18.314	24.512	26.328	74,7	69,6
19. Razne dažbine, naknade i članarine	22.891	22.856	21.988	100,2	104,1
20. Drugi troškovi poslovanja	8.244	8.902	8.192	92,6	100,6
21. Finansijski troškovi i rashodi	4.526	4.512	6.759	100,2	67,0
22. Drugi rashodi (otpis potraživa., gubici od umanj.vrijed. troš. iz ranij. god.)	9.347	13.913	23.066	67,2	40,5
23. Troškovi rezervisanja	6.656	5.541	12.967	120,1	51,3
UKUPNI TROŠKOVI I RASHODI (6 do 23)	1.154.456	1.029.252	1.021.379	112,2	113,0
NETO DOBIT	620	538	12.858	115,4	4,8

* uključujući distributivnu mrežarinu krajnjih kupaca drugih snabdjevača i vlastitu potrošnju koja se preuzima sa 10kV i 0,4kV.

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GODIŠNJI IZVJEŠTAJ O POSLOVANJU
ANNUAL BUSINESS REPORT

26.1

REALISATION OF
THE FINANCIAL
PLAN

English version of the table,
JP Elektroprivreda BiH business
operation results 2017
Engleska verzija tabele,
rezultat poslovanja
JP Elektroprivreda BiH
za 2017. godinu

JP ELEKTROPRIVREDA BIH BUSINESS OPERATION RESULTS 2017

TOTAL REVENUES in thousands BAM

	2017	2017 Plan	2016	Index 17/Pl.	Index 17/16
	1	2	3	4	5
1. Revenues from sales of electricity and auxiliary services	1.065.701	961.927	948.474	110.8	112.4
- revenues from sales to end-customers of EPBiH	677.063	683.601	674.352	99.0	100.4
- customers at 110 kV	46.356	52.408	45.788	88.5	101.2
- customers at 35 kV*	31.995	31.328	30.791	102.1	103.9
- customers at 10 kV*	110.584	102.862	112.838	107.5	98.0
- customers at 0.4 kV-households	312.019	316.462	310.687	98.6	100.4
- customers at 0.4 kV-other consumption*	163.031	161.558	161.151	100.9	101.2
- customers at 0.4 kV-public lightning	12.426	12.319	12.288	100.9	101.1
- unauthorised consumption (all voltages in the distributive network)	446	515	595	86.7	75.0
- revenues from uninvoiced electricity	205	6.150	215	3.3	95.6
- revenues from sales to other customers in BiH	342.954	240.702	232.125	142.5	147.7
- revenues from export of electricity	11.918	24.724	11.424	48.2	104.3
- revenues from auxiliary services, including electricity related to auxiliary services	33.765	12.900	30.573	261.7	110.4
2. Revenues from sales of process steam and thermal energy	14.913	15.447	14.235	96.5	104.8
- revenues from process steam	3.114	3.601	3.009	86.5	103.5
- revenues from thermal energy	10.261	10.325	9.842	99.4	104.3
- revenues from sales of secondary products and by-products	1.539	1.521	1.383	101.2	111.2
3. Revenues from sales of materials and services	27.246	27.555	26.089	98.9	104.4
- revenues from connection fees	19.434	17.800	19.795	109.2	98.2
- other revenues from sales of materials and services	7.812	9.755	6.294	80.1	124.1
4. Revenues from financing	9.222	6.952	7.185	132.6	128.3
5. Other revenues	37.995	17.908	38.254	212.2	99.3
TOTAL (1 through 5)	1.155.077	1.029.790	1.034.237	112.2	111.7
6. Materials for electricity production	372.269	388.747	352.091	95.8	105.7
7. Materials for maintenance	10.458	13.922	10.975	75.1	95.3
8. Other costs of materials (electricity, office supplies, PPK, fuel, grease)	5.178	6.185	5.469	83.7	94.7
9. Coal transport costs	28.442	27.429	27.270	103.7	104.3
10. Maintenance services	12.356	18.464	14.958	66.9	82.6
11. Electricity procurement and auxiliary services costs	269.539	93.418	107.372	288.5	251.0
12. Insurance premiums	1.199	2.859	1.362	41.9	88.0
13. Other services costs	9.472	12.570	9.656	75.4	98.1
14. Amortisation costs	150.917	151.641	172.020	99.5	87.7
15. Network fee costs and IOS (Independent Operator System) fee	52.513	52.858	46.072	99.3	114.0
16. Salaries and remunerations	151.367	158.343	149.901	95.6	101.0
17. Other labour costs	20.768	22.576	24.933	92.0	83.3
18. Water utility fees	18.314	24.512	26.328	74.7	69.6
19. Charges, fees and membership fees	22.891	22.856	21.988	100.2	104.1
20. Other business operation costs	8.244	8.902	8.192	92.6	100.6
21. Financial costs and expenditures	4.526	4.512	6.759	100.2	67.0
22. Other expenditures (receivables write-off, losses from costs value depreciation from previous years)	9.347	13.913	23.066	67.2	40.5
23. Reservation costs	6.656	5.541	12.967	120.1	51.3
TOTAL COSTS AND EXPENDITURES (6 through 23)	1.154.456	1.029.252	1.021.379	112.2	113.0
NET PROFIT	620	538	12.858	115.4	4.8

* including distributive network fee of end-customers of other suppliers and own consumption taken over from 10 kV and 0.4 kV.

REALIZACIJA FINANSIJSKOG PLANA

REALISATION OF THE FINANCIAL PLAN

PRIHODI REVENUES

U 2017.godini Elektroprivreda BiH je nastavila kontinuitet pozitivnog, likvidnog i stabilnog poslovanja uz redovno izmirivanje obaveza prema dobavljačima, državnim organima i institucijama, zaposlenim i kreditorima.

Ukupno ostvareni prihod EPBiH za 2017. godinu iznosi 1.155,08 mil. KM i veći je od planiranog za 125,29 mil. KM ili 12,2%, a za 11,7% veći od ostvarenog prihoda u 2016. godini.

In 2017, Elektroprivreda BiH maintained the continuity of positive, liquid and stable business operations with regular settlement of obligations toward suppliers, state authorities, institutions, employees and creditors.

Total revenues of EPBiH for 2017 amounted to 1.155.08 million BAM, which is by 125.29 million BAM or 12.2 per cent more than planned and by 11.7 per cent more than revenues realised in 2016.



Prihod od prodaje električne energije i pomoćnih usluga Revenues from sales of electricity and auxiliary services

U strukturi ukupnog ostvarenog prihoda najveći dio čini prihod od prodaje električne energije i pomoćnih usluga u iznosu 1.065,70 mil. KM ili 92,3% ukupnih prihoda Društva za 2017. godinu. Ovi prihodi se odnose na prihod od :

- prodaje krajnjim kupcima EPBiH u iznosu 677,06 mil. KM,
- prodaje drugim kupcima u BiH u iznosu 342,95 mil. KM,
- izvoza električne energije u iznosu 11,92 mil. KM i
- pomoćnih usluga u iznosu 33,77 mil. KM (energija i kapaciteti).

In the structure of total realised revenues, the biggest portion pertains to sales of electricity and auxiliary services in the amount of 1.065.70 million BAM or 92.3 per cent of total revenues of the Company for 2017.

These revenues pertain to revenues from:

- Sales to EPBiH end-customers in the amount of 677.06 million BAM;
- Sales to other EPBiH customers in the amount of 342.95 million BAM;
- Export of electricity in the amount of 11.92 million BAM, and
- Auxiliary services in the amount of 33.77 million BAM (energy and capacities).

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GODIŠNJI IZVJEŠTAJ O POSLOVANJU
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REALIZACIJA FINANSIJSKOG PLANA

REALISATION OF THE FINANCIAL PLAN

STRUKTURA PRODAJE ELEKTRIČNE ENERGIJE

STRUKTURA PRODAJE	2017.				2017. Plan				2016.			
	Energija GWh	Cijena F/kWh	Prihod Mil. KM	Udio %	Energija GWh	Cijena F/kWh	Prihod Mil. KM	Udio %	Energija GWh	Cijena F/kWh	Prihod Mil. KM	Udio %
KRAJNJI KUPCI												
- kupci na 110 kV	485,3	9,55	46,4	4	527,1	9,94	52,4	6	458,0	10,00	45,8	5
- kupci na 35 kV	286,7	11,05	31,7	3	276,8	11,32	31,3	3	274,8	11,09	30,5	3
- kupci na 10 kV	830,1	12,97	107,6	10	746,5	13,39	99,9	11	790,4	14,04	111,0	12
- domaćinstva	2.141,8	14,57	312,0	30	2.176,8	14,54	316,5	34	2.132,4	14,57	310,7	33
- ostali 0,4 kV	885,0	18,41	163,0	16	854,1	18,63	159,1	17	856,2	18,82	161,1	17
- javna rasvjeta	81,2	15,30	12,4	1	80,6	15,28	12,3	1	80,4	15,28	12,3	1
Ukupno krajni kupci (SNB)	4.710,1	14,29	673,10	65	4.661,8	14,41	671,6	72	4.592,3	14,62	671,39	72
TRŽIŠNA PRODAJA												
Dugoročna prodaja	1.844,6	7,56	142,40	14	1.631,7	7,44	121,4	13	1.119,5	7,97	89,2	10
Kratkoročna prodaja	737,5	8,27	60,99	6	1.376,8	7,39	101,8	11	1.251,7	7,50	93,9	10
Prodaja po osnovu UPTS	194,3	10,38	20,17	2	216,1	10,29	22,2	2	225,6	10,42	23,5	3
Kupoprodaja	1.527,0	8,01	122,26	12	150,0	7,13	10,7	1	476,5	7,76	37,0	4
Prodaja u vezi pom. usluga	263,3	8,74	23,02	2	65,4	5,00	3,3	0	179,7	9,15	16,4	2
Ukupno tržišna prodaja (TRG)	4.606,7	8,01	368,85	35	3.440,0	7,54	259,4	28	3.253,0	7,99	260,0	28
Ukupno prodaja električne energije*	9.316,7	11,18	1.041,9	100	8.101,8	11,49	931,0	100	7.845,3	11,87	931,4	100

ELECTRICITY SALES STRUCTURE

SALES STRUCTURE	2017				2017 Plan				2016			
	Energy GWh	Price F/kWh	Revenue Mil. BAM	Share %	Energy GWh	Price F/kWh	Revenue Mil. BAM	Share %	Energy GWh	Price F/kWh	Revenue Mil. BAM	Share %
END-CUSTOMERS												
- customers at 110 kV	485.3	9.55	46.4	4	527.1	9.94	52.4	6	458.0	10.00	45.8	5
- customers at 35 kV	286.7	11.05	31.7	3	276.8	11.32	31.3	3	274.8	11.09	30.5	3
- customers at 10 kV	830.1	12.97	107.6	10	746.5	13.39	99.9	11	790.4	14.04	111.0	12
- households	2.141.8	14.57	312.0	30	2.176.8	14.54	316.5	34	2.132.4	14.57	310.7	33
- others at 0.4 kV	885.0	18.41	163.0	16	854.1	18.63	159.1	17	856.2	18.82	161.1	17
- public lightning	81.2	15.30	12.4	1	80.6	15.28	12.3	1	80.4	15.28	12.3	1
Total end-customers (SNB)	4.710.1	14.29	673.10	65	4.661.8	14.41	671.6	72	4.592.3	14.62	671.39	72
MARKET SALES												
Long-term sales	1.844.6	7.56	142.40	14	1.631.7	7.44	121.4	13	1.119.5	7.97	89.2	10
Short-term sales	737.5	8.27	60.99	6	1.376.8	7.39	101.8	11	1.251.7	7.50	93.9	10
UPTS sales	194.3	10.38	20.17	2	216.1	10.29	22.2	2	225.6	10.42	23.5	3
Buying and selling	1.527.0	8.01	122.26	12	150.0	7.13	10.7	1	476.5	7.76	37.0	4
Sales related to aux. services	263.3	8.74	23.02	2	65.4	5.00	3.3	0	179.7	9.15	16.4	2
Total market sales (TRG)	4.606.7	8.01	368.85	35	3.440.0	7.54	259.4	28	3.253.0	7.99	260.0	28
Total sales of electricity*	9.316.7	11.18	1.041.9	100	8.101.8	11.49	931.0	100	7.845.3	11.87	931.4	100

* nisu obuhvaćeni prihodi po osnovu neovlaštene i neregistrovane potrošnje, prihod od distributivne mrežarine za kupce drugih snabdjevača, kao ni prihod od mrežarine za isporuke Aluminij, d.d. Mostar.

* Revenues under unauthorised and unregistered consumption, revenues from distributive network fees for customers of other suppliers and revenues from network fee for supply to Aluminij d.d. Mostar are excluded.

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GODIŠNJI IZVJEŠTAJ O POSLOVANJU
ANNUAL BUSINESS REPORTREALIZACIJA
FINANSIJSKOG PLANA

REALISATION OF THE FINANCIAL PLAN

PRIHOD OD PRODAJE
ELEKTRIČNE ENERGIJE
KRAJNJIM KUPCIMA
*REVENUES FROM SALES
OF ELECTRICITY TO
END-CUSTOMERS*

Prihod od prodaje krajnjim kupcima je manji od planiranog za 6,54 mil. KM ili 1,0%. Najveći dio razlike od 6,15 mil. KM nastao je zbog drugačijeg načina knjiženja prihoda po osnovu cut-off-a gdje je bilo planirano knjiženje po bruto principu (kako je vršeno i u ranijim godinama), ali je po preporuci revizora kao ostvarenje knjižen samo neto (razlika prihoda i troškova) efekat po osnovu cut-off-a.

Aktuelne cijene za snabdijevanje kupaca po osnovu univerzalne usluge još uvijek su opterećene socijalnom dimenzijom i ne odražavaju stvarne troškove energije. Komponenta cijena koja se odnosi na energiju u prosječnoj cijeni univerzalne usluge značajno je niža od cijene koštanja energije u proizvodnji, kao i u odnosu na tržišne cijene. Zbog toga je ostvareni prihod EPBiH po osnovu univerzalne usluge manji za više od 30 miliona KM u odnosu na slučaj kada bi tarife bile formirane na tržišnim osnovama.

Revenues from sales to end-customers are by 6.54 million BAM or 1.0 per cent smaller than planned. Out of this difference, the amount of 6.15 million BAM is the result of a different method of posting revenues under cut-off where posting by gross principle was planned (as was the case in previous years). After auditor's recommendation, only net effect under cut-off was posted as realisation (difference between revenues and costs).

Current prices for supplies to customers under universal service are still burdened by the social dimension and do not reflect the real costs of electricity. Price component relating to energy at an average price of universal service is significantly lower than the price of energy in production, as well as in comparison with market price. Therefore, the achieved revenues of EPBiH from universal service are by more than 30 million BAM smaller than the revenues that would have been achieved in case tariffs were formed in accordance with market bases.

