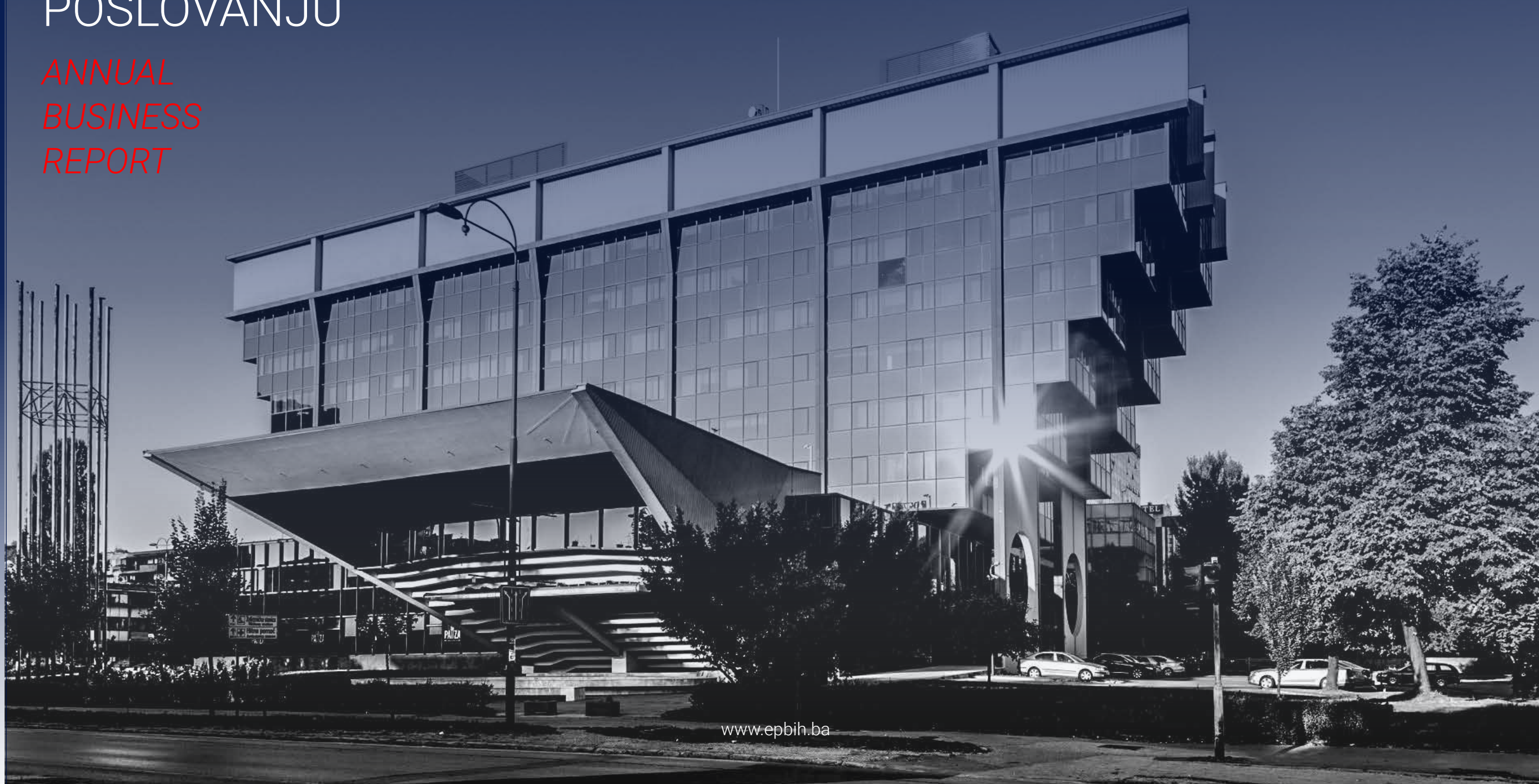


GODIŠNJI IZVJEŠTAJ O POSLOVANJU

ANNUAL
BUSINESS
REPORT

2018

Sarajevo
epbih_2019



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UVODNA RIJEČ OPENING STATEMENT

Sarajevo
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Ostvarena dobit 61,42 miliona KM

Sa ostvarenih milijardu i 60 miliona KM prihoda, ostvarenom dobiti prije oporezivanja u iznosu 61,42 miliona KM, 2018. godina je najuspješnija u poslovanju JP Elektroprivreda BiH u protekloj deceniji. U odnosu na prethodnu godinu, finansijski rezultat bolji je za oko 60 miliona KM, uz višestruko povećanje dobiti u odnosu na planirani iznos 15,91 miliona KM, smanjenje troškova i rashoda za više od 155 miliona KM.

Ostvarenju izuzetno uspješnih poslovnih rezultata doprinijela je veoma povoljna hidrološka situacija naročito u prva četiri mjeseca, što je imalo direktan odraz na povećanje obima i učešća hidroproizvodnje u procentu 12,6 posto u odnosu na plan. Učešće hidroelektrana sa 22 posto u ukupnoj proizvodnji ostvarenoj u količini 7.245,4 GWh, koja je za 3,4 posto veća u odnosu na 2017. godinu, rezultiralo je povoljnijim hidro-termo odnosom u poređenju sa nekoliko prethodnih godina.

Na konačni finansijski rezultat reflektirala se i povoljna tržišna situacija, rast prodajnih cijena, kako za krajnje kupce, uz izuzetak kategorija Domaćinstva, tako i na veleprodajnom tržištu u djelatnosti Trgovine. Značajan utjecaj na postizanje većih prihoda imao je i trend rasta cijena na regionalnom tržištu električne energije, što je poboljšalo perspektive za nastavak poslovanja ali istovremeno donijelo i veće izazove za kompaniju. Prosječne prodajne cijene povećane su u odnosu na 2017. godinu i kod djelatnosti Snabdijevanja i kod djelatnosti Trgovine.

Uz zadržavanje dominantne pozicije na otvorenom tržištu električne energije, JP Elektroprivreda BiH je u izvještajnoj godini krajnjim kupcima isporučila 4.702 GWh električne energije i povećala tržišni udio (povratak kupaca). Prihod u okvirima tržišnog snabdijevanja, povećan je za više od 9,0 posto.

Ukupna prodaja električne energije ostvarena je u količini 3.087,1 GWh uz ostvarenje ukupnog

prihoda u iznosu 290,40 mil. KM, što je za 9,6 posto više od planiranog prihoda.

Uprkos činjenici da su realizirana ulaganja bila značajno manja od planiranih, JP Elektroprivreda BiH je zadržala poziciju jednog od najvećih investitora u Bosni i Hercegovini. Pored ulaganja u djelatnosti Distribucije i Proizvodnje, nove investicije realizirane su u zavisna društva – rudnike u sastavu Koncerna EPBiH, putem dokapitalizacije u iznosu 13,6 miliona KM. Tokom 2018. godine, pokrenuti su postupci nabavke čije okončanje se očekuje u 2019. i narednih godina, što će u značajnoj mjeri povećati iznose dokapitalizacije u odnosu na realizirane u 2018. godini.

Iako realizacija kapitalnih investicija kasni u odnosu na planiranu dinamiku, tokom cijele godine odvijale su se aktivnosti u vezi sa izgradnjom VE „Podveležje“ kao i aktivnosti na stvaranju formalnih i finansijskih preduslova za realizaciju više drugih kapitalnih projekata, posebno Bloka 7 u TE „Tuzla“, te nastavak izgradnje HE „Vranduk“.

Tokom izvještajnog perioda svi kupci su redovno snabdijevani električnom energijom, što iznova potvrđuje decenijski status kompanije – pouzdan i siguran snabdjevač.

Realizirani su dugoročni ugovori u djelatnosti Trgovine i u najvećoj mogućoj mjeri i ugovori u vezi sa pomoćnim uslugama, na osnovu Odluke Skupštine Društva isplaćena je dividenda vlasnicima iz dobiti ostvarene u ranijem periodu u iznosu 69,7 miliona KM i ostvareni značajni razvojni koraci u oblasti elektromobilnosti, kao potencijalnog novog biznisa za JP Elektroprivreda BiH.

I u 2018. godini, koja se prema ostvarenim poslovnim rezultatima izdvaja kao najuspješnija u posljednjih 10 godina, JP Elektroprivreda BiH je dosljednom provedbom poslovne politike, pogonskom spremnošću proizvodnih kapaciteta, odgovornošću i profesionalnim odnosom zaposlenika, ispunjavanjem zadataka iz razvojno-investicijskog ciklusa, realizacijom obaveza koje proističu iz funkcije Vladajućeg društva Koncerna EPBiH, imala bitan utjecaj u razvoju elektroenergetskog sektora Bosne i Hercegovine, zadržavajući poziciju najznačajnijeg faktora u očuvanju njegovog integriteta i stabilnosti.

Bajazit Jašarević

OPENING STATEMENT

UVODNA RIJEČ

Earned income of KM 61.42 million

With the achieved revenues of one billion and 60 million KM, the earned income before taxation of 61.42 million KM, the year of 2018 is the most successful in the business of JP Elektroprivreda BiH over the past decade. Compared to the previous year, the financial result is better by about 60 million KM, with a multiple increase in income compared to the planned amount of 15.91 million KM, and reduction of costs and expenses by more than 155 million KM.

The achievement of extremely successful business results was contributed by a very favourable hydrological situation, especially in the first four months, which was directly reflected in the increase in volume and share of hydro power generation in the percentage of 12.6 percent in relation to the plan. The participation of the hydro power plants with 22 percent in the total production of 7.245,4 GWh, which is 3.4 percent higher compared to 2017, resulted in a more favourable hydro-thermal ratio compared to the previous few years.

The final financial result was a reflection of the favourable market situation, the growth in sales prices, both for the end-customers with the exception of the Household category, and in the wholesale market in the Trade activity. The trend of rising prices in the regional electricity market had a significant impact on achieving higher revenues, which improved the prospects for continued business but at the same time brought bigger challenges to the company. Average sales prices also increased in relation to 2017 in the Supply activity and Trade activity.

With the retaining of the dominant position in the open market of electricity, in the reporting year JP Elektroprivreda BiH delivered 4.702 GWh of electricity to end-customers and increased the market share (return of customers). Revenues within the framework of market supply increased by more than 9.0 percent.

Total electricity sales amounted to 3,087.1 GWh, with total revenues of 290.40 mil. KM, which is by 9.6 percent more than the planned revenue.

Despite the fact that the realized investments were significantly lower than planned, JP Elektroprivreda BiH maintained the position of one of the largest investors in Bosnia and Herzegovina. In addition to investments in Distribution and Production activities, new investments were made in subsidiaries - coal mines within the EPBiH Concern, through a recapitalization amounting to 13.6 million KM. During 2018, procurement procedures were initiated, which are expected to be completed in 2019 and subsequent years, which will significantly increase the recapitalization figures in comparison to the 2018 realization.

Although the realization of capital investments was delayed in relation to the planned dynamics, during the year the activities were conducted related to the construction of the WF "Podveležje" as well as the activities on the creation of formal and financial preconditions for the implementation of several other capital projects, especially Unit 7 in TPP "Tuzla", and the continuation of the construction of HPP "Vranduk".

During the reporting period, all customers were regularly supplied with electricity, which again confirms the company's decade's status of a reliable and secure supplier. Long-term contracts were concluded in the Trade activity and, to the greatest extent possible, the contracts for ancillary services; pursuant to the Decision of the Company Assembly, a dividend was paid to the owners from the profit realized in the previous period in the amount of

69.7 million KM and significant developmental steps were made in the field of electromobility, as a potential new business for JP Elektroprivreda BiH.

In 2018, which is the most successful year in the past 10 years according to the results achieved, JP Elektroprivreda BiH, through the consistent implementation of business policy, operational readiness of production capacities, accountability and professional attitude of employees, fulfilment of development and investment cycle tasks, fulfilment of obligations arising from the function of the Ruling Company of the EPBiH Concern, had a significant impact on the development of the electric power sector of Bosnia and Herzegovina, retaining the position of the most important factor in preserving its integrity and stability.

Bajazit Jašarević

MISIJA, VIZIJA

MISSION, VISION

Mission

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 okolin-skim 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 safely 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 is based on consistent application of regulations, standards and principles:

- *Quality assurance for products and services;*
- *Increasing customers 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.*

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.

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: Elektroprivreda BiH, EPBiH ili Društvo) je elektroprivredno društvo, koje vrši djelatnosti: proizvodnje električne energije, distribucije električne energije, snabdijevanja i trgovine električnom energijom.

Društvo posluje u okviru osam podružnica i to:

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

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

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”, Bihać,*
 - *„Elektrodistribucija Mostar“, Mostar,*
 - *„Elektrodistribucija Sarajevo“, Sarajevo,*
 - *„Elektrodistribucija Tuzla“, Tuzla,*
 - *„Elektrodistribucija Zenica“, Zenica,*
- with the Directorate organized in the seat of the Company.*

STATUTARNI ELEMENTI O DRUŠTVU – ORGANIZACIJA DRUŠTVA

STATUTORY ELEMENTS OF THE COMPANY-ORGANISATION OF THE COMPANY

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 i
- Odbor za reviziju.

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.

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, and
- Audit Board.

Pursuant to the Law on Companies, the Law on Public Companies, and the Statute, the Company is managed by the Company 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.

The Company has a Secretary, whose competencies are determined by laws and the Statute.

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



PRIMJENA PRAVILA KORPORATIVNOG UPRAVLJANJA CORPORATE GOVERNANCE RULES APPLICATION

Društvo je u 2018. godini pratilo i u bitnom dijelu primijenilo sve preporuke utvrđene Kodeksom korporativnog upravljanja JP Elektroprivreda BiH d.d. - Sarajevo, od 20. 4. 2012. godine. U Kodeksu korporativnog upravljanja JP Elektroprivreda BiH d.d. - Sarajevo uvažene su specifičnosti koje proizlaze iz činjenice da je Društvo javno preduzeće, na koje se primjenjuje i Zakon o javnim preduzećima u Federaciji BiH.

U 2018. godini su pravovremeno 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.

EPBiH je dioničko društvo. Na dan 11. 12. 2018. godine imalo je 2.518 dioničara, od kojih su prvih deset:

In 2018, the Company complied with and implemented all recommendations defined in the Corporate Governance Code of JP Elektroprivreda BiH d.d. - Sarajevo of 20 April 2012. The Corporate Governance Code of JP Elektroprivreda BiH d.d. - Sarajevo recognizes the 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.

In 2018, all obligations related to disclosure of information envisaged by the Corporate Governance Code of JP Elektroprivreda BiH d.d. - Sarajevo and the Rulebook on Disclosure of Information and Reporting in the Securities Market were fulfilled.

EPBiH is a joint stock company. As of 11 December 2018, there were 2,518 shareholders, of which the first ten were:

Tabela 1 // Table 1

Redni broj Number	Dioničar Shareholder	Broj dionica Number of shares	Udio (%) Share (%)
1.	Federacija Bosne i Hercegovine <i>Federation of Bosnia and Herzegovina</i>	28.472.181	90,3691
2.	ZIF „Big – Investiciona grupa“ d.d. Sarajevo	735.420	2,3342
3.	ZIF CROBIH FOND d.d. Mostar	267.747	0,8498
4.	ZIF HERBOS FOND d.d. Mostar	251.800	0,7992
5.	ZIF „Prevent INVEST“ d.d. Sarajevo	200.537	0,6365
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	124.094	0,3939
9.	ZIF „PROF-PLUS“ d.d. Sarajevo	107.577	0,3414
10.	PREVENT CEE d.o.o.	87.750	0,2785

Skupština Društva

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 2018. godini održane su četiri sjednice Skupštine Društva.

Assembly of the Company

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 to be in the best interest of the Company and shareholders, but at least once a year.

In 2018, four meetings of the Assembly of the Company were held.

STATUTARNI ELEMENTI O DRUŠTVU – ORGANIZACIJA DRUŠTVA

STATUTORY ELEMENTS OF THE COMPANY-ORGANISATION OF THE COMPANY

Nadzorni odbor

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. 8. 2015. godine.

U toku 2018. 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,
- dr. sc. Ramiz Kikanović – član,
- mr. sc. Hasen Mašović – član.

Skupština Društva je na 51. sjednici, održanoj 19. 7. 2018. godine, razriješila Mirzu Hulusića, člana Nadzornog odbora, imenovanog u ime državnog kapitala, zbog podnošenja ostavke i imenovala Ramiza Kikanovića, u ime državnog kapitala, na period najduže do tri mjeseca.

Na 53. sjednici Skupštine Društva, održanoj 27. 11. 2018. godine, razriješen je član Nadzornog odbora Ramiz Kikanović, zbog isteka perioda na koji je imenovan i

ponovo imenovan do okončanja konkursne procedure, a najduže na period do 3 mjeseca.

U toku 2018. godine održano je 20 sjednica Nadzornog odbora.

Supervisory Board

The Supervisory Board supervises the activities of the Company and operates on the basis of the Law on Companies, 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 2018, the Supervisory Board consisted of:

- DSc Izet Žigić - President,
- DSc Milenko Obad - Member,
- MSc Jakub Dinarević - Member,
- DSc Izudin Džafić - Member,
- Sead Rešidbegović - Member,
- DSc Ramiz Kikanović - Member,
- MSc Hasen Mašović - Member.

At its 51st meeting, held on 19 July 2018, the Assembly of the Company resolved Mirza Hulusić, Member of the Supervisory Board, appointed on behalf of the state capital, due to his resignation, and appointed Ramiz Kikanović, representing the state capital, for a period of up to three months.

At its 53rd session, held on 27 November 2018, the Assembly of the Company resolved the Member of the Supervisory Board Ramiz Kikanović, due to the expira-

tion of the period of appointment and re-appointment until the end of the public vacancy procedure, for the period of up to 3 months.

During 2018, the Supervisory Board held 20 sessions.

Odbor za reviziju

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

Odbor za reviziju, imenovan na četiri godine, počevši od 21. 4. 2016. godine, sastoji se od 3 člana:

1. mr. sc. Almira Zulić-Burek, dipl. ecc. – član,
2. mr. sc. Muzafer Brigić, dipl. ecc. – član,
3. Senad Herenda, dipl. ecc. – član.

Audit Board

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, appointed for a period of four years, starting from 21 April 2016, consists of 3 members:

1. MSc Almira Zulić - Burek, BEcon. - Member,
2. MSc Muzafer Brigić, BEcon. - Member,
3. Senad Herenda, BEcon. - Member.



STATUTARNI ELEMENTI O DRUŠTVU – ORGANIZACIJA DRUŠTV

STATUTORY ELEMENTS OF THE COMPANY-ORGANISATION OF THE COMPANY

Uprava Društva

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

U toku 2018. godine članovi Uprave Društva bili su:

- Bajazit Jašarević - generalni direktor,
- dr. sc. Nevad Ikanović - izvršni direktor za proizvodnju,
- Admir Anđelića - izvršni direktor za distribuciju,
- dr. sc. Džemo Borovina - izvršni direktor za snabdijevanje i trgovinu,
- Muhamed Ražanica - izvršni direktor za ekonomske poslove,
- Mensura Zuka - izvršni direktor za pravne i ljudske resurse,
- dr. sc. Senad Salkić - izvršni direktor za kapitalne investicije.

Admir Anđelića, izvršni direktor za distribuciju, imenovan je za vršioca dužnosti počevši od 5. 12. 2017. godine, na period do okončanja konkursne procedure, a najduže na period do 6 mjeseci, a potom je imenovan na period od 1. 6. 2018. godine do kraja mandata Uprave - generalnog direktora i izvršnih direktora imenovanih na period od četiri godine, počevši od 1. 3. 2016. godine.

Management of the Company

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

In 2018, the Management of the Company consisted of the following members:

- Bajazit Jašarević - General Manager,
- DSc Nevad Ikanović - Executive Manager for Generation,
- Admir Anđelića - Executive Manager for Distribution,
- DSc Džemo Borovina - Executive Manager for Supply and Trade,
- Muhamed Ražanica - Executive Manager for Economic Affairs,
- Mensura Zuka - Executive Manager for Legal Affairs and Human Resources,
- DSc Senad Salkić - Executive Manager for Capital Investments.

Admir Anđelića, Executive Manager for Distribution, was appointed the Acting Manager on 5 December 2017 for the period until the end of the public vacancy procedure, but no longer than 6 months, and then appointed for the period from 1 June 2018 until the end of the term of the Management - the General Manager and the Executive Managers appointed for a period of four years, starting on 1 March 2016.

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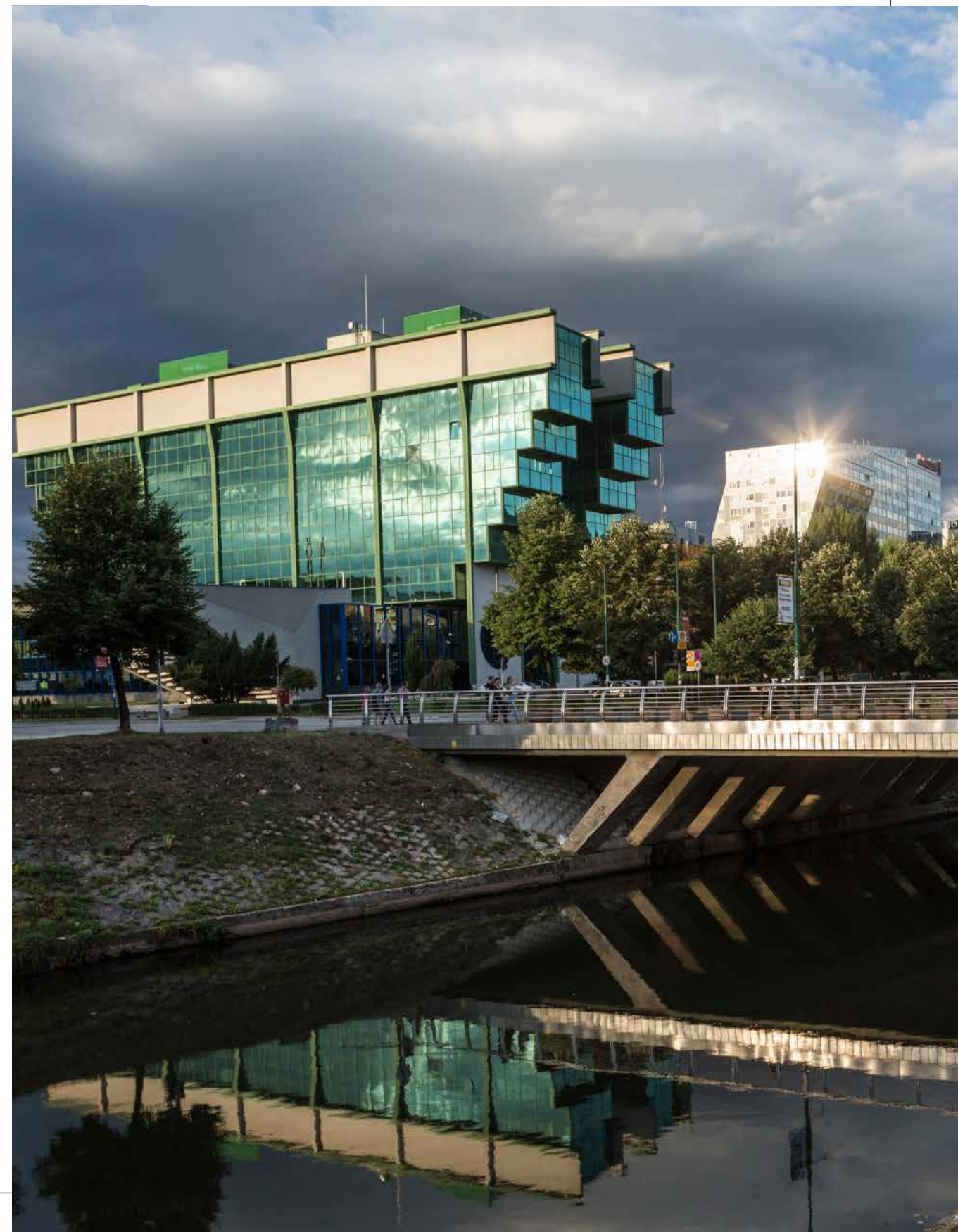


Tabela 2 // Table 2

Opis		31.12.2018.	Plan 2018.	31.12.2017.
Dionički kapital	mlrd.KM	2,237	2,237	2,237
Operativni prihod	mil.KM	1.039,1	1.008,1	1.107,9
Operativni rashod	mil.KM	824,8	839,5	988,7
EBITDA	mil.KM	214,3	168,6	119,2

		2018.	Plan	2017.
Ukupan prihod	mil.KM	1.060,7	1.024,9	1.155,1
Prihod od prodaje el.energ. i pom.usl	mil.KM	997,2	963,9	1.065,7
Ostali prihodi	mil.KM	63,5	61,0	89,4
Ukupni rashodi i troškovi	mil.KM	999,3	1.009,0	1.154,5
Amortizacija	mil.KM	150,3	157,1	150,9
Dobit prije oporezivanja	mil.KM	61,4	15,9	0,6

Opis		2018.	Plan	2017.
Proizvodnja	GWh	7.245,4	7.342,4	7.009,0
Neto distribucija	GWh	4.250,1	4.235,4	4.224,8
Tržišna prodaja	GWh	3.086,4	2.686,3	4.606,3
Broj kupaca (kraj godine)		764.742	765.000	756.594
Broj zaposlenih (sa 31.12.)		4.350	4.424	4.481

In 2018, EPBiH generated 7,245.4 GWh of electricity. The total recorded income amounted to 1,060.7 million BAM, while the recorded profit before taxation amounted to 61.4 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 764,000 customers in seven Cantons in the Federation of Bosnia and Herzegovina.

