



2025

REPORT ON ENVIRONMENTAL PROTECTION



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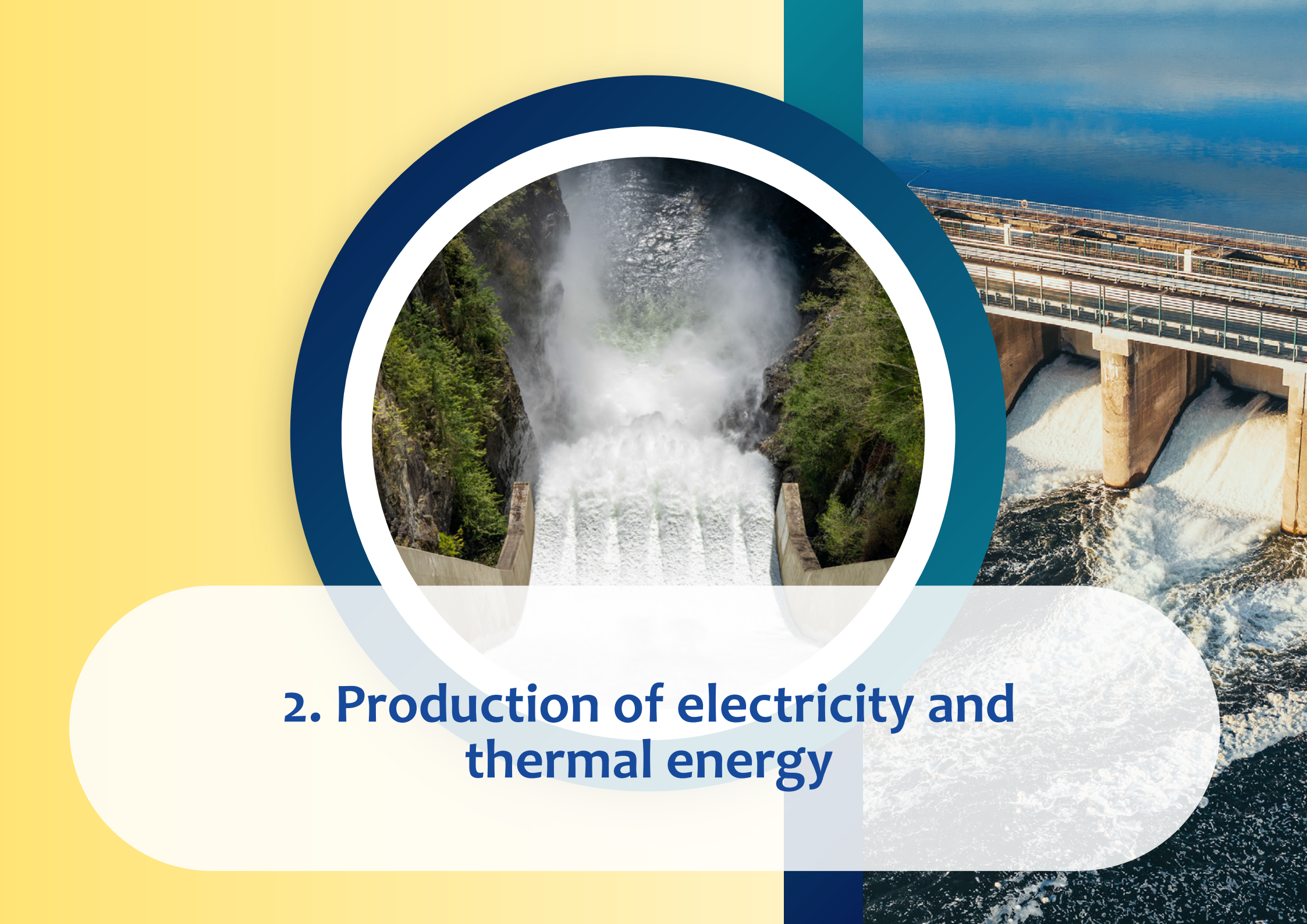
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Introduction



The 2025 Report on Environmental Protection of JP Elektroprivreda BiH d.d. Sarajevo was made in accordance with the Rulebook on Environmental Protection of JP Elektroprivreda BiH d.d. Sarajevo, the Report on the Realization of the Electricity Balance for 2025, and individual reports on environmental protection submitted by organizational units within JP Elektroprivreda BiH d.d. Sarajevo.

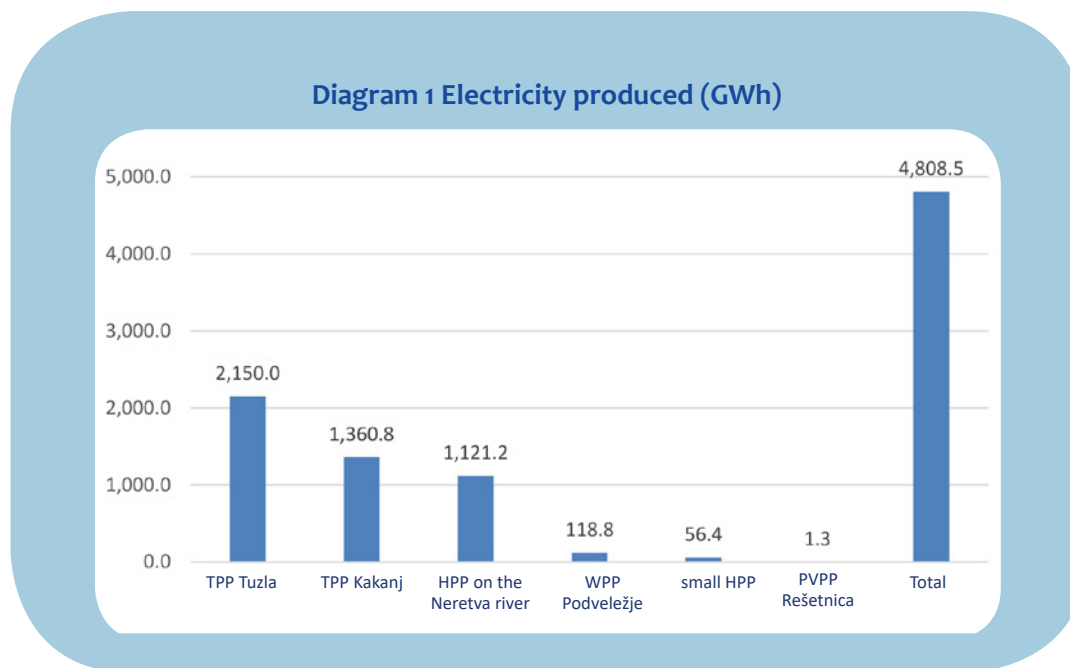


2. Production of electricity and thermal energy

JP Elektroprivreda BiH d.d. Sarajevo (hereinafter: JP EPBiH), in 2025, achieved a total electricity production amounting to 4,808.5 GWh (Diagram 1 Electricity produced in GWh).

The total production of hydroelectric power plants (Hydroelectric Power Plants: Jablanica, Grabovica, Salakovac, and small hydroelectric power plants owned by JP EPBiH) was realized in the amount of 1,777.64 GWh. Hydroelectric power plants on the transmission network: Jablanica, Grabovica, and Salakovac produced in total 1,121.226 GWh. Small hydropower plants owned by JP EPBiH, including the share in the production of the Small Hydropower Plant Bogatići, produced a total of 56.4 GWh. The Podveležje Wind Farm produced 118.8 GWh. The Rešetnica Photovoltaic Power Plant produced 1.289 GWh.