POKAZATELJI	ED Bihać	ED Mostar	ED Sarajevo	ED Tuzla	ED Zenica	UKUPNO
Iznos prihoda (mil. KM)	70,13	34,08	202,16	168,70	151,67	626,74
Učešće prihod distr. kupci (%)	11,2	5,4	32,3	26,9	24,2	100,0
Prodana količina (GWh)	453,4	224,0	1.361,8	1.177,4	1.008,2	4.224,8
Prosječna cijena (F/kWh)	15,47	15,22	14,85	14,33	15,04	14,83

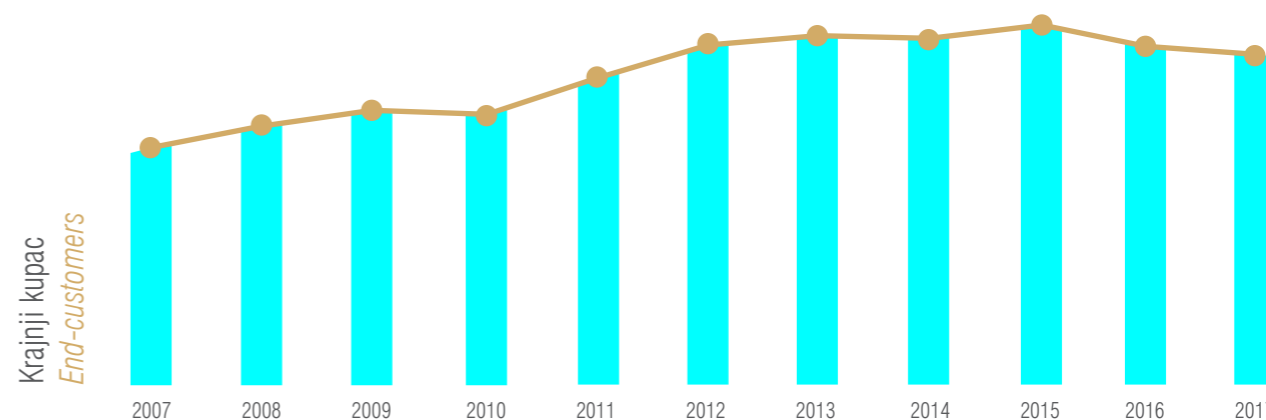
INDICATORS	ED Bihać	ED Mostar	ED Sarajevo	ED Tuzla	ED Zenica	TOTAL
Revenues amount (mil. BAM)	70.13	34.08	202.16	168.70	151.67	626.74
Share revenues from distribution to customers (%)	11.2	5.4	32.3	26.9	24.2	100.0
Quantity sold (GWh)	453.4	224.0	1.361.8	1.177.4	1.008.2	4.224.8
Average price (F/kWh)	15.47	15.22	14.85	14.33	15.04	14.83

Ostvarena ukupna prosječna cijena kod svih krajnjih kupaca je bila 14,29 F/kWh, što je niže od planirane prosječne cijene (14,41 F/kWh) za 0,8%.

Stepen naplate isporučene električne energije po osnovu snabdijevanja električnom energijom distributivnih i kvalifikovanih kupaca ostvaren je u procentu 94,8% i predstavlja odnos naplaćenog i fakturisanog prihoda u tekućoj godini gdje su u izračun uključena potraživanja iz ranijih godina i utužena potraživanja (kao nazivnik) i uplate po računima (kao brojnik). Ovaj procenat naplate manji je za 0,6% od ostvarenog u 2016. godini (95,4%).

The average price achieved in all end-customers was 14.29 F/kWh, i.e. by 0.8 per cent lower than the planned average price (14.41 F/kWh).

Degree of collection of supplied electricity under supply of electricity to distributive and qualified customers is realised at the rate of 94.8 per cent and represents the ration of collected and invoiced revenues in the current year, where the calculation includes receivables from previous years and claims (as denominator) and payments to the accounts (as numerator). This collection percentage is by 0.6 per cent smaller than the one achieved in 2016 (95.4 per cent).

TREND - PROSJEČNE CIJENE (F/kWh)
TREND-AVERAGE PRICES (F/KWH)

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GODIŠNJI IZVJEŠTAJ O POSLOVANJU
ANNUAL BUSINESS REPORTREALIZACIJA
FINANSIJSKOG PLANA

REALISATION OF THE FINANCIAL PLAN

TROŠKOVI I RASHODI
COSTS AND EXPENDITURES

Troškovi materijala za proizvodnju električne energije iznose 372,27 mil. KM, dok troškovi prijevoza uglja iznose 28,44 mil. KM i u zbiru čine 32,2% ukupnih troškova i rashoda.

Costs of materials for electricity production amount to 372.27 million BAM, while costs of coal transport amount to 28.44 million BAM and collectively make for 32.3 per cent of total costs and expenditures.

TROŠKOVI RAZLOŽENI PO TERMoeLEKTRANAMA I UPOREĐENI SA PROIZVODNjom

Troškovi i proizvodnja (po stavkama i termoelekttranama)	Ostv.2017.	Plan 2017.	Ostv.2016.	index 17/plan	index 17/16
Materijal za proizvodnju TE Kakanj (mil. KM)	153,83	154,91	122,39	99,3	125,7
Prevoz uglja TE Kakanj (mil. KM)	5,80	4,83	4,56	120,1	127,2
Proizvodnja el. energije TE Kakanj (GWh)	2.546,5	2.562,4	2.093,8	99,4	121,6
Proizvodnja topl. energ. TE Kakanj (GWh)	22,8	22,0	19,7	103,7	115,7
Materijal za proizvodnju TE Tuzla (mil. KM)	218,44	233,84	229,70	93,4	95,1
Prevoz uglja TE Tuzla (mil. KM)	22,64	22,60	22,71	100,2	99,7
Proizvodnja el. energije TE Tuzla (GWh)	3.460,8	3.652,9	3.686,5	94,7	93,9
Proizv. tehn.pare i topl. energ. TE Tuzla (GWh)	115,7	120,9	111,9	95,7	103,4
Materijal za proizvodnju ukupno obje TE (mil. KM)	372,27	388,75	352,09	95,8	105,7
Prevoz uglja ukupno obje TE (mil. KM)	28,44	27,43	27,27	103,7	104,3
Proizvodnja el. energije ukupno obje TE (GWh)	6.007,2	6.215,3	5.780,3	96,7	103,9
Proizv. tehn.pare i topl. energ. ukupno TE (GWh)	138,5	142,9	131,6	96,9	105,2

EXPENDITURES REPRESENTED BY THERMAL POWER PLANTS AND COMPARED WITH PRODUCTION

Costs and production (by items and TPPs)	Achieved 2017	Plan 2017.	Achieved 2017	index 17/plan	index 17/16
Materials for production TPP Kakanj (million BAM)	153.83	154.91	122.39	99.3	125.7
Coal transport TPP Kakanj (million BAM)	5.80	4.83	4.56	120.1	127.2
TPP Kakanj electricity production (GWh)	2.546.5	2.562.4	2.093.8	99.4	121.6
TPP Kakanj thermal energy production (GWh)	22.8	22.0	19.7	103.7	115.7
Material for production TPP Tuzla (million BAM)	218.44	233.84	229.70	93.4	95.1
Coal transport TPP Tuzla (million BAM)	22.64	22.60	22.71	100.2	99.7
TPP Tuzla electricity production (GWh)	3.460.8	3.652.9	3.686.5	94.7	93.9
TPP Kakanj process steam and thermal energy production (GWh)	115.7	120.9	111.9	95.7	103.4
Materials for production, total in both TPPs (million BAM)	372.27	388.75	352.09	95.8	105.7
Coal transport, total in both TPPs (million BAM)	28.44	27.43	27.27	103.7	104.3
Production of electricity, total in both TPPs (GWh)	6.007.2	6.215.3	5.780.3	96.7	103.9
Production of process steam and thermal energy, total in both TPPs (GWh)	138.5	142.9	131.6	96.9	105.2

REALIZACIJA FINANSIJSKOG PLANA

REALISATION OF THE FINANCIAL PLAN

TROŠKOVI AMORTIZACIJE *AMORTISATION COSTS*

Troškovi amortizacije iznose 150,92 mil. KM, što čini 13,1% ukupnih troškova i rashoda Društva za 2017. godinu. Ostvareni troškovi amortizacije manji su od planiranih za 0,72 mil. KM ili za 0,5%, a najveći trošak amortizacije odnosi se na amortizaciju građevinskih objekata u iznosu 66,90 mil. KM i amortizaciju postrojenja i opreme u iznosu 67,83 mil. KM.

Troškovi mrežarina i naknada za NOS ostvareni su u iznosu 52,51 mil. i odnose se na:

- troškove prijenosa električne energije 48,91 mil.KM, gdje se 38,49 mil.KM odnosi na isporuke krajnjim kupcima na distributivnoj mreži, a 10,42 mil. KM na isporuke kupcima na mreži prenosa,
- troškove naknada za NOS u iznosu 3,26 mil. KM,
- troškovi korištenja mreže za krajnje kupce u iznosu 0,34 mil. KM.

Vodoprivredne naknade u iznosu 18,31 mil. KM odnose se na troškove vodnog doprinosa, naknade za zaštitu voda, doprinosa za korištenje hidroakumulacionih objekata, te troškove kantonalne naknade od posebnog značaja za HNK. Ovi troškovi su manji od Plana za 6,20 mil. KM ili za 25,3%, a ključni razlog je manja proizvodnja hidroelektrana od planirane proizvodnje. Preko 95% ovih naknada je varijabilnog karaktera i plaćaju se shodno ostvarenoj proizvodnji u HE.

Amortisation costs amount to 150.92 million BAM, i.e. 13.1 per cent of total costs and expenditures of the Company for 2017. Realised amortisation costs are by 0.72 million BAM or 0.5 per cent smaller than planned, while the biggest amortisation cost relates to amortisation of buildings in the amount of 66.9 million BAM and amortisation of plants and equipment in the amount of 67.83 million BAM.

Costs for network fees and IOS fee are realised in the amount of 52.51 million BAM and relate to:

- *Costs of electricity transfer in the amount of 48.91 million BAM, where 38.49 million BAM relate to supply to end-customers in the distributive network and 10.42 million BAM to supply to customers in the transfer network;*
- *Costs of IOS fees in the amount of 3.26 million BAM, and*
- *Costs of using the network for end-customers in the amount of 0.34 million BAM.*

Water utility fees in the amount of 18.31 million BAM relate to costs for water contribution, water protection fee, fee for usage of hydro accumulation facilities and costs of Cantonal fee of special importance for Hercegovina-Neretva Canton. These costs are by 6.20 million BAM or 25.3 per cent smaller than costs defined in the Plan, mainly due to smaller than planned generation in hydro power plants. More than 95 per cent of these fees are variable in character and are paid in accordance with generation realised in a HPP.

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GODIŠNJI IZVJEŠTAJ O POSLOVANJU
ANNUAL BUSINESS REPORTFINANSIJSKI POKAZATELJI
USPJEŠNOSTI POSLOVANJA

POKAZATELJI BILANSA USPJEHA

	Ostvarenje 2017.	Plan 2017.	Ostvarenje 2016.
Proizvodnja električne energije (GWh)	7.009,0	7.694,1	7.244,7
Operativni prihod (hilj.KM) *	1.107.859,6	1.004.929,0	988.798,1
Prihod od prodaje električne energije i pomoćnih usluga *	1.065.700,5	961.927,5	948.474,1
Prihod od prodaje sporednih proizvoda, materijala i usluga	42.159,0	43.001,6	40.324,0
Gotovinski operativni troškovi (hilj.KM)	988.711,9	859.567,4	814.779,9
- troškovi mat. za proiz. el. energije i prevoz uglja	400.711,3	416.176,5	379.360,8
- materijal i usluge održavanja	22.814,2	32.385,7	25.933,2
- plate i drugi troškovi rada	172.134,4	180.917,2	174.834,9
- zavisni troškovi prodaje **	322.052,9	146.276,6	153.443,3
- troškovi dažbina	41.205,1	47.368,1	48.316,2
- ostali operativni troškovi	29.794,0	36.443,2	32.891,5
EBITDA (hilj. KM) *	119.147,6	145.361,6	174.018,2
Prihod od donacija (amort. doniranih sredstava)	7.309,1	7.723,0	7.686,1
Amortizacija (hilj.KM)	150.916,7	151.640,6	172.019,9
EBIT (hilj. KM) *	-24.460,0	1.444,0	9.684,4
////////////////////////////////////			
Operativni koeficijent (op. trošk. + amort.)/op. prihod	1,022	0,999	0,990
Racio ekonomičnosti (ukupni prihodi /ukupni troš. i ras.)	1,001	1,001	1,013
Radni koeficijent (operativni troškovi /operativni prihod)	0,892	0,855	0,824
Troškovi zaposlenih po radniku	38,00	39,94	37,61
Proizvodnja po radniku	1,55	1,70	1,56
Učešće troškova i rashoda u ukupnom prihodu	99,95	99,95	98,76
Prosječan broj zaposlenih (Σ stanja kraj mjeseca / 12)	4.530	4.530	4.648
////////////////////////////////////			
Trošak proizvodnje/operativni prihod	36,2%	41,4%	38,4%
Trošak mat. i usluga održavanja/operativni prihod	2,1%	3,2%	2,6%
Trošak rada/operativni prihod	15,5%	18,0%	17,7%
Zavisni troškovi prodaje/operativni prihod	29,1%	14,6%	15,5%
Troškovi dažbina/operativni prihod	3,7%	4,7%	4,9%
Ostali troškovi/operativni prihod	2,7%	3,6%	3,3%

* kod ostvarenja za 2016. i 2017. godinu za prihode po osnovu cut-off-a primjenjen je neto princip evidentiranja, a u Planu za 2017.godinu, iznosi pozicija označenih sa* bili bi manji za cca 6,15 mil. KM.

** zavisni troškovi nabavke obuhvataju troškove nabavke električne energije, troškove prenosa električne energije, troškove pomoćnih usluga (sistemska i ostale usluge) i naknade za NOS.

Bosanska verzija tabele,
Finansijski pokazatelji uspješnosti poslovanjaBosnian version of the table,
Income statement financial indicators

English version of the table

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GODIŠNJI IZVJEŠTAJ O POSLOVANJU
ANNUAL BUSINESS REPORTINCOME STATEMENT
FINANCIAL INDICATORS

32.1

INCOME STATEMENT FINANCIAL INDICATORS	2017 Realisation	2017 Plan	2016 Realisation
Electricity generation (GWh)	7.009.0	7.694.1	7.244.7
Operative revenues (thousands of BAM) *	1.107.859.6	1.004.929.0	988.798.1
Revenues from sales of electricity and auxiliary services *	1.065.700.5	961.927.5	948.474.1
Revenues from sales of by-products, materials and services	42.159.0	43.001.6	40.324.0
Cash operative costs (thousands of BAM)	988.711.9	859.567.4	814.779.9
- costs of materials for electricity generation and coal transport	400.711.3	416.176.5	379.360.8
- maintenance materials and services	22.814.2	32.385.7	25.933.2
- salaries and other operative costs	172.134.4	180.917.2	174.834.9
- dependent sales costs **	322.052.9	146.276.6	153.443.3
- charges	41.205.1	47.368.1	48.316.2
- other operative costs	29.794.0	36.443.2	32.891.5
EBITDA (thousands of BAM) *	119.147.6	145.361.6	174.018.2
Revenues from donations (amortisation of donated funds)	7.309.1	7.723.0	7.686.1
Amortisation (thousands of BAM)	150.916.7	151.640.6	172.019.9
EBIT (thousands of BAM) *	-24.460.0	1.444.0	9.684.4
////////////////////////////////////			
Operative coefficient (operative costs + amortisation/operative revenues)	1.022	0.999	0.990
Cost effectiveness ratio (total revenues/total revenues and expenditures)	1.001	1.001	1.013
Operative coefficient (operative costs/operative revenues)	0.892	0.855	0.824
Costs of employees per employee	38.00	39.94	37.61
Generation per employee	1.55	1.70	1.56
Share of costs and expenditures in total revenues	99.95	99.95	98.76
Average number of employees (Σ of end-month/12)	4.530	4.530	4.648
////////////////////////////////////			
Generation costs/operative revenues	36.2%	41.4%	38.4%
Costs of maintenance materials and services/operative revenues	2.1%	3.2%	2.6%
Operative costs/operative revenues	15.5%	18.0%	17.7%
Dependent sales costs/operative revenues	29.1%	14.6%	15.5%
Charges/operative revenues	3.7%	4.7%	4.9%
Other costs/operative revenues	2.7%	3.6%	3.3%

* For achievements for 2016 and 2017, for revenues from cut-off, a net principle of recording was applied, while in the 2017 Plan, amounts in positions marked with* would be by approximately 6.15 million BAM smaller.