KLJUČNI POKAZATELJI O DRUŠTVU

COMPANY KEY INDICATORS

Description		31 Dec. 2018	2018 Plan	31 Dec. 2017
Share capital	in billion BAM	2.237	2.237	2.237
Operating income	Mil. BAM	1,039.1	1,008.1	1,107.9
Operating expense	Mil. BAM	824.8	839.5	988.7
EBITDA	in million BAM	214.3	168.6	119.2

		2018	Plan	2017
Total income	Mil. BAM	1,060.7	1,024.9	1,155.1
Income from the sales of electricity and auxiliary services	Mil. BAM	997.2	963.9	1,065.7
Other income	Mil. BAM	63.5	61.0	89.4
Total income and expenditures	Mil. BAM	999.3	1,009.0	1,154.5
Amortisation	Mil. BAM	150.3	157.1	150.9
Profit before tax	in million BAM	61.4	15.9	0.6

Description		2018	Plan	2017
Generation	GWh	7,245.4	7,342.4	7,009.0
Net distribution EPBiH	GWh	4,250.1	4,235.4	4,224.8
Market sales	GWh	3,086.4	2,686.3	4,606.3
Number of customers (year-end)		764,742	765,000	756,594
Number of employees (as of 31 Dec.) *		4,350	4,424	4,481

REALIZACIJA POSLOVNE POLITIKE I CILJEVA DRUŠTVA

REALISATION OF COMPANY BUSINESS POLICY AND OBJECTIVES



Najznačajnije aktivnosti EPBiH koje su obilježile 2018. godinu

The most important activities of EPBiH in 2018

Oblast djelatnosti Proizvodnje

- ukupna ostvarena proizvodnja električne energije iznosila je 7.245,4 GWh, što je za 97,0 GWh ili 1,3% manje od planirane proizvodnje prema EEB za 2018. godinu; u odnosu na 2017. godinu, ukupna ostvarena proizvodnja električne energije veća je za 236,4 GWh, odnosno za 3,4%;
- ukupna ostvarena proizvodnja električne energije u hidroelektranama (uključujući i male HE) iznosila je 1.597,1 GWh i veća je za 178,3 GWh ili 12,6% u odnosu na planiranu proizvodnju prema EEB za 2018. godinu;
- ukupna ostvarena proizvodnja električne energije u termoelektranama iznosila je 5.648,3 GWh i manja je za 275,3 GWh ili 4,7% u odnosu na planiranu prema EEB za 2018. godinu;
- ukupna nabavka uglja iznosila je 5.811.554 tona, a što je za 1.048.166 tona ili 15,3% manje u odnosu na ugovorenih 6.859.720 tona uglja;
- za potrebe proizvodnje električne energije, toplotne energije i tehnološke pare u termoelektranama ukupno je utrošeno 5.711.145 tona uglja.

Generation activities

- Total electricity generation amounted to 7,245.4 GWh, which is by 97.0 GWh or 1.3% less than the generation planned in the 2018 Electric Energy Balance (EEB); compared to 2017, the total electricity generation is higher by 236.4 GWh, i.e. by 3.4%;
- Total electricity generation in hydro power plants (including small HPPs) amounted to 1,597.1 GWh and is higher by 178.3 GWh or 12.6% than the generation planned in the 2018 EEB;
- Total electricity generation in thermal power plants was 5,648.3 GWh and is lower by 275.3 GWh or 4.7% than the generation planned in the 2018 EEB;
- Total purchase of coal amounted to 5,811,554 tons, which is by 1,048,166 tons or 15.3% less than the contracted 6,859,720 tons of coal;
- The total of 5,711,145 tons of coal were used for electricity generation, thermal energy and process steam in thermal power plants.

REALIZACIJA POSLOVNE POLITIKE I CILJEVA DRUŠTVA REALISATION OF COMPANY BUSINESS POLICY AND OBJECTIVES

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Oblast djelatnosti Distribucije

- neto distributivna potrošnja ostvarena je u količini 4.330,8 GWh (uključujući neto potrošnju kupaca drugih snabdjevača) i bila je za 59,3 GWh ili za 1,4% manja u odnosu na planiranu potrošnju za 2018. godinu, a za 106 GWh ili za 2,5% veća od ostvarenja iz 2017. godine;
- distributivni gubici, u odnosu na bruto distributivnu potrošnju, ostvareni su u količini 375,2 GWh (7,97%) i manji su od planiranih gubitaka u 2018. godini (planirano 8,90%); također, procenat distributivnih gubitaka smanjen je u odnosu na ostvareni procenat za 2017. godinu (kada je iznosio 8,51%);
- indeks broja prekida po kupcu (SAIFI) je za cca 3% bolji no što je to bio prošle godine, dok je indeks trajanja prekida po kupcu (SAIDI) na nivou prošlogodišnjeg ostvarenja;
- realizirane su planirane aktivnosti na implementaciji Projekta SCADA/DMS/OMS i pripadajućih telekomunikacija na distributivnom nivou;
- realizirane su aktivnosti na proširenju sistema daljinskog nadzora i upravljanja.

Distribution activities

- Net distributive consumption amounted to 4,330.8 GWh (including net consumption of customers' of other suppliers) and was by 59.3 GWh or 1.4%

less than the consumption planned for 2018, and by 106 GWh or 2.5% higher than the 2017 consumption;

- Distributive losses, in comparison with the gross distribution consumption, amounted to 375.2 GWh (7.97%) and were lower than the losses planned for 2018 (planned 8.90%); also, the percentage of distribution losses decreased in comparison with the percentage realized in 2017 (when it was 8.51%);
- The System Average Interruption Frequency Index (SAIFI) is by about 3% better than in the previous year, while the System Average Interruption Duration Index (SAIDI) is at the level of last year's realisation;
- The planned activities were implemented on the implementation of the SCADA/DMS/OMS Project and related telecommunications at the distribution level;
- The activities were implemented on expanding the remote monitoring and management system.

Oblast djelatnosti Snabdijevanja

- ukupna isporuka električne energije krajnjim kupcima ostvarena je u količini 4.702 GWh, što je za 0,4% više u odnosu na isti period u 2017. godini, a za 0,1 % više od planirane ukupne potrošnje;
- ostvarene maloprodajne cijene u segmentu snabdijevanja (za sve kategorije krajnje potrošnje) su za 2,6% veće u odnosu na 2017. godinu, s tim da je prihod u okvirima tržišnog snabdijevanja povećan za više od 9,0%, pri čemu je EPBiH povećala tržišni udio (povratak kupaca) i zadržala dominantnu poziciju na otvorenom tržištu električne energije;

- realizirana je Odluka o primjeni Odluke o provedbi mjera za smanjenje troškova električne energije domaćinstvima i stimulaciji energetske efikasnosti;
- redovno je vršeno printanje, kovertiranje i dostavljanje računa i drugih pratećih dokumenata (opomene, obavještenja o isključenju, kamatni listovi, IOS obrasci) kupcima električne energije putem BH Pošte;
- ostvaren je stepen naplate od 100,6% bez salda potraživanja iz ranijih godina, a 95,5% sa saldom potraživanja iz ranijih godina, posmatrajući odnos fakturiranog i ukupno naplaćenog prihoda u tekućoj godini;
- realizirane su aktivnosti na provođenju Odluke Vlade Federacije BiH o utvrđivanju povoljnijih uslova za zaključivanje ugovora o izmirenju dospelog duga prema javnim preduzećima;
- kontinuirano su realizirane aktivnosti unapređenja usluge e-račun i marketinške aktivnosti na promociji e-računa, bilježi se povećanje broja korisnika ove usluge za 25% u odnosu na kraj 2017. godine;
- unapređivana je cjenovna i prodajna politika kroz izmjene i dopune Tarifne metodologije i pratećih akata.

Supply activities

- Total supply of electricity to end-customers amounted to 4,702 GWh, which is by 0.4% more than in comparison with the same period in 2017 and by 0.1% more than the planned total consumption;
- The retail prices achieved in the supply segment (for all categories of end-use) are by 2.6% higher than in 2017, with revenues within the market supply in-

creased by more than 9.0%, while EPBiH increased the market share (customer return) and maintained the dominant position in the open electricity market;

- The Decision on implementation of the Decision on implementation of measures for decreasing electricity costs for households and stimulation of energy efficiency was implemented;
- Regular printing, enveloping and delivery of bills and other supporting documents (warnings, exclusion notices, interest rate sheets, IOS forms) to electricity customers through BH Post Office;
- The collection rate was 100.6%, excluding the balance of receivables from previous years, and 95.5% including the balance of receivables from previous years, observing the ratio of invoiced and total collected income in the current year;
- Activities related to the implementation of the Decision of the Government of the Federation of BiH on determining more favourable conditions for the conclusion of contracts on settlement of outstanding debts towards public companies were implemented;
- The activities of improving the e-bill service and marketing activities related to the promotion of e-bills were continuously implemented; an increase was recorded in the number of users of this service by 25% compared to the end of 2017;
- The pricing and sales policy was improved through amendments to the Tariff Methodology and accompanying acts.

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Oblast djelatnosti Trgovine

- ukupna prodaja električne energije ostvarena je u količini 3.087,1 GWh, što je za 3,4% više od planiranog obima prodaje, odnosno za 33,0% manje od ostvarene prodaje u 2017. godini (zbog manjeg obima vezane trgovine);
- ukupan prihod od prodaje električne energije ostvaren je u iznosu 290,40 mil. KM, što je za 9,6% više od planiranog prihoda, a za 20,7% manje od ukupno ostvarenog prihoda od prodaje električne energije u 2017. godini (zbog manjeg obima vezane trgovine nego u 2017. godini);
- prihod na kapacitetima od pomoćnih usluga ostvaren je u iznosu 8,81 mil. KM, što je za 10,8% više od planiranog prihoda po ovom osnovu, a za 18,0% manje od ukupno ostvarenog prihoda od pomoćnih usluga u 2017. godini;
- kupovina električne energije ostvarena je u količini 810,3 GWh, što je za 30,6% više od planiranog obima kupovine, odnosno za 68,6% manje od ostvarene kupovine u 2017. godini (zbog manjeg obima vezane trgovine);
- troškovi za kupovinu električne energije ostvareni su u iznosu 79,59 mil. KM, što je za 30,2% više od planiranih troškova, a za 65,9% manje od ukupno ostvarenih troškova za kupovinu električne

energije u 2017. godini (zbog manjeg obima vezane trgovine);

- troškovi na ime kapaciteta od pomoćnih usluga ostvareni su u iznosu 0,32 mil. KM, što je za 33,8% manje od planiranih troškova po ovom osnovu, a za 20,2% manje od ukupno ostvarenih troškova od pomoćnih usluga u 2017. godini;
- realizirana je vezana trgovina električne energije u ukupnoj količini 362,9 GWh, sa ukupnim iznosom prihoda 38,42 mil. KM i ukupnim iznosom troškova 31,83 mil. KM, čime je ostvarena zarada u iznosu 6,59 mil. KM.

Trade activities

- *Total electricity sales amounted to 3.087,1 GWh, which is by 3.4% more than planned sales volume, i.e. by 33.0% less than the sales achieved in 2017 (due to the smaller volume of countertrade);*
- *Total income from electricity sales amounted to 290.40 million BAM, which is by 9.6% more than the planned, and by 20.7% less than the total income from electricity sales in 2017 (due to a smaller volume of countertrade than in 2017);*
- *Income on capacities from auxiliary services amounted to 8.81 million BAM, which is by 10.8% more than the planned income on this basis, and by 18.0% less than the total realized income from auxiliary services in 2017;*
- *Total purchased electricity amounted to 810.3 GWh, which is by 30.6% more than planned purchase volume, i.e. by 68.6% less than the purchase achieved in 2017 (due to the smaller volume of countertrade);*
- *The costs for electricity purchase amounted to 79.59 million BAM, which is by 30.2% more than the planned costs, and by 65.9% less than the total realized electricity purchase costs in 2017 (due to*

the smaller volume of countertrade);

- *The costs of the capacities from auxiliary services amounted to 0.32 million BAM, which is by 33.8% less than the planned costs on this basis, and by 20.2% less than the total realized costs from auxiliary services in 2017;*
- *Countertrade of electricity totalled to 362.9 GWh, with total income of 38.42 million BAM and the total cost amounted to 31.83 million BAM, resulting in earnings of 6.59 million BAM.*

Oblast ekonomskih poslova

- održana je likvidnost Društva, uz redovno ispunjavanje obaveza prema rudnicima, dobavljačima, budžetskim organizacijama, zaposlenim i kreditorima;
- obezbijeđena je adekvatna disperzija rizika u smislu rasporeda depozita i gotovinskih sredstava kod poslovnih banaka; tokom 2018. godine oročeno je 31,5 mil. eura, dijelom zbog isteka ranijih oročenja, a dijelom zbog povećanja iznosa gotovine raspoložive za oročenje;
- realizirane su aktivnosti na obezbjeđenju eksternih izvora za buduće kapitalne investicije;
- u sklopu aktivnosti upravljanja novcem Društva rađene su projekcije gotovinskog toka i dnevni izvještaji o stanju novčanih sredstava;
- pripremljen je novi Pravilnik o finansijskom poslovanju;
- vršena je aktivna računovodstvena podrška Upravi te drugim internim i eksternim korisnicima uz ažurno

evidentiranje poslovnih promjena;

- pripremljen je i usvojen Plan poslovanja Društva za period 2019. - 2021. godine, nakon čega je pripremljen i usvojen Revidirani plan poslovanja Društva za period 2019. - 2021. godine.

Economic affairs

- *Liquidity of the Company was maintained, including regular fulfilment of obligations toward miners, suppliers, budget organizations, employees and creditors;*
- *Adequate dispersion of risk was ensured in view of the distribution of deposits and cash resources with commercial banks; term deposits in 2018 amounted to 31.5 million Euros, partly due to expiration of earlier term deposits, and partly due to the increase in the amount of cash available for term depositing;*
- *Activities related to ensuring external sources for future capital investments were implemented;*
- *Within the Company's cash management activities, cash flow projections and daily cash flow statements were made;*
- *New Rulebook on Financial Operations was prepared;*
- *Active accounting support was extended to the Management and other internal and external users, including timely recording of business changes;*
- *The Business Plan of the Company for the period 2019-2021 was prepared and adopted, after which the Revised Business Plan of the Company for the period 2019-2021 was prepared and adopted.*

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Oblast pravnih poslova

- pružanje pravne podrške osnovnim djelatnostima Društva, kao i poslovima podrške;
- zastupanje EPBiH u postupcima pred sudovima u BiH;
- poslovi izmjene registracije Društva;
- realizacija 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;
- učešće u sačinjavanju međunarodnih ugovora i ugovora velike vrijednosti u Društvu;
- pravne aktivnosti u vezi sa raskidanjem ugovora za izgradnju HE „Vranduk“ i prijedlog sporazuma o mirnom rješavanju spora;
- provođenje postupaka eksproprijacije zemljišta za Blok 7 TE „Tuzla“, MHE na Neretvici;
- pravni poslovi u vezi s Projektom VE „Podveležje“ i drugim projektima koji se realiziraju putem kapitalnih investicija, kao i pružanje druge vrste pravne podrške kapitalnim investicijama;
- pravni poslovi u vezi sa poduzimanjem aktivnosti na zaštiti prava i interesa EPBiH za nekretnine u inostranstvu;
- harmonizacija akata zavisnih društava sa aktima Vladajućeg društva, kao i priprema i izrada uputstava, odluka, smjernica i dr.

Legal affairs

- *Providing legal support in the core activities of the Company, as well as in the support activities;*
- *Representation of EPBiH in proceedings before courts in BiH;*
- *Activities related to changes in the Company's registration;*
- *Implementation of activities related to preparation and analysis of normative documents, participation in solving requests of dependent companies - coal mines, as well as in preparation of documents of dependent companies - coal mines;*
- *Participation in preparation of international treaties and contracts of great value in the Company;*
- *Legal activities related to the termination of the construction contract for HPP "Vranduk" and the proposal for a peaceful resolution of the dispute;*
- *Implementation of land expropriation procedures for Unit 7 of TPP "Tuzla", SHPPs on the Neretvica River;*
- *Legal affairs related to the Project of WPP "Podveležje" and other projects implemented through capital investments, as well as providing another kind of legal support to capital investments;*
- *Legal affairs related to the activities to protect the rights and interests of EPBiH for real estates abroad;*
- *Harmonization of documents of dependent companies with the documents of the Parent Company, as well as preparation and production of instructions, decisions, guidelines, etc.*

Oblast kapitalnih investicija

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 i 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 units in thermal power plants, and construction of hydro power plants and small power plants from renewable and alternative sources of energy, and consisted of:

- Preparation of investment-technical documentation;
- Obtaining necessary permits and approvals;
- Conducting concession award procedures and land expropriation;
- Closure of the financial structure;
- Preparation of tender documents for the selection of equipment suppliers and services and works contractors.

Oblast razvoja

Poslovni razvoj

- sačinjen je prijedlog detaljnog „Dinamičkog plana aktivnosti EPBiH za formiranje ODS“ (sa 2 faze: Faza 1 - Organizaciono razdvajanje djelatnosti Distribucije unutar EPBiH; Faza 2 - Pravno razdvajanje djelatnosti Distribucije i formiranje ODS-a EPBiH kao pravnog lica);
- urađena je radna verzija Elaborata „Koncept prestrukturiranja ZD Rudnici ‘Kreka’“;
- urađen je i revidiran Elaborat „Analiza poslovnog procesa obračunskih mjerenja u distributivnoj djelatnosti EPBiH sa prijedlogom značajnih poboljšanja / reinženjeringa“;
- sačinjen je i revidiran Elaborat „Analiza poslovnih procesa i aktivnosti u remontnim radionicama za transformatore u distributivnim podružnicama EPBiH sa prijedlogom mjera za poboljšanje istih“;
- urađen je i revidiran Elaborat „Analiza poslovnog procesa održavanja vozila i mehanizacije, angažmana i potreba za istim u distributivnoj djelatnosti EPBiH“;
- sačinjen je i revidiran Elaborat „Analiza rada službi za odnose sa javnošću i informiranje kupaca el. energije sa prijedlogom nove organizacije rada u uslovima poslovanja EPBiH na otvorenom tržištu el. energije“;
- urađen je Elaborat „Analiza opravdanosti

rada naplatnih mjesta EPBiH“;

- sačinjen je Elaborat „Uporedna analiza EPBiH i elektroprivrednih kompanija u regiji u uslovima poslovanja na otvorenom tržištu električne energije“;
- urađen je Elaborat „Model uspostavljanja ESCO biznisa u EPBiH“ sa „Akcionim planom za implementaciju obaveza EPBiH nastalih usvajanjem Zakona o energijskoj efikasnosti u FBiH“;
- urađeno je 5 izdanja „Aktuelnosti energetskog sektora“.

Strateški razvoj

- izrada više studija u vezi s 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 2020 - 2029.“ - NOS BiH;
- realizacija pilot-projekta „Instalacija pet javnih punionica za električna vozila na lokalitetima elektrodistributivnih podružnica EPBiH“ sa promocijom projekta;
- izrada Studije „Perspektive razvoja novog biznisa EPBiH u sektoru punjenja električnih vozila“;
- realizacija projekta „District Heating-Upgrade“ s konzorcijem instituta i kompanija EU za case study „Grijanje Tuzle iz TE ‘Tuzla’“ u okviru programa Horizon 2020;

- realizacija Projekta „Biofit“ sa konzorcijem instituta i kompanija EU za korištenje biomase u kosagorijevanju sa ugljevima u termoelektranama EPBiH u okviru programa Horizon 2020;
- realizacija projekta za uspostavu master studija za „Smart grid“ za potrebe elektroprivrednih kompanija i realnog sektora sa konzorcijem evropskih fakulteta i kompanija u okviru programa „Erasmus“;
- mjerenje vjetropotencijala i sunčeve insolacije na više lokacija u FBiH;
- realizacija projekta VP „Podveležje“ - evaluacija ponuda i izbor izvođača.

Development

Development

- Proposal for a detailed "Dynamic Action Plan for the EPBiH for the Formation of DSO" (with 2 Phases: Phase 1 - Organizational division of Distribution within EPBiH; Phase 2 - Legal division of Distribution and establishment of DSO EPBiH as a legal entity);
- Working version of Elaborate "Concept of restructuring of ZD Rudnici 'Kreka'" was prepared;
- Elaborate "Analysis of business process of billing metering in the EPBiH distribution activity with a proposal for significant improvements / re-engineering" was developed and revised;
- Elaborate "Analysis of business processes and activities in overhaul workshops for transformers in EPBiH distribution subsidies with a proposal of measures to improve them" was prepared and revised;
- Elaborate "Analysis of the business process of vehicle and machinery maintenance, engagement and needs for the same in EPBiH distribution activity" was prepared and revised;

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- Elaborate "Analysis of work of departments for public relations and electricity customer information with the proposal of a new organization of work in conditions of EPBiH business in the open electricity market" was prepared and revised;
- Elaborate "Analysis of justification of work of collection points of EPBiH" was prepared;
- Elaborate "Comparative analysis of EPBiH and electric utility companies in the region in the conditions of business operations in the open electricity market" was prepared;
- Elaborate "Model of establishment of ESCO business in EPBiH" with "Action Plan for the implementation of obligations of EPBiH arising from the adoption of the Law on Energy Efficiency in FBiH" was prepared;
- 5 editions of "Energy Sector News" were produced.

Strategic development

- Preparation of multiple studies related to generation from renewable sources, co-generation and Distribution activities;
- Preparation of the Preliminary Design for District Heating of the area to Sarajevo/and including Sarajevo from TPP "Kakanj";
- Basis for the "Indicative Generation Development Plan for 2020-2029" - NOS BiH;
- Implementation of a pilot project "Installation of five public electric vehicle charging stations on the sites of the electro-distribution subsidiaries of EPBiH", including promotion of the Project;
- Preparation of the Study "Perspectives of development of new business of EPBiH in the sector of electric vehicle charging";
- implementation of the "District Heating-Upgrade" project with a consortium of the EU institute and

- companies for case study "Heating Tuzla from TPP "Tuzla" under the Horizon 2020 program;
- Implementation of Project "Biofit" with a consortium of the EU Institute and companies for the use of biomass in co-combustion with coal in EPBiH thermoelectric power plants under the Horizon 2020 program;
- Implementation of the project for the establishment of the master's degree program for "Smart grid" for the needs of the electric power companies and the real sector with the consortium of European universities and companies under the "Erasmus" program;
- Measurement of wind potential and solar insolation at several locations in FBiH;
- Implementation of the project of WPP "Podveležje" - evaluation of bids and selection of contractor.

Realizacija okolišne politike i planova zaštite okoliša

Implementation of environmental policy and environmental protection plans

TE „TUZLA“:

- realiziran Projekt „Izgradnja zatvorenog sistema povratnih voda u TE 'Tuzla'", kojim je smanjena količina otpadnih voda, zadovoljeni zakonski propisi kada je u pitanju kvalitet otpadnih voda koje se ispuštaju u prirodni recipijent, smanjena je potrošnja sirove vode;
- pripremne aktivnosti na projektu odsumporavanja;
- pripremne aktivnosti na rekultivaciji šljacišta „Divkovići" i „Plane“;
- realizacija Projekta „Izgradnja odlagališta šljake i pepela 'Jezero'" (nadvišenje brane);

- uspješno proveden recertifikacijski audit Integriranog sistema prema zahtjevima standarda ISO 9001:2015 i ISO 14001:2015. i produžena važnost certifikata na 3 godine;
- objavljen tender za izbor konsultanta za izradu dokumentacije i nadzora nad realizacijom radova na izgradnji postrojenja za odsumporavanje dimnih gasova na bloku 6 TE „Tuzla“.

TPP „TUZLA“:

- Implemented Project "Building a closed system for circulating water in TPP "Tuzla", which reduces the amount of wastewater; fulfilled the legal regulations when it comes to the quality of wastewater released into the natural recipient; reduced consumption of raw water;
- Preparatory activities on the project of desulphurisation;
- Preparatory activities on reclamation of the "Divkovići" and "Plane" slag depot;
- Implementation of the Project "Construction of the slag and ash depot 'Jezero'" (dam freeboard);
- Successfully implemented re-certification audit of the Integrated System according to the requirements of ISO 9001:2015 and ISO 14001:2015 standards and extended validity of the certificate for 3 years;
- Published Tender for the selection of consultant for preparation of documents and supervision over the realization of works on the construction of flue gas desulphurisation plant in Unit 6 of TPP "Tuzla".

TE „KAKANJ“:

- zbrinjavanje opasnog otpada od strane ovlaštenog operatora;
- mjerenje emisije buke;

- monitoring radioaktivnosti;
- pošumljavanje deponije Šip;
- nabavka i ugradnja dva analizatora dimnih plinova za stanice za praćenje emisije zagađujućih materija za zbirni dimovodni kanal blokova 5 i 6 i dimnjak 300 m;
- nastavak uređenja deponije šljake i pepela;
- umjeravanje automatskog mjernog sistema emisija u zrak;
- umjeravanje analizatora kvaliteta zraka;
- održavanje sadnica šumskog i vjetrozaštitnog pojasa;
- certificiranje po zahtjevima BAS EN ISO 14001:2017 Sistemi okolinskog menadžmenta;
- izvršen odvoz mulja sa postrojenja TOV-a, sa zgušnjivača mulja na deponiji šljake i pepela Turbići 15%-tnog mulja, mulj sa dekarbonizacije i stare HPV;
- pripremljeni i dostavljeni izvještaji o izvršenim mjerenjima kvaliteta tehnoloških otpadnih voda, tereta zagađenja voda preko EBS-a i emisija u zrak;
- proveden kontinuirani monitoring emisije SO₂, CO, NO_x, CO₂, prašine (PM 2,5 i PM10), zatim monitoring protoka suhog plina;
- provedeno mjerenje kvaliteta ispuštenih voda iz postrojenja za tretman otpadnih voda, periodično (prema zakonskim zahtjevima) i kontinuirano (pH, t, protok), te na mjestu upuštanja

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prelivne vode sa deponije u recipijent i procijedne vode;

- izvršeno čišćenje, odvoz, odlaganje i zbrinjavanje mulja s postrojenja HPV-a;
- pokrenuta aktivnost na pribavljanju okolišne dozvole za projekt odsumporavanja i denitrifikacije dimnih plinova

TPP „KAKANJ“:

- Disposal of hazardous waste by an authorized operator;
- Noise emission measurement;
- Monitoring of radioactivity;
- Afforestation of landfill Šip;
- Procurement and installation of two flue gas analysers for pollutant emission monitoring stations for collective flue liner of Units 5 and 6 and chimney of 300 m;
- Continuation of arrangement of slag and ash depot;
- Calibration of the automated air emission measurement system;
- Calibration of air quality analyser;
- Maintenance of the forest and windscreen belt seedlings;
- Certification according to requirements of BAS EN ISO 14001:2017 Environmental Management Systems;
- Removed sludge from the TOV plant, 15% sludge from the sludge thickener on the slag and ash depot Turbići, sludge from de-carbonization and old HPV plant;
- Prepared and submitted reports on quality measurements of process waste water, water pollution load through EBS and air emissions;

- Conducted continuous SO₂, CO, NO_x, CO₂, dust (PM 2.5 and PM10) emission monitoring, followed by dry gas flow monitoring;
- Carried out quality measurement of waste water from the wastewater treatment plant, periodically (according to legal requirements) and continuously (pH, t, flow) and at the point of entry of overflow water from the landfill into the recipient and leachate;
- Carried out purification, removal, disposal and final disposal of sludge from the HPV facility;
- Initiated activity on obtaining environmental permit for the project of desulphurization and denitrification of flue gases

HE NA NERETVI:

- ispitivanje hemijskih, fizikalnih i bioloških svojstava otpadnih voda.