Tuzla and Kakanj thermal power plants produced a total of 3,510.8 GWh. The Tuzla Thermal Power Plant (hereinafter: TPP Tuzla) produced 2,150.0 GWh, and the Kakanj Thermal Power Plant (hereinafter: TPP Kakanj) produced 1,360.8 GWh.



In the process of co-firing biomass with coal, a total of 7,374.0 t of biomass was consumed in TPP Tuzla in 2025. Total CO₂ emissions were reduced by 4,940.0 t.

In the process of co-firing biomass with coal, a total of 18,290.0 t of biomass was consumed in TPP Kakanj in 2025. Total CO₂ emissions were reduced by 15,491.0 t.

A hand with blue nail polish is holding the top right corner of a white sheet, peeling it away to reveal a scene of industrial smokestacks emitting smoke. The background is a bright blue sky with a few white clouds. The overall design features large, sweeping curves in yellow, dark blue, and light blue.

3. Environmental impact indicators and environmental protection measures

JP EP BiH continually monitors and assesses the impact of its business processes on the environment, in accordance with the current legislation in the field of environmental protection.

Air Pollutant Emissions from Thermal Power Plants

In TPP Tuzla and TPP Kakanj, in accordance with legal regulations, continuous measurements of emissions of pollutants into the air (sulphur dioxide (SO₂), nitrogen oxides (NO_x), solid particles), and calibration of the system for continuous measurement of air pollutant emissions are carried out.

Also, direct emissions of carbon dioxide (CO₂) that occur as a result of the activity of electricity and heat production in the production facilities of JP EPBiH are continuously monitored.

Total annual air pollutant emissions and direct emission of CO₂ are given in Table 1.

Table 1 Emissions of pollutants into air and CO₂ emissions from TPP Tuzla and TPP Kakanj

Power plant	NO _x	SO ₂	solid particles	CO ₂
	t/year	t/year	t/year	t/year
TPP Tuzla	4.382,44	29.706,31	751,79	1.681.643,24
TPP Kakanj	3.522	50.343,0	55,0	1.268.366
Total	7.904,44	80.049,31	806.79,0	2.950.009,24

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Consumption of Water and Water Emissions in Thermal Power Plants

Data on the amount of water consumed for generation of electricity, thermal power and process steam in TPP Tuzla and TPP Kakanj, as well as data on the total load of pollution of wastewater expressed in population equivalent (PE) are given in Table 2.

Table 2 Balance of water used and discharged for generation of electricity, thermal power and process steam in TPP Tuzla and TPP Kakanj

Power plant	Water used	Discharged water	Population equivalent (PE)
	m ³	m ³	
TPP Tuzla	13.863.473	8.356.468	30.882,8
TPP Kakanj	7.880.674,0	2.910.045,0	31.659,7

TPP Tuzla

Activities in the field of air protection

TPP Tuzla has a system for continuous, automatic measurement of emissions of pollutants into the air. The measuring points of the automatic monitoring system from Units 4, 5 and 6 are placed on the chimneys of the Units.

The air emission monitoring system includes measurements of the following parameters: (SO₂, NO_x, CO, CO₂, O₂, solid particles, flue gas flow, temperature, humidity, and absolute pressure in flue ducts).

Inspection body TQM d.o.o. Lukavac has performed the necessary tests and confirmed that the continuous monitoring of the emission of pollutants into the air for Units 5 and 6 successfully passed the inspection, and that it complies with the requirements of BAS EN 1418:2016.

The environmental monitoring system is harmonized with the BAS EN 14181 standard, harmonized according to the Rulebook on the Monitoring of Air Pollutant Emissions (Official Gazette of FBiH 09/14) and amendments to the Rulebook on the Monitoring of Air Pollutants (Official Gazette of FBiH 97/17).

TPP Tuzla has hired the company TQM Lukavac d.o.o to perform monthly validation of measured data, as well as to perform periodic checks of measuring devices, if necessary, using the parallel measurement method with certified devices, when there are doubts as to the malfunction of the measuring device.

TPP Tuzla has a signed a contract on the implementation of QAL-2 verification of devices for monitoring the emission of pollutants into the air (QAL-2 according to BAS EN14181 standard) for Units 4, 5 and 6. Within this contract, the calibration of air pollutants emission monitoring devices is carried out, by the method of parallel measurement with certified devices, when there are doubts as to the malfunction of the measuring device. Due to the reduction in coal consumption, fewer hours of Units operation and reduced electricity production, the total SO₂ emission from TPP Tuzla is lower by 7,258 t compared to last year, and the total emissions of NO_x are lower by 140 t.

NERP BiH - National Emission Reduction Plan in BiH

In order to fulfil the obligations arising from the National Emission Reduction Plan in BiH, in TPP Tuzla, preparatory activities on the construction of flue gas desulphurisation and denitrification facilities in Units 4, 5 and 6 continued. Unit 3 was suspended in accordance with the NERP (allowed to work until 31 December 2023).

Activities in the field of water protection

TPP Tuzla has a new Water Permit for the discharge of technological wastewater and contaminated rainwater no.: UP-1/21-3-40-151-5/24, valid until 30 June 2026, and in accordance with Article 1 of the Decree on Amendments to the Decree on the Conditions of Wastewater Discharge into the Environment and the Public Sewerage System (Official Gazette of FBiH, No. 1/24). In accordance with the new Decree and the Water Permit, TPP Tuzla has developed and submitted to the competent agency a Dynamic Plan with activities for the implementation of the conditions from the Decision on the Water Permit.

On 21 January 2025, TPP Tuzla submitted a request to the Sava River Basin Agency to amend certain items of the Dynamic Plan, which was not approved by the Agency.

During 2025, the level of the water mirror at the Jezero landfill was constantly increasing, due to the continuous disposal of slag and ash, as well as a large catchment area for all rainwater and leachate. Due to the foregoing, the free volume of the landfill is decreasing, and further hydraulic filling with slag and ash and the safety of the dam are conditioned by the landfill water discharge. Due to the need to maintain the water mirror level at the maximum permissible elevation, TPP Tuzla has requested from the Sava River Basin Agency, Sarajevo the permit for the extraordinary discharge of water from the Jezero landfill into the recipient (Jala River). In 2025, the Sava River Basin Agency, Sarajevo, issued two orders for the extraordinary discharge of process water. During the discharge of process wastewater, TPP Tuzla carried out an extraordinary measurement of the pollution load expressed through PE at the measuring point E3, and a special water fee (PVN) was paid on the basis of the measurement results.

Determining the burden of wastewater pollution, expressed through the population equivalent (PE), was carried out in order to determine the basis for calculating the special water fee for water protection. The testing of the pollution load is carried out every two years in accordance with the legally prescribed methodology. The established

value of the wastewater pollution load is 30,882.8 PE.

In addition to the mentioned Water Permit, TPP Tuzla has the Water Permit No. 04/1-11-21-22075/22 (issued on 17 November 2022) by the Ministry of Agriculture, Forestry and Water Management of the Tuzla Canton, for the discharge of sanitary and faecal wastewater.