** Dependent costs of procurement include costs of electricity procurement, costs of electricity transfer, costs of auxiliary services (system and other services) and IOS fees.

English version of the table,
Income statement financial indicators
Engleska verzija tabele,
Finansijski pokazatelji uspješnosti
poslovanja

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GODIŠNJI IZVJEŠTAJ O POSLOVANJU
ANNUAL BUSINESS REPORT

REALIZACIJA PLANA ULAGANJA

REALISATION OF THE INVESTMENT PLAN

Ukupan iznos investicionih ulaganja JP Elektroprivreda BiH u 2017. godini, iznosi 65,2 miliona KM što je manje za 90,3% u odnosu na Plan (ne uključujući ulaganja u dokapitalizaciju zavisnih društava), odnosno manje za 31,2% u odnosu na realizaciju ulaganja u 2016. godini.

Glavni razlozi koji su onemogućili realizaciju Plana ulaganja su striktna primjena Zakona o javnim nabavkama - pojedini tenderski postupci ponavljani su uslijed nedovoljnog broja prijavljenih ponuđača i dugotrajnih procesa obezbjeđivanja neophodnih dozvola i saglasnosti za realizaciju projekata.

U zavisna društva rudnike uglja, u toku 2017. godine, uloženo je 73,2 mil. KM.

The total amount of investments of JP Elektroprivreda in 2017 is 65.2 million BAM, which is by 90.3 per cent less than defined in the Plan (excluding recapitalisation investments in dependent companies), i.e. by 31.2 per cent less in comparison with investments realised in 2016.

This is mainly due to strict application of the Law on Public Procurement-certain tender procedures were repeated due to insufficient number of bidders who submitted their bids and lengthy process of obtaining necessary permits and approvals for implementation of projects.

In 2017, the total of 73.2 million BAM was invested in dependent companies-coal mines.

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GODIŠNJI IZVJEŠTAJ O POSLOVANJU
ANNUAL BUSINESS REPORTREALIZACIJA PLANA
ULAGANJAREALISATION OF THE
INVESTMENT PLAN

REALIZACIJA
PLANA
ULAGANJA PO
PODRUŽNICAMA/
DJELATNOSTIMA
U 2017.
(u mil.KM)

NIVO ULAGANJA	Ostvareno 2016.	Plan 2017.	Ostvareno 2017.	Struktura unutar djelatnosti	U odnosu na ukupna ulaganja
Djelatnost proizvodnje					
TE Tuzla	9,8	11,1	8,8	59,9%	13,5%
TE Kakanj	5,4	8,3	3,7	25,2%	5,7%
HE na Neretvi	5,3	5,7	2,1	14,3%	3,2%
mHE	0,4	0,5	0,1	0,7%	0,2%
IKT za djel. proizvodnje	0,1	0,7	0,0		
Ukupno djelatnost proizvodnje	21,0	26,3	14,7	100,0%	22,6%
Djelatnost distribucije					
ED Bihać	9,7	9,2	8,3	18,9%	12,7%
ED Mostar	4,6	7,3	4,2	9,6%	6,5%
ED Sarajevo	13,5	17,2	9,5	21,6%	14,6%
ED Tuzla	12,9	13,7	9,3	21,1%	14,1%
ED Zenica	14,8	14,5	12,2	27,7%	18,7%
IKT za djel. distribucije	0,8	2,6	0,5	1,1%	0,8%
Ukupno djelatnost distribucije	56,3	64,5	44,0	100,0%	67,4%
Ukupno djelatnost snabdijevanja	0,5	2,7	0,2	100,0%	0,3%
Ulaganja sa nivoa Društva					
Ulaganja u kapitalne projekte	14,1	576,9	5,8	90,6%	8,9%
Zajednički projekti	0,1	0,6	0,2	3,1%	0,3%
IKT	2,8	2,4	0,4	6,3%	0,6%
Ukupno sa nivoa Društva	17,0	579,9	6,4	100,0%	9,8%
Ukupno ulaganje EP BiH	94,8	673,4	65,2	-	100,0%

REALISATION OF
THE INVESTMENT
PLAN PER
SUBSIDIARIES/
ACTIVITIES
IN 2017
(in million BAM)

INVESTMENT LEVEL	Realised in 2016	Plan for 2017	Realised in 2017	Structure within activity	In comparison with total investments
Production activity					
TPP Tuzla	9.8	11.1	8.8	59.9%	13.5%
TPP Kakanj	5.4	8.3	3.7	25.2%	5.7%
HPP on the Neretva River	5.3	5.7	2.1	14.3%	3.2%
Small HPPs	0.4	0.5	0.1	0.7%	0.2%
ICT for production activity	0.1	0.7	0.0		
Total production activity	21.0	26.3	14.7	100.0%	22.6%
Distribution activity					
ED Bihać	9.7	9.2	8.3	18.9%	12.7%
ED Mostar	4.6	7.3	4.2	9.6%	6.5%
ED Sarajevo	13.5	17.2	9.5	21.6%	14.6%
ED Tuzla	12.9	13.7	9.3	21.1%	14.1%
ED Zenica	14.8	14.5	12.2	27.7%	18.7%
ICT for distribution activity	0.8	2.6	0.5	1.1%	0.8%
Total distribution activity	56.3	64.5	44.0	100.0%	67.4%
Total supply activity	0.5	2.7	0.2	100.0%	0.3%
Investments from the Company level					
Investments in capital projects	14.1	576.9	5.8	90.6%	8.9%
Joint projects	0.1	0.6	0.2	3.1%	0.3%
ICT	2.8	2.4	0.4	6.3%	0.6%
Total from Company level	17.0	579.9	6.4	100.0%	9.8%
Total investments of EP BiH	94.8	673.4	65.2	-	100.0%

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GODIŠNJI IZVJEŠTAJ O POSLOVANJU
ANNUAL BUSINESS REPORTREALIZACIJA PLANA
ULAGANJAREALISATION OF THE
INVESTMENT PLANULAGANJA U DJELATNOST PROIZVODNJE
INVESTMENTS IN PRODUCTION ACTIVITIES

Planom poslovanja za Djelatnost proizvodnje za 2017. godinu, predviđeno je ukupno ulaganje 26,3 miliona KM. Do kraja 2017. godine, ukupno je realizovano 14,7 miliona KM ili 55,9% planiranih ulaganja.

Najznačajniji realizovani projekti investicionog i tekućeg održavanja u 2017. godini u Djelatnosti proizvodnje su:

- Remont Bloka 4, Bloka 5 i Bloka 6 u TE „Tuzla“, te Bloka 6 i Bloka 7 u TE „Kakanj“;
- Remont Agregata 1 i Agregata 2 u HE „Grabovica“;
- Remont Agregata 1, Agregata 2 i Agregata 3 u HE „Salakovac“;
- Uklanjanje rashladnog tornja RT2 u TE „Tuzla“;
- Građevinska sanacija rashladnog tornja RT1 u TE „Tuzla“;
- Zamjena 6 kV postrojenja PR2A i PR2B, PR3A i PR3B sa zamjenom rastavljača i prekidača na 6 kV strani TM2 i TR3 u TE „Tuzla“;
- Nabavka rotora mlinova blokova 4 i 5 (8 kom) u TE „Tuzla“;
- Izgradnja pomoćne brane na deponiji Jezero u TE „Tuzla“;
- Nabavka i zamjena pregrijača 5A Bloka 5 – radovi u TE „Kakanj“;
- Nabavka i ugradnja inženjerske stanice sistema upravljanja na Bloku 5 u TE „Kakanj“;
- Radovi na uređenju deponije šljake i pepela – nasipanje šljake i pepela na zapadnu kosinu deponije u TE „Kakanj“;
- Nabavka elektromotora za pogon mlinova Bloka 6 u TE „Kakanj“;
- Zamjena sistema upravljanja i automatike Agregata 1 i 2 u pogonu HE „Grabovica“;
- Zamjena glavnih drenažnih pumpi u strojari pogona HE „Grabovica“.

Sredstva nisu realizirana u punom obimu zbog slijedećih razloga:

- Od realizacije određenih planiranih investicionih projekata se odustalo nakon preispitivanja potrebe za realizacijom istih, a sve u cilju obezbjeđivanja dodatnih sredstava za potrebe izgradnje novih proizvodnih objekata;
- Odgađanja planiranog remonta Bloka 5 u TE „Kakanj“;
- Minimalnih ulaganja (koji omogućava siguran i pouzdan rad), u proizvodne jedinice, koje će prema važećim planskim dokumentima (NERP) u narednom periodu raditi smanjeni broj sati;
- Određeni projekti realizirani su u planiranom obimu, za manji iznos od vrijednosti ulaganja odobrenog investicionim odlukama;
- Primjene Zakona o javnim nabavkama - nedovoljnog broja ponuđača te prigovora i žalbi ponuđača.

Production activity plan for 2017 envisages total investments in the amount of 26.3 million BAM. As of end-2017, the total of 14.7 million BAM or 55.9 per cent of planned investments were realised.

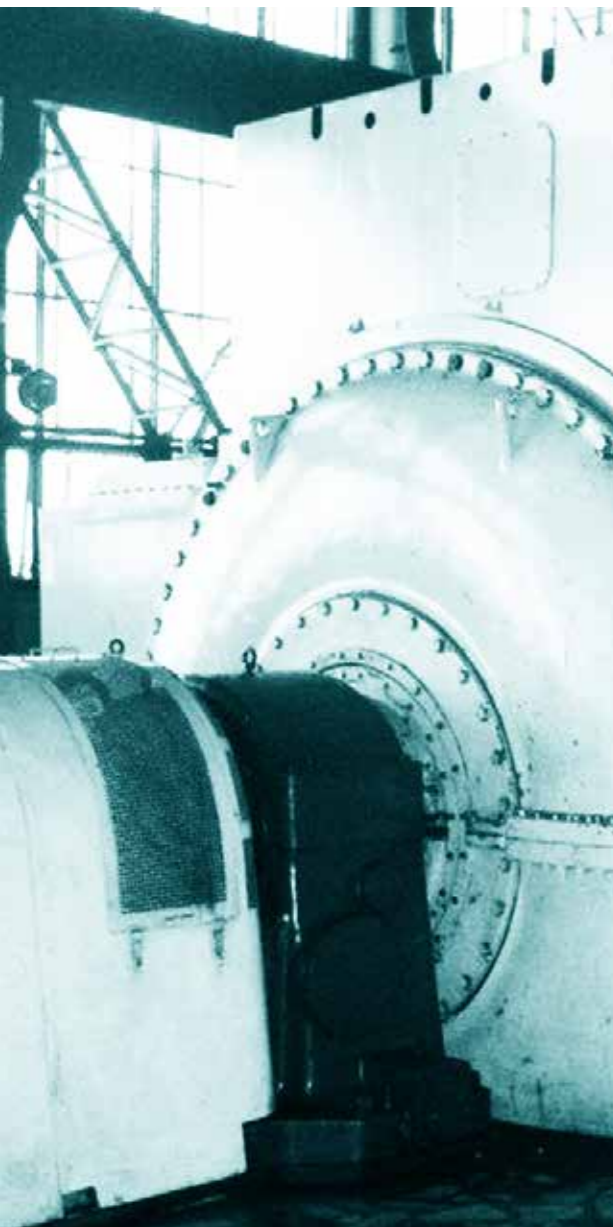
The most significant realised investment and maintenance projects in 2017 in production activities were the following:

- *Routine maintenance of Block 4, Block 5 and Block 6 in TPP Tuzla and Block 6 and Block 7 in TPP Kakanj;*
- *Routine maintenance of Power generator 1 and Power generator 2 in HPP Grabovica;*
- *Routine maintenance of Power generator 1, power generator 2 and power generator 3 in HPP Salakovac;*
- *Removal of a cooling tower RT2 in TPP Tuzla;*
- *Construction rehabilitation of cooling tower RT1 in TPP Tuzla;*
- *Replacement of the 6 kV plant PR2A and PR2B, PR3A and PR3B with replacement of a disconnector and switch on 6kV side of TM2 and TR3 in TPP Tuzla;*
- *Procurement of rotor block mills 4 and 5 (8 pcs.) in TPP Tuzla;*

- *Construction of auxiliary dam on Jezero depot in TPP Tuzla;*
- *Procurement and replacement of superheater 5A of Block 5-works in TPP Kakanj;*
- *Procurement and installation of engineering station of management system in Block 5 in TPP Kakanj;*
- *Works on slag and ash depot development-slag and ash backfilling onto the west slope of the depot in TPP Kakanj;*
- *Procurement of electro motors for mill drives of Block 6 in TPP Kakanj;*
- *Replacement of management and automation systems of Power generators 1 and 2 in HPP Grabovica;*
- *Replacement of main drainage pumps in the machine house of HPP Grabovica drive.*

The funds were not realised in their total volume due to the following:

- *Certain planned investment projects were abandoned after further consideration, with the aim of ensuring additional funds for construction of new generation facilities;*
- *Postponement of the planned rehabilitation of Block 5 in TPP Kakanj;*
- *Minimal investments (enabling safe and reliable operation) in generation units which will operate during a decreased number of hours in accordance with the applicable plan documents (NERP);*
- *Certain projects were implemented in the planned volume, with smaller investment value than approved in investment decisions;*
- *Implementation of the Law on Public Procurement-insufficient number of bidders and bidders' objections and complaints.*



▲ Generator BLOK 5



▼ Rashladni tornjevi TE Tuzla

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GODIŠNJI IZVJEŠTAJ O POSLOVANJU
ANNUAL BUSINESS REPORTREALIZACIJA PLANA
ULAGANJAREALISATION OF THE
INVESTMENT PLANULAGANJA U DJELATNOST DISTRIBUCIJE
INVESTMENTS IN DISTRIBUTION ACTIVITIES

Planom ulaganja u Djelatnost distribucije za 2017. godinu, predviđena su ukupna investiciona ulaganja u iznosu 64,5 miliona KM, od čega se na projekte iz distributivne djelatnosti odnosi 61,9 miliona KM, a za sistemske IKT projekte predviđen je iznos 2,6 miliona KM.