HPPS ON THE NERETVA RIVER:

- Testing of chemical, physical and biological properties of wastewater.

ED PODRUŽNICE

ED SUBSIDIARIES

ED Mostar

- završen Idejni i Glavni projekt skladišta za privremeno odlaganje otpada u Opinama.

ED Mostar

- Preliminary and Main Design for Temporary Waste Disposal in Opine was completed.

ED Bihać

- realiziran postupak prodaje sekundarnih sirovina i otpadnih materijala;
- proveden postupak ugovaranja

prodaje otpadnih hidrauličnih ulja, nastalih u djelatnosti Proizvodnja EE;

- završeno redovno godišnje poribljavanje rijeka Une i Krušnice;
- kontinuirana realizacija aktivnosti naloženih važećim okolišnim i vodnim dozvolama, izdatim za proizvodne objekte u okviru ED.

ED Bihać

- The procedure of selling secondary raw materials and waste materials was realized;
- The procedure of contracting for the sale of waste hydraulic oils generated by EE Generation was carried out;
- Completed regular annual fish stocking of Una and Krušnica River;
- Continuous implementation of the activities stipulated by applicable environmental and water permits, issued for generation facilities within ED.

ED Zenica

- urađen je Elaborat zbrinjavanja otpada s procjenom utjecaja na okoliš na izgradnji skladišta za privremeno odlaganje otpada u poslovnom krugu ED Zenica u naselju Radakovo, Zenica;
- dobijeno rješenje o urbanističkoj saglasnosti za izgradnju novog skladišnog objekta za privremeno odlaganje otpada na mjestu postojećeg otvorenog skladišta u krugu ED Zenica.

ED Zenica

- Waste Management Elaborate with an Environmental Impact Assessment was prepared on the construction of a temporary waste disposal depot within the ED Zenica business circle in Radakovo, Zenica;

- Obtained resolution on urban planning approval for the construction of a new storage facility for temporary storage of waste at the site of the existing open storage facility within the ED Zenica.

ED Tuzla

- revidiran Glavni projekt za izgradnju Centralnog skladišta za otpad i
- izvršeno poribljavanje sliva rijeke Snježnice.

ED Tuzla

- Revised Main Design for the construction of the Central waste storage facility
- Fish stocking of the Snježnica River basin was carried out.

ED Sarajevo

- za izgrađeno skladište za privremeno skladištenje otpada Azići dobijena upotrebna dozvola, vodna dozvola i dozvola za upravljanje otpadom, nakon čega je skladište stavljeno u funkciju;
- za skladište za privremeno skladištenje otpada u PJD Goražde urađen Idejni projekt i dobijena urbanistička saglasnost; trenutno je u postupku izrada Glavnog projekta i njegova revizija;
- kontinuirano se ugovara usluga zbrinjavanja opasnog otpada, prodaja otpada i nabavka sredstava za zaštitu okoliša (apsorbensi);
- izvršeno je poribljavanje rijeka Željeznice i Osanice.

ED SARAJEVO

- *Obtained the use permit, water permit and waste management permit for the built temporary waste storage facility Azići, after which the storage facility was put into operation;*
- *Prepared Preliminary and obtained urbanistic approval was the temporary waste storage facility in PJD Goražde; the Main Design and its revision are currently under preparation;*
- *Continuously contracted services of hazardous waste disposal, sales of waste and procurement of environmental protection resources (absorbents);*
- *Fish stocking of Željeznica and Osanica River was carried out.*



Oblast općih poslova

- realizacija ugovorenih poslova u vezi s pružanjem usluga fizičko-tehničke zaštite i transporta novca u EPBiH;
- izvršeno ispitivanje aparata za početno gašenje požara, ispravnost i funkcioniranje ugrađenog sistema aktivne zaštite od požara, ispravnost i funkcionalnost hidrantske mreže, kao i ispitivanje i funkcioniranje sistema vatrodajave;
- iz oblasti zaštite od požara vršena kontinuirana saradnja sa osobama koje obavljaju ove poslove u podružnicama Društva, kao i određena stručna pomoć;
- kontinuirano vršene aktivnosti na provođenju usvojenog Sistema upravljanja zdravljem i sigurnošću na radu OHSAS 18001:2007;
- vršeni periodični ljekarski pregledi zaposlenika na radnim mjestima sa posebnim uslovima rada;
- provedeno djelomično ispitivanje fizičkih, hemijskih i bioloških štetnosti i mikroklima u radnoj sredini i pregled strujnih krugova i gromobranskih instalacija u skladu sa zakonskom regulativom;
- u okviru druge nadzorne provjere integriranog sistema upravljanja od strane ovlaštene certifikacijske kuće potvrđen prelazak sa standarda ISO 9001:2008 na ISO 9001:2015, potvrđen sistema upravljanja prema OHSAS 18001:2007 u Direkciji Društva;
- usklađen sistem upravljanja prema zahtjevima ISO 45001:2018 (izmjena dokumentacije sistema upravljanja, provođenje internog audita);
- kontinuirani nadzor, održavanje i poboljšanje sistema upravljanja prema ISO 9001 i ISO 45001:2018 (OHSAS 18001) u Direkciji Društva;
- usklađivanje sistema upravljanja u podružnicama Društva prema zahtjevima standarda za koje su opredijeljeni ISO 9001:2015/ ISO 14001:2015;
- pripreme i provođenje recertifikacije sistema upravljanja u podružnicama Društva prema zahtjevima standarda za koje su opredijeljeni (ISO 9001:2015 / ISO 14001:2015);
- kontinuirane aktivnosti nabavke i ažuriranja referentnih standarda (tehničkih, okolišnih, kvaliteta...) od Instituta za standardizaciju BiH za potrebe EPBiH;
- završene aktivnosti na etažiranju PTZ EPBiH u svrhu reguliranja suvlasničkih odnosa sa Elektroprijenosom BiH;
- učešće u aktivnostima izrade projekata sanacije i adaptacije objekata, kao i eksproprijacije objekata i zemljišta, te u aktivnostima na dodjeli stanova EPBiH u skladu sa Pravilnikom o vraćanju, dodjeli i prodaji stanova;
- kontinuirane aktivnosti sa Agencijom za privatizaciju na reguliranju statusa i povratu imovine u RH - imovine upisane u Centralni registar pasivnog podbilansa i saradnja sa rudnicima u vezi s povratom i korištenjem imovine rudnika.

General affairs

- *Implementation of contracted activities related to provision of physical and technical protection and money transport services in EPBiH;*
- *Conducted inspection of initial fire extinguishers, the correctness and functioning of the built-in active fire protection system, the correctness and functionality of the hydrants network, as well as the testing and functioning of the fire alarm system;*
- *In the field of fire protection, continuous cooperation with the persons performing these works in the subsidiaries of the Company, as well as certain professional assistance;*
- *Continuously carried out activities related to the implementation of adopted Occupational Health and Safety Management System OHSAS 18001:2007;*
- *Performed periodical medical examinations of employees working in special working conditions;*
- *Performed partial examination of physical, chemical and biological hazards and micro climate in the working environment, and inspection of circuits and lightning rods installations in accordance with legal regulations;*
- *Within the framework of the second supervisory audit of the integrated management system by the authorized certification company, the transition from ISO 9001:2008 to ISO 9001:2015 was certified; management system in accordance with OHSAS 18001:2007 in the Directorate of the Company was certified;*
- *The management system was harmonized in accordance with the requirements of ISO 45001:2018 (modification of management system documents, internal auditing);*

- Continuous monitoring, maintenance and improvement of the management system in accordance with ISO 9001 and ISO 45001:2018 (OHSAS 18001) in the Directorate of the Company;
- Harmonization of the management system of the Company's subsidiaries in accordance with the requirements of the standards they are committed to ISO 9001:2015/ ISO 14001:2015;
- Preparation and implementation of recertification of the management system in subsidiaries of the Company in accordance with the requirements of the standards they are committed to (ISO 9001:2015 / ISO 14001:2015);
- Continuous activities of procurement and updating of reference standards (technical, environmental, quality, etc.) from the Institute for Standardization of BiH for the needs of EPBiH;
- Completed activities related to apportioning of the EPBiH business and technical building (BTB) with the aim of regulating joint ownership with Elektroprijenos BiH;
- Participation in activities of designing rehabilitation and adaptation of buildings, as well as expropriation of buildings and land, and in the activities of allocation of flats of EPBiH in accordance with the Rulebook on return, allocation and sale of flats;
- Continuous activities with the Agency for Privatization related to regulating status and restitution of property in the Republic of Croatia - property registered in the Central registry of passive sub-balance and cooperation with mines related to the restitution and use of mines' property.

Oblast IKT-a

- obezbjeđivanje operativne podrške za 47 poslovnih servisa koji su definirani Katalogom poslovnih IKT servisa, a čiji su korisnici različite djelatnosti unutar EPBiH;
- obezbjeđivanje IKT infrastrukturne i servisne osnove za uvođenje novih servisa, u cilju 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;
- obezbjeđivanje integriteta informacije u IKT sistemu (jedinствен unos informacije i njena višestruka upotreba) kroz konsolidaciju tehničkog i poslovnog informacionog sistema;
- kontinuirano poboljšavanje sistema za upravljanje servisima;
- učešće u realizaciji razvojnih i kapitalnih projekata.

ICT

- Ensuring operative support for 47 business services defined in the Catalogue of business ICT services, used in different activities within EPBiH;
- Ensuring ICT infrastructural and service basis for the introduction of new services, with the aim of supporting successful running, management and maintenance of the electric power system and the efficient implementation of all business processes, as well as planning the development of electric power system;
- Construction of ICT infrastructure in accordance with laws and regulations of the Regulatory Agency for Communications and the ICT system safety policy;
- Ensuring information integrity in the ICT system (unique input of information and its multiple use) through consolidation of the technical and business information system;
- Continuous improvement of services management system;
- Participation in implementation of development and capital projects.

U 2018. godini ostvarena je ukupna proizvodnja električne energije u količini 7.245,4 GWh, što je za 97,0 GWh ili 1,3% manje od planirane proizvodnje, a za 236,4 GWh ili za 3,4% više od proizvodnje ostvarene u 2017. godini.

In 2018, total generated electricity amounted to 7,245.4 GWh, which is by 97.0 GWh or 1.3% less than planned, and by 236.4 GWh or 3.4% more than generation in 2017.

Rad elektroenergetskog sistema EPBiH u 2018. godini karakteriziraju:

- ukupna proizvodnja električne energije manja za 1,3% od planirane, a za 3,4% veća od proizvodnje u 2017. godini;
- ukupno ostvareni dotoci vode bili su veći od planiranih za 252,1 GWh ili za 11,6%, a za 838,0 GWh ili 53,0% veći od ostvarenih dotoka u hidrološki nepovoljnoj 2017. godini, uz napomenu da je dinamika promjena prirodnih dotoka vode, posmatrano kvartalno, bila veoma nepovoljna budući da su povoljne hidrološke prilike bile koncentrirane u prva četiri mjeseca 2018. godine;
- ukupne nabavke uglja manje od bilansom planiranih količina za 12,2%, a za 3,7% manje od nabavki u 2017. godini;
- ukupna potrošnja električne energije manja od planirane za 51,7 GWh ili za 1,0%, a za 22,9 GWh ili 0,4% manja od ukupno ostvarene potrošnje u 2017. godini;
- tržišna prodaja električne energije veća je od bilansom planirane za 400,1 GWh ili za 14,9%, a za 1.519,9 GWh ili za 33,0% manja u odnosu na ostvarenu tržišnu prodaju u 2017. godini.

Sa aspekta količina i dinamike isporuke električne energije u 2018. godini:

- u potpunosti su zadovoljene sve potrebe krajnjih kupaca koje snabdijeva EPBiH u količini 4.714,4 GWh;
- realizirane su ugovorene obaveze za prodaju električne energije u količini 2.271,9 GWh;
- realizirana je ukupna prodaja električne energije vezane trgovine u količini 362,9 GWh;
- realizirana je prodaja po osnovu ugovora o poslovno-tehničkoj saradnji u količini 161,2 GWh;
- realizirana je prodaja električne energije po osnovu pokrivanja gubitaka prijenosa u količini 238,6 GWh;
- realizirana je prodaja električne energije po osnovu ostvarenog debalansa i regulacija u količini 51,8 GWh.

Tabela 3

Proizvodnja (u GWh)	2012.	2013.	2014.	2015.	2016.	2017.	2018.
HE	1.141	1.924	1.617	1.496	1.465	1.002	1.597
TE	5.368	5.549	5.787	5.413	5.780	6.007	5.648
UKUPNO	6.509	7.473	7.404	6.909	7.245	7.009	7.245

REALIZACIJA ELEKTROENERGETSKOG BILANSA

*REALIZATION OF
THE ENERGY BALANCE*

REALIZACIJA
ELEKTROENERGETSKOG
BILANSA
REALIZATION OF THE
ENERGY BALANCE

4



Operations of the EPBiH energy system in 2018 are characterized by the following:

- total generation was by 1.3% lower than planned, and by 3.4% higher than generation in 2017;
- the total realized water inflows were by 252.1 GWh or 11.6% higher than planned and by 838.0 GWh or 53.0% higher than the realized inflows in unfavourable hydrological circumstances in 2017, with the notion that the dynamics of changes in natural water inflows, viewed quarterly, was very unfavourable since favourable hydrological conditions were concentrated in the first four months of 2018;
- total coal purchases by 12.2% lower than the quantities planned by balance sheet, and by 3.7% lower than the purchases in 2017;
- total consumption of electricity was by 51.7 GWh or 1.0% lower than planned, and by 22.9 GWh or 0.4% lower than the total realized consumption in 2017;
- the market sales of electricity were by 400.1 GWh or 14.9% higher than planned, and by 1.519,9 GWh or 33.0% lower than the realized market sales in 2017.

In terms of quantities and dynamics of electricity supply, 2018 saw:

- complete satisfaction of all needs of end customers to whom EPBiH supplies 4,714.4 GWh;
- fulfilment of contractual obligations related to the sales of electricity in the amount of 2,271.9 GWh;
- realized total sales of electricity for trade in the amount of 362.9 GWh;
- realized sales on the basis of contracts on business and technical cooperation in the amount of 161.2 GWh;
- realized sales of electricity on the basis of coverage for transmission losses in the amount of 238.6 GWh;
- realized sales of electricity under realized imbalance and regulation in the amount of 51.8 GWh.

Table 3

Generation (in GWh)	2012	2013	2014	2015	2016	2017	2018
HPP	1,141	1,924	1,617	1,496	1,465	1,002	1.597
TPP	5,368	5,549	5,787	5,413	5,780	6,007	5.648
TOTAL	6,509	7,473	7,404	6,909	7,245	7,009	7.245

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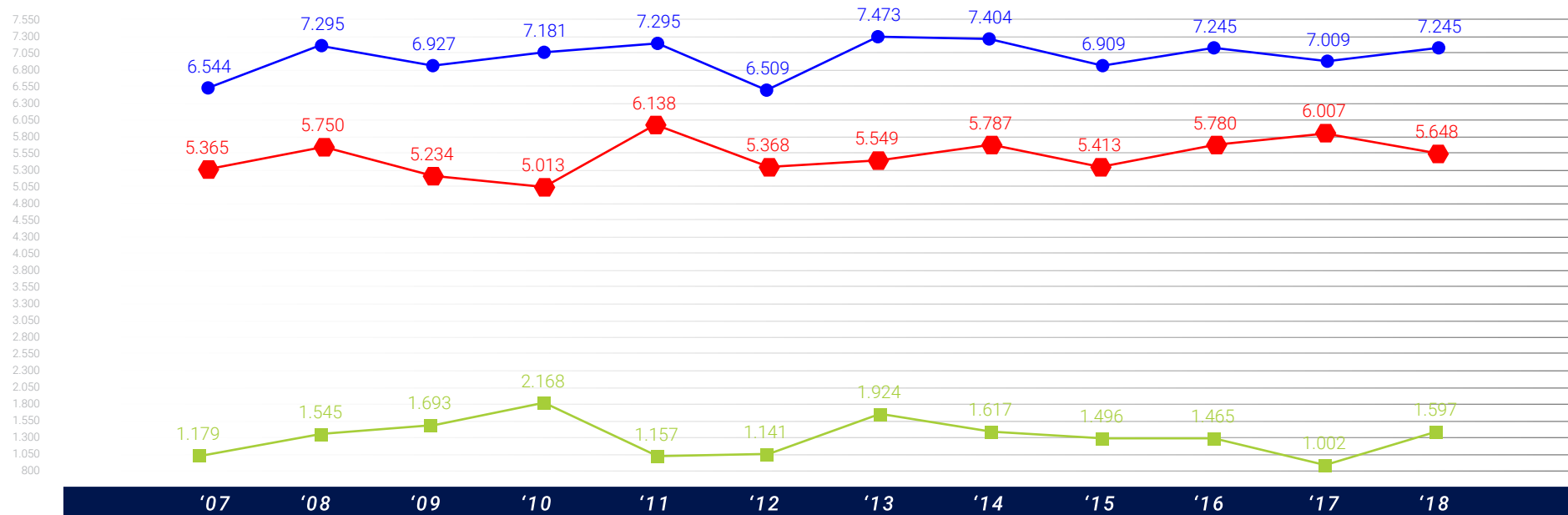
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Dijagram 1 // Diagram 1

TREND-Proizvodnje električne energije (GWh)

TREND-Electricity
generation (GWh)



Hidroelektrane („Jablanica“, „Grabovica“, „Salakovac“ i male hidroelektrane u vlasništvu EPBiH) su proizvele 1.597,1 GWh, što je za 178,3 GWh ili za 12,6% više od plana, te za 595,3 GWh ili za 59,4% više od ostvarene proizvodnje u 2017. godini.

Termoelektrane „Tuzla“ i „Kakanj“ ostvarile su proizvodnju 5.648,3 GWh, što je za 275,3 GWh ili za 4,6% manje od plana, a za 358,9 GWh ili 6,0% manje u odnosu na proizvodnju u 2017. godini. U TE „Tuzla“ proizvodnja je realizirana ispod plana, sa procentom ostvarenja 93,9%, dok je u TE „Kakanj“ taj procenat iznosio 97,3%.

Od ukupne proizvodnje za 2018. godinu, 78,0% odnosi se na proizvodnju termoelektrana, dok se 22,0% odnosi na proizvodnju hidroelektrana, što predstavlja povoljniji hidro-termo odnos u poređenju sa planom i nekoliko prethodnih godina.

Hydro power plants („Jablanica“, „Grabovica“, „Salakovac“ and small hydro power plants owned by EPBiH) generated 1,597.1 GWh, which is by 178.3 GWh or 12.6% more than defined in the Plan, and by 595.3 GWh or 59.4% more than the generation realized in 2017.

Thermal power plants „Tuzla“ and „Kakanj“ generated 5,648.3 GWh, which is by 275.3 GWh or 4.6% less than defined in the Plan, and by 358.9 GWh or 6.0% lower than generation in 2017. In TPP „Tuzla“, generation was lower than defined in the Plan, with 93.9% of realization, while in TPP Kakanj this percentage was 97.3%.

Out of the total generation in 2018, 78.0% relates to generation in thermal power plants, while 22.0% relates to generation in hydro power plants, representing a more favourable hydro-thermal ratio compared to the ration defined in the Plan and in several previous years.

Tabela 4 // Table 4

Proizvodnja odnos (%)	2018.	Plan 2018.	2017.	2016.	2015.	2014.	2013.	2012.
HE	22,0%	19,3%	14,3%	20,2%	21,7%	21,8%	25,7%	17,5%
TE	78,0%	80,7%	85,7%	79,8%	78,3%	78,2%	74,3%	82,5%

GENERATION ratio (%)	2018	2018 Plan	2017	2016	2015	2014	2013	2012
HPP	22.0%	19.3%	14.3%	20.2%	21.7%	21.8%	25.7%	17.5%
TPP	78.0%	80.7%	85.7%	79.8%	78.3%	78.2%	74.3%	82.5%

REALIZACIJA ELEKTROENERGETSKOG BILANSA

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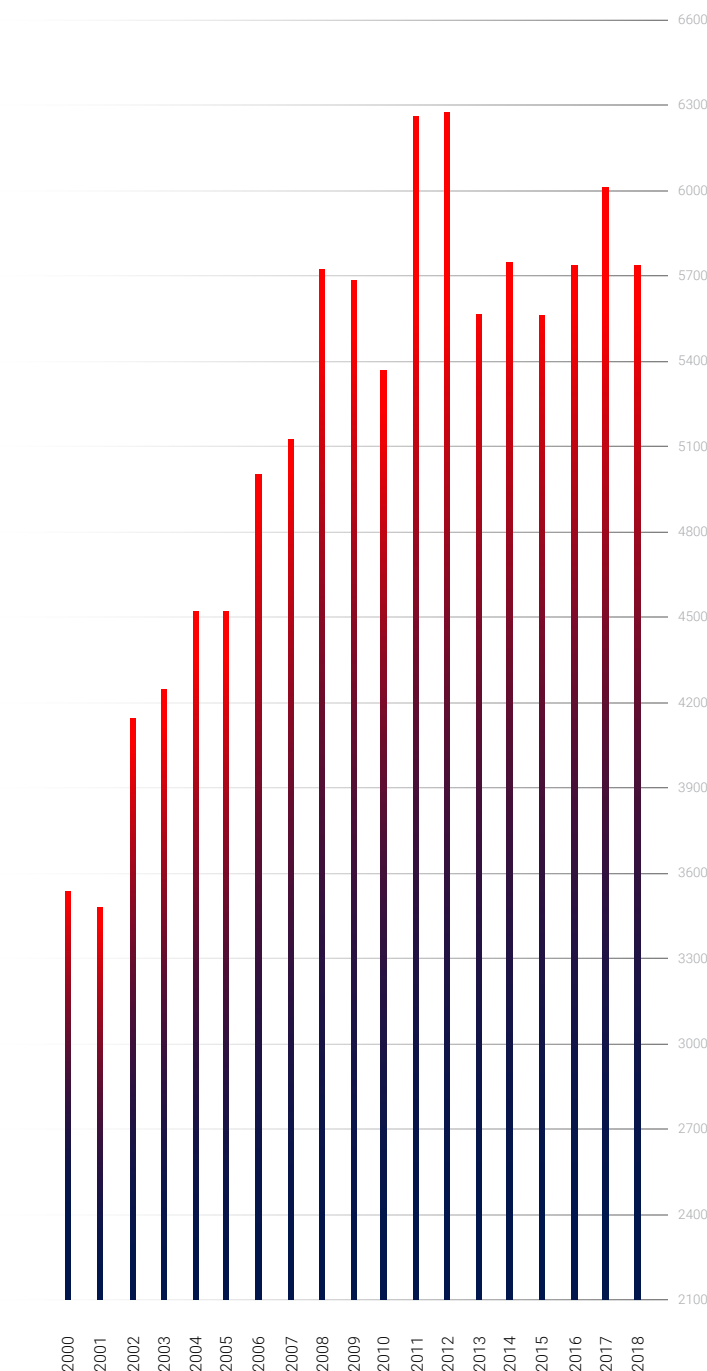
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Dijagram 2 // Diagram 2

Trend nabavka uglja (u hilj. tona)

Trend Coal supply
(in th. tons)



Potrošnja

Ukupna potrošnja električne energije obuhvata bruto distributivnu potrošnju (bez neto potrošnje drugih snabdjevača) i potrošnju direktnih potrošača. U 2018. godini ukupna potrošnja električne energije ostvarena je u količini 5.089,6 GWh, što je za 51,7 GWh ili 1,0% manje od plana po EEB-u, a za 22,9 GWh ili za 0,4% manje od potrošnje u 2017. godini.

U 2018. godini je iz elektroenergetskog sistema EPBiH isporučeno u saldu 2.155,8 GWh (prodato 3.086,4 GWh, kupljeno 929,3 GWh), a po drugim osnovama u saldu primljeno 1,3 GWh.

Proizvodnja sporednih proizvoda

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

- toplotne energije i tehnološke pare, ukupno 115,3 GWh u TE „Tuzla“,
- toplotne energije 22,4 GWh u TE „Kakanj“.

Nabavke uglja

Ukupne nabavke uglja za potrebe rada termoelektrana u 2018. godini iznosile su 5.811,6 hilj. tona, što je manje od bilansom planiranih količina za 808,4 hilj. tona ili 12,2%. U odnosu na 2017. godinu, ukupno nabavljene količine uglja bile su manje za 224,1 hilj. tona ili za 3,7%.

Ukupno ostvarene zalihe na depoima termoelektrana, na kraju 2018. godine, iznosile su 230,1 hilj. tona, što je za 312,0 hilj. tona manje od plana.

Toplotna vrijednost utrošenog uglja iznosila je ukupno 11.974 (kJ/kg), što je za 149 (kJ/kg) ili za 1,3% bolje od bilansnog plana.

Consumption

Total electricity consumption includes gross distributive consumption (excluding net consumption of other suppliers) and consumption by direct customers. In 2018, total consumption of electricity was realized in the amount of 5,089.6 GWh, which is by 51.7 GWh or 1.0% less than planned in the EEB, and by 22.9 GWh or by 0.4% less than consumption in 2017.

In 2018, EPBiH energy system supplied in balance 2,155.8 GWh (sold 3.086.4 GWh, and bought 929.3 GWh), while 1.3 GWh were supplied under other balance bases.

Generation of by-products

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

- thermal energy and process steam, in total 115.3 GWh in TPP „Tuzla“,
- thermal energy, 22.4 GWh in TPP „Kakanj“.

Purchases of coal

Total coal purchased for the needs of operation of thermal power plants in 2018 amounted to 5,811.6 thousand tons, which is by 808.4 thousand tons or 12.2% less than the quantities planned in the Balance. In comparison with 2017, total purchased coal quantities were by 224.1 thousand tons or 3.7% lower.

Total realized stock on thermal power plants depots at the end of 2018 amounted to 230.1 thousand tons, which is by 312.0 thousand tons less than defined in the Plan.

Thermal value of consumed coal amounted to 11.974 (kJ/kg), which is by 149 (kJ/kg) or 1.3% better than the balance plan.