Activities in the field of waste management

Pursuant to the Law on Waste Management, TPP Tuzla is obliged to carry out selective waste collection. The takeover of secondary raw materials in 2025 was carried out by the company "CIBOS" d.o.o. Ilijaš in accordance with the concluded contracts. TE Tuzla has a signed contract with the company Kemokop d.o.o. Tuzla, for the collection of hazardous waste. It can be distinguished from the Waste Management Plan that in 2025: 140,835t of ash, 64.68 t of copper (bronze/brass) were sold and 560,503 t of slag and ash were disposed of at the landfill. In accordance with the Environmental Permit, 10.84 t of used oil of category I was burned in the boilers of the thermal power plant.

TPP Tuzla registered the data on waste generated in 2025, as well as the manner of its disposal, in the information system of the FBiH Environmental Protection Fund. The assigned TPP Tuzla employees perform daily visits to the landfill, monitor the level of the water mirror at the landfill, monitor the state of the slag pipeline, and supervise the maintenance of the dam and the landfill.

TPP Tuzla has hired the company GRID d.o.o. Banja Luka, for geodetic surveying of landfill filling. Based on geodetic surveying in 2025, it was concluded that the total volume for the disposal of slag and ash at the Jezero landfill (up to 280.00 m a.s.l.) amount to 841,015.90 m³. In July 2025, it was noted that the remaining volume of storage space for the TPP Tuzla process products can meet the needs for disposal for a period of approximately 1.5 years.

The necessary activities, which have been carried out or are being carried out with the aim of providing new space for the disposal of process products, defining the method of transport and the method of disposal from TPP Tuzla to Surface Mine (SM) Šikulje, are within the competence of the Capital Investments Sector of the Company's Directorate.

Radioactivity monitoring indicators

In 2025, the Veterinary Faculty Sarajevo carried out the measurement of the radioactivity of slag and ash, and the measurement of radioactivity in the production process, and it was established that the level of natural and artificial radionuclides in the samples does not exceed the established maximum allowed values. During 2025, the trend of increasing the value of radionuclides U 238 and in particular Ra 226 in coal samples from the Gračanica coal mine continued. The recorded levels of these radionuclides have reached values at which the radiation risk would be significantly increased should the clean ashes of this coal be used in the production of construction material.

However, the analysis shows that the use of very small quantities of coal from Gračanica, as is the case in TPP Tuzla, in combination with other types of coal, does not cause exceeding the determined maximum allowed values. During 2025, the trend of higher values of K-40 and Th-232 in the coal of the Dubrave mine continued. In general, the lowest values of the tested radionuclides were found in the coal of the Šikulje mine.

Soil sampling was conducted, in addition to the site within the thermal power plant and the Husino site, also at the site Šići-Bistarac. In 2025, there was no statistically significant increase in the level of natural radionuclides in the soil compared to the previous year at the mentioned sites.

Measurement of the content of particulate matter at the landfills of combustion products Divkovići and Jezero

The obligation of TPP Tuzla, in accordance with the Environmental Permit, is to measure the content of floating dust particles PM₁₀ at the landfills of process products in the dry period. The ordered measurements were performed and the measurement results showed that the concentration of particulate matter (PM₁₀) does not exceed the limit values, in accordance with the Rulebook on the method of air quality monitoring and defining of types of pollutants, limit values and other air quality standards (Official Gazette of the FBiH No. 01/12) and amendments to the Rulebook on the method of air quality monitoring and defining of types of pollutants, limit values and other air quality standards (Official Gazette of the FBiH No. 3/21).

BOSNIA AND HERZEGOVINA
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21. aprila Street, No. 4
75203 BUKINJE, TUZLA

RADIOACTIVITY CERTIFICATE

We hereby provide you with the results of gamma spectrometry measurements of samples of ash from electrofilters and slag from slag dump based on Contract No.: 110-TETZ-25 of 23 June 2025, and the established tasks given in the bid number: 10/25 of 12 May 2025, according to tender documents No. 2000043289, for the services of "Monitoring of radioactivity and radiological measurements of the ecological chain".

Activity (Bq/kg)			
NUCLEIDE	ASH from electrofilters	SLAG from the slag dump	Maximum activities permitted by the Rulebook
Ra-226	58.15±0.30	38.47±0.26	300
Th-232	35.14±0.25	25.65±0.23	200
K-40	334.77±4.33	245.75±3.57	3,000

Opinion:

According to the Rulebook on the Limits of Radionuclide in Food, Animal Feed, Medicines, Items of General Use, Construction Materials and Other Goods Placed on the Market (Official Gazette of Bosnia and Herzegovina, No. 54/14), the established levels of natural and artificial radionuclides in ash and slag samples **do not exceed** the established maximum permissible values according to Articles 12, 13 and 14 of this Rulebook.

Head of Laboratory

Prod. Dr. Nedžad Gradašević
/Stamp and signature/

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TPP Kakanj

Activities in the field of air protection

Dedusting of flue gases in TPP Kakanj is carried out using hybrid filters, which consist of a part of the electrofilter and a part of the bag filters. The input values of the solids content in the flue gases into the hybrid filters of Units 5, 6 and 7 are between 72,000 and 81,000 mg/m³. The measured mean annual content of solid particles behind hybrid filters (at measuring point 300-meter chimney) during 2025 was 13.2 mg/m³.

Measurement of air emissions

In accordance with the applicable Rulebook on Air Emission Monitoring, TPP Kakanj continuously monitors the following parameters of flue gases emitted into the air:

- Measuring the content of SO₂
- Measuring the content of NO_x
- Measuring the content of solid particles
- Measuring the content of CO₂
- Measuring the content of CO
- Measuring the content of O₂
- Measurement of flue gas pressure and temperature
- Measuring the flue gas flow

Activities in the field of water protection

In TPP Kakanj there are the following types of wastewater treatment:

1. Treatment of process wastewater contaminated with suspended substances
2. Treatment of sanitary and faecal wastewater
3. Treatment of wastewater contaminated with oils and fats
4. Treatment of carbonate sludge from the reactor desludging from the decarbonization plant
5. Treatment of wastewater from the coal depot

Tokom 2025. godine u TE Kakanj je na postrojenjima za tretman otpadnih voda zagađenih sDuring 2025, 2,910,045 m³ of wastewater was treated in TPP Kakanj in wastewater treatment plants contaminated with suspended matter.

A certain amount of purified water was used for own needs. 30,855 m³ was used for spraying the landfill, 49,405 m³ of purified water was used for the ejector evacuation of the coagulator sludge (this water is recirculated back into the purification process).

By treating wastewater contaminated with suspended matter, the following waters are treated:

- wastewater from slag extinguishing from Units 5, 6 and 7,
- wastewater from washing the sand filters from the decarbonisation plant,
- wastewater from the regeneration of lines for the production of demineralized water from the old CWT (chemical water treatment) and demineralization plant,
- return water from the landfill sludge settler.

The sludge generated in the coagulator, separated by an ejector vessel, in accordance with the environmental permit, was taken to the slag and ash landfill. The estimated quantity of this sludge for 2025 is 64 m³.

In the process of decarbonisation (softening) of raw water taken from the Bosna River, 13,227 m³ of 5%-sludge was formed. This sludge was transported to a sludge thickener located on the slag and ash landfill. In the thickener, the sludge thickens to a 15%-content. Part of the muddy water from the thickener was used to wet the landfill, and part of the 15%-sludge in the amount of 7,780 m³ was taken to the settlers. From the settling tank, 1,448 m³ of 25%-sludge was disposed of at the slag and ash landfill. The remaining quantity of 9,695 m³ of water, in the form of clean or slightly dirty water, was returned again to the wastewater treatment plants.