Tokom 2017. godine, ostvaren je nivo investicionih ulaganja u projekte Djelatnosti distribucije u iznosu 43,8 miliona KM, što je 67,9% u odnosu na Plan ulaganja za 2017. godinu.

Pregled najznačajnijih realizovanih projekata u 2017. godini:

- Izgradnja 82 TS 10(20)/0,4 kV i izgradnja distributivne mreže u dužini od 676,2 km, od toga 126 km srednjenaponske distributivne mreže i 536,2 km niskonaponske distributivne mreže;
- Rekonstrukcija 60 TS 10(20)/0,4 kV i rekonstrukcija distributivne mreže u dužini 243,7 km, od toga 54,2 km srednjenaponske distributivne mreže i 189,5 km niskonaponske distributivne mreže;
- Priključeno je 10.655 novih krajnjih kupaca, od čega 9.006 krajnjih kupaca iz kategorije domaćinstava, 1.649 krajnjih kupaca iz kategorije ostala potrošnja na niskom naponu i 24 krajnja kupca priključena na srednjenaponsku 10 (20) kV distributivnu mrežu;
- Izvršena ugradnja 5.639 novih elektronskih brojlila;
- Izvršena sanacija 46.158 obračunskih mjernih mjesta.

The 2017 Distribution Activities Investment Plan envisages total investments in the amount of 64.5 million BAM, of which the amount of 61.9 million BAM pertains to projects related to distribution activities and the amount of 2.6 million BAM pertains to system ICT projects. During 2017, the realised investments in distribution activity projects amounted to 43.8 million BAM, which represents 67.9 per cent in comparison with Investment plan for 2017.

Overview of the most significant projects implemented in 2017:

- *Construction of 82 TS 10(20)/0.4 kV and construction of 676.2 km long distribution network, of which 26 km of medium-voltage distribution network and 536.2 km of low-voltage distribution network;*
- *Reconstruction of 60 TS 10(20)/0.4 kV and reconstruction of 243.7 km distribution network, of which 54.2 km of medium-voltage distribution network and 189.5 km of low-voltage distribution network;*
- *New 10 655 customers were connected, of which 9 006 end-customers in household category, 1 649 end-customers in other consumption category to low-voltage and 24 end-customers to medium-voltage 10(20) kV distribution network;*
- *Installation of 5 639 new electronic meters;*
- *Routine maintenance of 46 158 calculation measurement locations.*

ULAGANJA U DJELATNOST SNABDIJEVANJA
INVESTMENTS IN SUPPLY ACTIVITIES

U Djelatnost snabdijevanja, za 2017. godinu, planirana su ukupna investiciona ulaganja u iznosu 2,7 miliona KM, od čega se na projekte iz Djelatnosti snabdijevanja odnosi 2,0 miliona KM, a za sistemske IKT projekte iz ove djelatnosti 660 hiljada KM.

Tokom 2017. godine, ostvaren je nivo investicionih ulaganja za projekte u iznosu 169 hiljada KM, što je 7,4 % u odnosu na planom predviđena sredstva, dok za sistemske IKT projekte iz ove djelatnosti nije bilo ulaganja.

In 2017, it was planned for the amount of 2.7 million BAM to be invested in supply activities, of which supply activity projects and ICT projects amount to 2.0 million BAM and 660 000 BAM, respectively.

During 2017, the achieved investments amounted to 169 000 BAM, or 7.4 per cent of planned funds, while there were no investments in ICT projects under this activity.

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GODIŠNJI IZVJEŠTAJ O POSLOVANJU
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ULAGANJAREALISATION OF THE
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HE Vranduk

ULAGANJA SA NIVOA
DRUŠTVA-KAPITALNE
INVESTICIJEINVESTMENTS FROM THE
COMPANY LEVEL-CAPITAL
INVESTMENTS

U toku 2017. godine kapitalna ulaganja su realizirana u iznosu 4,8 miliona KM.

Realizirane aktivnosti su se odnosile na pripreme radove za izgradnju HE „Vranduk“, pripremu izgradnje termoelektrana, hidroelektrana i malih elektrana iz obnovljivih i alternativnih izvora energije, a obuhvatale su: investitorski nadzor nad izvođenjem pripremnih aktivnosti, izradu investiciono-tehničke dokumentacije, pribavljanje potrebnih dozvola i saglasnosti, vođenje postupaka za eksproprijacije nekretnina, zatvaranje finansijske konstrukcije, pripremu tenderske dokumentacije za izbor isporučilaca opreme i izvođača za usluge i radove.

Realised capital investments in 2017 amounted to 4.8 million BAM.

Realised activities were related to preparatory works for construction of HPP Vranduk, preparation of construction of thermal power plants, hydro power plants and small plants from renewable and alternative energy resources, and included:

investment supervision over preparatory activities, preparation of investment-technical documents, obtaining necessary permits and approvals, real estate expropriation procedures, finalisation of financing structure, preparation of tender documents for selection of equipment suppliers and contractors for works and services.

Izgradnja HE „Vranduk“
Construction of HPP Vranduk

- Okončani su radovi u okviru faze 3 pripremnih radova izgradnja gradilišnih priključaka (privremene TS), kabliranje gradilišta sa privremenih TS, te postavljanje ograde u rejonu strojare;
- Pribavljena Energetska dozvola HE „Vranduk“;
- Izvođač je do obavijesti o prekidu Ugovora (12.06.2017.godine) radio na kompletiranju Glavnog projekta;
- Dalje aktivnosti na realizaciji Projekta odvijaju se po osnovu odluke o eventualnoj reafirmaciji postojećeg Ugovora. Pregovori sa Ugovaračem i komunikacija sa Bankom u vezi opcije nastavka Ugovora su u završnoj fazi.
- *Completion of works within phase 3 of preparatory works related to construction of construction site connections (temporary TS), construction site cabling from temporary TSs and assembly of rails in the machine house area;*
- *Energy permit for HPP Vranduk was obtained;*
- *The Contractor was engaged with completion of the Main design up to Contract termination (12 June 2017);*
- *Further implementation activities will be performed in accordance with a decision on possible re-affirmation of the existing Contract. Negotiations with the Contractor and communication with the Bank related to the possibility of continuation of the Contract are at their final stage.*

Blok 7 - 450 MW u TE „Tuzla“
Block 7-450 MW in TPP Tuzla

- Sporazum o projektnom partnerstvu je usuglašen i parafiran sa preferiranim ponuđačem;
- Vlada Federacije BiH je:
- dala saglasnost na predloženi tekst Sporazuma o projektnom partnerstvu, EPC Ugovora i saglasnost u postupku izdavanja Energetske dozvole za izgradnju Bloka 7- 450 MW u TE „Tuzla“;
- prihvatila usuglašeni Nacrt sporazuma o kreditnoj liniji između EPBiH i Izvozno-uvozne banke Kine, Sporazum je potpisan 27.11.2017.godine;

- prihvatila Informaciju o kreditu Izvozno-uvozne banke Kine uz garanciju Federacije Bosne i Hercegovine;
- imenovala Tim za pregovore o kreditu uz garanciju Federacije BiH;
- Pribavljeno je Rješenje o izmjeni Rješenja o izdavanju okolinske dozvole za izgradnju Bloka 7 u TE, koje je usaglašeno i usvojeno od strane Sekretarijata Energetske Zajednice.

- *Project Partnership Agreement was agreed upon and initialised with the preferred bidder;*
- *The Government of the Federation of Bosnia and Herzegovina:*
- *Approved the proposed wording of the Project Partnership Agreement, the EPC Contract and approval in the procedure of issuing of the Energy permit for construction of Block 7-450 MW in TPP Tuzla;*
- *Approved the agreed Draft Credit Facility Agreement between EP BiH and the Export-Import Bank of China-the Agreement was signed on 27 November 2017;*
- *Accepted the Credit Information of the Export-Import Bank of China, with the guarantee of the Federation of Bosnia and Herzegovina;*
- *Nominated the Negotiation Team for credit negotiations, with the guarantee of the Federation of Bosnia and Herzegovina;*
- *Decision on modification of the Decision on issuance of the Environmental Permit for construction of Block 7 in TPP was obtained, agreed upon and adopted by the Secretariat of the Energy Community.*



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INVESTMENT PLAN**Block 8 - 300 MW u TE „Kakanj“**
Block 8-300 MW in TPP Kakanj

- Na osnovu Projektnog zadatka za inoviranje Idejnog projekta zamjenskog Bloka 8 TE „Kakanj“, završena je tenderska dokumentacija za izbor izvođača/projektanta za inoviranje investiciono-tehničke i okolinske dokumentacije;
- Pribavljena je nova Okolinska dozvola i Prethodna vodna suglasnost.
- *On the basis of the Terms of Reference for novation of the Preliminary Design of replacement Block 8 of TPP Kakanj, the tender documents for selection of contractor/designer for novation of investment-technical and environmental documents were completed;*
- *New Environmental permit and Preliminary water permit were obtained.*

HE „Janjčić“ - 15,75 MW na rijeci Bosni, Grad Zenica
HPP Janjčić-15.75 MW on the Bosna River, City of Zenica

- Pribavljena je pravosnažna Okolinska dozvola;
- Urađen i revidovan Idejni projekat HE „Janjčić“;
- Pribavljeno je Rješenje o urbanističkoj saglasnosti za izgradnju;
- Pokrenut je postupak proglašenja javnog interesa za eksproprijaciju nekretnina kod gradskih službi Grada Zenica;
- *Environmental permit was obtained and is in full force and effect;*
- *Preliminary Design for HPP Janjčić was prepared and revised;*
- *Decision on Urban permit for construction was obtained;*
- *The procedure of proclaiming the public interest for expropriation of real estates before the administration of the City of Zenica was initiated;*

HE „Kruševo“ - 10,69 MW- na rijeci Bioštica, područje općine Olovo
HPP Kruševo-10.69 MW-on the Bioštica River, Municipality of Olovo

- Potpisan je Ugovor za izradu investiciono-tehničke dokumentacije – „Idejno rješenja HE ‘Kruševo’ sa procjenom opravdanosti investicije“ za HE „Kruševo“ na rijeci Bioštica, na području općine Olovo. Rok za okončanje aktivnosti po Ugovoru je septembar 2018.godine.
- *The Contract for preparation of investment-technical documents-Preliminary Design of HPP Kruševo with Assessment of the Justifiability of the Investment for HPP Kruševo on the Bioštica River, Municipality of Olovo, was prepared. The deadline for completion of Contract activities is September 2018.*

HE „Una Kostela“, nastavak rekonstrukcije i proširenje - 13,7 MW na rijeci Uni, Grad Bihać
HPP Una Kostela, continuation of reconstruction and extension-13.7 MW on the Una River, City of Bihać

- Urađen je i revidiran Idejni projekat rekonstrukcije i proširenja;
- Pribavljeno Okolinska dozvola za „II fazu rekonstrukcije i proširenje HE ‘Una Kostela’“;
- Realizirani su ugovori za izradu Elaborata o istražnim radovima o ekološki prihvatljivom protoku rijeke Une na profilu HE i izradu hidrauličkih podloga za izradu projektnog zadatka za projektovanje rekonstrukcije mosta za Brekovicu;
- Aktivnosti radi rješavanja pitanja „vodnog akta“, pripreme za provođenje ispitivanja i istraživanja za narednu fazu projektovanja i pokretanje postupka za odobravanje građenja su u toku.
- *Preliminary Design for the project of reconstruction and extension was prepared and revised;*
- *Environmental permit for Phase II of reconstruction and extension of HPP Una Kostela was obtained;*
- *Contracts for preparation of the Elaborate on survey works on environmentally acceptable flow of river Una on HPP profile and preparation of hydraulic basis for preparation of the Terms of Reference for designing the reconstruction of bridge for Brekovic were realised;*
- *Activities related to settling the issue of water flow, preparation for survey works for the following design stage and initiation of the procedure for construction approval are currently ongoing.*

HE „Ustikolina“ - 60,48 MW na rijeci Drini u općinama Foča-Ustikolina i Goražde
HPP Ustikolina-60.48 MW on river Drina in Municipalities of Foča-Ustikolina and Goražde

- Vođeni su pregovori sa predstavnicima lokalne zajednice s ciljem stvaranja preduslova za realizaciju planiranog Projekta;
- Upućeno je pismo namjere Skupštini Bosansko-podrinjskog kantona Goražde, Vladi Bosansko-podrinjskog kantona Goražde, općinama Goražde i Foča–Ustikolina o izgradnji HE „Ustikolina“.
- *Negotiations with representatives of the local community were held with the aim of establishing preconditions for implementation of the stated Project;*
- *Letter of Intent related to construction of HPP Ustikolina was submitted to the Assembly of Bosnia-Podrinje Canton, to the Government of Bosnia-Podrinje Canton, Municipalities of Goražde and Foča-Ustikolina;*

HE „Kovanići“ - 9,1 MW na rijeci Bosni, Grad Zenica i područje općine Žepče
HPP Kovanići-9.1 MW on the Bosnia River, City of Zenica, and Municipality of Žepče

- Urađena je Studija ekonomske opravdanosti za potrebe pribavljanja koncesije i podnesen zahtjev za koncesiju;
- Potpisan Ugovor za izradu investiciono-tehničke dokumentacije „Izrada Idejnog projekta za HE ‘Kovanići’“ – rok za izradu je septembar 2018.g.
- *Economic justifiability study was prepared for the purpose of obtaining the concession and the request for concession was submitted;*
- *Contract for preparation of investment-technical documentation Preparation of Preliminary Design for HPP Kovanići-deadline for preparation is September 2018.*

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INVESTMENT PLAN

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Mala Neretvica

HE „Babino Selo“ – 6,17 MW na
rijeci Vrbas, područje općine
Donji Vakuf
*HPP Babino Selo-6.17 MW on the
Vrbas River, Municipality of Donji
Vakuf*

- U toku je izrada Studije izvodljivosti za HE „Babino Selo“ sa procjenom utjecaja na okolinu. Izvedeni su geološki istražni radovi i urađena je radna verzija Studije izvodljivosti-tehnički dio, u toku su istraživanja za „Procjenu kritičnih staništa“ na projektnom području.
- *The Feasibility Study for HPP Babino Selo is currently under preparation, including assessment of the environmental impact. Geological survey works were completed and the draft of the Feasibility Study-Technical Part was prepared, while the survey works for assessment of Critical Habitats Assessment in the Project area are ongoing.*

SHE na gornjem toku rijeke
Neretve: HE „Glavatičevo“, HE
„Bjelimići“ i PHE „Bjelimići“
*Small HPPs in the upper flow of
the Neretva River: HPP Glavatičevo,
HPP Bjelimići and PHPP Bjelimići*

- Podnesen Zahtjev za dodjelu koncesije za Sistem hidroelektrana na gornjem toku rijeke Neretve putem samoinicijativne ponude.
- *Request for concession for the Hydro Power Plants System in the upper Neretva River flow through uninformed tender was submitted.*

Priprema i izgradnja MHE „Kakanj“
na slivu rijeke Bosne
*Preparation and construction of small
HPP Kakanj on the Bosnia River water
shed*