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Tabela 5 // Table 5

Realizacija
elektroenergetskog
bilansa za
2018. godinu
Realization of the
energy balance for 2018

ELEMENTI BILANSA	Ostvarenje 2018. GWh	Plan 2018. GWh	Ostvarenje 2017. GWh	U odnosu na plan 2018. Promjena %	U odnosu na 2017. Promjena %
1. PROIZVODNJA	7.245,4	7.342,4	7.009,0	-1,3	3,4
Hidroelektrane	1.597,1	1.418,8	1.001,8	12,6	59,4
- HE na Neretvi	1.533,6	1.351,9	941,4	13,4	62,9
- male HE	63,5	66,9	60,4	-5,1	5,1
Termoelektrane	5.648,3	5.923,6	6.007,2	-4,6	-6,0
- TE „Tuzla“	3.196,0	3.403,9	3.460,8	-6,1	-7,6
- TE „Kakanj“	2.452,3	2.519,7	2.546,5	-2,7	-3,7
2. PRIJEM, kupovina i korekcija	991,2	494,2	2.738,7	100,6	-63,8
3. UKUPNO RASPOLOŽIVO (1+2)	8.236,6	7.836,6	9.747,7	5,1	-15,5
4. POTROŠNJA	5.089,6	5.141,4	5.112,5	-1,0	-0,4
Bruto distributivna potrošnja	4.625,3	4.664,2	4.627,2	-0,8	0,0
Direktni potrošači	464,3	477,2	485,3	-2,7	-4,3
5. PRODAJA - isporuka i korekcija	3.147,0	2.695,2	4.635,3	16,8	-32,1
6. UKUPNE POTREBE (4+5)	8.236,6	7.836,6	9.747,7	5,1	-15,5

BALANCE ELEMENTS	Realization 2018 GWh	Plan 2018 GWh	Realization 2017 GWh	In comparison with 2018 Plan Change %	In comparison with 2017 Change %
1. GENERATION	7,245.4	7,342.4	7,009.0	-1.3	3.4
Hydro power plants	1,597.1	1,418.8	1,001.8	12.6	59.4
- HPPs on the Neretva River	1,533.6	1,351.9	941.4	13.4	62.9
- small HPPs	63.5	66.9	60.4	-5.1	5.1
Thermal power plants	5,648.3	5,923.6	6,007.2	-4.6	-6.0
- TPP „Tuzla“	3,196.0	3,403.9	3,460.8	-6.1	-7.6
- TPP „Kakanj“	2,452.3	2,519.7	2,546.5	-2.7	-3.7
2. ADMISSION, purchase and correction	991.2	494.2	2,738.7	100.6	-63.8
3. TOTAL AVAILABLE (1+2)	8,236.6	7,836.6	9,747.7	5.1	-15.5
4. CONSUMPTION	5,089.6	5,141.4	5,112.5	-1.0	-0.4
Gross distribution consumption	4,625.3	4,664.2	4,627.2	-0.8	0.0
Direct consumers	464.3	477.2	485.3	-2.7	-4.3
5. SALES - supply and correction	3,147.0	2,695.2	4,635.3	16.8	-32.1
6. TOTAL NEEDS (4+5)	8,236.6	7,836.6	9,747.7	5.1	-15.5

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Tabela 6

Rezultat poslovanja
JP Elektroprivreda
BiH za 2018. godinu

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UKUPNI PRIHODI u hiljadana KM		2018.	Plan 2018.	2017.	Index 18/pl	Index 18/17
1.	Prihodi od prod.elektične energije i pomoćnih usluga	997.217	963.899	1.065.701	103,5	93,6
	- prihod od prodaje krajnjim kupcima EP BiH	695.243	688.326	677.063	101,0	102,7
	- kupci na 110 kV	50.411	49.359	46.356	102,1	108,7
	- kupci na 35 kV *	36.428	34.250	31.995	106,4	113,9
	- kupci na 10 kV *	121.352	118.712	110.584	102,2	109,7
	- kupci na 0,4 kV domaćinstva	307.962	314.545	312.019	97,9	98,7
	- kupci na 0,4 kV * ostala potrošnja	164.704	156.828	163.031	105,0	101,0
	- kupci na 0,4 kV javna rasvjeta	13.852	14.197	12.426	97,6	111,5
	- neovlaštena potrošnja (svi naponi na distributivnoj mreži)	533	435	446	122,5	119,5
	- prihod od nefakturisane električne energije	0	0	205		0,0
	- prihod po osnovu UPTS-a	17.552	20.604	20.173	85,2	87,0
	- prihod od prodaje drugim kupcima u BiH	219.765	205.795	322.782	106,8	68,1
	- prihod od izvoza električne energije	27.431	36.317	11.918	75,5	230,2
	- prihod od pomoćnih usluga uključujući i el.energ. u vezi pomoćnih usluga	37.226	12.858	33.765	289,5	110,3
2.	Prihod od prod.tehn.pare i topl. energije	14.670	18.123	14.913	80,9	98,4
	-prihod od tehnološke pare	3.141	3.412	3.114	92,0	100,9
	- prihod od toplotne energije	9.945	13.232	10.261	75,2	96,9
	- prihod od prodaje ostalih spor. i nus proiz.	1.585	1.480	1.539	107,1	103,0
3.	Prihodi od prodaje materijala i usluga	27.052	26.089	27.246	103,7	99,3
	- prihod od naknada priključenja	17.033	17.800	19.434	95,7	87,6
	- ostali prihodi od prodaje materijala i usluga	10.019	8.289	7.812	120,9	128,3
4.	Prihod od finansiranja	6.498	3.515	9.222	184,9	70,5
5.	Ostali prihodi	15.239	13.320	37.995	114,4	40,1
UKUPNO (1 do 5)		1.060.676	1.024.946	1.155.077	103,5	91,8
6.	Materijal za proizvodnju električne energije	348.046	376.880	372.269	92,3	93,5
7.	Materijal za održavanje	10.584	12.534	10.458	84,4	101,2
8.	Ostali troškovi materijala (el. energija, kancel.mat. HTZ, gorivo, mazivo)	5.301	6.348	5.178	83,5	102,4
9.	Troškovi prevoza uglja	27.144	28.817	28.442	94,2	95,4
10.	Usluge održavanja	14.795	17.898	12.356	82,7	119,7
11.	Troškovi nabavke električne energije i pomoćnih usluga	107.253	98.491	269.539	108,9	39,8
12.	Premije osiguranja	2.171	2.600	1.199	83,5	181,0
13.	Drugi troškovi usluga	9.691	11.984	9.472	80,9	102,3
14.	Troškovi amortizacije	150.258	157.051	150.917	95,7	99,6
15.	Troškovi mrežarina i naknada za NOS	49.812	46.352	52.513	107,5	94,9
16.	Plate i naknade plata	151.717	151.666	151.367	100,0	100,2
17.	Drugi troškovi rada	21.156	21.002	20.768	100,7	101,9
18.	Vodoprivredne naknade	28.055	25.670	18.314	109,3	153,2
19.	Razne dažbine, naknade i članarine	22.438	23.926	22.891	93,8	98,0
20.	Drugi troškovi poslovanja	7.154	9.207	8.244	77,7	86,8
21.	Finansijski troškovi i rashodi	5.644	4.121	4.526	137,0	124,7
22.	Drugi rashodi (otpis potraživa., gubici od umanj.vrijed. troš. iz ranij. god.)	18.885	8.759	9.347	215,6	202,0
23.	Troškovi rezervisanja	19.150	5.726	6.656	334,5	287,7
UKUPNI TROŠKOVI I RASHODI (6 do 23)		999.253	1.009.032	1.154.456	99,0	86,6
DOBIT PRIJE POREZA		61.423	15.914	621		
NETO DOBIT PERIODA		52.383		621		

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

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Table 6

EPBiH business
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TOTAL REVENUES in thousands BAM		2018	Plan 2018	2017	Index 18/pl	Index 18/17
		1	2	3	4	5
1.	Revenues from sales of electricity and auxiliary services	997,217	963,899	1,065,701	103.5	93.6
	- revenues from sales to end-customers of EPBiH	695,243	688,326	677,063	101.0	102.7
	- customers at 110 kV	50,411	49,359	46,356	102.1	108.7
	- customers at 35 kV *	36,428	34,250	31,995	106.4	113.9
	- customers at 10 kV *	121,352	118,712	110,584	102.2	109.7
	- customers at 0.4 kV households	307,962	314,545	312,019	97.9	98.7
	- customers at 0.4 kV * other consumption	164,704	156,828	163,031	105.0	101.0
	- customers at 0.4 kV public lighting	13,852	14,197	12,426	97.6	111.5
	- unauthorized consumption (all voltages in the distributive network)	533	435	446	122.5	119.5
	- revenues from uninvoiced electricity	0	0	205		0.0
	- revenues based on CBTCs	17,552	20,604	20,173	85.2	87.0
	- revenue from sales to other customers in BiH	219,765	205,795	322,782	106.8	68.1
	- revenues from export of electricity	27,431	36,317	11,918	75.5	230.2
	- revenues from auxiliary services, including electricity related to auxiliary services	37,226	12,858	33,765	289.5	110.3
2.	Revenues from sales of process steam and thermal energy	14,670	18,123	14,913	80.9	98.4
	- revenues from process steam	3,141	3,412	3,114	92.0	100.9
	- revenues from thermal energy	9,945	13,232	10,261	75.2	96.9
	- revenues from sales of secondary products and by-products	1,585	1,480	1,539	107.1	103.0
3.	Revenues from sales of materials and services	27,052	26,089	27,246	103.7	99.3
	- revenues from connection fees	17,033	17,800	19,434	95.7	87.6
	- other revenues from sales of materials and services	10,019	8,289	7,812	120.9	128.3
4.	Revenues from financing	6,498	3,515	9,222	184.9	70.5
5.	Other revenues	15,239	13,320	37,995	114.4	40.1
TOTAL (1 through 5)		1,060,676	1,024,946	1,155,077	103.5	91.8
6.	Materials for electricity production	348,046	376,880	372,269	92.3	93.5
7.	Materials for maintenance	10,584	12,534	10,458	84.4	101.2
8.	Oher costs of materials (electricity, office supplies, PPK, fuel, grease)	5,301	6,348	5,178	83.5	102.4
9.	Coal transport costs	27,144	28,817	28,442	94.2	95.4
10.	Maintenance services	14,795	17,898	12,356	82.7	119.7
11.	Electricity procurements and auxiliary services costs	107,253	98,491	269,539	108.9	39.8
12.	Insurance premiums	2,171	2,600	1,199	83.5	181.0
13.	Other services costs	9,691	11,984	9,472	80.9	102.3
14.	Amortisation costs	150,258	157,051	150,917	95.7	99.6
15.	Network fee costs and IOS fee	49,812	46,352	52,513	107.5	94.9
16.	Salaries and remunerations	151,717	151,666	151,367	100.0	100.2
17.	Other labour costs	21,156	21,002	20,768	100.7	101.9
18.	Water utility fees	28,055	25,670	18,314	109.3	153.2
19.	Charges, fees and membership fees	22,438	23,926	22,891	93.8	98.0
20.	Other business operation costs	7,154	9,207	8,244	77.7	86.8
21.	Financial costs and expenditures	5,644	4,121	4,526	137.0	124.7
22.	Other expenditures (receivables write-off, losses from costs value depreciation from previous years)	18,885	8,759	9,347	215.6	202.0
23.	Reservation costs	19,150	5,726	6,656	334.5	287.7
TOTAL COSTS AND EXPENDITURES (6 through 23)		999,253	1,009,032	1,154,456	99.0	86.6
PROFIT BEFORE TAX		61,423	15,914	621		
NET PROFIT OF THE PERIOD		52,383		621		

* including the distribution network of end-customers of other suppliers and own consumption which is taken over from 10kV and 0.4kV.

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Prihodi

U 2018. godini EPBiH je nastavila sa pozitivnim, likvidnim i stabilnim poslovanjem, uz redovno izmirivanje obaveza prema dobavljačima, državnim organima i institucijama, zaposlenim i kreditorima.

Ukupno ostvareni prihod EPBiH za 2018. godinu iznosi 1.060,68 mil. KM i veći je od planiranog za 35,73 mil. KM ili 3,5%, a za 8,2% manji od ostvarenog prihoda u 2017. godini.

Prihod od prodaje električne energije i pomoćnih usluga

U strukturi ukupno ostvarenog prihoda najveći dio čini prihod od prodaje električne energije i pomoćnih usluga u iznosu 997,22 mil. KM ili 94,0% ukupnih prihoda Društva za 2018. godinu.

Ovi prihodi se odnose na prihod od:

- prodaje krajnjim kupcima EPBiH u iznosu 695,24 mil. KM,
- prodaje drugim kupcima u BiH u iznosu 219,77 mil. KM,
- izvoza električne energije u iznosu 27,43 mil. KM,
- prodaje po osnovu ugovora o poslovno-tehničkoj saradnji (UPTS) u iznosu 17,55 mil. KM
- pomoćnih usluga u iznosu 37,23 mil. KM (energija i kapaciteti).

Revenues

In 2018, EPBiH continued with positive, liquid and stable business operations, with regular settlement of obligations toward suppliers, state authorities and institutions, employees and creditors.

Total realized revenues of EPBiH in 2018 amounts to 1,060.68 million BAM, which is by 35.73 million KM or 3.5% more than planned, and by 8.2% lower than revenues realized in 2017.

Revenues from sales of electricity and auxiliary services

In the structure of total realized revenues, the biggest portion pertains to revenues from sales of electricity and auxiliary services in the amount of 997.22 million BAM or 94.0% of total revenues of the Company for 2018.

These revenues pertains to revenues from:

- *sales to EPBiH end-customers in the amount of 695.24 million BAM,*
- *sales to other customers in BiH in the amount of 219.77 million BAM,*
- *export of electricity in the amount of 27.43 million BAM,*
- *sales on the basis of contracts on business and technical cooperation (CBTS) in the amount of 17.55 million BAM*
- *auxiliary services in the amount of 37.23 million BAM (energy and capacities).*

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Tabela 7 // Table 7

Struktura prodaje
električne energije

Electricity sales
structure

* nisu obuhvaćeni prihodi po osnovu neovlaštene potrošnje,
te prihodi od distributivne mrežarine za kupce drugih snabdevača

STRUKTURA PRODAJE Vrsta prodaje	Ostv. 2018.				Plan 2018.				Ostv. 2017.			
	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	464,3	10,83	50,3	5%	477,2	10,34	49,4	5%	485,3	9,55	46,4	4%
- kupci na 35 kV	303,9	11,89	36,1	4%	285,3	11,91	34,0	4%	286,7	11,05	31,7	3%
- kupci na 10 kV	860,0	13,85	119,2	12%	822,8	13,96	114,9	12%	830,1	12,97	107,6	10%
- domaćinstva	2.110,7	14,59	308,0	31%	2.171,8	14,48	314,6	33%	2.141,8	14,57	312,0	30%
- ostali 0,4 kV	893,7	18,43	164,7	17%	872,6	17,63	153,8	16%	885,0	18,41	163,0	16%
- javna rasvjeta	81,9	16,92	13,9	1%	82,9	17,12	14,2	1%	81,2	15,30	12,4	1%
Ukupno krajnji kupci (SNB)	4.714,4	14,68	692,1	70%	4.712,6	14,45	680,8	72%	4.710,1	14,29	673,1	65%
Tržišna prodaja												
Dugoročna prodaja	1.440,2	8,77	126,2	13%	917,1	8,59	78,8	8%	1.884,6	7,56	142,4	14%
Kratkoročna prodaja	832,5	9,91	82,5	8%	1.572,0	8,92	140,3	15%	737,5	8,27	61,0	6%
Prodaja po osnovu UPTS	161,2	10,89	17,6	2%	197,0	10,46	20,6	2%	194,3	10,38	20,2	2%
Kupoprodaja	362,9	10,59	38,4	4%	240,0	9,60	23,0	2%	1.527,0	8,01	122,3	12%
Prodaja u vezi pom.usluga	290,4	9,79	28,4	3%	58,8	8,35	4,9	1%	263,3	8,74	23,0	2%
Ukupno tržišna prodaja (TRG)	3.087,1	9,50	293,2	30%	2.984,9	8,97	267,6	28%	4.606,7	8,01	368,8	35%
Ukupno prodaja električne energije*	7.801,5	12,63	985,3	100%	7.697,4	12,32	948,4	100%	9.316,8	11,18	1.041,9	100%

* Revenues from unauthorized consumption,
and revenues from distribution network fees for customers of other suppliers are excluded.

SALES STRUCTURE Sales type	2018 Real.				2018 Plan				2017 Real.			
	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	464.3	10.83	50.3	5%	477.2	10.34	49.4	5%	485.3	9.55	46.4	4%
- customers at 35 kV	303.9	11.89	36.1	4%	285.3	11.91	34.0	4%	286.7	11.05	31.7	3%
- customers at 10 kV	860.0	13.85	119.2	12%	822.8	13.96	114.9	12%	830.1	12.97	107.6	10%
- households	2,110.7	14.59	308.0	31%	2,171.8	14.48	314.6	33%	2,141.8	14.57	312.0	30%
- others at 0.4 kV	893.7	18.43	164.7	17%	872.6	17.63	153.8	16%	885.0	18.41	163.0	16%
- public lighting	81.9	16.92	13.9	1%	82.9	17.12	14.2	1%	81.2	15.30	12.4	1%
Total end-customers (SNB)	4,714.4	14.68	692.1	70%	4.712.6	14.45	680.8	72%	4,710.1	14.29	673.1	65%
Market sales												
Long-term sales	1,440.2	8.77	126.2	13%	917.1	8.59	78.8	8%	1,884.6	7.56	142.4	14%
Short-term sales	832.5	9.91	82.5	8%	1,572.0	8.92	140.3	15%	737.5	8.27	61.0	6%
CBTC sales	161.2	10.89	17.6	2%	197.0	10.46	20.6	2%	194.3	10.38	20.2	2%
Buying and selling	362.9	10.59	38.4	4%	240.0	9.60	23.0	2%	1,527.0	8.01	122.3	12%
Sales related to aux. services	290.4	9.79	28.4	3%	58.8	8.35	4.9	1%	263.3	8.74	23.0	2%
Total market sales (TRG)	3,087.1	9.50	293.2	30%	2,984.9	8.97	267.6	28%	4,606.7	8.01	368.8	35%
Total sales of electricity*	7,801.5	12.63	985.3	100%	7.697,4	12.32	948.4	100%	9,316.8	11.18	1,041.9	100%

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Tabela 8 // Table 8

Prihod od prodaje
električne energije
krajnjim kupcima na
distributivnoj mreži

Revenues from electricity
sales to end-customers
on the distribution
network

Podružnica / Pokazatelji	ED Bihać	ED Mostar	ED Sarajevo	ED Tuzla	ED Zenica	Ukupno
Iznos prihoda (mil. KM)	70,73	35,36	203,63	175,33	156,74	641,80
Učešće prihod distr. kupci (%)	11,0	5,5	31,7	27,3	24,4	100,0
Prodana količina (GWh)	451,7	228,0	1.344,6	1.198,6	1.027,2	4.250,1
Prosječna cijena (F/kWh)	15,66	15,51	15,14	14,63	15,26	15,10

Subsidiary / Indicators	ED Bihać	ED Mostar	ED Sarajevo	ED Tuzla	ED Zenica	Total
Revenue amount (mil. BAM)	70,73	35,36	203,63	175,33	156,74	641.80
Share revenues from distribution to customers (%)	11,0	5,5	31,7	27,3	24,4	100.0
Quantity sold (GWh)	451,7	228,0	1.344,6	1.198,6	1.027,2	4,250.1
Average price (F/kWh)	15,66	15,51	15,14	14,63	15,26	15.10

Prihod od prodaje električne energije na tržištu

Prihod od prodaje električne energije na tržištu, realiziran kroz djelatnost trgovine, ostvaren je u zbirnom iznosu 264,75 mil. KM i veći je od planiranog za 2,03 mil. KM ili za 0,8%.

Na kupce iz BiH odnosi se 237,32 mil. KM prihoda iz ove grupe (uključujući prihod od prodaje energije po osnovu UPTS-a), dok se preostalih 27,43 mil. KM odnosi na izvoznu prodaju električne energije kupcima sa sjedištem izvan BiH.

Ako se energija prodana kroz djelatnost trgovine posmatra prema vrsti prodaje, onda je struktura ostvarenog prihoda sljedeća:

- prihod od dugoročne prodaje 126,24 mil. KM,
- prihod od kratkoročne prodaje vlastite energije 82,54 mil. KM,
- prihod po osnovu UPTS-a 17,55 mil. KM (uključujući i mrežarinu u iznosu 2,77 mil. KM),
- prihod po osnovu kupoprodaje (također kratkoročnog karaktera) 38,42 mil. KM.

Prosječne prodajne cijene za krajnje kupce od 2010. do 2015. godine imale su trend rasta, zatim je u 2016. i 2017. godini došlo do njihovog smanjenja, da bi u 2018. godini ponovo počele rasti. S druge strane, prosječne cijene u djelatnosti trgovine od 2013. do 2017. godine imale su trend pada, ali u 2017. godini dolazi do rasta koji se nastavio i u 2018. godini.

Ostvarena ukupna prosječna cijena kod svih krajnjih kupaca je bila 14,68 F/kWh, što je više od planirane prosječne cijene (14,45 F/kWh) za 1,6%.

Revenues from electricity market sales

Revenues from the sale of electricity in the market, realized through the trade activity, was realized in a total amount of 264.75 million BAM, which is by 2.03 million KM or 0.8% higher than the defined in the Plan.

Revenues in the amount of 237.32 million BAM from this group (including the revenues from UPTS-based energy sales) pertain to customers from BiH, while the remaining 27.43 million BAM pertains to export sales of electricity to customers located outside BiH.

If the energy sold through the trade activity is observed by the type of sales, then the structure of the realized revenues is as follows:

- revenues from long-term sales 126.24 million BAM,
- revenues from short-term sales of own energy 82.54 million BAM,
- revenues from UPTS 17.55 million BAM (including network fees in the amount of 2.77 million BAM),
- revenues from buying and selling (also of short-term nature) 38.42 million BAM.

The average sales prices for end-customers from 2010 to 2015 had a growing trend, followed by a reduction in 2016 and 2017, and they began to grow again in 2018. On the other hand, average prices in the trade activity from 2013 to 2017 had a downward trend, with the growth in 2017 continuing in 2018.

The total average price reached for all end customers was 14.68 F/kWh, which is by 1.6% more than the planned average price (14.45 F/kWh).

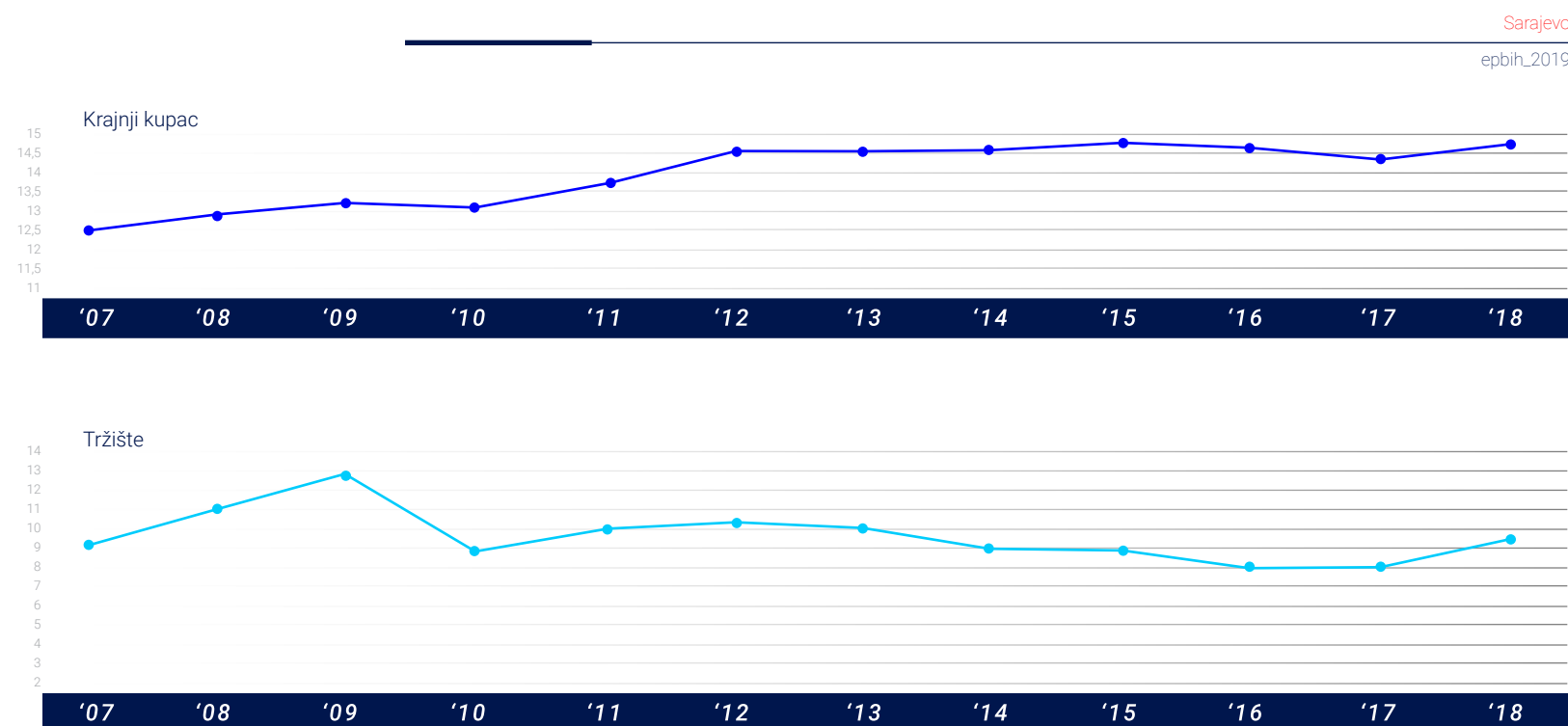
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Dijagram 3

TREND-Prosječne cijene (F/kWh)



Troškovi i rashodi

Ukupno ostvareni troškovi i rashodi za 2018. godinu iznose 999,25 mil. KM, što je manje od planiranih za 9,78 mil. KM ili 1,0% prvenstveno zbog manjih troškova materijala za proizvodnju električne energije, kao i troškova amortizacije. U odnosu na 2017. godinu, troškovi i rashodi su manji za 155,20 mil. KM ili 13,4%.

Troškovi materijala za proizvodnju električne energije 2018. godine iznose 348,05 mil. KM, dok troškovi prijevoza uglja iznose 27,14 mil. KM i u zbiru čine 37,5% ukupnih troškova i rashoda.

Troškovi amortizacije iznose 150,26 mil. KM, što čini 15,0% ukupnih troškova i rashoda Društva za 2018. godinu. Ostvareni troškovi amortizacije su manji od planiranih za 6,79 mil. KM ili za 4,3%. Najveći trošak amortizacije odnosi se na amortizaciju građevinskih objekata u iznosu 67,76 mil. KM i amortizaciju postrojenja i opreme u iznosu 63,79 mil. KM.