The quantity of treated sanitary-faecal wastewater is treated at the PUTOX plant and discharged into the river Bosna after treatment, and the quantity of discharged water is 11,593 m³.

Drainage water and rainwater from the road surfaces within TPP Kakanj are discharged, after being treated with 8 installed oil and grease separators.

Also, the oily wastewater from the facilities, before being discharged into the watercourse of the river Bosna, is treated with three additional oily water separators. Cleaning of the oil and grease separators is carried out occasionally, in such a way that the collected oil emulsion is poured into containers and then disposed of by an authorized company.

In accordance with the environmental permit, sludge (sand) from these devices is disposed of at the slag and ash landfill.

Measurement of water emissions

TPP Kakanj, through the authorized laboratory, and in accordance with the Decree on the Conditions for the Discharge of Wastewater into the Environment and Public Sewerage Systems (Official Gazette of FBiH number: 26/20 and 96/20), performs the following measurements:

- Measurement of the quality of water discharged from the wastewater treatment plant
- Measurement of the quality of treated sanitary and faecal waters
- Measurement of the quality of water from eight oil separators
- Measurement of the quality of water from the settling tank at the coal depot
- Measurement of the quality of water of Slapnički potok in front of and behind the landfill

Based on the measurement results, in the period after June 2025, all parameters are within the limit values.

Measurement of the impact of TPP Kakanj on soil quality (Measurement of the content of accessible forms of heavy metals in the soil)

In accordance with the Environmental Permit, during 2025, monitoring of accessible forms of heavy metals in the soil and other parameters in the wider environment of the thermal power plant was carried out. This monitoring is carried out by the thermal power plant once every five years.

Within the aforementioned investigations, the following are performed:

- field investigations,
- laboratory investigations, and
- data processing.

The limit values of heavy metals are determined in accordance with the Law on Agricultural Land ("Official Gazette of FBiH", No. 52/09) and the Rulebook on Determining the Permitted Quantities of Harmful and Dangerous Substances in the Soil and the Methods of Their Testing (Official Gazette of FBiH, No. 96/22).

Based on the results of the conducted investigations, it was found that in the area of the municipality of Kakanj there is no elevated content of accessible forms of heavy metals,

(accessible forms of heavy metals in the soil are a consequence of anthropogenic influence). However, a slightly higher presence of heavy metals, which are an integral part of the soil, was found in the measurement areas. This applies primarily to the content of cadmium and nickel. It was found that heavy metals are predominantly found in an inactive form, i.e. they are not accessible to plants. Depending on the degree of contamination for all heavy metals (except cadmium and nickel), at all locations, the soil belongs to Class III – medium contaminated soil 50-100%. Considering that on all samples the degree of pollution for cadmium and nickel is over 100%, the soil belongs to the IV class – naturally contaminated soil over 100%.

Noise measurement

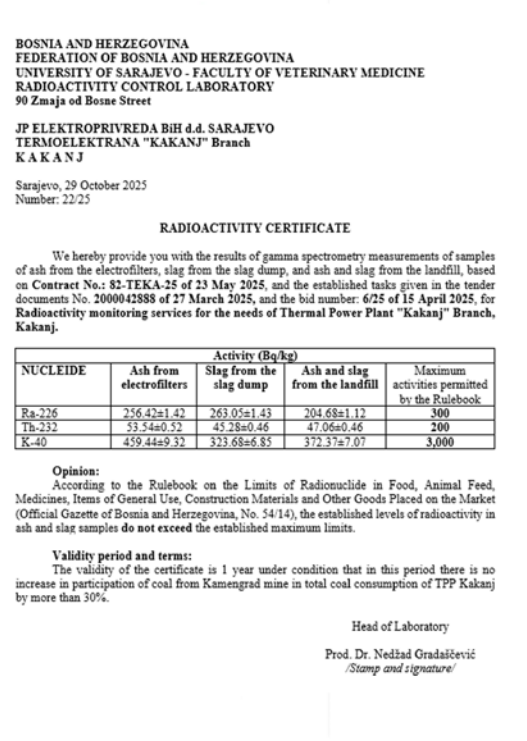
During 2025, TPP Kakanj performed measurements of emissions and noise levels in and around the thermal power plant. The measurement was done by TQM company. According to the measurement results, the measured values are within the limit values.

Radioactivity monitoring indicators

Based on the results of the investigation of the level of natural and fission radionuclides in soil, coal, ash and slag generated in TPP Kakanj during 2025, the following conclusions are given:

6. Measurements made during 2025 showed that TPP Kakanj shows a mild impact on the environment in terms of increasing technologically conditioned natural radioactivity, which is common for plants of this type.
7. The highest speed of the exposure dose of gamma radiation was measured at the ash and slag landfill (0.176 $\mu\text{Sv/h}$) and is 35% higher than the average dose rate in BiH (0.135 $\mu\text{Sv/h}$), and the lowest near the slag bunkers (0.67 $\mu\text{Sv/h}$).
8. The levels of natural radionuclides (U-235, U-238, Th-232, Ra-226 and K-40) in coals, ash and slag from the plant and ash and slag deposited at the landfill, are within the range of average values for these types of samples, with higher levels of uranium and radium in coal samples from the Kamengrad mine. The lowest values of the tested radionuclides were recorded in the coal of the Banovići mine.
9. The content of natural radionuclides (U-235, U-238, Th-232, Ra-226 and K-40) in ash and slag is 3 to 5 times higher than the content in coals, calculated on average values, but they do not exceed the established limit values.
10. The soil around the TPP Kakanj is not significantly contaminated with radionuclides. The level of contamination is in a slight downward trend compared to the levels established in previous years.
11. Considering that the coal from the Kamengrad mine is used in the technological process in TPP Kakanj, with evidently higher levels of uranium compared to other coals, more frequent control of the production process is required, especially control of the level of radioactivity of this coal.

Based on the performed measurements, a certificate for the radioactivity of slag and ash was issued.



Activities in the field of waste management

At all locations of the plant and facilities of TPP Kakanj, waste management is carried out in accordance with:

- legal requirements,
- documents of the environmental management system (Standard BAS EN ISO 14001: 2017 – Environmental Management Systems)
- Thermal Power Plant Waste Management Plan.
- The waste management procedure is carried out in accordance with the applicable Law on Waste Management and its implementing regulations, as well as in

accordance with the requirements defined by the applicable environmental permit. In this regard, TPP Kakanj performs:

- selective waste collection by type,
- temporary storage of collected waste,
- disposal of hazardous waste through authorized companies,
- delivery of secondary raw materials and other types of non-hazardous waste to authorized companies
- delivery of slag and ash to the customers of these materials and
- disposal of slag, ash and sludge from wastewater treatment to the slag and ash landfill.

HPPs on the Neretva river

Activities in the field of air protection

The emission of pollutants into the air from the stationary source of the boiler plant for 2025 was tested in HPPs on the Neretva River in December 2025. Measurements were carried out in accordance with the requirements of the prescribed standard, each with three series of measurements, and the result was given for all parameters as well as the mean value of the measured concentrations. The Report on Air Pollutant Emissions Measurement (number: 513/25 of 25 December 2025) was prepared by “Inspekt-RGH” d.o.o. Sarajevo. According to the applicable regulations, all measured indicators meet the criteria on environmentally friendly work, i.e., environmental soundness, as follows:

- Law on Air Protection (“Official Gazette of the FBiH” No.72/24),
- Rulebook on Limit Values of the Emissions of Pollutants into the Air from Combustion Plants (“Official Gazette of FBiH” No. 3/13,92/17);
- Rulebook on Monitoring Emissions of Pollutants into the Air (“Official Gazette of FBiH” No. 9/14, 97/17).