- Na osnovu Rješenja Ureda za žalbe, poništen je pokrenuti postupak nabavke usluge izrade Idejnog projekta za MHE „Kakanj“. Uslijedit će obnavljanje postupka.
- *On the basis of the Decision of the Office for Complaints, the initiated procedure of procurement of services of preparation of the Preliminary Design for SHPP Kakanj was cancelled. The procedure will be re-initiated.*

MHE na slivu rijeke Neretvice
*SHPP on the Neretvica River water
shed*

- Završena aktivnost na prenamjeni šumskog i poljoprivrednog u građevinsko zemljište za IA Fazu (MHE „Srijanski most“ i MHE „Gorovnik ušće“);
- Pribavljene su obnovljene Okolinske dozvole za I, II i III Fazu Projekta (9 MHE);
- Završeni glavni projekti za IB Fazu Projekta (MHE „Crna rijeka“ i MHE „Gorovnik“);
- Obnovljene Urbanističke saglasnosti za I Fazu Projekta;
- Završena Revizija Glavnog projekta za IA Fazu;
- Proveden tenderski postupak nabavke i završena evaluacija ponuda za Opremu IA Faze Projekta;
- Pripremljena tenderska dokumentacija za građevinske radove i cjevovod IA Faze Projekta;
- *The activity of re-stating of forest and agriculture land as building land for IA Phase was completed (SHPP Srijanski most and SHPP Gorovnik Ušće);*
- *Novated Environmental Permits for Phases I, II and III of the Project (9 SHPPs) were obtained;*
- *Main Design for IB Project Phase (SHPP Crna Rijeka and SHPP Gorovnik) was completed;*
- *Urban permits for Phase I of the Project were novated;*
- *Main Design review for IA Phase was completed;*
- *The tender procedure for procurement and evaluation of bids for IA Project Phase equipment were completed;*
- *Tender documents for construction works and IA Project Phase pipeline were prepared.*

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GODIŠNJI IZVJEŠTAJ O POSLOVANJU
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ULAGANJAREALISATION OF THE
INVESTMENT PLANPriprema i izgradnja
VE „Podveležje 1“, Grad Mostar

LOT 1 (15 vjetroagregata sa temeljima), završena kvalifikacijska, tehnička i komercijalna evaluacija ponuđača;

LOT 2 (trafostanica 110/30kV i 30kV kablovska i fiberoptička mreža) završena kvalifikacijska, tehnička i komercijalna evaluacija ponuđača, prema odabranom ponuđaču upućena informacija o prihvatanju dostavljene ponude;

LOT 3 (pristupni putevi, servisne saobraćajnice i montažni platoi za kranove) zaključen Ugovor za izgradnju pristupnih puteva, servisnih saobraćajnica i montažnih platoa za kranove. Izvođač je uveden u posao 20.02.2017.godine, rok za završetak radova je 20.06.2018.godine;

110 kV Priključak na prijenosnu mrežu

- Od strane Elektroprijenosa BiH odabran izvođač za izgradnju priključnog dvosistemskog 110kV dalekovoda od izlaznih portala TS 110/30kV „Podveležje“ do postojećeg 110kV dalekovoda HE „Jablanica“ – TS „Mostar 2“.
- Dopunjeni ranije urađeni dokumenti „Gap Analysis“ i „Environmental and Social Management Plan“, u skladu sa IFC smjernicama i drugim relevantnim internacionalnim propisima i standardima (organizovanje nove javne rasprave za VE „Podveležje 1“, mjerenje baznog - nultog nivoa buke na i u blizini projektnog područja, proračun efekta zasjenjivanja na okolnim stambenim objektima), te izrada Studije uticaja na okoliš.

Program i ugovor o međusobnoj saradnji sa lokalnom zajednicom

- Grad Mostar odabrao izvođača radova i nadzorni organ za rekonstrukciju postojeće lokalne saobraćajnice L 13 u dužini cca 2,5 km na istočnom ulazu projektno područje, radovi su u toku.

Preparation and construction of
WF Podveležje 1, the City of Mostar

LOT 1 (15 wind power generators)-qualification, technical and commercial evaluation of bidders was completed;

LOT 2 (power transformer station 110/30kV and 30kV cable and fibre optical network) - qualification, technical and commercial evaluation of bidders was completed, the selected bidder was submitted the information on acceptance of the submitted bid;

LOT 3 (access roads, service roads and assembly plateaux for cranes)-Contract for construction of access roads, service roads and assembly plateaux for cranes was signed. The Contractor was introduced on 20 February 2017 and the deadline for completion of works is 20 June 2018.

110 kV connection to the transfer network

- *TRANSCO BiH selected the contractor for construction of the two system 110 kV long distance power line from exit portals TS 110/30 kV Podveležje to the existing 110 kV long distance power line of HPP Jablanica-TS Mostar 2.*
- *Previously prepared documents Gap Analysis and Environmental and Social Management Plan were updated, in accordance with IFC guidelines and other relevant international regulations and standards (organisation of a new public discussion for WF Podveležje 1, measuring of basis-zero level of noise in and in the vicinity of project area, calculation of shadowing effect on nearby residential buildings) and the Environmental Impact Assessment was prepared.*

Program and contract of mutual cooperation with local communities

- *The City of Mostar selected the contractor and the supervisory body for reconstruction of the existing local road L 13 of the approximate length of 2.5 km on the eastern entrance in the Project area; the works are currently being performed.*

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INFORMACIONO KOMUNIKACIONE
TEHNOLOGIJE – IKT
*INFORMATION AND COMMUNICATION
TECHNOLOGIES-ICT*REALIZACIJA PLANA
ULAGANJAREALISATION OF THE
INVESTMENT PLAN

U oblasti IKT u 2017.godini, planom poslovanja bilo je predviđeno ulaganje u ukupnom iznosu od 6,349 miliona KM. Tokom 2017.godine, u realizaciju projekata iz oblasti IKT uloženo je 0,822 miliona KM za zajedničke projekte i projekte djelatnosti. Planirana i realizovana ulaganja, po djelatnostima, prikazana su u sljedećoj tabeli:

In the ICT area in 2017, the Plan envisaged investments in the total amount of 6.349 million BAM. During 2017, the amount of 0.822 million BAM was invested in implementation of ICT projects, i.e. in joint projects and activity projects. Planned and implemented investments, per activity, are shown in the following table:

ULAGANJA PO TAČKAMA PLANA	Plan za 2017.	Ostvareno I-XII 2017.	Procenat realizacije
IKT			
I.b IKT Proizvodnja	0,713	0,108	15,15%
II.b IKT Distribucija	2,603	0,508	19,52%
III.b IKT Snabdijevanje i trgovina	0,660	0,022	3,33%
V.a IKT Zajednički	2,373	0,184	7,75%
IKT ukupno	6,349	0,822	12,95%

INVESTMENTS PER PLAN ITEMS	Plan for 2017	Realised Jan.-Dec 2017	Realisation percentage
ICT			
<i>I.b ICT generation</i>	<i>0.713</i>	<i>0.108</i>	<i>15.15%</i>
<i>II.b ICT distribution</i>	<i>2.603</i>	<i>0.508</i>	<i>19.52%</i>
<i>III.b ICT supply and trade</i>	<i>0.660</i>	<i>0.022</i>	<i>3.33%</i>
<i>V.a ICT joint projects</i>	<i>2.373</i>	<i>0.184</i>	<i>7.75%</i>
ICT total	6.349	0.822	12.95%



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ZAJEDNIČKI PROJEKTI – OPĆI
POSLOVI
*JOINT PROJECTS-GENERAL AFFAIRS***REALIZACIJA PLANA
ULAGANJA****REALISATION OF THE
INVESTMENT PLAN**

U okviru zajedničkih projekata, Opći poslovi Direkcije Društva su za 2017. godinu planirali 635 hiljada KM. Od ukupno planiranih sredstava realizovano je 96 hiljada ili 15% i odnosi se na izmještanje cjevovoda vodovoda i kanalizacije u svrhu izgradnje podzemne parking garaže ispred Poslovno tehničke zgrade JP Elektroprivreda BiH d.d.– Sarajevo, kao i nabavku opreme za održavanje. Na isti način potrebno je izvršiti izmještanje čeličnog gasovoda, čime bi se stekli uslovi za izvođenje radova na izgradnji podzemne garaže.

Within joint projects, General affairs of the Directorate of the Company planned the amount of 635.000 BAM in 2017. Out of total planned funds, the amount of 96.000 BAM or 15 per cent was realised and relates to dislocation of the water supply and sewerage pipeline for the purpose of construction of an underground garage in front of the Business-technical building of JP Elektroprivreda BiH d.d.-Sarajevo, as well as procurement of maintenance equipment. Likewise,, the steel gas pipeline has to be dislocated as well, so as to enable the said construction works.



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REALIZACIJA PLANA
ULAGANJAREALISATION OF THE
INVESTMENT PLAN

ZA DOKAPITALIZACIJU
SEDAM ZAVISNIH
DRUŠTAVA-RUDNIKA
UGLJA, U 2017. GODINI,
PLANOM JE PREDVIENO
ULAGANJE U IZNOSU 167,3
MILIONA KM, DOK JE ZA
TAJ PERIOD REALIZOVA-
NO 65,5 MILIONA KM ILI
39,15% OD PLANA.

FOR RECAPITALISATION OF
SEVEN DEPENDENT
COMPANIES-COAL MINES
IN 2017, THE PLAN
ENVISAGED INVESTMENTS
IN THE AMOUNT OF 167.3
MILLION BAM. THIS PERIOD
SAW REALISATION OF 65.5
MILLION BAM OR 39.15
PER CENT OF PLANNED
INVESTMENTS.

REALIZACIJA PLANA ULAGANJA U
ZAVISNA DRUŠTVA-RUDNIKE UGLJAREALIZATION OF INVESTMENT PLAN FOR
COAL-RELATED COAL-MINING COMPANIES

Po rudnicima, ulaganja 2017. godine su iznosila:

• Rudnici uglja „Kreka“ d.o.o. Tuzla	8,1 miliona KM
• Rudnik mrkog uglja „Đurđevik“ d.o.o. Đurđevik	0,3 miliona KM
• Rudnik mrkog uglja „Kakanj“ d.o.o. Kakanj	20,2 miliona KM
• Rudnik mrkog uglja „Breza“ d.o.o. Breza	5,3 miliona KM
• Rudnik mrkog uglja „Zenica“ d.o.o. Zenica	27,5 miliona KM
• Rudnik uglja „Gračanica“ d.o.o. Gornji Vakuf	0,7 miliona KM
• Rudnik mrkog uglja „Abid Lolić“ d.o.o. Travnik	3,4 miliona KM

Investments in 2017, per mines, amounted to:

• Coal mines Kreka d.o.o. Tuzla	8.1 million BAM
• Brown coal mine Đurđevik d.o.o. Đurđevik	0.3 million BAM
• Brown coal mine Kakanj d.o.o. Kakanj	20.2 million BAM
• Brown coal mine Breza d.o.o. Breza	5.3 million BAM
• Brown coal mine Zenica d.o.o. Zenica	27.5 million BAM
• Coal mine Gračanica d.o.o. Gornji Vakuf	0.7 million BAM
• Brown coal mine Abid Lolić d.o.o. Travnik	3.4 million BAM

Najznačajnije investicije u zavisna društva-rudnike uglja tokom 2017. godine:

The most significant investments in dependent companies-coal mines during 2017:

RUDNICI UGLJA „KREKA“ D.O.O. TUZLA
COAL MINES KREKA D.O.O. TUZLA

- Eksproprijacija zemljišta PK „Dubrave“ i PK „Šikulje“, vrijednosti 1,2 miliona KM;
- Gumena transportna traka, vrijednosti 3,4 miliona KM;
- Čelična lučna podgrada, vrijednosti 1,5 miliona KM;
- Strukturno-pijezometarske bušotine, bunari za odvodnjavanje i pumpna postrojenja, vrijednosti 0,5 miliona KM;
- Oprema za generalni remont KMŠČ, vrijednosti 0,9 miliona KM;
- Izmještanje Šikuljačke rijeke, vrijednosti 0,4 miliona KM.

- Expropriation of land-Open cut mining (OCM) Dubrave and OCM Šikulje in the amount of 1.2 million BAM;
- Rubber transport conveyor belt in the amount of 3.4 million BAM;
- Steel arc shoring in the amount of 1.5 million BAM;
- Structure-piezometer drills, drainage wells and pump facilities in the amount of 0.5 million BAM;
- Equipment for general routine maintenance of complex mechanised forefront (CMF) in the amount of 0.9 million BAM;
- Displacement of Šikuljačka Rijeka in the amount of 0.4 million BAM.

RUDNIK MRKOG UGLJA „ĐURĐEVIK“ D.O.O. ĐURĐEVIK
BROWN COAL MINE ĐURĐEVIK D.O.O. ĐURĐEVIK

- Autocisterna za gorivo, vrijednosti 0,2 miliona KM;
- Energetski uljni transformator, vrijednosti 0,1 miliona KM.
- Fuel tank truck in the amount of 0.2 million BAM;
- Energy oil transformer in the amount of 0.1 million BAM;

RUDNIK MRKOG UGLJA „KAKANJ“ D.O.O. KAKANJ
BROWN COAL MINE KAKANJ D.O.O. KAKANJ

- Damperi nosivosti 130-140t za pogon „Vrtlište“, vrijednosti 10,99 miliona KM;
- Transportni sistem za transport u jami Dizel lokomotivom sa donjom šinom i ozubljenom letvom (šinom) za dužinu transporta 1500 m za pogon „Haljinići“, vrijednosti 2,73 miliona KM;
- Čelična lučna podgrada, vrijednosti 1,3 miliona KM;
- Gumena transportna traka, vrijednosti 0,3 miliona KM;
- Preostali dio za KMŠČ, vrijednosti 2,3 miliona KM (dio investiran u 2016. godini);
- Istražna bušenja, vrijednosti 0,3 miliona KM;
- Eksproprijacija zemljišta, vrijednosti 0,8 miliona KM;
- Dio za HTO „Ribnica“, vrijednosti 1,3 miliona KM;
- Hidraulični bager, vrijednosti 5,43 miliona KM.

- Dampers of load carrying capacity of 130.140 tons for facility Vrtlište in the amount of 10.99 million BAM;
- Transport system for transport in the pit with diesel locomotive and lower rail and geared rod (rail) for 1500 m of transport length for Haljinići facility in the amount of 2.73 million BAM;
- Steel arc shoring in the amount of 1.3 million BAM;
- Rubber conveyor belt in the amount of 0.3 million BAM;
- Remaining part for CMF in the amount of 2.3 million BAM (one part was invested in 2016);
- Survey drillings in the amount of 0.3 million BAM;
- Expropriation of land in the amount of 0.8 million BAM;
- Part for HTO depot Ribnica in the amount of 1.3 million BAM;
- Hydraulic excavator in the amount of 5.43 million BAM.