Troškovi mrežarina i naknada za NOS su ostvareni u iznosu 49,81 mil. KM i odnose se na:

- troškove prijenosa električne energije (42,63 mil. KM), gdje se 38,13 mil. KM odnosi na isporuke krajnjim kupcima na distributivnoj mreži, a 4,50 mil. KM na isporuke kupcima na mreži prijenosa,
- troškove naknada za rad NOS-a BiH u iznosu 2,56 mil. KM,

- troškove korištenja mreže za krajnje kupce u iznosu 4,62 mil. KM, gdje se evidentiraju troškovi mrežarine kod kupovine energije od drugih elektroprivreda u BiH po osnovu isporuka na SN mreži iz UPTS-a.

Troškovi dažbina

Vodoprivredne naknade u iznosu 28,05 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 veći od planiranih za 2,38 mil. KM ili za 9,3%, a ključni razlog je veća proizvodnja u hidroelektranama od planirane proizvodnje.

Razne dažbine, naknade i članarine obuhvataju troškove za korištenje građevinskog zemljišta i komunalne naknade, članarine privrednim komorama, naknade za zagađenje zraka, naknade za NOS, FERK, RAK i dr. i ostvareni su u iznosu 22,44 mil. KM, pri čemu su manji od planiranih troškova za 1,49 mil. KM ili za 6,2%.

REALIZACIJA FINANSIJSKOG PLANA

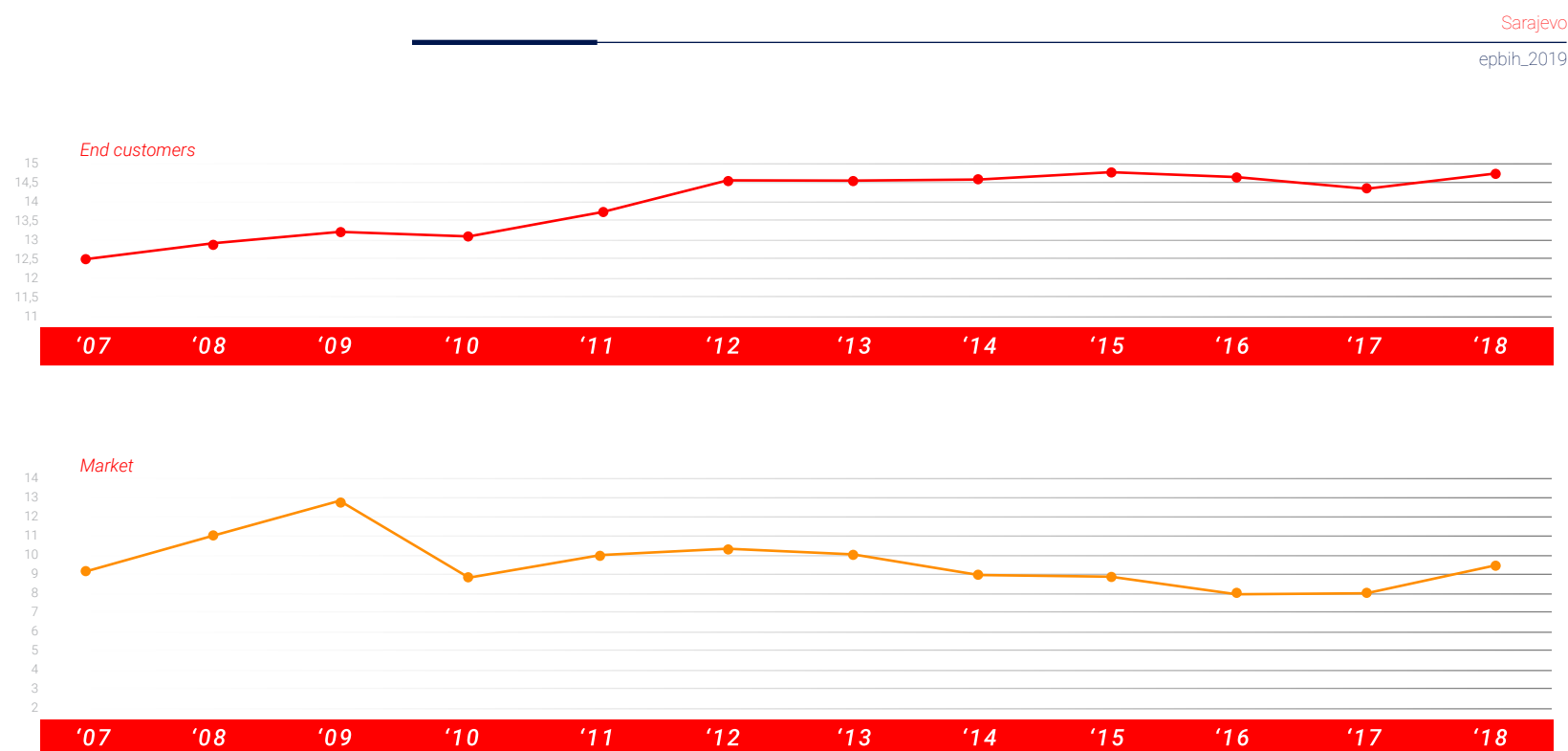
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Diagram 3

TREND-Average prices (F/kWh)



Costs and expenditures

Total realized costs and expenditures for 2018 amount to 999.25 million BAM, which is by 9.78 million BAM or 1.0% less than planned, primarily due to lower costs of materials for electricity production, as well as depreciation costs. Compared to 2017, cost and expenditures are by 155.20 million BAM or 13.4% lower.

Costs of materials for electricity production in 2018 amount to 348.05 million BAM, while costs of coal transport amount to 27.14 million BAM and collectively make for 37.5% of total costs and expenditures.

Amortisation costs amount to 150.26 million BAM, which is 15.0% of total costs and expenditures of the Company for 2018. Realized amortisation costs are by 6.79 million BAM or 4.3% lower than planned. The highest amortisation cost relates to amortization of buildings in the amount of 67.76 million BAM and amortization of plants and equipment in the amount of 63.79 million BAM.

Costs of network fees and IOS fee are realized in the amount of 49.81 million BAM and relate to:

- costs of electricity transmission (42.63 million BAM), where 38.13 million BAM relate to supply to end-customers in the distributive network, and 4.50 million BAM to supply to customers in the transmission network,
- costs of IOS BiH fees in the amount of 2.56 million BAM,

- costs of using the network for end-customers in the amount of 4.62 million BAM, where costs of network fee are recorded when purchasing energy from other power companies in BiH based on supplies on the LV network from CBTCs.

Costs of utilities

Water utility fees in the amount of 28.05 million BAM relate to costs of water contribution, water protection fee, contribution for usage of hydro accumulation facilities, and costs of Cantonal fee of special importance for Hercegovina-Neretva Canton. These costs are by 2.38 million BAM or 9.3% higher than planned, mainly due to higher than planned generation in hydro power plants.

Various charges, fees and membership fees include the costs for the usage of construction land and utility fees, fees for membership in chambers of commerce, fees for air pollution, fees for IOS, FERK, RAK, etc., and were realized in the amount of 22.44 million BAM, while they are by 1.49 million BAM or 6.2% lower than planned.

Tabela 9

POKAZATELJI BILANSA USPJEHA	Ostvarenje 2018.	Plan 2018.	Ostvarenje 2017.
Proizvodnja električne energije (GWh)	7.245,4	7.342,4	7.009,0
Operativni prihod (hilj. KM)	1.039.078,8	1.008.163,7	1.107.859,6
Prihod od prodaje električne energije i pomoćnih usluga	997.217,5	963.899,3	1.065.700,5
Prihod od prodaje sporednih proizvoda, materijala i usluga	41.861,3	44.264,5	42.159,0
Gotovinski operativni troškovi (hilj. KM)	824.744,9	839.501,2	988.711,9
- troškovi mat. za proiz. el. energije i prijevoz uglja	375.189,7	405.696,6	400.711,3
- materijal i usluge održavanja	25.378,6	30.431,4	22.814,2
- plate i drugi troškovi rada	172.873,5	172.668,3	172.134,4
- zavisni troškovi prodaje *	157.065,5	144.843,5	322.052,9
- troškovi dažbina	50.492,7	49.596,7	41.205,1
- ostali operativni troškovi	43.745,0	36.264,7	29.794,0
EBITDA (hilj. KM)	214.333,9	168.662,5	119.147,6
Prihod od donacija (amort. doniranih sredstava)	6.969,5	7.568,0	7.309,1
Amortizacija (hilj. KM)	150.257,6	157.050,9	150.916,7
EBIT (hilj. KM)	71.045,7	19.179,7	-24.460,0
Operativni koeficijent (op. trošk. + amort.) / op. prihod	0,932	0,981	1,022
Racio ekonomičnosti (ukupni prihodi / ukupni troš. i ras.)	1,061	1,016	1,001
Radni koeficijent (operativni troškovi / operativni prihod)	0,794	0,833	0,892
Troškovi zaposlenih po radniku	38,93	38,66	38,00
Proizvodnja po radniku	1,63	1,64	1,55
Učešće troškova i rashoda u ukupnom prihodu	94,24	98,45	99,95
Prosječan broj zaposlenih (stanje kraj mjeseca / 12)	4.441	4.466	4.530
Trošak proizvodnje / operativni prihod	36,1%	40,2%	36,2%
Trošak mat. i usluga održavanja / operativni prihod	2,4%	3,0%	2,1%
Trošak rada / operativni prihod	16,6%	17,1%	15,5%
Zavisni troškovi prodaje / operativni prihod	15,1%	14,4%	29,1%
Troškovi dažbina / operativni prihod	4,9%	4,9%	3,7%
Ostali troškovi / operativni prihod	4,2%	3,6%	2,7%

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

FINANSIJSKI POKAZATELJI USPJEŠNOSTI POSLOVANJA

INCOME STATEMENT FINANCIAL INDICATORS

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INCOME STATEMENT
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Table 9

INCOME STATEMENT FINANCIAL INDICATORS	2018 Realization	2018 Plan	2017 Realization
Electricity generation (GWh)	7,245.4	7,342.4	7,009.0
Operative revenues (thousands of BAM)	1,039,078.8	1,008,163.7	1,107,859.6
Revenues from sales of electricity and auxiliary services	997,217.5	963,899.3	1,065,700.5
Revenues from sales of by-products, materials and services	41,861.3	44,264.5	42,159.0
Cash operative costs (thousands of BAM)	824,744.9	839,501.2	988,711.9
- costs of materials for electricity generation and coal transport	375,189.7	405,696.6	400,711.3
- maintenance materials and services	25,378.6	30,431.4	22,814.2
- salaries and other operative costs	172,873.5	172,668.3	172,134.4
- dependent sales costs *	157,065.5	144,843.5	322,052.9
- charges	50,492.7	49,596.7	41,205.1
- other operative costs	43,745.0	36,264.7	29,794.0
EBITDA (thousands of BAM)	214,333.9	168,662.5	119,147.6
Revenues from donations (amortisation of donated funds)	6,969.5	7,568.0	7,309.1
Amortization (thousands of BAM)	150,257.6	157,050.9	150,916.7
EBIT (thousands of BAM)	71,045.7	19,179.7	-24,460.0
Operative coefficient (operative costs + amortisation) / operative revenues	0.932	0.981	1.022
Cost effectiveness ratio (total revenues / total costs and expenditures)	1.061	1.016	1.001
Operative coefficient (operative costs / operative revenues)	0.794	0.833	0.892
Costs of employees per employee	38.93	38.66	38.00
Generation per employee	1.63	1.64	1.55
Share of costs and expenditures in total revenues	94.24	98.45	99.95
Average number of employees (balance of end-month / 12)	4,441	4,466	4,530
Generation costs / operative revenues	36.1%	40.2%	36.2%
Costs of maintenance materials and services / operative revenues	2.4%	3.0%	2.1%
Operative costs / operative revenues	16.6%	17.1%	15.5%
Dependent sales costs / operative revenues	15.1%	14.4%	29.1%
Charges / operative revenues	4.9%	4.9%	3.7%
Other costs / operative revenues	4.2%	3.6%	2.7%

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

REALIZACIJA PLANA ULAGANJA

REALISATION OF THE INVESTMENT PLAN



U EPBiH ukupna investiciona ulaganja u 2018. godini iznose 58,2 miliona KM, što je manje za 85,4% u odnosu na plan (ne uključujući ulaganja u dokapitalizaciju zavisnih društava), odnosno manje za 10,9% u odnosu na realizaciju ulaganja u 2017. godini.

Glavni razlozi koji su onemogućili realizaciju plana ulaganja su:

- striktna primjena Zakona o javnim nabavkama, tako da su pojedini tenderski postupci ponavljani zbog nedovoljnog broja prijavljenih ponuđača,
- dugotrajni procesi obezbjeđivanja neophodnih dozvola i saglasnosti za realizaciju projekata.

Tokom 2018. godine na području distributivnih podružnica provodile su se redovne aktivnosti na izgradnji i rekonstrukciji elektrodistributivnih objekata u cilju stvaranja uslova za priključenje novih krajnjih korisnika na distributivnu mrežu i poboljšanja kvaliteta napajanja električnom energijom postojećih krajnjih korisnika.

U zavisna društva - rudnike uglja u toku 2018. godine uloženo je 13,6 mil. KM.

In EPBiH, total investments in 2018 amount to 58.2 million BAM, which is by 85.4% less than defined in the plan (excluding investments in recapitalization of dependent companies), i.e. by 10.9% less in comparison with investments realized in 2017.

The main reasons that have prevented the realization of the investment plan are:

- *strict application of the Law on Public Procurement, so that certain tender procedures were repeated due to insufficient number of bidders who submitted their bids,*
- *and lengthy processes of obtaining necessary permits and approvals for implementation of projects.*

In 2018, in the field of distribution subsidiaries, regular activities were carried out in the construction and reconstruction of electro-distributive facilities in order to create the conditions for connecting new end customers to the distribution network and to improve the quality of electricity supply of the existing end-customers.

In 2018, the total of 13.6 million BAM was invested in dependent companies - coal mines

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Tabela 10

Realizacija plana ulaganja
po podružnicama /
djelatnostima u 2018.
(U mil. KM)

NIVO ULAGANJA	Ostvareno 2017.	Plan za 2018.*	Ostvareno 2018.	Struktura unutar djelatnosti	U odnosu na ukupna ulaganja
DJELATNOST PROIZVODNJE					
TE „Tuzla“	8,8	10,7	3,9	44,8%	6,7%
TE „Kakanj“	3,7	3,0	2,6	29,9%	4,5%
HE na Neretvi	2,1	2,1	1,8	20,7%	3,1%
mHE	0,1	1,0	0,1	1,1%	0,2%
IKT za djel. Proizvodnje	0,0	0,7	0,3	3,4%	0,5%
Ukupno djelatnost Proizvodnje	14,7	17,5	8,7	100,0%	14,9%
DJELATNOST DISTRIBUCIJE					
ED Bihać	8,3	9,3	8,0	18,8%	13,7%
ED Mostar	4,2	5,0	5,0	11,8%	8,6%
ED Sarajevo	9,5	14,0	12,4	29,2%	21,3%
ED Tuzla	9,3	13,0	7,6	17,9%	13,1%
ED Zenica	12,2	14,4	8,7	20,5%	14,9%
IKT za djel. Distribucije	0,5	0,5	0,8	1,9%	1,4%
Ukupno djelatnost Distribucije	44,0	56,2	42,5	100,0%	73,0%
DJELATNOSTI SNABD. I TRG.					
Sve podružnice	0,2	1,7	0,02	9,1%	0,0%
IKT za djel. Snabd. i trg.	0,0	1,2	0,2	90,9%	0,3%
Ukupno djelatnosti Snabd. i trg.	0,2	2,9	0,2	100,0%	0,4%
ULAGANJA SA NIVOVA DRUŠTVA					
Ulaganja u kapitalne projekte	5,8	319,5	6,3	92,5%	10,8%
Zajednički projekti	0,2	0,9	0,01	0,1%	0,0%
IKT	0,4	2,8	0,5	7,3%	0,9%
Ukupno sa nivoa Društva	6,4	323,2	6,8	100,0%	11,7%
Ukupno ulaganje EPBiH	65,3	399,8	58,2	-	100,0%

*- prema Revidiranom planu 2018. - 2020. usvojenom 19. 7. 2018. godine

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Table 10

Realization of the
investment plan per
subsidiaries/
activities in 2018
(in million BAM)

INVESTMENT LEVEL	2017 Realization	Plan for 2018*	2018 Realization	Structure within activity	In comparison with total investments
PRODUCTION ACTIVITY					
TPP „Tuzla“	8.8	10.7	3.9	44.8%	6.7%
TPP „Kakanj“	3.7	3.0	2.6	29.9%	4.5%
HPPs on the Neretva River	2.1	2.1	1.8	20.7%	3.1%
Small HPPs	0.1	1.0	0.1	1.1%	0.2%
ICT for Generation activity	0.0	0.7	0.3	3.4%	0.5%
Total generation activity	14.7	17.5	8.7	100.0%	14.9%
DISTRIBUTION ACTIVITY					
ED Bihać	8.3	9.3	8.0	18.8%	13.7%
ED Mostar	4.2	5.0	5.0	11.8%	8.6%
ED Sarajevo	9.5	14.0	12.4	29.2%	21.3%
ED Tuzla	9.3	13.0	7.6	17.9%	13.1%
ED Zenica	12.2	14.4	8.7	20.5%	14.9%
ICT for Distribution activity	0.5	0.5	0.8	1.9%	1.4%
Total Distribution activity	44.0	56.2	42.5	100.0%	73.0%
SUPPLY AND TRADE ACTIVITY					
All Subsidiaries	0.2	1.7	0.02	9.1%	0.0%
ICT for Supply and Trade activity	0.0	1.2	0.2	90.9%	0.3%
Total Supply and Trade activity	0.2	2.9	0.2	100.0%	0.4%
INVESTMENTS FROM THE COMPANY LEVEL					
Investments in capital projects	5.8	319.5	6.3	92.5%	10.8%
Joint projects	0.2	0.9	0.01	0.1%	0.0%
ICT	0.4	2.8	0.5	7.3%	0.9%
Total from Company Level	6.4	323.2	6.8	100.0%	11.7%
Total investment of EPBiH	65.3	399.8	58.2	-	100.0%

*- according to the Revised Plan 2018 - 2020 adopted on 19 July 2018



Ulaganja u djelatnost Proizvodnje

Revidiranim planom poslovanja za djelatnost Proizvodnje za 2018. godinu predviđeno je ulaganje ukupno 17,5 miliona KM. Do kraja 2018. godine ukupno je realizirano 8,6 miliona KM ili 49,1% planiranih ulaganja.

Najznačajniji realizirani projekti investicionog i tekućeg održavanja u 2018. godini u djelatnosti Proizvodnje su:

- Remont Bloka 3, Bloka 4, Bloka 5 i Bloka 6 u TE „Tuzla“, te Bloka 5, Bloka 6 i Bloka 7 u TE „Kakanj“;
- Remont Agregata 1 u HE „Jablanica“;
- Remont Agregata 1 i Agregata 2 u HE „Grabovica“;
- Remont Agregata 1, Agregata 2 i Agregata 3 u HE „Salakovac“;
- Zamjena 6 KV postrojenja PR2A, PR2B, PR3A i PR3B i remont rastavljača i prekidača na 6 kV strani TM2 i TR3 u TE „Tuzla“;
- Nabavka opreme za ROST-ove u TE „Tuzla“;
- Sanacija upravljačkog sistema CS Modrac u TE „Tuzla“;
- Nabavka motora za buldožer CAT u TE „Tuzla“;
- Zamjena aktuatora na armaturama Bloka 4 u TE „Tuzla“;
- Nabavka i ugradnja inženjerske stanice sistema upravljanja na Bloku 5 u TE „Kakanj“;
- Nabavka i ugradnja dijelova gorionika ugljene prašine Bloka 6 u TE „Kakanj“;
- Nabavka dijelova za kotao Bloka 7 u TE „Kakanj“;
- Nabavka i ugradnja servomotora Bloka 7 u TE „Kakanj“;
- Nastavak uređenja deponije šljake i pepela - sanacija puknuća kolektora Slapničkog potoka u TE „Kakanj“;
- Nabavka novih analizatora za emisije stanice 300 m i zbirnog kanala blokova 5 i 6 u TE „Kakanj“;
- Sanacija predturbinskog zatvarača br. 6 u HE „Jablanica“;

- Zamjena vibrosistema agregata br. 6 u HE „Jablanica“;
- Zamjena NN provodnih izolatora na energetskom blok transformatoru 1 i 2 u pogonu HE „Grabovica“.

Sredstva nisu realizirana u punom obimu iz sljedećih razloga:

- od realizacije određenih planiranih investicionih projekata se odustalo nakon preispitivanja potrebe njihove realizacije, a sve radi obezbjeđivanja dodatnih sredstava za potrebe izgradnje novih proizvodnih objekata;
- odgađanje planiranog kapitalnog remonta Bloka 4 u TE „Tuzla“;
- minimalna ulaganja (koja omogućavaju 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;
- primjena Zakona o javnim nabavkama - nedovoljan broj ponuđača te prigovori i žalbe ponuđača.

Investments in Generation activities

The Revised Business Plan for the Generation activity for 2018 envisages total investments in the amount of 17.5 million BAM. As of end-2018, the total of 8,6 million BAM or 49.1% of planned investments were realized.

The most significant realized investment and current maintenance projects in 2018 in the Generation activity were:

- *Routine maintenance of Unit 3, Unit 4, Unit 5 and Unit 6 in TPP “Tuzla”, and Unit 5, Unit 6 and Unit 7 in TPP “Kakanj”;*
- *Routine maintenance of Power generator 1 in HPP “Jablanica”;*
- *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";
- Replacement of the 6 KV plant PR2A, PR2B, PR3A and PR3B, with routine maintenance of disconnector and switch on 6 kV side of TM2 and TR3 in TPP "Tuzla";
- Procurement of equipment for ROSTs in TPP "Tuzla";
- Rehabilitation of control system of CS Modrac in TPP "Tuzla";
- Procurement of CAT bulldozer engine in TPP "Tuzla";
- Replacement of actuators on the armature of Unit 4 in TPP "Tuzla";
- Procurement and installation of management system engineering station at Unit 5 in TPP "Kakanj";
- Procurement and installation of components of coal dust burner of Unit 6 in TPP "Kakanj";
- Procurement of components for boiler of Unit 7 in TPP "Kakanj";
- Procurement and installation of servomotor for Unit 7 in TPP "Kakanj";
- Continuation of slag and ash depot development - repair of the Slapnički potok collector breakdown in TPP "Kakanj";
- Procurement of new analysers for emission stations 300 m and collector channel of Unit 5 and 6 in TPP "Kakanj";
- Rehabilitation of turbine-inlet valve no. 6 in HPP "Jablanica";
- Replacement of vibrating system of power generator no. 6 in HPP "Jablanica";
- Replacement of LV conductive insulators on the power block transformer 1 and 2 in the HPP "Grabovica" plant.

The funds were not fully realized for the following reasons:

- The implementation of certain planned investment projects was abandoned after a review of the need for their implementation, all with the aim of ensuring additional funds for construction of new generation facilities;
- Postponement of planned capital overhaul of Unit 4 in TPP "Tuzla";
- Minimal investments (enabling safe and reliable operation) in generation units, which

will operate in the following period with reduced number of hours in accordance with the applicable planning documents (NERP),

- Certain projects are 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.

Ulaganja u djelatnost Distribucije

Revidiranim planom ulaganja u djelatnost Distribucije za 2018. godinu predviđena su ukupna investiciona ulaganja u iznosu 56,2 miliona KM, od čega se na projekte iz distributivne djelatnosti odnosi 55,7 miliona KM, a za systemske IKT projekte predviđen je iznos 0,5 miliona KM. Tokom 2018. godine ostvaren je nivo investicionih ulaganja u projekte djelatnosti Distribucije u iznosu 42,2 miliona KM, što je 75,1 % u odnosu na Revidirani plan ulaganja za 2018. godinu i 95,9% u odnosu na realizaciju investicija u 2017. godini.

Uzroci nepotpune realizacije plana ulaganja su sljedeći:

- dugotrajna i kompleksna procedura obezbjeđivanja neophodnih dozvola i saglasnosti za realizaciju investicionih projekata;
- kompleksna procedura rješavanja imovinsko-pravnih odnosa iz razloga neažurnih zemljišnih knjiga, koje su neusaglašene sa katastrom;
- dugotrajna i kompleksna procedura nabavki roba / radova / usluga;
- kredit Evropske investicione banke za proširenje AMM sistema nije postao operativan.

Pregled najznačajnijih projekata koji su realizirani u 2018. godini:

- izvršena izgradnja 68 TS 10(20)/0,4 kV i izgradnja distributivne mreže u dužini 678,8 km, od toga 71,2 km srednjonaponske

- distributivne mreže i 607,6 km niskonaponske distributivne mreže;
- izvršena rekonstrukcija 31 TS 10(20)/0,4 kV i rekonstrukcija distributivne mreže u dužini 110,4 km, od toga 23,9 km sredjonaponske distributivne mreže i 86,5 km niskonaponske distributivne mreže;
 - na elektrodistributivnu mrežu priključeno je 10.910 novih krajnjih kupaca, od čega 9.098 krajnjih kupaca iz kategorije domaćinstava, 1.790 krajnjih kupaca iz kategorije ostala potrošnja na niskom naponu i 22 krajnja kupca priključena na sredjonaponsku 10 (20) kV distributivnu mrežu;
 - u sistem AMM je uvedeno 1.735 mjernih mjesta;
 - izvršena sanacija 66.163 obračunskih mjernih mjesta.

Realizacija zajedničkih projekata

Realizirane su planirane aktivnosti na implementaciji Projekta SCADA/DMS/OMS i pripadajućih telekomunikacija na distributivnom nivou, koji se realizira iz kreditnih sredstava i sredstava granta Njemačke razvojne banke i dijelom iz vlastitih sredstava EPBiH. Realizacija Projekta je počela 30. 3. 2016. godine.

Investments in Distribution activities

The 2018 Revised Distribution Activities Investment Plan envisages total investment in the amount of 56.2 million BAM, of which 55.7 million BAM pertains to projects related to distribution activities, and 0.5 million BAM pertains to system ICT projects.

During 2018, the realised investments in the Distribution activity projects amounted to 42.2 million BAM, which is 75.1% in comparison with the Revised Investment Plan for 2018, and 95.9% compared to the realization of the investments in 2017.