Activities in the field of water protection

HPP Jablanica

For the acceptance and treatment of wastewater from the sanitary blocks of the HPP Jablanica plant, a standard biological device for wastewater treatment (type SBR_REG_12 with capacity of 12 ES) has been installed on the plateau of the machine house. After treatment, the wastewater is discharged using a mechanical-biological process

into the river Dobrinja, which flows into the Neretva River.

Sampling of wastewater from HPP Jablanica was carried out twice a year at the point of discharge (May and December 2025). Testing the quality and quantity of wastewater according to the applicable regulations, the measured parameters from the treatment plant (SBR_REG_12) of the HPP Jablanica plant in May did not meet the wastewater emission limit values (ammonia nitrogen and total nitrogen).

After treating wastewater with a preparation for establishing and maintaining the biological activity of SBR device with a solution in the HPP Jablanica plant, the measured parameters in December met the limit emissions of wastewaters, which are discharged into the natural recipient in accordance with the Decree on Conditions for the Discharge of Wastewater into the Environment and Public Sewerage Systems (Official Gazette of FBiH” No. 26/20, 96/20, 1/24).

HPP Grabovica

For acceptance and treatment of wastewater from sanitary rooms and coffee kitchen of HPP Grabovica plant, two standard biological wastewater treatment plants were installed (SBR_REG_12 with capacity of 12 ES installed on the left bank, and SBR_REG_08 with capacity of 8 ES installed on the right bank of the river Neretva).

After treatment, the wastewater is discharged directly into the river Neretva, using a mechanical-biological process.

Sampling of wastewater from HPP Grabovica was carried out twice a year at the point of discharge (May and December 2025). Testing the quality and quantity of wastewater according to the applicable regulation, the measured parameters meet the emission limit values of wastewaters that are discharged into the natural recipient, in accordance with the Decree on Conditions for the Discharge of Wastewater into the Environment and. Public Sewerage Systems (Official Gazette of FBiH No. 26/20, 96/20, 1/24).

HPP Salakovac

For the acceptance and treatment of wastewater from the HPP Salakovac, a standard biological wastewater treatment plant (type SBR_REG_20 with capacity of 20 ES) was built, which was placed on a free surface in front of the machine room (dam) on the left

bank of the Neretva River.

After treatment, the wastewater is discharged directly into the Neretva River, using a mechanical-biological process.

Sampling of wastewater from the HPP Salakovac was performed twice at the discharge site (May and December 2025). Testing the quality and quantity of wastewater according to the applicable regulations, the measured parameters from the treatment plant (SBR_REG_20) of the HPP Salakovac plant in May did not meet the wastewater emission limit values (COD, BOD, ammonia nitrogen, total nitrogen, total phosphorus and sedimentary substances).

After treating wastewater with a preparation for establishing and maintaining the biological activity of SBR device with a solution in the HPP Salakovac plant, the measured parameters in December met the limit emissions of wastewaters, which are discharged into the natural recipient in accordance with the Decree on Conditions for the Discharge of Wastewater into the Environment and Public Sewerage Systems (Official Gazette of FBiH” No. 26/20, 96/20, 1/24).

Activities in the field of waste management

At the HPPs on the Neretva River, in accordance with legal requirements, documents of the Environmental Management System and waste management plans of the HPPs on the Neretva River, waste management was constantly monitored at the location of all plants. All types of generated waste were collected, selected and temporarily deposited in the temporary waste storage of the plant of the HPPs on the Neretva River, as well as in the central temporary waste storage of HPP Jablanica.

Renewable Energy Sector

Sarajevo Plant

With the entry into force of the Decision on Amendments to the Job Classification, number U-01-18403-1/25-163/15.a. of 27 May 2025, the SHPP “Osanica 1” in Goražde organizationally belongs to the Subsidiary “Hidroelektrane na Neretvi”, Jablanica – Renewable Energy Sources Unit, Work Unit Sarajevo. The power facility of SHPP “Osanica 1” in Goražde has two generators, each with a power of 540 kVA. The projected mean annual electricity production is 4.75 GWh. Due to the dry periods during the summer months and the mandatory discharge of environmentally friendly flow at the dam, the

projected mean annual production is not fully realized.

“Bogatići” Dam Trnovo

With the entry into force of the Decision on Amendments to the Job Classification, number U-01-18403-1/25-163/15.a. of 27 May 2025, the “Bogatići” Dam in Trnovo organizationally belongs to the Subsidiary “Hidroelektrane na Neretvi”, Jablanica – Renewable Energy Sources Unit, Work Unit Sarajevo. “Bogatići” Dam is an integral part of the hydropower facility of the hydropower plant “Bogatići Nova”, “Obnovljivi izvori električne energije Bogatići i Mesići” d.o.o. /Renewable Electricity Sources Bogatići and Mesići” LLC/. Pale, which is the capacity for production of electricity, based on the utilization of the hydro potential of the Željeznica River. The installed power of the power plant is 2x5000 kVA. The hydropower plant belongs to the group of derivative hydropower plants, which exploit the kinetic and potential energy of water, as well as pressure energy. The reservoir was formed in the natural riverbed and coastal strip of the Željeznica River. On the front side there is a partition profile, i.e. the dam with a weir and flow fields. The pool is filled by the natural water inflow of the Željeznica River. The “Bogatići” Dam plant consists of the following technical and technological units:

- reservoir with dam,
- intake structure of the tunnel, and
- dam drive system.

In 2025, a production of 30.987 GWh was realized, of which 28% of the total production belongs to the Public Enterprise Elektroprivreda BiH d.d.-Sarajevo

Activities in the field of water protection

Monitoring of SHPP Osanica 1 is carried out in accordance with: technical recommendations, adopted experiences for the operation of facilities of this type and purpose, as well as the method of maintenance of the facility. All activities and observations are recorded in books. In the event of unforeseen situations that may endanger the operation of the facility, additional activities shall be undertaken in accordance with the internal intervention plan.

Revitalization of SHPP Osanica 1 from the perspective of reducing possible negative impacts on the environment, is foreseen in the multi-year Plan. Maintenance of plant equipment and devices takes place through current and investment maintenance.

Bihać Plant

The Bihać plant is responsible for the management of HPP Una Kostela, SHPP Krušnica and SHPP Bihać.

By the decision of FERK (Document number: UP1-06-13-1-64-18/22, of 13 December 2022), the Permit for the Production of Electricity was issued for the HPP Una Kostela, SHPP Krušnica and SHPP Bihać plants.

The regular annual audit of HPP Una Kostela was carried out in accordance with the Plan for the Annual Audit of Equipment in Electricity Production Plants.

Activities in the field of water protection

Monitoring of the water management facility is carried out in accordance with technical recommendations, adopted experiences for the operation of facilities of this type and purpose, as well as the method of maintenance of the facility. The staff of the hydroelectric power plant, as well as the facility security officers, are responsible for the daily observation and visual inspection of the water management facility. All activities and observations are recorded in books. In the event of unforeseen situations that may endanger the operation of the facility, additional activities shall be undertaken in accordance with the internal intervention plan.