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REALIZACIJA PLANA
ULAGANJAREALISATION OF THE
INVESTMENT PLANRUDNIK MRKOG UGLJA „BREZA“ D.O.O. BREZA
BROWN COAL MINE BREZA D.O.O. BREZA

- Mašina za izradu jamskih prostorija, vrijednosti 1,3 miliona KM;
- Investiciona šira priprema, vrijednosti 1,1 miliona KM;
- Izrada i rekonstrukcija izlaznih prostorija, vrijednosti 1,4 miliona KM;
- Trakasti transporteri, vrijednosti 0,6 miliona KM;
- Grabuljasti transporteri, vrijednosti 0,2 miliona KM;
- Čelična lučna predgrada, vrijednosti 0,1 miliona KM;
- Jamska viseća pruga, vrijednosti 0,1 miliona KM;
- Teretni lift, vrijednosti 0,1 miliona KM

- *Machine for construction of pit facilities in the amount of 3.1 million BAM;*
- *Wide investment preparation in the amount of 1.1 million BAM;*
- *Construction and reconstruction of exit facilities in the amount of 1.4 million BAM;*
- *Conveyor belts in the amount of 0.6 million BAM;*
- *Scraper conveyors in the amount of 0.2 million BAM;*
- *Steel arc shoring in the amount of 0.1 million BAM;*
- *Pit suspended railway segments in the amount of 0.1 million BAM;*
- *Hydraulic service lift in the amount of 0.1 million BAM.*

RUDNIK MRKOG UGLJA „ZENICA“ D.O.O. ZENICA
BROWN COAL MINE ZENICA D.O.O. ZENICA

- Dio ugovora o nabavci opreme mehanizovanog širokočelnog kompleksa u jami „Raspotočje“ RMU „Zenica“, vrijednosti 17,6 miliona KM;
- Mašina za izradu jamskih prostorija, vrijednosti 1,3 miliona KM;
- Ventilatorsko postrojenje za južni dio jame Stara jama, vrijednosti 0,9 miliona KM;
- Grabuljasti transporteri, vrijednosti 0,9 miliona KM;
- Trakasti transporteri, vrijednosti 1,5 miliona KM;
- Čelična lučna podgrada, vrijednosti 1,1 miliona KM;
- Dizel lokomotiva za jamu, vrijednosti 0,5 miliona KM;
- Jamski vagoneti, vrijednosti 0,5 miliona KM;
- Segmenti jamske viseće pruge, vrijednosti 0,3 miliona KM;
- Široko čelo i originalni dijelovi za sistem gasno ventilacioni parametara, vrijednosti 2,18 miliona KM.

- *Part of the Contract for procurement of mechanised wide forefront complex in Raspotočje pit of the BCM Zenica in the amount of 17.6 million BAM;*
- *Machine for construction of pit facilities in the amount of 1.3 million BAM;*
- *Ventilation facility for the southern part of Stara Jama pit in the amount of 0.9 million BAM;*

- *Scraper conveyors in the amount of 0.9 million BAM;*
- *Conveyor belts in the amount of 1.5 million BAM;*
- *Steel arc shoring in the amount of 1.1 million BAM;*
- *Diesel locomotive for the pit in the amount of 0.5 million BAM;*
- *Pit vaggons in the amount of 0.5 million BAM;*
- *Pit suspended railway segments in the amount of 0.3 million BAM;*
- *Wide forefront and original parts for the gas and ventilation parameters system in the amount of 2.18 million BAM.*

RUDNIK UGLJA „GRAČANICA“ D.O.O. GORNJI VAKUF
COAL MINE GRAČANICA D.O.O. GORNJI VAKUF

- Greder u iznosu 0,7 miliona KM.
- *Grader in the amount of 0.7 million BAM*

RUDNIK MRKOG UGLJA „ABID LOLIĆ“ D.O.O. TRAVNIK
BROWN COAL MINE „ABID LOLIĆ“ D.O.O. TRAVNIK

- Gumena transportna traka, vrijednosti 0,3 miliona KM;
- Repromaterijal i radna snaga na realizaciji projekata investicioni rudarski radovi i investicioni radovi na rekonstrukciji, vrijednosti 1,9 miliona KM;
- Izvođenje radova na dionici glavnog ventilacionog transportnog hodnika u jami „Grahovčići“, vrijednosti 0,6 miliona KM;
- Sistem gasno ventilacionih parametara, vrijednosti 0,3 miliona KM.

- *Rubber conveyor belt in the amount of 0.3 million BAM;*
- *Processed materials and work force for realisation of investment mine works and investment reconstruction works in the amount of 1.9 million BAM;*
- *Works on the section of main ventilation transport corridor in pit Grahovčići in the amount of 0.6 million BAM;*
- *Gas ventilation parameters system in the amount of 0.3 million BAM;*

REALIZACIJA PLANA
ULAGANJA U ZAVISNA
DRUŠTVA-RUDNIKE UGLJAREALIZATION OF
INVESTMENT PLAN FOR
COAL-RELATED COAL-MINING
COMPANIES

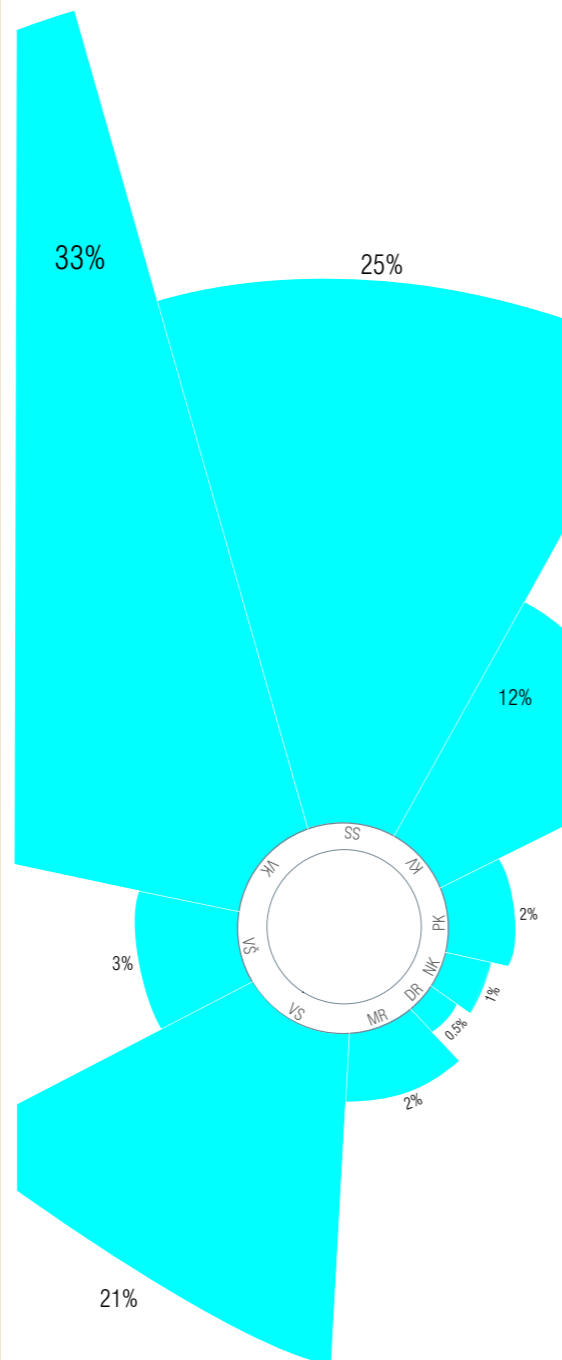
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GODIŠNJI IZVJEŠTAJ O POSLOVANJU
ANNUAL BUSINESS REPORT

LJUDSKI RESURSI

HUMAN RESOURCES

REALIZACIJA PLANA LJUDSKIH RESURSA *REALISATION OF THE HUMAN RESOURCES PLAN*

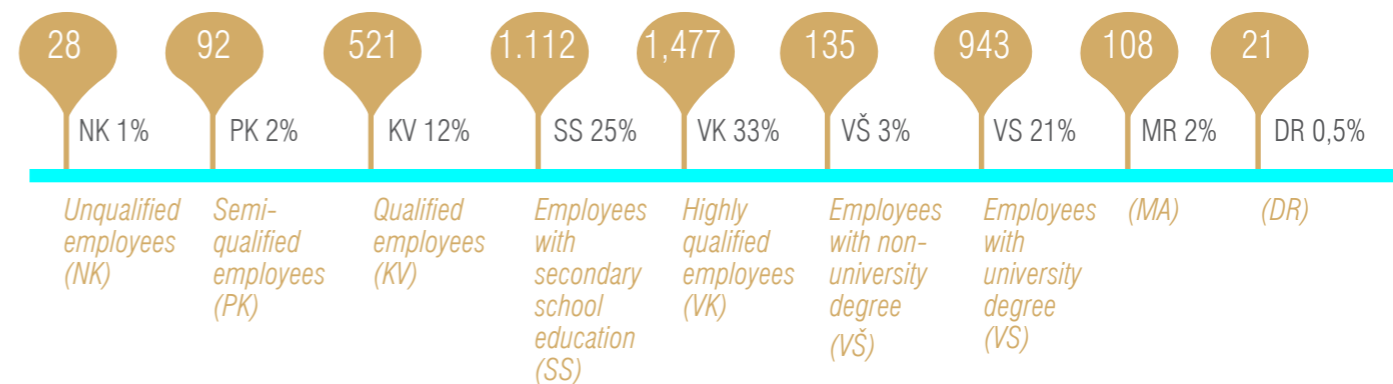


Broj zaposlenih u JP Elektroprivreda BiH, 31.12.2017. godine, bio je 4.481, od čega 4.437 na neodređeno vrijeme, 8 zaposlenika na određeno vrijeme, te 8 sa statusom mirovanja ili na neplaćenom odsustvu. U statusu pripravnika bilo je 27 lica i jedno lice kao zamjena za zaposlenike privremeno spriječene za rad.

Zapošljavanja su vršena u skladu sa Odlukom o utvrđivanju načina realizacije zapošljavanja novih zaposlenika i angažovanja pripravnika u Javnom preduzeću Elektroprivreda Bosne i Hercegovine d.d.-Sarajevo, a prema Planom utvrđenom broju.

As of 31 December 2017, there were 4 481 employees in JP Elektroprivreda BiH, of which 4 437 were permanently employed, eight employees with a fixed-term contract and eight employees whose status was suspended or who were on an unpaid leave. There were 27 trainees and one person was employed as a replacement.

Employment was performed in accordance with the Decision on determining the method of realisation of employment of new employees and engagement of trainees in Javno preduzeće Elektroprivreda Bosne i Hercegovine d.d.-Sarajevo, and in accordance with the numbers defined in the Plan.



U toku 2017. godine, radi provođenja mjera štednje, edukativne aktivnosti su značajno smanjene u odnosu na period prije 2017.godine. Realizirane su samo nužne prioritete edukacije.

Upućivanje radnika na seminare, savjetovanje, simpozije, kurseve, obučavanje, sticanje/produžavanje važnja licenci, certifikata i stručnih ispita odvijalo se u skladu sa potrebama za individualnim razvojem radnika i u skladu sa planiranim sredstvima, s tim da je i kod ovih vidova obuka bio prisutan trend smanjenja u odnosu na raniji period.

During 2017, due to savings measures, education activities were significantly decreased in comparison with the period prior to 2017. Only necessary priority education was realised.

Employees attended seminars, consultations, symposiums, courses, trainings, licence trainings/licence and certification extension trainings and professional exams in accordance with individual professional development requirements and planned funds. Likewise, these types of training experienced a downward trend in comparison with the previous period.

STANJE ZAPOSLENIH EPBIH NA DAN 31.12.2017.GODINE

Javno preduzeće Elektroprivreda Bosne i Hercegovine d.d.-Sarajevo
Public Enterprise Elektroprivreda of Bosnia and Herzegovina d.d. - SarajevoGODIŠNJI IZVJEŠTAJ O POSLOVANJU
ANNUAL BUSINESS REPORTLJUDSKI RESURSI
HUMAN RESOURCES

Red broj	Organizacioni dio	Stanje 31.12. 2016.	Neodređeno	Određeno	Ostalo	Ukupno	Zamjena/ pripravnici	Ukupno
1	Uprava i org. jedinice uz Upravu	125	118		1	119		119
2	Sektor za proizvodnju	13	10			10		10
3	Sektor za rudarstvo	8	7		1	8		8
4	Sektor za distribuciju	11	10		1	11		11
5	Sektor za upravljanje i trgovinu	24	24			24	1	25
6	Sektor za snabdijevanje	12	13			13	1	14
7	Ekonomski poslovi	39	39			39		39
8	Pravni i kad.poslovi	21	18		1	19		19
9	Kapitalne investicije	36	32			32		32
10	Razvoj u Društvu	27	26		1	27		27
11	Opći poslovi	43	41			41		41
12	Ured Sekretara Društva	4	4			4		4
13	Odjel za internu reviziju	11	11			11		11
	DIREKCIJA UKUPNO	374	353	0	5	358	2	360
1	HE na Neretvi	373	360			360	4	364
2	TE "Kakanj"	614	600	2	1	603	8	611
3	TE "Tuzla"	665	649	3		652	4	656
4	ED Bihać	405	394			394	2	396
5	ED Mostar	214	206			206	2	208
6	ED Sarajevo	594	577			577	3	580
7	ED Tuzla	636	589	3	1	593	3	596
8	ED Zenica	740	709		1	710	0	710
	EPBiH Ukupno	4.615	4.437	8	8	4.453	28	4.481

REALIZACIJA PLANA
LJUDSKIH RESURSABosanska verzija tabele,
Finansijski pokazatelji uspješnosti poslovanja
*Bosnian version of the table,
Income statement financial indicators*

English version of the table

OVERVIEW OF EMPLOYEES AS OF 31 DECEMBER 2017

Javno preduzeće Elektroprivreda Bosne i Hercegovine d.d.-Sarajevo
Public Enterprise Elektroprivreda of Bosnia and Herzegovina d.d. - Sarajevo

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GODIŠNJI IZVJEŠTAJ O POSLOVANJU
ANNUAL BUSINESS REPORT

LJUDSKI RESURSI HUMAN RESOURCES

No.	Organisational unit	As of 31 December 2016	Permanent employment	Fixed-term contract	Other	Total	Replacement/ trainees	Total
1	Management and Management related organisational units	125	118		1	119		119
2	Department for generation	13	10			10		10
3	Department for mining	8	7		1	8		8
4	Department for distribution	11	10		1	11		11
5	Department for management and trade	24	24			24	1	25
6	Department for supply	12	13			13	1	14
7	Economic affairs	39	39			39		39
8	Legal and human resources affairs	21	18		1	19		19
9	Capital investments	36	32			32		32
10	Development in the Company	27	26		1	27		27
11	General affairs	43	41			41		41
12	Company secretary office	4	4			4		4
13	Internal audit unit	11	11			11		11
	TOTAL in the DIRECTORATE	374	353	0	5	358	2	360
1	HPP on the Neretva River	373	360			360	4	364
2	TPP Kakanj	614	600	2	1	603	8	611
3	TPP Tuzla	665	649	3		652	4	656
4	ED Bihać	405	394			394	2	396
5	ED Mostar	214	206			206	2	208
6	ED Sarajevo	594	577			577	3	580
7	ED Tuzla	636	589	3	1	593	3	596
8	ED Zenica	740	709		1	710	0	710
	Total EPBiH	4.615	4.437	8	8	4.453	28	4.481

REALISATION OF THE
HUMAN RESOURCES PLAN

English version of the table,
Income statement financial indicators
Engleska verzija tabele,
Finansijski pokazatelji uspješnosti
poslovanja



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GODIŠNJI IZVJEŠTAJ O POSLOVANJU
ANNUAL BUSINESS REPORT

IZVJEŠTAJ O NABAVKAMA

PROCUREMENT REPORT

U toku 2017. godine JP Elektroprivreda BiH je zaključila ugovore čija je ukupna vrijednost iznosila 547.179,8 hilj. KM, što je za cca 35 miliona više u odnosu na 2016. godinu. Ovo povećanje obima nabavki najvećim dijelom je realizirano sa zavisnim društvima – rudnicima uglja od kojih je nabavljena za 10% veća količina uglja u odnosu na 2016. godinu.