The reasons of incomplete realization of the investment plan are as follows:

- a long-lasting and complex procedure of obtaining necessary permits and approvals for implementation of investment projects;
- a complex procedure of solving property-legal relations due to lack of up-to-date land registers, which are incompatible with cadastre;
- a long-term and complex procedure for procurement of goods / works / services;

- The European Investment Bank's loan for extension of the AMM system did not become operational.

Overview of the most significant projects implemented in 2018:

- Construction of 68 TS 10(20)/0.4 kV and construction of a 678.8 km long distribution network, of which 71.2 km of medium-voltage distribution network and 607.6 km of low-voltage distribution network;
- Reconstruction of 31 TS 10(20)/0.4 kV and reconstruction of a 110.4 km long distribution network, of which 23.9 km of medium-voltage distribution network and 86.5 km of low-voltage distribution network;
- 10,910 new end-customers were connected to the power distribution grid, of which 9,098 end-customers in household category, 1,790 end-customers in other category to low-voltage, and 22 end-customers connected to the medium-voltage 10(20) kV distribution network;
- 1,735 electronic meters were introduced into the AMM system;
- 66,163 calculation metering points were repaired.

Implementation of joint projects

Implemented activities in implementation of the SCADA/DMS/OMS Project and associated telecommunications at the distribution level, which is implemented from the loan funds and grant funds of the German Development Bank and partly from the own resources of the EPBiH. Implementation of the Project started on 30 March 2016.

Ulaganja u djelatnost Snabdijevanja

Planom ulaganja u djelatnost Snabdijevanja za 2018. godinu planirana su ukupna investiciona ulaganja u iznosu 2,9 miliona KM, od čega se na projekte iz djelatnosti Snabdijevanja odnosi 1,7 miliona KM, a na sistemske IKT projekte iz ove djelatnosti 1,2 miliona KM.

Tokom 2018. godine ostvaren je nivo investicionih ulaganja na projekte iz djelatnosti Snabdijevanja u iznosu 24,7 hiljada KM, što je 1,2% u odnosu na planom predviđena sredstva namijenjena za projekte iz djelatnosti Snabdijevanja, dok je za sistemske IKT projekte iz ove djelatnosti realizirano 146 hiljada KM ulaganja.

Investments in Supply activities

In 2018, in the Supply Activity Investment Plan, the total planned investments was in the amount of 2.9 million BAM, of which 1.7 million BAM pertain to the projects in the Supply activity, and 1.2 million BAM to the system ICT projects in this activity.

In 2018, the achieved investments in projects in the Supply activity amounted to 24.7 thousand BAM, which is 1.2% of the planned funds for the projects of the Supply activity, while the realised investments for the system ICT projects of this activity amounted to 146 thousand BAM.

Realizacija plana ulaganja sa nivoa Društva *Realization of the investment plan from the Company level*

Kapitalne investicije

U toku 2018. godine kapitalna ulaganja su realizirana u iznosu 6,3 miliona KM od planiranih 385,3 miliona KM. Realizirane aktivnosti su se odnosile na pripremne radove za izgradnju HE „Vranduk“, pripremu izgradnje termoelektrana, hidroelektrana i malih elektrana iz obnovljivih i alternativnih izvora energije, a obuhvatale su: izvođenje radova, investitorski nadzor, izradu investiciono-tehničke dokumentacije, ispitivanja i istraživanja, pribavljanje potrebnih dozvola i saglasnosti, vođenje postupaka za eksproprijacije nekretnina, zatvaranje finansijske konstrukcije, pripremu tenderske dokumentacije za izbor isporučilaca opreme te izvođača za usluge i radove.

Capital investments

In 2018, realized capital investments amounted to 6.3 million BAM from planned 385.3 million BAM.

The realized activities were related to preparatory works for the construction of HPP "Vranduk", preparation of construction of thermal power plants, hydro power plants and small power plants from renewable and alternative energy sources, and included: construction work, investment supervision, preparation of investment-technical documents, obtaining necessary permits and approvals, conducting procedures for real estate expropriation, finalisation of financial structure, preparation of tender documents for selection of equipment suppliers and contractors for services and works.





Blok 7 - 450 MW u TE „Tuzla“

EPBiH je završila svu investiciono-tehničku dokumentaciju i dobila sve dozvole osim Energetske dozvole. Federalno ministarstvo energije, rudarstva i industrije je dobilo saglasnost Parlamenta FBiH i u toku je izdavanje Energetske dozvole.

EPBiH je potpisala Ugovor EPC, Sporazum o projektnoj saradnji, Sporazum o kreditu i parafirala Sporazum o projektnom partnerstvu u svrhu realizacije Projekta “Izgradnja bloka 7 – 450 MW TE ‘Tuzla’”.

Uslov za efektivnost parafiranih i potpisanih dokumenata je odobrenje Parlamenta FBiH.

Vlada Federacije BiH, Dom naroda Parlamenta Federacije BiH, Predstavnički dom Parlamenta Federacije BiH su dali saglasnost za izbor projektnog partnera, Ugovor o inženjeringu, nabavci i izgradnji (Ugovor EPC), Sporazum o projektnom partnerstvu i Prethodnu saglasnost Federalnom ministarstvu energije, rudarstva i industrije za izdavanje Energetske dozvole.

Vlada Federacije BiH i Predstavnički dom Parlamenta Federacije BiH su dali saglasnost na Sporazum o kreditnoj liniji, *nedostaje saglasnost Doma naroda Parlamenta Federacije BiH*.

Vijeće za državnu pomoć je utvrdilo da državna pomoć sadržana u Zahtjevu za odobrenje državne pomoći u obliku garancije korisniku JP Elektroprivreda BiH d.d. – Sarajevo za kreditno zaduženje u svrhu realizacije Projekta “Izgradnja bloka 7 – 450 MW TE ‘Tuzla’” ne predstavlja državnu pomoć u smislu Zakona o sistemu državne pomoći u Bosni i Hercegovini.

Vlada Federacije BiH je donijela Odluku o izdavanju garancije Federacije

BiH u korist Izvozno-uvozne *banke Kine* za kreditno zaduženje JP EPBiH. Odobrenje Odluke je dao Predstavnički dom Parlamenta Federacije BiH. *Nedostaje odobrenje Odluke od Doma naroda Parlamenta Federacije BiH*.

Skupština EPBiH je donijela odluke o davanju saglasnosti na izbor projektnog partnera, o investicionom ulaganju, o zaduženju kod Izvozno-uvozne banke Kine, o prihvatanju garancije Federacije BiH za osiguranje kredita Izvozno-uvozne banke Kine za realizaciju Projekta izgradnje Bloka 7 – 450 MW u TE „Tuzla“.

Unit 7 - 450 MW in TPP „Tuzla“

EPBiH completed all investment-technical documents and obtained all permits other than the Energy Permit. The Federal Ministry of Energy, Mining and Industry received the approval of the FBiH Parliament and issuing of Energy License is pending.

EPBiH signed the EPC Contract, the Project Cooperation Agreement, the Loan Agreement and initialled the Project Partnership Agreement for the purpose of implementation of the Project “Construction of Unit 7 - 450 MW TPP ‘Tuzla’”.

The requirement for the effectiveness of the initialled and signed documents is the approval of the FBiH Parliament.

The Government of the Federation of Bosnia and Herzegovina, the House of Peoples of the Federation of BiH Parliament, the House of Representatives of the Federation of BiH Parliament, have given their consent to the selection of the Project Partner, the Contract on Engineering, Procurement and Construction (EPC Agreement), the Project Partnership Agreement and the Preliminary Approval to the Federal Ministry of Energy, Mining and Industry for issuing the Energy Permit.

The Government of the Federation of BiH and the House of Representatives of the Federation of BiH Parliament have given their consent to the Credit Facility Agreement, and the approval of the House of Peoples of the Federation of BiH Parliament is still lacking.



The State Aid Council has determined that state aid contained in the Application for State Aid in the form of guarantee to the beneficiary JP Elektroprivreda BiH d.d. - Sarajevo for cred borrowing for the purpose of realization of the Project "Construction of Unit 7 - 450 MW TPP 'Tuzla'" does not represent state aid in the sense of the Law on State Aid System in Bosnia and Herzegovina.

The Government of the Federation of BiH has adopted a Decision to issue a guarantee of FBiH in favour of Export-Import Bank of China for the borrowing of JP EPBiH. The Decision was approved by the House of Representatives of the Federation of BiH Parliament. The Decision of the House of Peoples of the of the Federation of BiH Parliament is still lacking

The Assembly of EPBiH has adopted decisions on granting consent to the selection of project partner, investment, borrowing from the Export-Import Bank of China, acceptance of the Federation BiH's guarantee for securing loan from the Export-Import Bank of China for the implementation of the Project Construction of Unit 7 - 450 MW in TPP "Tuzla".

Blok 8 - 300 MW u TE „Kakanj

Na osnovu projektnog zadatka pripremljena je tenderska dokumentacija za izbor projektanta za inoviranje Investiciono-tehničke i okolišne dokumentacije (rađene 2010. godine). Inovirana dokumentacija treba da sadrži sve potrebne elemente koji omogućavaju izgradnju Bloka 8 u skladu sa najboljim raspoloživim tehnikama za postrojenja za sagorijevanje – LCP BAT (Best Available Techniques), kao i u skladu sa dijelom Direktive 2010/75/EU o industrijskim emisijama (IED) koji se odnosi na postrojenja za sagorijevanje (Poglavlje III, Aneks V).

U 2018. godini dva puta je objavljen javni poziv za dostavljanje ponuda za inoviranje Idejnog projekta. Zaprimljena je jedna ponuda, koja nije zadovoljila tenderske zahtjeve, te je postupak poništen.

Unit 8 - 300 MW in TPP „Kakanj“

Based on the Terms of Reference, tender documents were prepared for the selection of the designer for the innovation of the investment-technical and environmental documents (prepared in 2010). Innovated documents should contain all the necessary elements that enable the construction of Unit 8 in accordance with the Best Available Techniques for Combustion Plants - LCP BAT and in accordance with part of the Industrial Emissions Directive 2010/75/EU (IED) that refers to combustion plants (Chapter III, Annex V).

In 2018, a public call for tenders for innovating the Preliminary Design was published twice. One bid was received that did not meet the tender specifications and the procedure was cancelled.

Vrelovod za snabdijevanje toplotnom energijom iz TE „Kakanj“ područja do/i Sarajeva

Potpisan je Sporazum o sufinansiranju izrade Idejnog projekta sa Fondom za zaštitu okoliša FBiH.

Nakon provedenog postupka javne nabavke, 24. 10. 2018. godine potpisan je Ugovor sa konzorcijem ponuđača. Prvi sastanak imenovanog Stručnog tima za praćenje realizacije ovog ugovora i predstavnika konzorcija održan je 8. 11. 2018. godine.

Urađen je i dostavljen Početni izvještaj, kao ugovorna obaveza izvršioca usluge izrade dokumentacije, koji je usvojen 27. 12. 2018. godine.

Hot-water pipeline for heating energy supply of Area to/including Sarajevo from TPP "Kakanj"

The Agreement on Co-financing of the Preliminary Design was signed with the FBiH Environmental Protection Fund.

After the public procurement procedure was completed, on 24 October 2018, Contract was signed with the consortium of bidders. The first meeting of the appointed Expert Team for monitoring the implementation of this Contract and the Consortium representatives was held on 8 November 2018.

An Initial Report was prepared and submitted, as a contractual obligation of the contractor of the document preparation service, which was adopted on 27 December 2018.

Izgradnja Hidroelektrane „Vranduk“

Nakon prekida ugovora u junu 2017. godine daljnje aktivnosti na realizaciji Projekta odvijale su se po osnovu intencije investitora i člana konzorcija joint venture (JV) za reafirmaciju i nastavak projekta baziranog na postojećem ugovoru o izgradnji, a prema prijedlogu koncipiranom u principijelno usaglašenom sporazumu o nastavku, uz paralelnu zaštitu interesa EPBiH na ICC međunarodnom tribunalu. Pregovori sa ugovaračem u vezi sa sporazumom o nastavku projekta kao i komunikacija sa bankama EBRD i EIB o opciji nastavka ugovora trajali su tokom cijele 2018. godine. Krajem maja 2018. godine dobijena je saglasnost EBRD-a o nastavku ugovora sa inoviranim konzorcijem. Početkom jula 2018. godine zaključen je sporazum sa originalnim konzorcijem, kao i ugovor - faza 2 sa inoviranim konzorcijem o nastavku realizacije radova po ugovoru. Efektivnost sporazuma i ugovora - faza 2 bila je uslovljena saglasnošću banke su kreditora EIB koja se iščekivala cijelu drugu polovinu 2018. godine, uz otežanu komunikaciju sa EIB-om koji je u periodu septembar - novembar 2018. godine, iz nepoznatih razloga, potpuno obustavio komunikaciju sa EPBiH. Početkom decembra 2018. godine EIB je donio odluku da ne može podržati nastavak realizacije radova sa inoviranim JV, zbog čega sporazum o nastavku projekta nije stupio na snagu, a čime su strane vraćene u proces raskida ugovora.

Od sredine decembra 2018. godine reaktiviran je arbitražni proces, jer sporazumno razrješenje i nastavak radova nisu stupili na snagu. U martu i aprilu 2018. godine vršeni su radovi po nalogu vodnog inspektora (postupanje prema rješenju Federalne uprave za inspekcijske poslove) - Hitna primarna zaštita desne obale rijeke Bosne od erozije koja se desila zbog lokalnog ubrzanja matice rijeke u uslovima povišenih proljetnih vodostaja i prisustva zagata brane u koritu rijeke. U periodu maj - novembar 2018. godine obezbijeđene su sve potrebne dozvole kod Vodne agencije i FMPU za trajnu sanaciju oštećenog pojasa desne obale u Novom Vranduku, te su radovi na trajnoj sanaciji / uređenju desne obale počeli u decembru 2018. godine.

Construction of Hydro power plant “Vranduk”

Following the termination of the contract in June 2017, further activities on the implementation of the Project were carried out on the basis of the intention of the investor and member of the consortium joint venture (JV) for re-affirmation and continuation of the project based on the existing construction contract and according to the proposal conceived in the principally agreed agreement on the continuation, with the parallel protection of EPBiH's interest in the ICC International Tribunal. Negotiations with the contractor regarding the agreement on continuation of the project, as well as the communication with the EBRD and EIB banks on the option to continue the contract lasted throughout 2018. At the end of May 2018, the EBRD's agreement on the continuation of the contract with an Innovated Consortium was obtained. At the beginning of July 2018, an agreement was reached with the original consortium, as well as the contract - phase 2 with the innovated consortium on the continuation of the realization of works under the contract. The effectiveness of the agreement and the contract - phase

2 was conditioned by the agreement of the co-creditor bank EIB that was expected for the whole second half of 2018, with the complicated communication with the EIB, which in the period September - November 2018, for unknown reasons, completely ceased communication with EPBIH. At the beginning of December 2018, the EIB made the decision not to support the continuation of the realization of works with the innovated JV, which means that the agreement on the continuation of the project did not come into force and the parties were returned to the process of termination of the contract. From mid-December 2018, the arbitration process was reactivated because the amicable agreement and the continuation of the works had not entered into force. In March and April 2018, works were carried out on the order of the water inspector (acting according to the resolution of the Federal Administration for Inspection Affairs) - Emergency primary protection of the right bank of the Bosna river from the erosion that occurred due to local acceleration of the river main current under conditions of elevated spring water levels and the presence of cofferdam in the river bed. In May - November 2018, all necessary permits were obtained from the Water Agency and the FMPU for the permanent rehabilitation of the damaged right bank belt in Novi Vranduk, and works on permanent rehabilitation / development of the right bank began in December 2018.

HE „Janjići” - 15,75 MW na rijeci Bosni, Grad Zenica

Podnesen je zahtjev za proglašenje javnog interesa za potrebe eksproprijacije nekretnina za potrebe izgradnje HE, gradskim službama Grada Zenice. Provedeni su pregovori sa KfW bankom i utvrđen model za nastavak realizacije projekta. Urađen je i revidiran Elaborat tehničkog rješenja priključka HE „Janjići” na prijenosnu mrežu na osnovu čega su ispunjeni uslovi za priključak.

HPP “Janjići” - 15.75 MW on the Bosna river, City of Zenica

A request for proclaiming the public interest for expropriation of real estates for the purpose of construction of HPP was submitted to the services of the City of Zenica. Negotiations with KfW Bank were carried out and a model for continuation of project implementation was established. The Elaborate of technical solution of connection of HPP “Janjići” to the transmission network was prepared and implemented, on the basis of which the conditions for connection were met.

HE „Kruševo” - 10,69 MW- na rijeci Bioštici, Općina Olovo

U skladu sa zaključcima, a na osnovu podataka dobijenih nakon urađenih analiza da projekt, pri zadatim ulaznim parametrima, nije održiv, a svako daljnje investiranje nije opravdano, 31. 10. 2018. godine donesena je Odluka o prestanku važenja Odluke za finansiranje prethodnih i pripremnih aktivnosti za izradu i reviziju investiciono-tehničke dokumentacije nivoa Idejnog projekta za izgradnju HE „Kruševo” sa HE „Zeleni vir”, od 27. 5. 2010. godine.

HPP “Kruševo” - 10.69 MW- on the Bioštica River, Municipality of Olovo

According to the conclusions, and based on the data obtained after the analyses carried out, that the project with given input parameters is not sustainable and no further investment is justified, on 31 October 2018, the Decision was made on the termination of validity of the Decision for financing the preliminary and preparatory activities for development and revision of investment-technical documentation of the level of the Preliminary Design for the construction of HPP “Kruševo” with HPP “Zeleni Vir”, dated 27 May 2010.

HE „Una Kostela“, nastavak rekonstrukcije i proširenje - 13,7 MW na rijeci Uni, Bihać

- okončana realizacija izrade Elaborata o istražnim radovima o ekološki prihvatljivom protoku rijeke Une na profilu HE „Una Kostela“;
- razriješeno pitanje vodnih akata sticanjem pravosnažnog Rješenja o prethodnoj vodnoj saglasnosti za nastavak rekonstrukcije i proširenje;
- podnesen Zahtjev za izdavanje urbanističke saglasnosti za projekt nastavka rekonstrukcije i proširenje HE „Una Kostela“ na rijeci Uni u Bihaću;
- ispitivanja i istraživanja za narednu fazu projektiranja:
 - izrada Elaborata „Analiza mjernih vrijednosti podataka o radu HE ‘Una Kostela’“;
 - izrada modela i provođenje hidrauličkih modelskih ispitivanja za ulaznu građevinu i prag u koritu rijeke za HE „Una Kostela“ – rekonstrukcije i proširenje.

HPP „Una Kostela“, continuation of reconstruction and extension - 13.7 MW on the Una River, Bihać

- *Completed Elaborate on survey works on environmentally acceptable flow of the Una River on the profile of HPP “Una Kostela”;*
- *Resolved issue of water management documents by acquiring a valid Resolution on preliminary water approval for the continuation of reconstruction and extension;*
- *Submitted Request for urban planning approval for the project of continuation of reconstruction and extension of the HPP “Una Kostela” on the Una River in Bihać;*
- *testing and research for the next design phase:*
 - *preparation of Elaborate “Analysis of measurement data values on the operation of HPP ‘Una Kostela’”;*
 - *Modelling and implementation of hydraulic model tests for the intake structure and threshold in the river bed for HPP “Una Kostela” - reconstruction and extension.*

HE „Ustikolina“ - 60,48 MW na rijeci Drini, Općina Foča-Ustikolina i Grad Goražde

- upućeno Pismo namjere Skupštini Bosansko-podrinjskog kantona Goražde, Vladi Bosansko-podrinjskog kantona Goražde, Gradu Goraždu i Općini Foča–Ustikolina, za realizaciju Projekta.

HPP “Ustikolina” - 60.48 MW on the Drina River, Municipality Foča-Ustikolina and the Town of Goražde

- *Letter of intent related to the implementation of the Project was submitted to the Assembly of Bosnia-Podrinje Canton Goražde, to the Government of Bosnia-Podrinje Canton Goražde, to the Town of Goražde and to the Municipality Foča-Ustikolina.*

HE „Kovanići“ - 9,1 MW na rijeci Bosni, Grad Zenica i Općina Žepče

- urađena Studija ekonomske opravdanosti i podnesen zahtjev za koncesiju;
- potpisani ugovori za izradu i reviziju Idejnog projekta – rok za izradu septembar 2019. godine;
- u toku je obnovljeni postupak za nabavku usluga izrade Studije utjecaja na okoliš;
- izrada idejnog projekta je u mirovanju zbog aktivnosti koje je poduzela KfW banka, u cilju izrade studije izvodljivosti novog koncepta tehničkog rješenja za HE „Kovanići“.

HPP “Kovanići” - 9.1 MW on the Bosna river, City of Zenica and Municipality of Žepče

- *Economic Justification Study was prepared and the request for concession was submitted;*
- *Signed contracts for preparation and revision of the Preliminary Design - deadline for preparation is September 2019;*
- *The service procurement procedure for preparing Environmental Impact Study Service has been renewed;*
- *Preparation of Preliminary Design is at a standstill due to the activities undertaken by KfW Bank, with the aim of making a feasibility study of the new concept of technical solution for HPP “Kovanići”.*

HE „Babino Selo“ – 6,17 MW na rijeci Vrbas, Općina Donji Vakuf

- urađena radna verzija Studije izvodljivosti HE „Babino Selo“;
- urađena finalna verzija dokumenta „Procjena kritičnih staništa“ koji ima za cilj utvrđivanje prisustva ribe „mladice“ kao zaštićene vrste u rijeci Vrbas; budući da EBRD nije prihvatio Izvještaj o procjeni kritičnih staništa, koji je konsultant za izradu Studije utjecaja na okoliš uradio za I i II fazu istraživanja, EBRD koji finansira ovaj projekt na grant osnovi je angažovao drugog konsultanta koji je ponovio istraživanja za „Procjenu kritičnih staništa“ i pripremio izvještaj.

HPP „Babino Selo“ - 6.17 MW on the Vrbas River, Municipality of Donji Vakuf

- *Prepared working version of the Feasibility Study for HPP „Babino Selo“;*
- *Final version of the document „Critical Habitats Assessment“ was prepared with the aim of identifying the presence of the fish „huchen“ as protected species in the Vrbas River; since the EBRD did not accept the Critical Habitat Assessment Report, prepared by consultant for the Environmental Impact Study for Phase I and Phase II of study, the EBRD, which funded this project on a grant basis, engaged another consultant who repeated the study for „Critical Habitats Assessment“ and prepared the report.*

SHE na gornjem toku rijeke Neretve: HE „Glavatičevo“, HE „Bjelimići“ i PHE „Bjelimići“

- podnesen Prijedlog za dodjelu koncesije za Sistem hidroelektrana na gornjem toku rijeke Neretve, putem samoinicijativne ponude.

Small HPPs in the upper flow of the Neretva River:

HPP „Glavatičevo“, HPP „Bjelimići“ and PHPP „Bjelimići“

- *Proposal for concession for the Hydro Power Plants System in the upper flow of the Neretva River through uninvited tender was submitted.*

Priprema i izgradnja MHE „Kakanj“ na slivu rijeke Bosne

- raspisan obnovljeni postupak za nabavku usluge izrade Idejnog projekta za MHE „Kakanj“ je poništen, budući da dostavljene ponude

nisu zadovoljile tenderske zahtjeve;

- ponovo raspisan javni poziv za nabavku usluge izrade Idejnog projekta MHE „Kakanj“.

Preparation and construction of small HPP „Kakanj“ on the Bosna River watershed

- *The published re-initiated procedure for procurement of services of preparation of the Preliminary Design for SHPP „Kakanj“ was cancelled since the submitted bids did not meet the tender specifications;*
- *Public call for procurement of services of preparation of the Preliminary Design for SHPP „Kakanj“ has been re-initiated.*

MHE na slivu rijeke Neretvice - priprema i izgradnja

- završena revizija glavnih projekata IB faze;
- završena evaluacija i odabran izvođač za građevinske radove i cjevovod za IA fazu;
- čeka se odgovor Ureda za žalbe na izbor izvođača u vezi sa obnovljenim tenderom za opremu IA faza;
- EBRD-u dostavljena dokumentacija i podaci za eventualno odobravanje kreditnih sredstava, EBRD nije spreman za kreditiranje projekta;
- ishodovano pravosnažno odobrenje za građenje za IA fazu mHE „Srijanski most“ i mHE „Gorovnik ušće“.

SHPP on the Neretvica River water shed- preparation and construction

- *Main Design review for IB Phase was completed;*
- *Completed evaluation and selected contractor for construction works and pipeline for IA Phase;*
- *The Procurement Review Board's response to the selection of Contractor regarding the re-initiated tender for equipment of the IA Phase is pending;*
- *EBRD was provided with documents and data for possible loan approval, EBRD is not ready to extend loan for project;*
- *Obtained valid building permit for the IA Phase of SHPP „Srijanski most“ and SHPP „Gorovnik ušće“.*

Priprema i izgradnja Vjetroelektrane „Podveležje 1“, Grad Mostar

LOT 1 (15 vjetroagregata sa temeljima)

- imenovana komisija u ime EPBiH za evaluaciju prispjelih ponuda i ugovaranje za komponentu LOT 1 projekta potpisala je 12. 10. 2018. godine sa prvorangiranim ponuđačem zapisnik o završenim pregovorima oko teksta ugovora za isporuku opreme, izgradnju i puštanje u pogon 15 vjetroagregata ukupne instalirane snage 48 MW (u daljnjem tekstu: TSA ugovor), te teksta ugovora o petogodišnjem održavanju 15 vjetroagregata ukupne instalirane snage 48MW, nakon puštanja u pogon (u daljnjem tekstu: LTSA ugovor).

LOT 2 (trafostanica 110/30kV i 30kV kablovska i fiberoptička mreža)

- ugovor sa odabranim izvođačem zaključen 10. 1. 2018. godine; rokovi po ovom ugovoru teku od 31. 1. 2018. godine, a krajnji rok za završetak svih obaveza po ovom ugovoru je 610 dana;
- u decembru 2018. godine započelo je izvođenje radova na platou trafostanice 110/30kV.

LOT 3 (pristupni putevi, servisne saobraćajnice i montažni platoi za kranove)

- izgradnja pristupnih puteva, servisnih saobraćajnica i montažnih platoa za kranove je završena 20. 8. 2018. godine;
- Ministarstvu građenja i prostornog uređenja podnesen zahtjev za izdavanje upotrebne dozvole;
- tehnički pregled je izvršen 15. 10. 2018. godine;
- ukupan nivo finansijske realizacije na projektu (Lot 3) prema okončanoj situaciji iznosi 4.488.416,91 KM, što je 99,99 % ugovorene vrijednosti.