Control over the inflow and use of water in HPP Una Kostela serves for the programme running of the water management facility, and thus the measurement of the water level at the intake structure. This method ensures and maintains an environmentally acceptable flow, at the dam of 2 m³/sec, in conditions of lower flow of the Una River than the installed flow of the power plant of 88 m³/sec. These measurements and data monitoring are performed continuously, electronically, using installed measuring probes on the water intake, water chamber and bottom water. There is also a visualization of the flow through the Una River and the inflow of water through the tunnel towards the turbines, whereby the power plant operator has a constant view of these quantities and their influence on the water regime. The monitored and obtained data is entered into the Flow Book on a daily basis.

Taking into account the laboratory analyses of the Una River water quality in the area of the plant, it can be concluded that the concentration of hydrogen ions pH ranges from

7.2-7.8, the content of O₂ dissolved in 1 l of water ranges from 4.8-10.7 ml/l and increases upstream.

The small hydropower plant Krušnica has a water monitoring system, as does the small hydropower plant Bihać, which monitors water levels upstream and downstream of the plant.

Works of water intakes, revision of the plant

The regular annual audit of HPP “Una”, Kostela, was performed in accordance with the documents: “Plan for the Annual Audit of Equipment in Power Generation Plants”. Works on the annual audit of equipment and generators in HPP “Una”, Kostela, were carried out in the period from 22 July to 17 October 2025.

The audit plan is implemented in accordance with the documents prepared separately for each of the hydropower plants, according to the Program of Works. The Program of Works includes works on generators and equipment on which a detailed annual audit will be performed, in accordance with the technical instructions and recommendations of the equipment manufacturer, technical regulations and standards, internal regulations and technical procedures related to equipment maintenance.

The audit of HPP Una Kostela was carried out in accordance with previous practice, during the period of low hydrology, i.e. minimum hydrology, in the period from 22 July 2025 to 26 November 2025.

Works on the regular maintenance and carrying out the annual audit works were carried out by maintenance workers and shift staff. Due to the failure of the turbine cap of the generator 2 impeller, the activities of the annual audit of the equipment and the generator took place with considerable difficulties and outside the planned schedule.

In SHPP Krušnica, due to the lack of workers, regular annual audit of the hydropower plant was not performed.

Tuzla Plant

The Tuzla plant is responsible for the management of SHPP Modrac in Lukavac, and SHPP Sniježnica in Teočak.

Activities in the field of water protection

The Small Hydropower Plant Modrac has the Decision on the Water Permit (Document number: 04/1-11-21-10882/22, of 25 April 2022), issued by the competent Ministry of Agriculture, Forestry and Water Management of the Tuzla Canton, valid for 5 (five) years, i.e., until 25 April 2027;

As an obligation from the Water Permit, regular activities are carried out in water quality control in the Sniježnica hydro-storage reservoir, updating the Plan for the operation of the Sniježnica dam and the hydro-storage reservoir, and technical monitoring of the Sniježnica dam with the interpretation of the results, development of a Monitoring Program to monitor the established environmental flow at the Sniježnica lake, amendment of the Study on determining the environmental flow at the Sniježnica lake, revision of the interpretation of the results of the technical monitoring of the Sniježnica dam. The construction of an ecological septic tank for the Powerhouse on the Sniježnica dam has also been completed.

Elektro distribucija Sarajevo

Activities in the field of waste management

As part of Elektro distribucija Sarajevo (hereinafter: ED Sarajevo), after construction, reconstruction and obtaining the necessary permits, warehouses for temporary waste storage in Azići (Sarajevo Canton) and Vitkovići (Bosnian-Podrinje Canton of Goražde) are in operation.

According to the relevant ministry, reporting on the fulfilment of the requirements of the waste management license for the warehouse facility for the temporary storage of waste in Azići is performed continuously.

Since 2021, ED Sarajevo has been registered in the Waste Management Information System of the Federation of BiH, and it enters data on the generated waste within the legally prescribed deadline.

In 2025, the second and third individual contracts for the service of hazardous waste disposal were realized under the framework agreement concluded for the period 2023-2025. A new contract for the service of hazardous waste disposal was concluded in

September 2025 with Kemeko-BH d.o.o. Lukavac for the period of twelve (12) months. Public Invitation for Bids for the sale of waste collected at the Public Enterprise Elektroprivreda Bosne i Hercegovina d.d.-Sarajevo, Subsidiary “Elektro distribucija”, Sarajevo, was published at the end of 2025. The decision on the selection was made in February 2026.

In 2025, on two (2) occasions, the Subsidiary handed over the discarded electrical and electronic equipment for processing and disposal to the operator of the waste electrical and electronic equipment management system, the Company ZEOS eko-sistem d.o.o. Sarajevo. The collector authorized by the system operator was Harex d.o.o. Sarajevo. During 2025, the implementation of the UNDP project, “Environmentally Acceptable Management of Persistent Organic Pollutants (POPs) in the Industrial and Waste Management Sectors in Bosnia and Herzegovina” continued through the UNEP project, Child 1.1 “Reduction of Pollution from Harmful Chemicals and Waste in Mediterranean Hotspots and Monitoring of Progress Towards Achieving Goals”, financed by the GEF “Mediterranean Sea Programme (MedProgram): Ensuring Environmental Protection”. Within the aforementioned project, the subsidiary reported equipment containing PCBs for disposal. In March 2025, the representative of the UNEP/MAP project (Med Programme) provided information that an international tender had been published for the selection of the company that would dispose of PCB waste. Also, in March 2025, as part of the final evaluation of the POPs project, another visit to the Subsidiary was made. In October 2025, a meeting was held and information was presented that a company to dispose of PCB waste was selected. The Greek company Polyeco S.A. was selected, with the subcontracted company Kemeko-BH from Bosnia and Herzegovina and the company Tredi from France. They estimate that the takeover of the equipment should take place in 2026. The equipment pick-up plan will be submitted in advance.

In 2025, environmental protection agents (absorbents) were also procured. At SHPP “Osanica 1” regular cleaning of the bed of the river Osanica and maintaining of water intake were performed. Approximately 25 kg of floating waste was collected and disposed of in an appropriate manner.

Elektro distribucija Tuzla

Activities in the field of water protection

Elektro distribucija Tuzla (hereinafter: ED Tuzla) continuously monitors the oil traps (separators), tests the quality of water at the outlet of the separators, and if necessary, they are serviced and maintained, and the resulting sludge is disposed of in accordance

with legal regulations.

Activities in the field of waste management

The service of hazardous waste disposal and sale of secondary raw materials and waste materials is continuously contracted.

Regular control of environmental protection measures in the field was carried out, with control of the implementation of occupational safety and fire protection measures, in order to prevent pollution and inadequate waste management.

Elektro distribucija Zenica

Activities in the field of waste management

In November 2025, the procedure for the sale of secondary raw materials and waste materials with a total quantity of 40,238,000 kg was initiated. Realization, i.e. sale, is expected in May 2026.

In 2025, there was no handover of hazardous waste, because in 2024 electronic waste was handed over to the authorized operator of the electrical and electronic waste collection system (C.I.B.O.S. d.o.o. Sarajevo, Zenica Branch), with the issuance of the Accompanying sheet for electrical and electronic waste (lead batteries - 802 kg) number: 01-1/24 of 28 November 2024.

Elektro distribucija Bihać

Activities in the field of waste management

Waste management in the Subsidiary “Elektro distribucija”, Bihać refers to the activities of collection, transport, selection, recording and temporary storage in an environmentally acceptable manner, until the handover for processing or disposal to legal entities authorized for the management of non-hazardous and hazardous waste. In the Subsidiary, there are auxiliary warehouses for temporary waste storage (secondary raw materials) according to the PJD, and a part of the space in the Central Warehouse of the Elektro distribucija Bihać in Bihać (hazardous waste).