Vrijednost ukupno zaključenih ugovora u EPBiH i zavisnih društava putem EPBiH u 2017. godini iznose 574.861.979 KM od čega:

- je EPBiH zaključila ugovora u iznosu od 547.179.859 KM (95% vrijednosti ugovora),
- su zavisna društva rudnici po osnovu dokapitalizacije zaključili ugovore u iznosu 27.682.120 KM (5% vrijednosti ugovora).

During 2017, JP Elektroprivreda BiH concluded contracts in the total amount of 547.179.900 BAM, which is by approximately 35 million BAM more than in 2016. This increase in the procurement volume is for the most part related to dependent companies-coal mines, from which 10 per cent more coal was procured than in 2016.

The total value of concluded contracts in EPBiH and in dependent companies through EPBiH in 2017 was 574.861.979 BAM, of which:

- *EPBiH concluded contracts in the amount of 547.179.859 BAM (95 per cent of total contract value);*
- *Dependent companies-coal mines concluded, under recapitalisation contracts in the amount of 27.682.120 BAM (5 per cent of total contract value).*

I PREGLED ZAKLJUČENIH UGOVORA O NABAVKAMA U 2017 GODINI ZA JP ELEKTROPRIVREDA BIH

Vrsta postupka	Broj postupaka	Vrijednost u KM	% vrijednosti
Direktni sporazum	1.402	1.485.060	0,27 %
Konkurentski postupak sa objavom	316	3.115.515	0,57 %
Pregovarački bez objave	49	119.659.369	21,87 %
Pregovarački sa objavom	7	146.815	0,03%
Otvoreni postupak	637	83.337.086	15,23 %
Ugovori koji se dodjeljuju po posebnom režimu	23	730.443	0,13 %
Nabavka od zavisnih društva	107	338.575.516	61,88 %
Izuzeće od primjene ZJN-a	286	130.055	0,02 %
UKUPNO:	2.827	547.179.859	100%

I OVERVIEW OF CONCLUDED PROCUREMENT CONTRACTS IN 2017 FOR JP ELEKTROPRIVREDA BIH

Procedure type	Number of procedures	Value in BAM	% of value
Direct agreement	1.402	1.485.060	0.27 %
Competitive procedure with procurement notice	316	3.115.515	0.57 %
Negotiated procedure without procurement notice	49	119.659.369	21.87 %
Negotiated procedure with procurement notice	7	146.815	0.03%
Open procedure	637	83.337.086	15.23 %
Contracts awarded under special regime	23	730.443	0.13 %
Procurement from dependent companies	107	338.575.516	61.88 %
Excluded from application of the Law on Public Procurement	286	130.055	0.02 %
TOTAL:	2.827	547.179.859	100%

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GODIŠNJI IZVJEŠTAJ O POSLOVANJU
ANNUAL BUSINESS REPORTIZVJEŠTAJ O
NABAVKAMA

PROCUREMENT REPORT

II PREGLED ZAKLJUČENIH UGOVORA O NABAVKAMA U
2017 GODINI ZA ZD RUDNIKE

Vrsta postupka	Broj postupaka	Vrijednost u KM	% vrijednosti
Otvoreni postupak	28	19.714.631	71,22%
Pregovarački postupak bez objave obavještenja	3	1.430.392	5,17%
Nabavka od ZD TTU Energetik, Tuzla	12	6.537.097	23,61%
UKUPNO:	43	27.682.120	100%

II OVERVIEW OF CONCLUDED PROCUREMENT CONTRACTS
IN 2017 FOR DEPENDENT COMPANIES-COAL MINES

Procedure type	Number of procedures	Value in BAM	% of value
Open procedure	28	19.714.631	71,22%
Negotiated procedure without procurement notice	3	1.430.392	5,17%
Procurement from dependent company TTU Energetik, Tuzla	12	6.537.097	23,61%
TOTAL:	43	27.682.120	100%

Napredak u oblasti javnih nabavki postignut u povećanju konkurentnosti, jer se tenderi objavljuju elektronski, preko informacionog sistema „E-nabavke“, koji je instalirala Agencija za javne nabavke.

Odluka JP Elektroprivreda BiH da sve nabavke (centralizirane i decentralizirane) provode isključivo putem „E-aukcije“ u značajnoj mjeri je dovela do snižavanja cijena pojedinih roba/radova i usluga.

Broj pregovaračkih postupaka je sveden na minimum, uz primjenu isključivo u situacijama definisanim Zakonom o javnim nabavkama. U ukupnom broju postupaka (2.827) na pregovarački postupak otpada svega 1,73%, ali u ukupnoj ugovorenoj vrijednosti iznosi 119.659.369 KM ili 21,87% i to isključivo zbog velikih vrijednosti pregovaračkih postupaka za nabavku uglja sa RMU Banovići (76 mil KM), te prijevoz uglja željeznicom (29,6 mil.KM).

Improvement in the area of public procurement was achieved in view of increased competitiveness, since tender procedures are published electronically, through E-procurement information system introduced by the Public Procurement Agency.

The Decision taken by JP Elektroprivreda BiH to perform all procurements (centralised and non-centralised) exclusively through E-auction resulted in significantly lower prices of certain goods/works and services.

The number of negotiated procedures was minimised and performed exclusively in circumstances stipulated by the Law on Public Procurement. In the total number of procedures (2.827), negotiated procedures represent only 1.73 per cent, while their share in the total contracted value amounts to 119.659.369 BAM or 21.87 per cent, solely due to the big values of negotiated procedures for procurement of coal for brown coal mine (BCM) Banovići (76 million BAM) and coal railway transport (29.6 million BAM).

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ZAŠTITA OKOLIŠA

ENVIRONMENT PROTECTION

ZAŠTITA OKOLIŠA *ENVIRONMENT PROTECTION*

JP Elektroprivreda BiH d.d. – Sarajevo (EPBiH) i njena zavisna društva, odlučni su u nastojanju da odgovorno pristupe svim svojim poslovnim aktivnostima, uzimajući u obzir utjecaje na okoliš i poštovanje načela održivog razvoja. Težimo kontinuiranom napretku u smislu primjene standarda zaštite okoliša te, uporedo s razvojem poslovanja, nastojimo smanjiti negativan utjecaj na okoliš i na taj način ispuniti definirane poslovne ciljeve. Tokom 2017. godine, nastavilo se s provođenjem planova zaštite okoliša i prirodnih resursa u okviru nadležnih službi u Direkciji Društva i podružnicama te stručnim timovima koji se formiraju prema nastaloj tekućoj problematici.

JP Elektroprivreda BiH d.d. Sarajevo (EPBiH) and its dependent companies are determined in their responsible approach to business operations, bearing in mind environmental impact and compliance with the sustainable development principle. We are keen to progress in terms of implementing environment protection standards and, in parallel to developing our business, we strive to minimize negative impact on environment and to achieve our business objectives in line with these principles. In 2017, we continued implementing environment and natural resources protection plan within the framework of operations of competent services in the Directorate of the Company and in the subsidiaries, as well as in expert teams established in accordance with current issues.

PRAĆENJE ME UNARODNE I DOMAĆE LEGISLATIVE *INTERNATIONAL AND DOMESTIC LEGISLATION FOLLOW-UP*

EPBiH kontinuirano prati međunarodnu i domaću legislativu i pravovremeno izvještava o nastalim obavezama. Aktivno učestvuje i u aktivnostima Energetske zajednice u pravnoj stečevini za pitanja zaštite okoliša, kroz članstvo u radnoj grupi za okoliš EnZ.

EPBiH is constantly following-up on international and domestic legislation and prepares timely reports on new obligations. It actively participates in the activities of the Energy Community and in the acquis in view of environment protection issues through its membership in the Environment Group of the Energy Community.

OKOLIŠNE I VODNE DOZVOLE *ENVIRONMENT AND WATER PERMITS*

U 2017. godini nastavljeno je sa provođenjem aktivnosti naloženih putem važećih okolinskih i vodnih dozvola u proizvodnim i distributivnim podružnicama Društva.

In 2017, activities directed in applicable environment and water permits in production and distribution subsidiaries of the Company were continued.

ZAŠTITA OKOLIŠA

ENVIRONMENT
PROTECTIONRAZVOJNI PROJEKTI
DEVELOPMENT
PROJECTSBlok 7 - 450 MW u TE „Tuzla“
Block 7-450 MW in TPP Tuzla

Projekat Blok 7 u TE „Tuzla“ je usklađen s važećim društvenim i okolišnim zakonima, propisima i propisanim dozvolama u BiH, te relevantnim i lokalno primjenjivim međunarodnim konvencijama, standardima i sporazumima, naročito onima koji se tiču emisija stakleničkih plinova (Greenhouse Gas – GHG)

U skladu sa Odlukom, odnosno obavezama prema Ugovoru o uspostavi energetske zajednice, Federalno ministarstvo okoliša i turizma je dana 18.07.2016.godine, donijelo Rješenje o izdavanju okolišne dozvole broj:UP-I/05/2-23-71/15 FM JP Elektroprivreda BiH za izgradnju Bloka 7 u TE „Tuzla“ u kojoj su propisane GVE u skladu sa tadašnjim provedbenim propisima FBiH, a koji je sadržavao GVE iz dijela I Anexe V Direktive 2010/75/EU ($SO_2 < 200 \text{ mg/m}^3\text{n}$, $NO_x < 200 \text{ mg/m}^3\text{n}$ i čvrste čestice $20 \text{ mg/m}^3\text{n}$).

U skladu sa potpisanim EPC ugovorom i shodno nadolazećim obavezama usklađivanja zakonodavstva do 01.01.2018. godine, JP Elektroprivreda BiH je 19.12.2016.godine, Federalnom ministarstvu okoliša i turizma podnijela Inicijativu za izmjenu mjere iz okolišne dozvole Bloka 7 u TE „Tuzla“ broj:01-4-39181/2016 za izmjene u tački 5.1. koje se odnose na granične vrijednosti emisija u zrak, tj. da se granične vrijednosti emisija usklade sa dijelom 2, Anexe V Poglavlja III Direktive 2010/75/EU o industrijskim emisijama umjesto sa dijelom 1 Anexe V, koji je transponiran u Pravilniku o graničnim vrijednostima emisija u zrak iz postrojenja za sagorijevanje (Sl. novine FBiH br.: 03/13).

U periodu provođenja aktivnosti Federalnog ministarstva okoliša i turizma po Inicijativi JP Elektroprivreda BiH, pred Sekretarijatom Energetske zajednice u Beču provedena je medijacija, a u vezi izdavanja predmetnog Rješenja za planirani Blok 7 TE „Tuzla“. Postupak je okončan potpisivanjem Sporazuma o nagodbi između Sekretarijata energetske zajednice i Federalnog ministarstva okoliša i turizma (FMOiT), a kojim se Federalno ministarstva okoliša i turizma obavezuje da će za Blok 7 u TE „Tuzla“ izmijeniti okolišnu dozvolu u skladu sa relevantnim zahtjevima Dijela 2 Anexe V Direktive 2010/75/EU o industrijskim emisijama.

Shodno Sporazumu JP Elektroprivreda BiH je dobila Rješenje broj:UP-I/05/223-71/15 SN od 06.10.2017.godine, o izmjeni Rješenja o izdavanju okolišne dozvole za izgradnju Bloka 7 u TE „Tuzla“ broj:UP-I/05/223-71/15FM od 18.07.2016. godine, koje je usaglašeno i usvojeno od strane Sekretarijata

Energetske Zajednice ($SO_2 < 150 \text{ mg/m}^3\text{n}$, $NO_x < 200 \text{ mg/m}^3\text{n}$ i čvrste čestice $< 10 \text{ mg/m}^3\text{n}$). Prema Sporazumu nakon usvajanja izmjena Sekretarijata Energetske Zajednice je zatvorio Slučaj ECS-17/16 čime potvrđuje usklađenost Okolišne dozvole sa zahtjevima Poglavlja III I Anexe V Direktive. Sekretarijat je 11.12.2017.godine, objavio (<https://www.energy-community.org/news/Energy-Community-News/2017/12/11.html?#>).

Block 7 Project in TPP Tuzla is in line with applicable social and environmental laws, regulations and prescribed permits in Bosnia and Herzegovina, as well as with relevant and locally applicable international conventions, standards and agreements, in particular those related to emission of greenhouse gases.

In accordance with the Decision and obligations defined in the Agreement on Establishment of Energy Community, the Federal Ministry of Environment and Tourism adopted on 18, July, 2016 the Decision on issuance of an environmental permit No.: UP-I/05/2-23-71/15 FM to JP Elektroprivreda BiH for construction of Block 7 in TPP Tuzla prescribing GVE in accordance with the implementing regulation applicable at that time, containing GVE from Part I of Annex V of the Directive 2010/75/EU ($SO_2 < 200 \text{ mg/m}^3\text{n}$, $NO_x < 200 \text{ mg/m}^3\text{n}$ and solid particles $20 \text{ mg/m}^3\text{n}$).

In accordance with the signed EPC Contract and the upcoming obligations of harmonising the legislation by 1 January 2018, on 19 December 2016, JP Elektroprivreda BiH submitted an initiative to the Federal Ministry of Environment and Tourism for amendments to point 5.1 of the Environmental Permit for Block 7 in TPP Tuzla No.: 01-4-39181/2016 in view of threshold limits of air emissions, i.e. for the threshold limits of emission to be aligned with Part 2 of Annex V transposed into the Rulebook on threshold limits of air emissions from combustion plants (Official Gazette of FBiH, 03/13).

During the period of activities of the Federal Ministry of Environment and Tourism as per the initiative of JP Elektroprivreda BiH, mediation took place before the Secretariat of the Energy Community in Vienna related to issuance of the stated Decision for the planned Block 7 of TPP Tuzla. The procedure was concluded by the Plea Agreement between the Secretariat of the Energy Community and the Federal Ministry of Environment and Tourism by which the Ministry is obliged to amend the environmental permit for Block



7 in TPP Tuzla in accordance with relevant requests defined in Part 2 of Annex V of Directive 2010/75/EU on industrial emissions.

Pursuant to the Plea Agreement, JP Elektroprivreda BiH received the Decision No.: UP-I/05/223-71/15 SN of 6 October 2017 on amendment to the Decision on issuance of environmental permit for construction of Block 7 of TPP Tuzla No.: UP-I/05/223-71/15FM of 18 July 2016 aligned and adopted by the Secretariat of the Energy Community ($SO_2 < 150 \text{ mg/m}^3\text{n}$, $NO_x < 200 \text{ mg/m}^3\text{n}$ and solid particles $< 10 \text{ mg/m}^3\text{n}$). In accordance with the Plea Agreement, following the adoption of the said amendments, the Secretariat closed Case No.: ECS-17/16, thus confirming compliance of the Environmental Permit with requirements stated in Chapter III I of Annex V of the Directive. The Secretariat published its Decision on 11 December on <https://www.energy-community.org/news/Energy-Community-News/2017/12/11.html?#>.