110kV priključak na prijenosnu mrežu

Izgradnja priključka na prijenosnu 110kV mrežu je u nadležnosti Elektroprijenosa BiH. EPBiH je sa kompanijom Elektroprijenos BiH potpisala Ugovor za izgradnju priključka u augustu 2016. godine, na osnovu kojeg je provedena tenderska procedura i izabran izvođač radova. Glavni projekt priključnog dalekovoda je urađen i revidiran.

U toku je procedura rješavanja imovinsko-pravnih odnosa na trasi predmetnog dalekovoda.

Program i ugovor o međusobnoj saradnji sa lokalnom zajednicom

U skladu sa zaključenim Ugovorom o međusobnoj saradnji sa Gradom Mostarom od 9. 5. 2016. godine, radovi na rekonstrukciji postojeće lokalne saobraćajnice L 13 u dužini cca 2,5 km na istočnom ulazu u projektno područje VE „Podveležje“ (nadležnost Grada Mostara) završeni su u septembru 2018. godine.

Zahtjevi KfW banke u vezi sa ispunjavanjem internacionalnih standarda po okolišnim i socijalnim pitanjima u okviru realizacije projekta

- u skladu sa zaključenim Amandmanom 2 od 2. 2. 2017. godine, te Amandmanom 4 od 18. 12. 2017. godine na postojeći ugovor EPBiH sa konsultantom, a koji se finansiraju iz grant sredstava KfW banke, konsultant je u oktobru 2018. godine dostavio konačnu verziju Studije utjecaja na okoliš i lokalnu zajednicu za VE „Podveležje 1“ (“Environmental and Social Impact Assessment” - revizija 5), u okviru koje su uzete u obzir primjedbe KfW banke.

Status ishodovanih saglasnosti potrebnih za realizaciju projekta

- nova okolišna dozvola za VE „Podveležje“ izdata 12. 9. 2018. godine, a postala pravosnažna 3. 12. 2018. godine;
- u toku procedura produženja načelnog odobrenja za građenje za VE „Podveležje“ za još dvije godine, a koja se provodi u Ministarstvu građenja i prostornog uređenja HNK;
- dana 4. 10. 2018. godine Ministarstvu privrede HNK upućen zahtjev za zaključivanje Aneksa 6 na ugovor o koncesiji za VE „Podveležje 1“, zajedno s novim prijedlogom Termin plana Projekta.

Nadzorni odbor EPBiH donio je Odluku o izmjeni Odluke o investicionom ulaganju u izgradnju VE „Podveležje 1“, Mostar - 15 vjetroagregata na mikrolokaciji Mali Grad i Sveta Gora, prema kojoj je novi rok za realizaciju investicionog ulaganja 31. 12. 2021. godine.

Preparation and construction of the Wind Power Plant "Podveležje 1", the City of Mostar

LOT 1 (15 wind power generators with foundations)

- Appointed commission on behalf of EPBiH for evaluation of submitted tenders and contracting for component LOT 1 of the project, on 12 October 2018 signed with the first-ranked bidder the minutes on completed negotiations on text of contract for the supply of equipment, construction and commissioning of 15 wind power generators of the total installed capacity 48 MW (hereinafter: TSA Contract), and text of contract on five-year maintenance for 15 wind power generators of the total installed capacity of 48MW, after its commissioning (hereinafter: LTSA contract).

LOT 2 (transformer substation 110/30kV and 30kV cable and fibre optic networks)

- Contract with the selected contractor concluded on 10 January 2018; the deadlines for this contract run from 31 January 2018, and the final deadline for completing all obligations under this contract is 610 days;
- In December 2018, construction works on the 110/30kV transformer substation plateau started.

LOT 3 (access roads, service roads and crane platforms)

- Construction of access roads, service roads and crane platforms was completed on 20 August 2018;
- The Ministry of Construction and Physical Planning was submitted a request for the issuance of a use permit;
- The technical inspection was carried out on 15 October 2018;
- The total level of financial realization on the project (Lot 3) according to the completed payment certificate amounts to 4.488.416,91 BAM, which is 99.99% of contracted value.

110kV connection to the transmission network

Construction of the connection to the 110kV transmission network is under the responsibility of Elektroprijenos BiH. EPBiH signed with Elektroprijenos BiH a contract for the construction of the connection in August 2016, on the basis of which the tender procedure was conducted and the contractor was selected. The Main Design of the connecting overhead line was developed and revised. The process of solving property and legal relations on the route of the relevant transmission line is underway.

Program and agreement on mutual cooperation with the local community

Pursuant to the concluded Agreement on mutual cooperation with the City of Mostar of 9 May 2016, the works on the reconstruction of the existing local road L 13 of the approximate length of 2,5 km on the eastern entrance to the project area of WF "Podveležje" (jurisdiction of the City of Mostar) were completed in September 2018.

KfW Bank's requirements regarding the fulfilment of international standards on environmental and social issues within project implementation

- In accordance with the concluded Amendment 2 of 2 February 2017 and Amendment 4 of 18 December 2017 to the existing contract between EPBiH and Consultant, which are funded from the KfW Bank's grant funds, in October 2018 the Consultant submitted the final version of "Environmental and Social Impact Assessment" for WF „Podveležje 1" ("ESIA", Revision 5), which had taken into account the KfW Bank's comments.

Status of the obtained approvals required for project implementation

- New environmental permit for WF "Podveležje" issued on 12 September 2018 and became final on 3 December 2018;
- The procedure for extension of the approval in principle for construction of WF "Podveležje" for two more years, carried out with the Ministry of Construction and Physical Planning of the HNK, is ongoing;
- On 4 October 2018, a request for the conclusion of Annex 6 to the Concession Contract for WF "Podveležje 1" was submitted to the Ministry of Economy of the HNK, together with the new proposal for the Project Schedule.

The Supervisory Board of EPBiH issued a Decision on Amendments to the Decision on Investment in Construction of WF "Podveležje 1", Mostar - 15 wind power generators on the micro-location of Mali Grad and Sveta Gora, according to which a new deadline for realization of investment is 31 December 2021.

Informaciono-komunikacione tehnologije - IKT

U 2018. godini u realizaciju investicionih projekata iz oblasti IKT uloženo je 1,8 miliona KM za zajedničke projekte i projekte djelatnosti.

Information and Communication Technologies - ICT

In 2018, the amount of 1.8 million BAM was invested in implementation of ICT projects, i.e. in joint projects and activity projects.

U toku 2018. godine u okviru podrške IKT servisima u EPBiH prijavljena su ukupno 10.974 zahtjeva od kojih je riješeno 96%. Prosječna ocjena zadovoljstva korisnika rješavanjem korisničkih zahtjeva je 9,57. Izvršeno je proširenje osnovnog i rezervnog data centra, kao i data centara u trima distributivnim podružnicama. TK infrastruktura je proširena sa dva nova objekta, uz smanjenje troškova iznajmljenih linkova telekom operatora. U segmentu tehničkih i poslovnih informacionih sistema rađene su brojne dorade i izmjene u skladu sa procesnim zahtjevima definiranim od strane poslovanja, kako u funkcionalnostima pojedinih sistema, tako i u interfejsima kojima se vrši razmjena podataka unutar informacionog sistema EPBiH.

U toku 2018. godine IKT je aktivno učestvovao u planiranju, realizaciji i davanju tehničke podrške za realizaciju Projekta SCADA/DMS/OMS, te na projektima kapitalnih investicija (novi proizvodni EEO).

In 2018, a total of 10,974 requests were filed within support to ICT services in EPBiH, of which 96% were solved. The average rating of customer satisfaction with customer request solving is 9.57.

The core and backup data centre as well as data centres in three distribution branches were expanded. TC infrastructure has been expanded with two new facilities, with the costs of rented telecom operator links being reduced. Numerous refinements and modifications have been made in the segment of technical and business information systems in accordance with the process requirements defined by the business, both in the functionalities of the individual systems and in the interfaces for data exchange within the EPBiH information system.

In 2018, ICT has actively participated in the planning, implementation and provision of technical support for the implementation of the SCADA/DMS/OMS Project and in capital investment projects (new production EEOs).

Tabela 11 // Table 11

Planirana i realizirana ulaganja po djelatnostima

Planned and realized investments by activities

Ulaganja po tačkama plana - IKT	Plan za 2018.	Ostvareno I-XII 2018.	Procenat realizacije
IKT Proizvodnja	0,68	0,33	47,8%
IKT Distribucija	0,50	0,75	150,0%
IKT Snabdijevanje i trgovina	1,16	0,15	12,6%
IKT Zajednički	2,80	0,53	19,0%
IKT ukupno	5,14	1,75	34,1%

Investments per plan items - ICT	Plan for 2018	Realised I-XII 2018	Realisation percentage
ICT Generation	0.68	0.33	47.8%
ICT Distribution	0.50	0.75	150.0%
ICT Supply and Trade	1.16	0.15	12.6%
ICT Joint Projects	2.80	0.53	19.0%
ICT Total	5.14	1.75	34.1%

Zajednički projekti – Opći poslovi

U dijelu općih poslova, u toku 2018. godine, od planiranih 845 hiljada KM, ukupno je ugovoreno 42,7 hiljada, od čega je realizirano 8,7 hiljada KM ili 1,0% planiranih sredstava. Realizirani zajednički projekti sa nivoa Društva odnose se na opremu za skladištenje, te montažni objekat u Sektoru za sigurnost i zaštitu.

REALIZACIJA PLANA ULAGANJA U ZAVISNA DRUŠTVA

Rudnici uglja

Za dokapitalizaciju sedam zavisnih društava rudnika uglja u 2018. godini planom je predviđeno ulaganje u iznosu 40 miliona KM, dok je za taj period realizirano 13,6 miliona KM ili 34% plana. Krajem decembra 2017. godine je realizirano ulaganje u RMU „Zenica“ u iznosu 2,2 miliona KM i u RMU „Kakanj“ u iznosu 5,4 miliona KM, dok je plaćanje po osnovu ovih ulaganja izvršeno početkom januara 2018. godine.

Po rudnicima, ulaganja tokom 2018. godine su iznosila:

- Rudnici uglja „Kreka“ d.o.o. Tuzla _____ 3,6 miliona KM
- Rudnik mrkog uglja „Đurđevik“ d.o.o. Đurđevik _____ 5,1 milion KM
- Rudnik mrkog uglja „Kakanj“ d.o.o. Kakanj _____ 0,2 miliona KM
- Rudnik mrkog uglja „Breza“ d.o.o. Breza _____ 1,7 miliona KM
- Rudnik mrkog uglja „Zenica“ d.o.o. Zenica _____ 2,2 miliona KM
- Rudnik uglja „Gračanica“ d.o.o. Gornji Vakuf _____ nije bilo ulaganja
- Rudnik mrkog uglja „Abid Lolić“ d.o.o. Travnik _____ 0,8 miliona KM

Joint projects - General affairs

Within general affairs, in 2018, from the planned 845 thousand BAM, 42.7 thousand were contracted, of which 8.7 thousand BAM or 1.0% of planned funds, were realized. Realized joint projects from the Company level relate to storage equipment and an installation facility in the Sector for Security and Protection.

REALIZATION OF INVESTMENT PLAN FOR DEPENDENT COMPANIES

Coal mines

For recapitalization of seven dependent companies - coal mines in 2018, the plan envisaged investments in the amount of 40 million BAM, while 13.6 million BAM or 34% of the plan was realized for this period.

At the end of December 2017, an investment was made in RMU „Zenica“ (RMU-brown-coal mine) in the amount of KM 2.2 million BAM, and in RMU „Kakanj“ in the amount of 5.4 million BAM, while the payment based on these investments was made in early January 2018.

Investments in 2018, per mines, amounted to:

- Coal mines „Kreka“ d.o.o. Tuzla _____ 3.6 million BAM
- Brown coal mine „Đurđevik“ d.o.o. Đurđevik _____ 5.1 million BAM
- Brown coal mine „Kakanj“ d.o.o. Kakanj _____ 0.2 million BAM
- Brown coal mine „Breza“ d.o.o. Breza _____ 1.7 million BAM
- Brown coal mine „Zenica“ d.o.o. Zenica _____ 2.2 million BAM
- Coal mine „Gračanica“ d.o.o. Gornji Vakuf _____ no investment
- Brown coal mine „Abid Lolić“ d.o.o. Travnik _____ 0.8 million BAM

REALIZACIJA PLANA ULAGANJA REALIZATION OF THE INVESTMENT PLAN

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Najznačajnije investicije u zavisna društva rudnike uglja tokom 2018. godine su kako slijedi:

Rudnici uglja „Kreka“ d.o.o. Tuzla

- Eksproprijacija zemljišta PK „Dubrave“ i PK „Šikulje“_1,7 miliona KM
- Revitalizacija sistema za transport otkrivke _____1,7 miliona KM

Rudnik mrkog uglja „Đurđevik“ d.o.o. Đurđevik

- Damperi _____4,4 miliona KM
- Isporuca rezervnih dijelova za bager _____0,7 miliona KM

Rudnik mrkog uglja „Kakanj“ d.o.o. Kakanj

- Grabuljasti transporter, eksproprijacija i istražna bušenja _____
_____0,2 miliona KM

Rudnik mrkog uglja „Breza“ d.o.o. Breza

- Izrada i rekonstrukcija rudarskih prostorija _____0,8 miliona KM
- Konstrukcija jamske viseće pruge _____0,6 miliona KM
- Vibro sito za suho odsijavanje rovnog uglja _____0,3 miliona KM

Rudnik mrkog uglja „Zenica“ d.o.o. Zenica

- Trakasti transporteri _____1,5 miliona KM
- Zaštitna oprema _____0,3 miliona KM
- Elektrooprema _____0,3 miliona KM
- Konstrukcija jamske viseće pruge _____0,1 milion KM

Rudnik uglja „Gračanica“ d.o.o. Gornji Vakuf

- Nije bilo ulaganja

Rudnik mrkog uglja „Abid Lolić“ d.o.o. Travnik

- Elektrooprema _____0,3 miliona KM
- Mašinska oprema _____0,3 miliona KM
- Zaštitna oprema _____0,1 milion KM

Glavni razlozi koji su onemogućili realizaciju plana ulaganja u ZD rudnike su striktna primjena Zakona o javnim nabavkama, što ne omogućava dovoljno efikasnu realizaciju ulaganja, i nedovoljna pripremljenost rudnika da realiziraju investiciona ulaganja (nedostatak investiciono-tehničke dokumentacije, organizaciona nepripremljenost, nedostatak kadrova i sl.).

The most significant investments in dependent companies-coal mines during 2018 are as follows:

Coal mines „Kreka“ d.o.o. Tuzla

- *Expropriation of land-Open cut mining (OCM) “Dubrave” and OCM “Šikulje” _____1.7 million BAM*
- *Revitalization of overburden transport system _____1.7 million BAM*

Brown coal mine „Đurđevik“ d.o.o. Đurđevik

- *Dumpers 4.4 million BAM*
- *Delivery of spare parts for excavator 0.7 million BAM*

Brown coal mine „Kakanj“ d.o.o. Kakanj

- *Scraper conveyor, expropriation and exploratory drilling 0.2 million BAM*

Brown coal mine „Breza“ d.o.o. Breza

- *Construction and reconstruction of mining facilities 0.8 million BAM*
- *Construction of pit suspended railway 0.6 million BAM*
- *Vibro sieve for dry sieving of open pit coal 0,3 million BAM*

Brown coal mine „Zenica“ d.o.o. Zenica

- *Belt conveyors 1.5 million BAM*
- *Protective equipment 0.3 million BAM*
- *Electrical equipment 0.3 million BAM*
- *Construction of pit suspended railway 0.1 million BAM*

Coal mine „Gračanica“ d.o.o. Gornji Vakuf

- *There was no investment*

Brown coal mine „Abid Lolić“ d.o.o. Travnik

- *Electrical equipment 0.3 million BAM*
- *Mechanical Equipment 0.3 million BAM*
- *Protective equipment 1 million BAM*

The main reasons that prevented the realization of investment plan in dependent companies-mines are the strict application of the Law on Public Procurement which does not allow for sufficiently efficient investment realization, and insufficient preparedness of mines to realize investments (lack of investment-technical documents, lack of organizational preparedness, lack of staff, etc.).

REALIZACIJA PLANA LJUDSKIH RESURSA

REALIZATION OF THE HUMAN RESOURCES PLAN

Na dan 31. 12. 2018. godine u EPBiH bilo je 4.378 zaposlenih, od čega 4.350 na neodređeno vrijeme, 1 radnik na određeno vrijeme, te 7 radnika sa statusom mirovanja ili na neplaćenom odsustvu, dok je u statusu pripravnika bilo 15 osoba. Ovo su kategorije koje su fiksno utvrđene planovima.

Zapošljavanje novih radnika u 2018. godini vršeno je u skladu sa Odlukom o utvrđivanju načina realizacije zapošljavanja novih radnika i pripravnika u JP Elektroprivreda Bosne i Hercegovine d.d. - Sarajevo, a prema planom utvrđenom broju.

U odnosu na 2017. godinu, kada su edukativne aktivnosti bile svedene na minimum radi provođenja mjera štednje, u toku 2018. godine povećane su aktivnosti u segmentu edukacija po pozivu i specijalističkih edukacija.

As of 31 December 2018, in EPBiH there were 4,378 employees, of which 4,350 were permanently employed, 1 employee with a fixed-term contract, and 7 employees whose status was suspended or who were on an unpaid leave, while there were 15 trainees. These are categories that are fixed in the plans.

Employment of new employees in 2018 was performed in accordance with the Decision on determining the method of realization of employment of new employees and engagement of trainees in JP Elektroprivreda Bosne i Hercegovine d.d. - Sarajevo, and in accordance with the numbers defined in the Plan.

Compared to 2017, when educational activities were minimized due to savings measures, activities in the segment of education and vocational training upon call and specialist training were increased in 2018.



REALIZACIJA
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*REALIZATION OF THE
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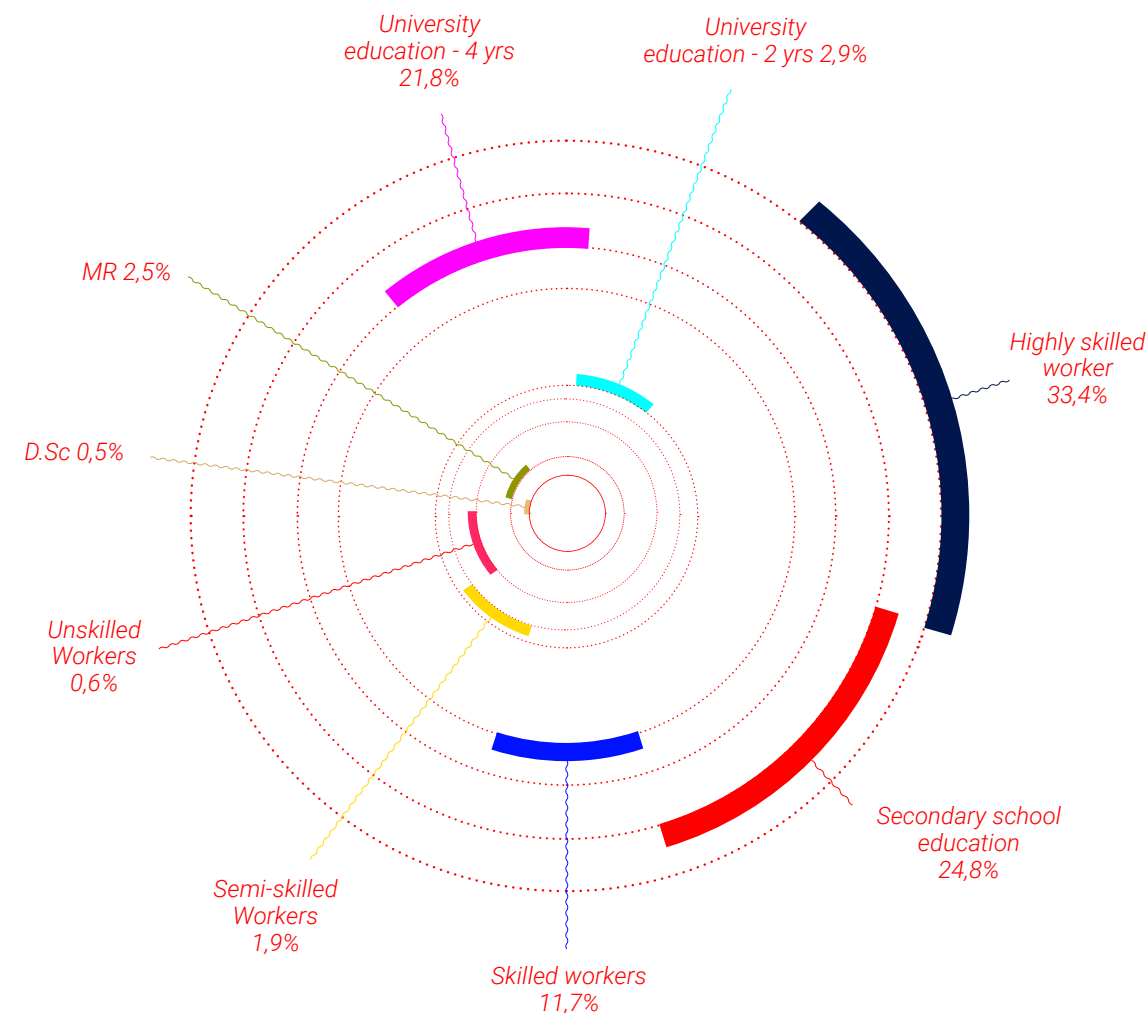
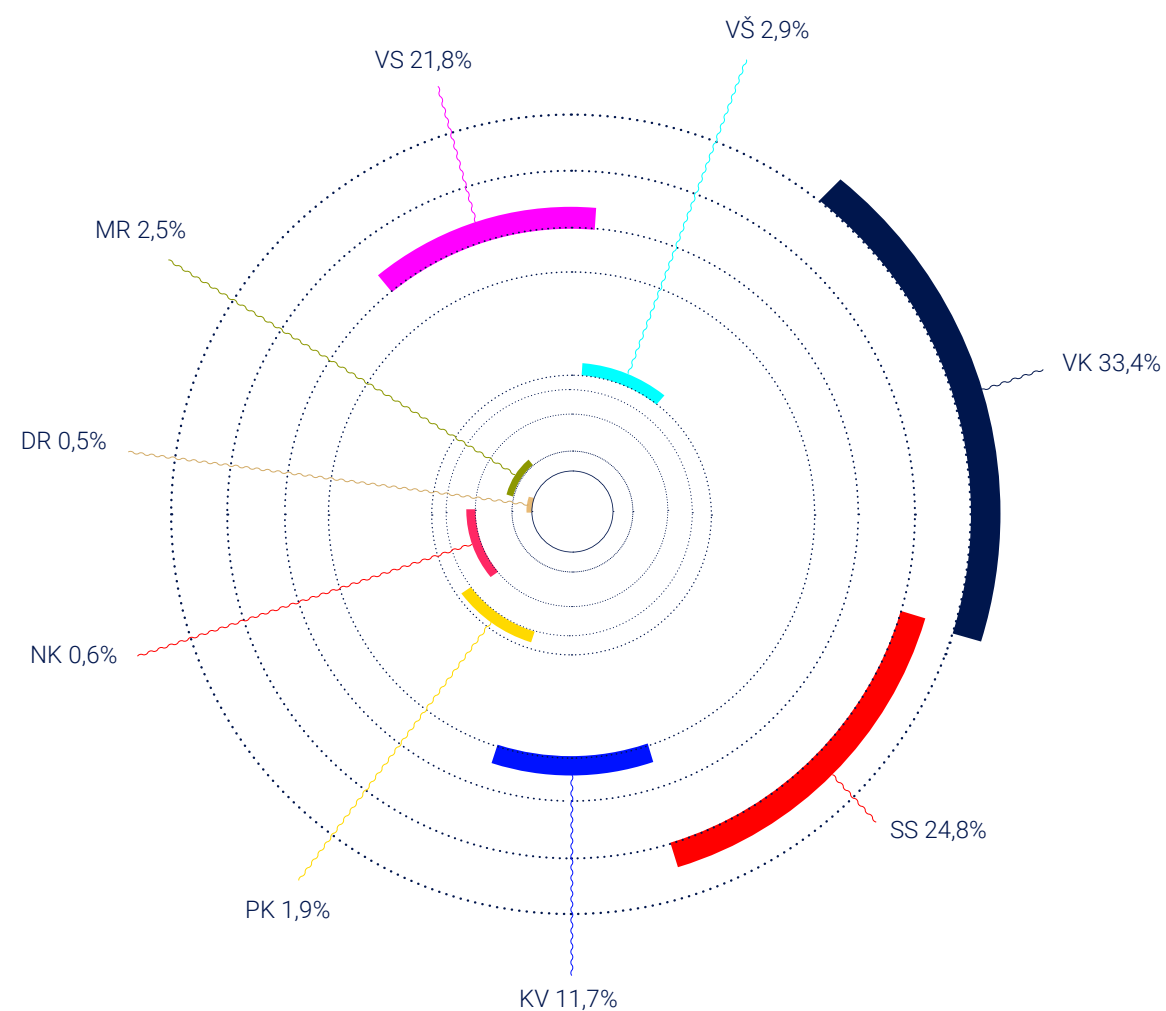
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Tabela 12 // Table 12

NK	PK	KV	SS	VK	VŠ	VS	MR	DR
24	83	509	1078	1452	125	949	107	23

Plan ljudskih resursa
Human resources plan

Unqualified employees (NK)	Semi-qualified employees (PK)	Qualified employees (KV)	Employees with secondary school education (SS)	Highly qualified employees (VK)	Employees with non-university degree (VŠ)	Employees with university degree (VS)	MA (MR)	DR (DR)
24	83	509	1078	1452	125	949	107	23



REALIZACIJA
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REALIZATION OF THE
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Tabela 13

Stanje zaposlenih
na dan
31. 12. 2018. godine

redni br.	Organizacioni dio	Stanje 31. 12. 2017. godine	Neodređeno	Određeno	Ostalo	Ukupno	Zamjena/ pripravnici	Ukupno
1	Uprava i org. jedinice uz Upravu	119	117			117		117
2	Sektor za proizvodnju	10	10			10		10
3	Sektor za rudarstvo	8	7		1	8		8
4	Sektor za distribuciju	11	12			12		12
5	Sektor za upravljanje i trgovinu	25	23			23	1	24
6	Sektor za snabdijevanje	14	15			15		15
7	Ekonomski poslovi	39	35			35		35
8	Pravni i kad. poslovi	19	19			19		19
9	Kapitalne investicije	32	31			31		31
10	Razvoj u Društvu	27	26			26		26
11	Opći poslovi	41	36			36		36
12	Ured sekretara Društva	4	4			4		4
13	Odjel za internu reviziju	11	11			11		11
DIREKCIJA UKUPNO		360	346	0	1	347	1	348
1	HE na Neretvi	364	343			343	1	344
2	TE "Kakanj"	611	595		1	596		596
3	TE "Tuzla"	656	635	1		636	4	640
4	ED Bihać	396	386		2	388		388
5	ED Mostar	208	208			208	1	209
6	ED Sarajevo	580	572			572	9	581
7	ED Tuzla	596	573		2	575	4	579
8	ED Zenica	710	692		1	693	0	693
EPBiH Ukupno		4.481	4.350	1	7	4.358	20	4.378

REALIZACIJA
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Table 13

Overview of employees
as of 31 December 2018

No.	Organizational unit	As of 31 December 2017	Permanent employment	Fixed-term contract	Other	Total	Replacement/ trainees	Total
1	Management and Management related organisational units	119	117			117		117
2	Department for generation	10	10			10		10
3	Department for mining	8	7		1	8		8
4	Department for distribution	11	12			12		12
5	Department for management and trade	25	23			23	1	24
6	Department for supply	14	15			15		15
7	Economic affairs	39	35			35		35
8	Legal and human resources affairs	19	19			19		19
9	Capital investments	32	31			31		31
10	Development in the Company	27	26			26		26
11	General affairs	41	36			36		36
12	Company Secretary Office	4	4			4		4
13	Internal audit unit	11	11			11		11
TOTAL in the DIRECTORATE		360	346	0	1	347	1	348
1	HPPs on the Neretva River	364	343			343	1	344
2	TPP „Kakanj“	611	595		1	596		596
3	TPP „Tuzla“	656	635	1		636	4	640
4	ED Bihać	396	386		2	388		388
5	ED Mostar	208	208			208	1	209
6	ED Sarajevo	580	572			572	9	581
7	ED Tuzla	596	573		2	575	4	579
8	ED Zenica	710	692		1	693	0	693
Total EPBiH		4,481	4,350	1	7	4,358	20	4.378



IZVJEŠTAJ O NABAVKAMA

PROCUREMENT REPORT

Ukupna vrijednost ugovora koje je u toku 2018. godine zaključila EPBiH iznosila je 847.108,5 hilj. KM, što je za cca 300 miliona KM više u odnosu na 2017. godinu.