Continued activities on the construction of a for temporary waste disposal warehouse.

In December 2025, the Service for Urban Planning, Construction, Property Law and Geodetic Affairs of the City of Bihać gave urban approval for the change of the purpose of part of the facility, semi-open warehouse, garage and workshop, within the complex of business facilities, from the premises of the garage and workshop to the premises of the warehouse for temporary waste disposal.

After the implementation of the construction project and obtaining the necessary permits, the disposal of primarily hazardous waste, in the Subsidiary “Elektrodistribucija”, Bihać will be fully in accordance with the legal requirements.

Since 2021, the Subsidiary “Elektrodistribucija” Bihać has been registered in the Waste Management Information System of the Federation of BiH, and it enters data on the generated waste of the Subsidiary within the legally prescribed deadline.

Elektrodistribucija Mostar

Activities in the field of water protection

Elektrodistribucija Mostar (hereinafter: ED Mostar), in accordance with the regulations, continuously monitors the soundness of oil pits in masonry TSs 35/10 kV and 20(10)/04 kV, and interventions are made if necessary.

Activities in the field of waste management

The service of hazardous waste disposal and sale of secondary raw materials and waste materials is continuously contracted.

4. Fish stocking



HPPs on the Neretva River (HEN)

In 2025, HEN planned funds for the realisation of the obligation to procure fish fry/fish for the purposes of restocking the fishing areas of Prozor-Rama, Konjic, Jablanica and Mostar in accordance with Article 35 of the FBiH Law on Freshwater Fisheries (Official Gazette of FBiH, No. 64/04).

Pursuant to the Annual Fisheries Improvement Programmes submitted by the Fishermen's Associations, allochthonous species of fish fry/fish for restocking; carp and rainbow trout were procured.

ED Sarajevo

The annual fish stocking of the Osanica River in Goražde (SHPP "Osanica 1" facility) was carried out according to the signed Contract.

ED Tuzla

According to the Fishery Basis of the Fishermen's Association, the Sniježnica hydro-storage reservoir was stocked with the necessary quantity and type of fish fry/fish.

ED Bihać

With the aim of fulfilling the obligations under the Agreement on the Improvement of Fish Stock in the Una River Basin, the Agreement on the Improvement of Fish Stock in the Krušnica River Basin, the legal obligations prescribed by the FBiH Law on Freshwater Fishery (Official Gazette of the FBiH, No. 64/04), and the Annual Fishery Improvement Programmes for 2025, stocking of the Fishing area 4, fishing zone 4.2, Una Bihać and the Fishing Area 5, Fishing zone 5.1 – Krušnica, Bosanska Krupa, was carried out.

The obligation under the Agreement on the Improvement of the Fish Stock in the Krušnica river basin is a participation of 60% in the annual restocking of the Krušnica river basin, which is proportional to the estimated damage caused to the natural balance of that ecosystem and fish stock by the operation and maintenance of the SHPP "Krušnica" Bosanska Krupa. The obligation under the Agreement on the Improvement of the Fish Stock in the Una river basin from November 2019 is the financing of the stocking of the Una river with 90,000 pieces of brown trout fry aged equivalent to length of 10-15 cm during the period of legal validity of the Fishery Basis of 5 (five) years.

**5. Produced quantities of
waste within JP EPBiH**

In accordance with the legal framework in the field of waste management, waste management systems have been established and waste management plans have been adopted in all subsidiaries of JP EPBiH. All quantities of collected waste are taken over by authorized operators, who ensure its collection, transport, treatment and final disposal in accordance with the applicable regulations.

Non-hazardous waste

A total of 2,357.709 t of non-hazardous waste was produced within JP EPBiH.

TPP Tuzla produced 1,516.33 t, TPP Kakanj 528.16 t, and HPPs on the Neretva River 5.86 t.

ED Sarajevo, ED Tuzla, ED Zenica, ED Travnik, ED Bihać and ED Mostar produced a total of 307.361 t.

Process products (slag and ash) from the production process

The total amount of process products produced in TPP Tuzla and TPP Kakanj is 1,118,809 t, of which 721,775 t were delivered, and the rest was disposed of at process product landfills.

Hazardous waste

The total quantity of hazardous waste of JP EPBiH is 89.174 t.

TPP Tuzla produced 48.1 t, TPP Kakanj 8.29 t, and HPPs on the Neretva River 2.812 t.

ED Sarajevo, ED Tuzla, ED Zenica, ED Travnik, ED Bihać and ED Mostar produced a total of 29.972 t.

6. Use of transformer oil in Electricity Distribution Companies (EDs)



ED Sarajevo

In the course of the process of regular overhaul and maintenance of transformer substations and transformers, in the area of Sarajevo Canton and Bosnia-Podrinje Canton Goražde, in 2025, 8,453.9 kg of non-chlorinated insulating oil and mineral oil-based heat transfer oil was consumed (79.3 % more oil was consumed in 2025 compared to 2024).

ED Bihać

The Subsidiary “Elektro distribucija” Bihać does not have a transformer overhaul workshop.

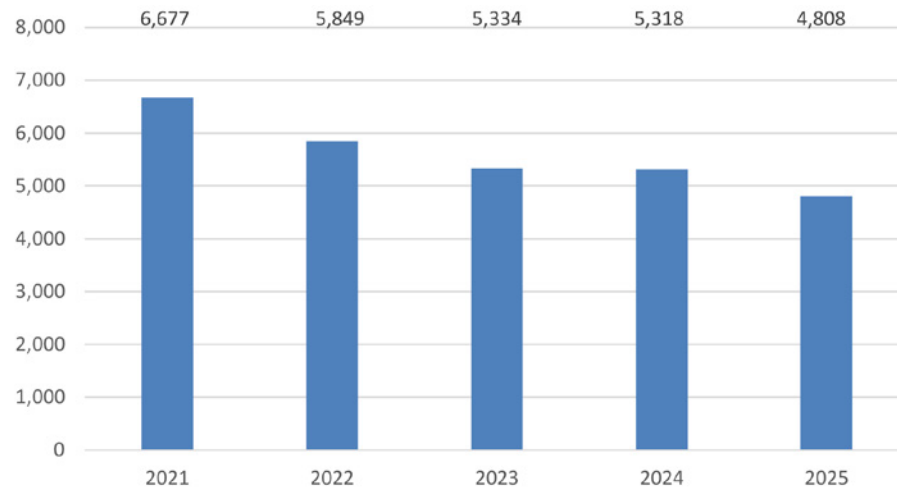
In the course of the regular process, i.e. the maintenance of transformers and low-oil circuit breakers within the OMiP Sector, electroinsulating transformer oil was replenished, and 1,125 L was consumed, which is at the level of last year’s consumption (approx. 29 % more compared to 2024). The General Affairs and Transport Service uses motor hydraulic oils and antifreeze. For new vehicles, which are regularly serviced, the oil is replaced by an authorized service centre. Oil replacement in working machines is also done in the service centre. Used oil is temporarily stored and also prepared for final disposal. There were no recorded cases of uncontrolled oil spills.

Bihać plant uses biodegradable hydraulic oils (HD 68) and greases (LIS 2) in the Activity of production of electric energy, as part of the production and maintenance process of energy plants in hydroelectric power plants.