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ZAŠTITA OKOLIŠA

ENVIRONMENT
PROTECTIONBlok 8 - 300 MW u TE „Kakanj“
Block 8-300 MW in TPP Kakanj

Urađen je Projektni zadatak - Za inoviranje Idejnog projekta zamjenskog Bloka 8 TE „Kakanj“, broj:08-1-29484/16 od 27.09.2016.godine. Prema Projektnom zadatku predložene su izmjene u odnosu na Investiciono-tehničku i okolinsku dokumentaciju urađenu 2010.godine.

Prema Projektnom zadatku pripremljena je tenderska dokumentacija za inoviranje Idejnog projekta za zamjenski Blok 8 u TE „Kakanj“, koji treba da sadrži sve potrebne elemente koji omogućavaju izgradnju Bloka u skladu sa najboljim raspoloživim tehnikama za postrojenja za sagorijevanje – LCP BAT (Best Available Techniques), kao i u skladu sa graničnim vrijednostima emisija u zrak, tj. da se granične vrijednosti emisija usklade sa dijelom 2 Aneksa V Poglavlja III Direktive 2010/75/EU o industrijskim emisijama, umjesto sa dijelom 1 Aneksa V, koji je transponiran u Pravilniku o graničnim vrijednostima emisija u zrak iz postrojenja za sagorijevanje (Sl. novine FBiH br.: 03/13).

U 2017. godini su obnovljene i dobijene dozvole:

- Obnovljena Prethodna vodna saglasnost broj:UP-I/25-1-40-404-3/17 od 07.07.2017. godine, izdata od „Agencije za vodno područje rijeke Save“ Sarajevo;
- Obnovljena Okolinska dozvola broj:UP-I/05-23-11-66/17 od 07.07.2017.godine, izdata od Federalnog ministarstva okoliša i turizma. Okolinskom dozvolom su propisane granične vrijednosti emisija u zrak $SO_2 < 200 \text{ mg/m}^3\text{n}$ (u slučaju izgaranja u cirkulirajućem fluidiziranom sloju), $NO_x < 200 \text{ mg/m}^3\text{n}$ i čvrste čestice $< 10 \text{ mg/m}^3\text{n}$
- Obnovljeni Uslovi za priključak na prijenosnu mrežu 400 kV broj:03-2351/17 od 29.03.2017.godine, izdati od Elektroprijenos BiH.

Terms of Reference for innovation of the preliminary design of the project of substitute Block 8 of TPP Kakanj No.: 08-1-29484/16 of 27, September, 2016 were developed. The Terms of Reference propose modifications in view of Investment-technical and environmental documentation prepared in 2010. Tender documents for innovation of the preliminary design of the project of substitute Block 8 in TPP Kakanj was prepared in accordance with the Terms of

Reference. The tender documents should comprise all necessary elements enabling construction of Block 8 in accordance with the best available techniques for combustion-LCP BAT, as well as in accordance with thresholds of air emission, i.e. for the thresholds to be aligned with Part 2 of Annex V of Chapter III of Directive 2010/75/EU on industrial emissions, instead with Part 1 of Annex V transposed in the Rulebook on thresholds of air emissions from combustion plants (Official Gazette of FBiH, 03/13).

The following permits were novated and obtained:

- Preliminary Water Permit No.: UP-I/25-1-40-404-3/17 of 7 July 2017 issued by the Sava River Watershed Agency Sarajevo was novated;
- Environmental Permit No.: UP-I/05-23-11-66/17 of 7 July 2017 issued by the Federal Ministry of Environment and Tourism was novated. The Permit prescribes thresholds of air emission $SO_2 < 200 \text{ mg/m}^3\text{n}$ (in case of combustion in circulating fluidised layer), $NO_x < 200 \text{ mg/m}^3\text{n}$ and solid particles $< 10 \text{ mg/m}^3\text{n}$;
- Requirements for connection to the transfer grid 400 kV No.: 03-2351/17 of 29 March 2017 issued by Elektroprijenos BiH (BiH Transmission Company (TRANSCO));

Hidroelektrane „Janjići“, „Kovanići“
i „Babino Selo“
Hydro power plants Janjići, Kovanići
and Babino Selo

Tokom 2017. godine, nastavljeno je kontinuirano praćenje nivoa podzemnih voda na instaliranim pijezometarima.

In 2017, monitoring of underground water levels was continued on installed piezometers.

VE „Podveležje 1“
Wind farm Podveležje I

U decembru 2017.godine, potpisan je amandman na postojeći konsultantski ugovor koji se finansira iz GRANT sredstava, a odnosi se na:

1. Reviziju postojećeg dokumenta „Gap Analysis“ i identifikaciju stavki koje nisu urađene u skladu sa „IFC

performace“ standardima i dokumentima drugim relevantnih međunarodnih tijela koja tretiraju ovu problematiku.

2. Realizaciju identifikovanih stavki i u konačnici izradu Studije uticaja na okoliš ESIA za projekat VE Podveležje

Navedene aktivnosti započete su u drugoj polovini 2017. godine.

In December 2017, an amendment was signed to the existing consultancy agreement financed by grant funds, relating to the following:

1. Review of the existing document entitled Gap Analysis and identification of items not prepared in accordance with IFC Performance Standards and documents of other relevant competent international bodies.
2. Completion of identified items and finally, preparation of the Environmental Impact Assessment ESIA for WF Podveležje.

The stated activities were initiated in the second half of 2017.

15 MHE na slivu rijeke Neretvice
Fifteen small HPPs on the Neretvica

Federalno ministarstva okoliša i turizma izdalo je Rješenje o obnovljenim Okolinskim dozvolama za I Fazu Projekta za četiri mHE: Gorovnik ušće, Gorovnik, Crna rijeka i Srijanski most, te Rješenja o obnovljenim Okolinskim dozvolama iz II i III Faze Projekta za 5 mHE: Plavuzi, Prolaz, Poželavaka, Ruste i Duboki potok 1, od strane Ministarstva trgovine, turizma i zaštite okoliša HNK.

Za projekat VP „Vlašić“ u 2017. godini, Federalno ministarstvo okoliša i turizma je izdalo Rješenje o okolinskoj dozvoli, sa rokom važenja od 5 (pet) godina.

The Federal Ministry of Environment and Tourism issued the Decision on novated environmental permits for Phase I of the Project for four small HPPs: Gorovnik Ušće, Gorovnik, Crna Rijeka and Srijanski Most and Decision for novated environmental permits for Phases II and III for five HPPs: Plavuzim, Prolaz, Poželavaka, Ruste and Duboki Potok 1 by the Ministry of Trade, Tourism and Environment of the Government of Hercegovina-Neretva Canton.

In 2017, the Federal Ministry of Environment and Tourism issued the Decision on environment permit for WF Vlašić, with a five-year validity period.

RAZVOJNI PROJEKTI
DEVELOPMENT
PROJECTS

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ZAŠTITA OKOLIŠA

ENVIRONMENT
PROTECTION

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SISTEM OKOLINSKOG
UPRAVLJANJA
ENVIRONMENT
MANAGEMENT
SYSTEMTE „Tuzla“
TPP Tuzla

Certifikacijska kuća je izvršila II nadzorni audit Integriranog sistema poslovnog upravljanja TE „Tuzla“ i ocijenila da je u potpunosti usklađen sa međunarodnim standardima: ISO 9001:2008 i ISO 14001:2004.

Izvršena je obuka za interne auditore iz ISO 14001:2015 (12 zaposlenika). Nakon uspješno obavljene obuke, dobijeni su Cetifikati za R.B.A Auditora. Za menadžment TE „Tuzle“ izvršena je obuka za primjenu novih zahtjeva iz standarda BAS EN ISO 14001:2015.

The Certification Company completed the second supervision audit of the Integrated Business Management System in TPP Tuzla and assessed that it is completely in line with international standards ISO 9001:2008 and ISO 14001:2004.

Successful completion of ISO 14001:2015 training for internal auditors (12 employees) resulted in R.B.A. Auditor Certificates. TPP Tuzla Management underwent training for implementation of new BAS EN ISO 14001:2015 Standard requirements.

TE „Kakanj“
TPP Kakanj

Izvršen je eksterni i interni audit po pitanju primjene zahtjeva standarada BAS EN ISO 14001.

Dokumenti su u fazi prilagođavanja novom izdanju Standarda.

External and internal audit were performed in view of implementation of BAS EN ISO 14001 Standard requirements. The documents are currently being adapted to the new version of the Standard.

HE na Neretvi
HPP on the Neretva River

Urađen je Program poboljšanja integriranog sistema upravljanja (ISU) za 2017. godinu, na osnovu kojeg su provedene slijedeće aktivnosti:

- Urađen je Izvještaj o realizaciji Programa poboljšanja ISU za 2017. godinu;
- Izvršeno preispitivanje dokumenata ISU (Management review);

- Proveden je Interni audit u svim pogonima/sektorima;
- Izvršena je analiza okolinskih aspekata koji se odnose na proces proizvodnje električne energije u pogonima/sektorima;
- Izvršena je ocjena usklađenosti rada sa zakonskim i drugim okolinskim zahtjevima;
- Proveden je recertifikacijski audit integriranog sistema upravljanja od strane predstavnika ovlaštenog certifikacijskog tijela, prema zahtjevima EN ISO 14001:2004;

The Integrated Management System (IMS) Improvement Programme was prepared for 2017 and used as the basis for implementation of the following activities:

- *Preparation of the Report on implementation of 2017 IMS Improvement Programme;*
- *Revision of IMS document by the Management;*
- *Internal audit in all plants/sectors;*
- *Analysis of environmental aspects related to electricity generation process in plants/sectors;*
- *Assessment of compliance of operations with legal and other environmental requirements;*
- *Recertification audit of the Integrated Management System by the representatives of the authorised certification body, in accordance with EN ISO 14001:2004 requirements.*

ED „Tuzla“
Elektro distribucija Tuzla

Izvršen je recertifikacijski audit radi produženja važenja Certifikata Sistema okolinskog upravljanja BAS EN ISO 14001, uz certifikaciju Sistema prema ISO 9001, koji zajedno čine Integrirani sistem upravljanja - ISU. Vršene su aktivnosti na prilagođavanju postojećeg sistema novom izdanju ISO standarda ISO 14001:2015, te su izvršene pripreme za recertifikaciju sistema.

Recertification audit for the purpose of extending the period of validity of the Certificate for the Environment Management System BAS EN ISO 14001 was performed, including certification of the System in line with ISO 9001 standard, jointly representing the Integrated Management System. Activities related to alignment of the existing System to the new version of ISO 14001:2015 Standard were implemented, in addition to preparations for System recertification.

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REZIME

SUMMARY

JP Elektroprivreda BiH je u 2017. godini ostvarila ukupan prihod u iznosu 1.155,1 miliona KM i neto dobit 0,62 miliona KM.

In 2017, JP Elektroprivreda BiH achieved total revenues in the amount of 1.155.1 million BAM and net profit in the amount of 0.62 million BAM.

Od pozitivnih trendova u poslovanju moguće je izdvojiti:

- Manji procenat distributivnih gubitaka (smanjen i u odnosu na 2016. godinu);
- Značajne uštede na dijelu fiksnih troškova i troškova održavanja;
- Pozitivne efekte po osnovu pomoćnih usluga (posebno u dijelu koji se odnosi na kapacitete);
- Veću cijenu kratkoročne prodaje električne energije.

Poslovanje JP Elektroprivreda BiH u 2017. godini bilo je uspješno, posebno imajući u vidu da je unatoč pretežno negativnim okolnostima, ostvarena dobit, te zadržana urednost i pouzdanost u snabdijevanju kupaca električnom energijom.

Nastavljeni su naponi da se otklone uočene slabosti u poslovanju Društva, što se prvenstveno odnosi na:

- Intenziviranje aktivnosti na realizaciji kapitalnih investicija, posebno u vezi sa Blokom 7 u TE „Tuzla“;
- Aktivniju ulogu u rješavanju problema i poboljšanju produktivnosti u rudnicima uglja;
- Poboljšanje upravljanja zalihama, procesa nabavki i druge mjere štednje u poslovanju;
- Aktivno učešće i preuzimanje inicijative u rješavanju spornih pitanja u odnosima sa lokalnim i kantonalnim vlastima, uključujući rješavanje pitanja koncesija i vodnih naknada;
- Realizaciju preporuka nadležnih revizorskih tijela.

Tokom 2017. godine, kompanija nije bila suočena sa većim gubitka tržišnog udjela, ali je došlo do gubitka dijela prihoda zbog nižih prodajnih cijena. U odnosu na ranije godine, prodajne cijene električne energije za krajnje kupce bile su manje (u odnosu na 2016. godinu prosječno za 2,3%, a u odnosu na 2015. godinu za 3,5%).

Nastavljeno je i sa procesom dokapitalizacije zavisnih ruštava – rudnika uglja u koje je investirano preko 70 miliona KM.

Kompanija je aktivnim djelovanjem i finansijskim sredstvima doprinijela očuvanju likvidnosti rudnika, prvenstveno kroz značajna avansna plaćanja za nabavke uglja. Postignut je napredak u proizvodnji uglja i brojni drugi pozitivni parametri poslovanja rudnika. Međutim, u narednom periodu nužni su dodatni naponi kako bi se poslovanje rudnika unaprijedilo do nivoa dugoročne održivosti.

The following positive trends should be noted:

- *Smaller percentage of distribution losses (smaller even in comparison with 2016);*
- *Significant savings in part related to fixed and maintenance costs;*
- *Positive effects under auxiliary services (particularly in part related to capacities);*
- *Higher price of short-term sales of electricity.*

Despite predominantly negative circumstances, business operations of JP Elektroprivreda BiH in 2017 were successful, with realised profit and maintained order and reliability in electricity supply to customers.

Efforts with the aim of removing the identified weaknesses in operations of the Company were continued, primarily related to:

- *Intensification of activities on implementation of capital investments, especially in view of Block 7 of TPP Tuzla;*
- *Active role in dealing with issues and improvement of productivity in coal mines;*
- *Improvement of stock management, procurement procedure and other saving measures in operations;*
- *Active participation and initiative to settle issues with local and cantonal authorities, including concession and water fee issues;*
- *Implementation of recommendations of competent audit bodies.*

During 2017, the Company did not face any major loss of

market share, but it experienced certain revenues loss due to lower sales prices. In comparison with previous years, sales prices of electricity for end-customers were lower (in comparison with 2016, by average of 2.3 per cent, and in comparison with 2015, by 3.5 per cent).

The process of recapitalisation of dependent companies-coal mines was continued through investment of more than 70 million BAM.

The Company contributed to maintaining the liquidity of mines through its active participation and financial funds, but primarily through significant advance payments for coal procurement. Progress was achieved in coal production, including numerous other positive parameters of their operation. However, additional efforts are necessary in the future period in order for the operation of mines to be improved and reach the level of long-term sustainability.

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