Do ključnog povećanja vrijednosti zaključenih ugovora o nabavkama tokom 2018. u odnosu na 2017. godinu dovelo je svrstavanje ugovora u godinu po datumu evidentiranja, što je u poslovnom smislu značajan napredak, s obzirom na to da su ugovori sa većinom rudnika, kao ključnim dobavljačima, za 2019. godinu zaključeni datumski ranije nego je to bio slučaj u prethodnim godinama, a što je dobro za ugovorne strane.

Od vrijednosti ukupno zaključenih ugovora u EPBiH i zavisnih društava putem EPBiH u 2018. godini, koja iznosi 864.473,5 hilj. KM,

- EPBiH je zaključila ugovore u iznosu 847.108,5. hilj. KM (98% vrijednosti ugovora),
- dok su zavisna društva rudnici po osnovu dokapitalizacije zaključili ugovore u iznosu 17.365,0 hilj. KM (2% vrijednosti ugovora).

The total value of the contracts concluded by EPBiH in 2018 amounted to 847,108.5 thousand BAM, which is by approximately 300 million BAM more than in 2017.

The key increase in the value of concluded procurement contracts in 2018 compared with 2017 has resulted from the classification of contracts per year on the record date, which is a significant improvement in business terms, given that contracts with the majority of mines, as key suppliers, for 2019 in terms of dates were concluded earlier than in the previous year, which is good for the contracting parties.

Of the total value of concluded contracts in EPBiH and in dependent companies through EPBiH in 2018, which was 864,473.5 thousand BAM,

- *EPBiH concluded contracts in the amount of 847,108.5 thousand KM (98% of contract value),*
- *while dependent companies-coal mines concluded, based on recapitalization, contracts in the amount of 17,365.0 thousand BAM (2% of contract value),*

Tabela 14

Pregled zaključenih
ugovora o nabavkama
u 2018. godini za
EPBiH

Vrsta postupka	Broj postupaka	Vrijednost u KM	% vrijednosti
Direktni sporazum	1.264	1.463.495	0,17%
Konkurentski postupak sa objavom	312	2.675.991	0,32%
Pregovarački postupak sa objavom	9	326.880	0,04%
Pregovarački postupak bez objave	40	199.556.716	23,56%
Otvoreni postupak	1.043	69.529.864	8,21%
Ograničeni postupak sa pretkvalifikacijom	1	795.000	0,09%
Ugovori koji se dodjeljuju po posebnom režimu	21	715.337	0,08%
Nabavka od zavisnih društava	114	571.765.900	67,50%
Izuzeće od primjene ZJN-a	363	279.310	0,03%
UKUPNO	3.170	847.108.493	100,0%

Tabela 14_1

Pregled zaključenih
ugovora o nabavkama
u 2018. godini za
ZD rudnike

Vrsta postupka	Broj postupaka	Vrijednost u KM	% vrijednosti
Otvoreni postupak	8	16.306.147	93,90%
Pregovarački postupak bez objave obavještenja	1	339.218	1,95%
Nabavka od ZD TTU Energetik, Tuzla	3	719.640	4,15%
UKUPNO	12	17.365.005	100,0%

Putem EPBiH je vršeno ugovaranje nabavki za potrebe ZD rudnika, a u vezi sa odlukama o dokapitalizaciji ZD rudnika iz sredstava EPBiH. Vrijednost ovih nabavki je iznosila 17,37 mil. KM, od čega je 16,31 mil. KM realizirano putem otvorenog postupka, zatim 0,72 mil. KM putem nabavke od TTU Energetik, Tuzla (koje je također ZD), a preostalih 0,34 mil. KM kroz pregovarački postupak bez objave. U odnosu na prethodnu godinu povećano je učešće nabavki kroz otvoreni postupak sa 71,2 % na 93,9 %.

Sve nabavke u EPBiH (centralizirane i decentralizirane), gdje je to moguće, provode se isključivo putem „E-aukcije“, a što je u značajnoj mjeri dovelo do snižavanja cijena pojedinih roba / radova i usluga.

Broj pregovaračkih postupaka je sveden na minimum, uz primjenu isključivo u situacijama definiranim Zakonom o javnim nabavkama. U ukupnom broju postupaka (2.827) na pregovarački postupak bez objave otpada svega 1,23%, ali u ukupnoj ugovorenoj vrijednosti iznosi 199.556.716 KM ili 23,56% i to pretežno zbog velikih vrijednosti pregovaračkih postupaka za nabavku uglja sa RMU „Banovići“ (155,74 mil. KM), te prijevoz uglja željeznicom (24,57 mil. KM).

Stalnom kontrolom i revizijom svrsishodnosti nabavki, kontinuiranom kontrolom stanja zaliha na skladištima, u 2018. godini, znatno je smanjen broj nesvrsishodnih nabavki.

Table 14

Overview of concluded
procurement contracts in
2018 for EPBiH

Procedure type	Number of procedures	Value in BAM	% of value
Direct agreement	1,264	1,463,495	0.17%
Competitive procedure with procurement notice	312	2,675,991	0.32%
Negotiated procedure with procurement notice	9	326,880	0.04%
Negotiated procedure without procurement notice	40	199,556,716	23.56%
Open procedure	1,043	69,529,864	8.21%
Restricted procedure with pre-qualification	1	795,000	0.09%
Contracts awarded under special regime	21	715,337	0.08%
Procurement from dependent companies	114	571,765,900	67.50%
Excluded from the application of the PPL	363	279,310	0.03%
UKUPNO	3,170	847,108,493	100.0%

Through EPBiH, procurements were contracted for the needs of dependent companies-coal mines, in connection with decisions on recapitalization of dependent companies-coal mines from EPBiH funds. The value of these procurements was 17.37 million BAM, of which 16.31 million BAM was realized through open procedure, followed by 0.72 million BAM through procurement from TTU Energetik, Tuzla (which is also a dependent company), and the remaining 0.34 million BAM through negotiated procedure without procurement notice. Compared with the previous year, the share of procurement through an open procedure was increased from 71.2% to 93.9%.

All procurements in the EPBiH (centralized and decentralized), where possible, are performed exclusively through the "E-Auction", which has significantly reduced the prices of certain goods/works and services.

The number of negotiated procedures was minimized, and performed exclusively in circumstances stipulated by the Public Procurement Law. In the total number of procedures (2,827), negotiated procedures without procurement notice represent only 1.23%, but their share in the total contracted value amounts to 199,556,716 KM or 23,56%, mainly due to the high values of negotiated procedures for the procurement of coal for brown coal mine (BCM) "Banovići", (155.74 million BAM), and coal railway transport (24.57 million BAM).

Through permanent control and reviewing of the viability of procurements, continuous control of stocks in the warehouses, the number of unsatisfactory purchases was significantly decreased in 2018.

Table 14_1

Overview of concluded
procurement contracts in
2018 for dependent
companies-coal mines

Procedure type	Number of procedures	Value in BAM	% of value
Open procedure	8	16,306,147	93.90%
Negotiated procedure without procurement notice	1	339,218	1.95%
Procurement from dependent company TTU Energetik, Tuzla	3	719,640	4.15%
UKUPNO	12	17,365,005	100.0%

ZAŠTITA OKOLIŠA

ENVIRONMENT PROTECTION

ZAŠTITA OKOLIŠA

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 2018. 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 problematiki.

PRAĆENJE MEĐUNARODNE I DOMAĆE LEGISLATIVE

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.

OKOLIŠNE I VODNE DOZVOLE

U 2018. godini nastavljeno je sa provođenjem aktivnosti naloženih putem važećih okolišnih i vodnih dozvola u proizvodnim i distributivnim podružnicama Društva.

ENVIRONMENT PROTECTION

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 principles. We are keen to continuous progress in terms of implementing environment protection standards and, in parallel to developing our business, we strive to minimize negative impact on environment and thus to achieve our business objectives in line with these principles. In 2018, 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.

INTERNATIONAL AND DOMESTIC LEGISLATION FOLLOW-UP

EPBiH is continuously 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 through its membership in the Environment Group of the Energy Community.

ENVIRONMENT AND WATER PERMITS

In 2018, activities directed in applicable environment and water permits in production and distribution subsidiaries of the Company were continued.

RAZVOJNI PROJEKTI

Hidroelektrana „Una Kostela“ – projekt nastavka rekonstrukcije i proširenja

Rekonstrukcija i proširenje su zahvati u svrhu optimalnog korištenja voda rijeke Une u cilju povećanja ukupnog stepena iskorištenja i povećanja proizvodnje. Projektirane zahvate, uz postavljena ograničenja okolišnih zahtjeva, moguće je realizirati u periodu 40 mjeseci, uključujući realizaciju pripremnih radnji. Za pripremne radove, rekonstrukciju dovodnih organa i rekonstrukciju praga u rijeci Uni predviđeno je 20 mjeseci. Proširenje postrojenja zahtijeva dodatnih 20 mjeseci nakon završenih radova na rekonstrukciji.

Realizirane aktivnosti tokom 2018. godine:

Tokom 2018. godine ažurirani su vodni akti za postojeće postrojenje i planirani projekti nastavka rekonstrukcije i proširenja:

- pravosnažno Rješenje o vodnoj dozvoli za objekat Hidroelektrane „Una Kostela“,
- pravosnažno Rješenje o prethodnoj vodnoj saglasnosti za nastavak rekonstrukcije i proširenja,
- Federalnom ministarstvu prostornog uređenja upućen zahtjev za izdavanje urbanističke saglasnosti za projekt nastavka rekonstrukcije i proširenja Hidroelektrane „Una Kostela“ na rijeci Uni u Bihaću. Radi pripreme i podnošenja zahtjeva prethodno su prikupljeni: odobrenja, dozvola i saglasnosti.

DEVELOPMENT PROJECTS

Hydro power plant “Una Kostela” - project of continuation of reconstruction and extension

Reconstruction and extension are interventions for the optimum use of water of the Una River in order to increase the overall level of utilization

and increase production. Projected interventions, with the set limitations of environmental requirements, can be realized within 40 months, including the implementation of preparatory actions. For preliminary works, reconstruction of the supply bodies and reconstruction of the pond in the Una River, the period of 20 months has been envisaged. Expansion of the plant requires additional 20 months after reconstruction works have been completed.

Realized activities during 2018:

In 2018, water acts for the existing plant were updated and the projects for the continuation of reconstruction and extension were planned:

- *valid Decision on Water Permit for Hydro Power Plant “Una Kostela”,*
- *valid Decision on Preliminary Water Consent for the continuation of reconstruction and extension,*
- *The application for urban planning approval for the project of the continuation of reconstruction and extension of the Hydro Power Plant „Una Kostela” on the Una River in Bihać was submitted to the Federal Ministry of Spatial Planning. For the purpose of preparing and submitting the application, the following were collected: approvals, permit and consents.*

Hidroelektrana „Babino Selo“

Izvršena „Procjena kritičnih staništa“ na rijeci Vrbas, na širem području planiranom za izgradnju HE „Babino Selo“. Tokom 2018. godine nastavljeno je kontinuirano praćenje nivoa podzemnih voda na instaliranim pijezometarima.

Hydro Power Plant “Babino Selo”

“Critical habitat assessment” was conducted on the Vrbas River, in the wider area planned for the construction of HPP “Babino Selo”. In 2018, continuous monitoring of underground water levels was continued on installed piezometers.

Hidroelektrane „Janjići“ i „Kovanići“

Tokom 2018. godine nastavljeno je kontinuirano praćenje nivoa podzemnih voda na instaliranim pijezometarima.

Hydro Power Plants “Janjići” and “Kovanići”

In 2018, continuous monitoring of underground water levels was continued on installed piezometers.



VE „Podveležje 1“

U organizaciji EPBiH i konsultantske kompanije „Fichtner“ održana je javna prezentacija Projekta VE „Podveležje 1“, u Mostaru 13. 3. 2018. godine.

U skladu sa Aneksom 2 i Aneksom 4 na Konsultantski ugovor EP BiH-IC-WPP Podveležje-Cons-2/13-KfW, zaključenim između Konsultanta FICHTNER GmbH & Co. KG, Germany i JP Elektroprivreda BiH d.d. – Sarajevo, koji se finansiraju iz grant sredstava KfW banke (u okviru Aneksa 2 uključen je i angažman Konsultanta iz tačke 1), Konsultant je u 2018. godini završio sljedeću dokumentaciju:

- Izvještaj o GAP analizi i procjeni utjecaja na okoliš (u skladu sa standardima IFC Performance) – inicijalni dokument,
- Dodatni zahtjevi za procjenu utjecaja na okoliš (u skladu sa standardima IFC Performance) i finaliziranje i dostavljanje Studije utjecaja na okoliš,
- Studija utjecaja na okoliš je u toku 2018. godine dostavljena i Agenciji za izvozne kredite (EKF – Danska), a u okviru postupka obezbjeđenja ECA garancije za projekt VE „Podveležje 1“.

WPP “Podveležje 1”

Public presentation of the project of WPP “Podveležje 1”, organized by EPBiH and consultant company “Fichtner”, was held in Mostar on 13 March 2018. In accordance with Annex 2 and Annex 4 to the Consultancy Agreement EP BiH-IC-WPP Podveležje-Cons-2/13-KfW, concluded between Consultant FICHTNER GmbH & Co. KG, Germany and JP Elektroprivreda BiH d.d. - Sarajevo, financed by the KfW Bank's grant funds (within the framework of Annex 2, engagement of the Consultant from item 1 is included), the Consultant completed the following documentation in 2018:

- *Report on GAP Analysis and Environmental Impact Assessment (in accordance with IFC Performance Standards) - initial document,*
- *Additional requirements for environmental impact assessment*

(in accordance with IFC Performance standards) and finalization and delivery of the Environmental Impact Study,

- *Environmental Impact Study was also submitted to the Export Credit Agency (EKF - Denmark) in 2018, in the process of securing the ECA guarantee for the project of WPP “Podveležje 1”.*



SISTEM UPRAVLJANJA OKOLIŠEM

TE „Tuzla“

U 2018. godini provedeni su interni auditi IMS, koji su pokazali manju potrebu za korektivnim akcijama i poboljšanjima u pojedinim procesima.

Rukovodstvo je u julu 2018. godine izvršilo preispitivanje integriranog sistema poslovnog upravljanja - IMS za 2017. godinu.

Donesena je i Odluka o završetku tranzicije i prelasku na nove standarde EN ISO 9001:2015 i EN ISO 14001:2015.

Proveden je i recertifikacijski audit Integriranog sistema poslovnog upravljanja kvalitetom i okolišem u TE "Tuzla", a prema zahtjevima standarda ISO 9001:2015 i ISO 14001:2015.

Recertifikacijski audit je uspješno okončan i produžena je važnost certifikata do oktobra 2021. godine.

TE „Kakanj“

TE „Kakanj“ posjeduje važeći certifikat o usklađenosti Sistema upravljanja okolišem sa zahtjevima standarda EN ISO 14001:2004. Do decembra 2018. godine ovaj sistem je usklađen sa zahtjevima BAS EN ISO 14001:2017.

Usklađivanje postojećeg Sistema upravljanja okolišem sa zahtjevima novih standarda podrazumijeva izmjenu postojećih dokumenata Sistema upravljanja okolišem, održavanje i postizanje sljedećih principa:

- da se zaposleni kontinuirano upoznaju sa značajem ispunjavanja okolišnih zakonskih zahtjeva,
- da je definirana i objavljena okolišna politika,
- da su definirani i objavljeni okolišni ciljevi.

HE na Neretvi

U 2018. godini izrađen je Program poboljšanja integriranog sistema upravljanja (ISU), na osnovu kojeg su provedene sljedeće aktivnosti:

- izrađen Izvještaj o realizaciji Programa poboljšanja integriranog sistema upravljanja (ISU) za 2018. godinu;
- preispitivanje dokumenata ISU-a (Management review);
- proveden Interni audit u svim pogonima / sektorima u maju 2018. godine;
- izvršena analiza okolišnih aspekata koji se odnose na proces proizvodnje električne energije u pogonima / sektorima;
- ocjena usklađenosti rada sa zakonskim i drugim okolišnim zahtjevima;
- urađeni okolišni ciljevi i ciljevi kvaliteta za 2018. godinu;
- izrađen Izvještaj o ocjeni spremnosti Integriranog sistema upravljanja (ISU) za 2018. godinu;
- izrađen Izvještaj nadzornog audita (tranzicijskog) Integriranog sistema upravljanja (ISU) u Podružnici HE na Neretvi, prema zahtjevima standarda ISO 9001:2015 i ISO 14001:2015.

ED Tuzla

Nadzorni audit Sistema upravljanja okolišem BAS EN ISO 14001 izvršen je u junu 2018. godine, uz audit Sistema prema ISO 9001, koji zajedno čine Integrirani sistem upravljanja - ISU. Podružnica kontinuirano radi na poboljšanju odnosa prema okolišu, kroz sistemski pristup upravljanju otpadom, kontrolu okolišnih aspekata, identifikaciju i primjenu zakonske regulative, ispunjenje postavljenih okolišnih ciljeva te korektivnim akcijama.

U toku 2018. godine vršena je priprema za Nadzorni audit, posebno preispitivanjem postupaka i dokumenata u vezi sa novim zahtjevima ISO standarda prema izdanju iz 2015. godine. Upravljanje okolišem koje je prepoznato kao zaseban proces vrednovano je u smislu određivanja konteksta organizacije i potencijalnih rizika, te su razmatrane mjere za identificirane rizike i prilike.

ENVIRONMENTAL MANAGEMENT SYSTEM

TPP „Tuzla“

In 2018, IMS internal audits were conducted, which showed a smaller need for corrective actions and improvements in individual processes.

In July 2018, the management conducted a review of the integrated business management system - IMS for 2017.

The Decision on completion of transition and transition to new standards EN ISO 9001:2015 and EN ISO 14001:2015 was also adopted.

The re-certification audit of the Integrated Quality and Environmental Business Management System was carried out in TPP "Tuzla" according to the requirements of ISO 9001:2015 and ISO 14001:2015.

The re-certification audit was successfully completed, and the validity of the certificate was extended until October 2021.

TPP "Kakanj"

TPP "Kakanj" has a valid certificate of compliance of the Environmental Management System with the requirements of the EN ISO 14001:2004 standard. Until December 2018, this system complies with the requirements of BAS EN ISO 14001:2017.

Harmonization of the existing Environmental Management System with the requirements of the new standards implies the modification of existing documents of the Environmental Management System, maintenance and achievement of the following principles:

- *that the employees are constantly acquainted with the importance of meeting environmental legal requirements,*
- *that the environmental policy has been defined and published,*
- *that the environmental goals have been defined and published.*

HPPs on the Neretva River

In 2018, the Program for Improvement of Integrated Management System (IMS) was developed, based on which the following activities were conducted:

- *prepared Report on the Implementation of the Program for Improvement of Integrated Management System (IMS) for 2018;*
- *review of IMS documents (Management review);*
- *Internal Audit carried out in all plants / sectors in May 2018;*
- *performed analysis of environmental aspects related to the process of electricity generation in plants / sectors;*
- *assessment of conformity of work with legal and other environmental requirements;*
- *prepared environmental objectives and quality objectives for 2018;*
- *prepared 2018 Report on Assessment of the Readiness of the Integrated Management System (IMS);*
- *prepared Supervisory Audit Report of (Transition) Integrated Management System (IMS) in Subsidiary HPPs on the Neretva River, in accordance with the requirements of ISO 9001:2015 and ISO 14001:2015.*

ED Tuzla

The Supervisory Audit of Environmental Management System BAS EN ISO 14001 was completed in June 2018, with an audit of the System according to ISO 9001, which together constitute the Integrated Management System - IMS. The Subsidiary is continuously working to improve environmental relations, through a systematic approach to waste management, control of environmental aspects, identification and implementation of legal regulations, fulfilment of set environmental objectives and corrective actions.

During 2018, preparations for the Supervisory Audit were carried out, in particular by reviewing the procedures and documents related to the new requirements of ISO standards according to the 2015 edition.

Environmental management that has been recognized as a separate process is valued in terms of determining the organization's context and possible risks, and the measures for identified risks and opportunities have been addressed.



REZIME SUMMARY

U 2018. godini EPBiH je ostvarila ukupan prihod u iznosu milijardu i 60 miliona KM i neto dobit 52,38 miliona KM, što je višestruko povećanje u odnosu na planirani iznos dobiti (15,91 milion KM). U odnosu na 2017. godinu finansijski rezultat je bolji za oko 60 miliona KM, pri čemu su troškovi i rashodi smanjeni za više od 155 miliona KM u odnosu na 2017. godinu.

Najznačajnije odrednice poslovanja u 2018. godini:

- uredno snabdijevanje krajnjih kupaca;
- povećanje broja krajnjih kupaca za više od 8 hiljada;
- učešće HE u ukupnoj proizvodnji električne energije 22 %; u odnosu na 2017. godinu, povećanje cca 60 %;
- ukupna proizvodnja električne energije veća za 3,4 % u odnosu na 2017. godinu;
- realizirani dugoročni ugovori u djelatnosti Trgovine te u najvećoj mogućoj mjeri i ugovori u vezi sa pomoćnim uslugama;
- ukupan prihod od prodaje električne energije na tržištu veći od planiranog, uz veće prosječne cijene, kako za prodaju krajnjim kupcima, tako i na veleprodajnom tržištu; prosječne prodajne cijene povećane u odnosu na 2017. godinu i kod djelatnosti Snabdijevanja i kod djelatnosti Trgovine;
- ostvareni značajni razvojni koraci u vezi sa elektromobilnošću kao potencijalnim novim biznisom za EPBiH, te učešće u više projekata finansiranih iz fondova EU;
- isplaćena dividenda vlasnicima iz dobiti ostvarene u ranijem periodu po Odluci Skupštine Društva u iznosu 69,7 mil. KM.

Realizirana ulaganja su bila značajno manja od planiranih zbog objektivnih i subjektivnih razloga, ali je EPBiH ostala jedan od najvećih investitora u BiH. Pored ulaganja u djelatnostima Distribucije i Proizvodnje, realizirane su nove investicije u ZD rudnike u sastavu

Koncerna putem dokapitalizacije u iznosu 13,6 miliona KM.

Tokom godine nastavljene su aktivnosti u vezi sa izgradnjom VP „Podveležje“ kao i aktivnosti na stvaranju formalnih i finansijskih preduvjeta za realizaciju više drugih kapitalnih projekata, posebno Bloka 7 u TE „Tuzla“, te nastavak izgradnje HE „Vranduk“.

In 2018, EPBiH achieved total revenues in the amount of 1 billion and 60 million BAM and net profit in the amount of 52.38 million BAM, which is a multiple increase compared to the planned profit (15.91 million BAM). Compared to 2017, the financial result is better by about 60 million BAM, with costs and expenditures being reduced by more than 155 million BAM compared to 2017.

The most important characteristics of operating in 2018:

- *orderly supply of end customers;*
- *increased number of end customers by more than 8,000;*
- *participation of HPPs in total electricity generation of 22%; an increase of about 60% compared to 2017;*
- *total electricity generation by 3.4% higher compared to 2017;*
- *realized long-term contracts in the Trade activity and, to the greatest extent possible, contracts relating to auxiliary services;*
- *total revenues from the market sale of electricity are higher than planned, with higher average prices, both for sale to end customers and in the wholesale market; average sales prices increased in comparison to 2017 and in the Supply and Trade activities;*
- *significant developmental steps made related to electric mobility as a potential new business for EPBiH, and participation in several projects funded from EU funds;*
- *the dividend paid to the owners from the profit realized in the previous period in accordance with the Decision of the Assembly of the Company, in the amount of 69.7 million BAM.*

Realized investments were significantly smaller than planned due to objective and subjective reasons, but EPBiH remained one of the largest investors in BiH. In addition to investments in Distribution and Generation activities, new investments were made in dependent companies-coal mines, which are part of Concern, through recapitalization in the amount of 13.6 million BAM.

During the year, activities related to the construction of WPP "Podveležje" have continued, as well as the activities on creating of formal and financial preconditions for implementation of several other capital projects, especially Unit 7 in TPP "Tuzla", and continued construction of HPP Vranduk.

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IMPRESSUM