7. Trend of environmental impact indicators for the period 2021 – 2025

Diagram 2 Total electricity production in the facilities of JP EP BiH for the period 2021 – 2025 (GWh)



TPP Tuzla and TPP Kakanj

Diagram 3 Electricity production in TPP Tuzla and TPP Kakanj for the period 2021 - 2025 (GWh)

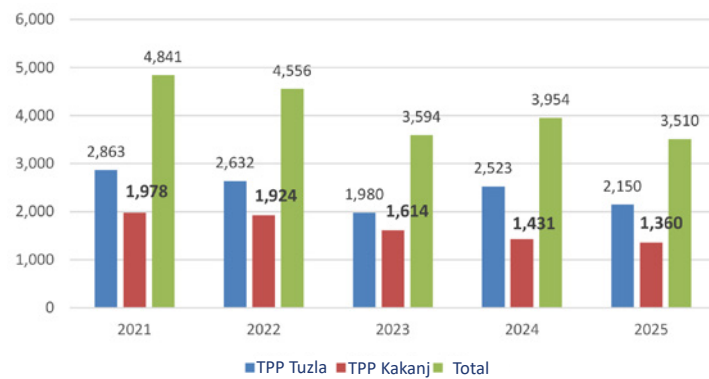


Diagram 4 Coal consumption in TPP Tuzla and TPP Kakanj for the period 2021 - 2025 (t)

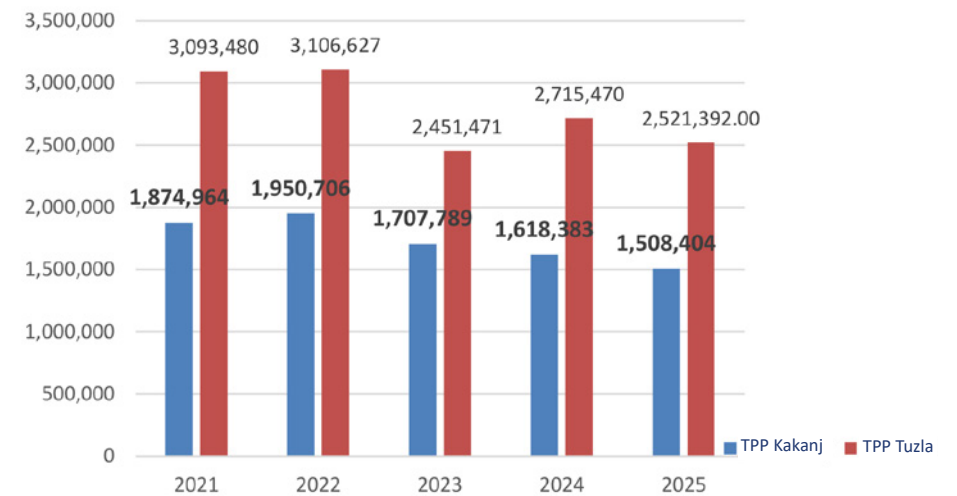


Diagram 5 SO₂ emissions from TPP Tuzla and TPP Kakanj for the period 2021 – 2025 (t)

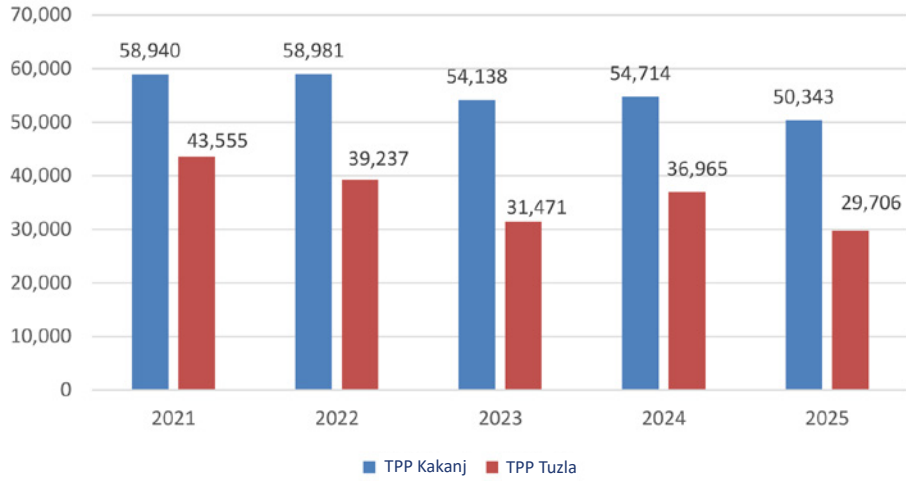


Diagram 6 NO_x emissions from TPP Tuzla and TPP Kakanj for the period 2021 – 2025 (t)

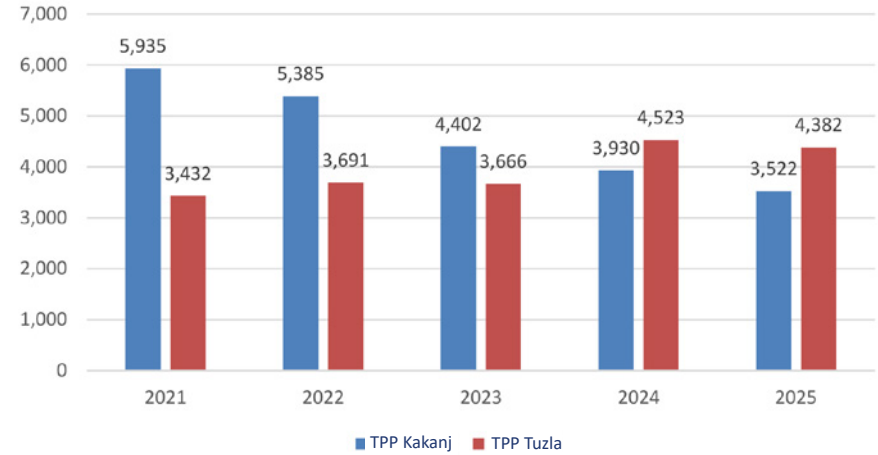


Diagram 7 Emissions of solid particles from TPP Tuzla and TPP Kakanj for the period 2021 - 2025 (t)

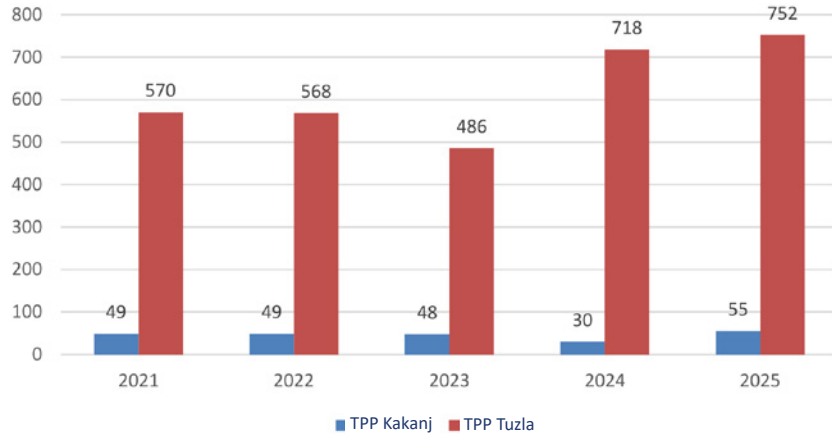


Diagram 8 CO₂ emissions from TPP Tuzla and TPP Kakanj for the period 2021 – 2025

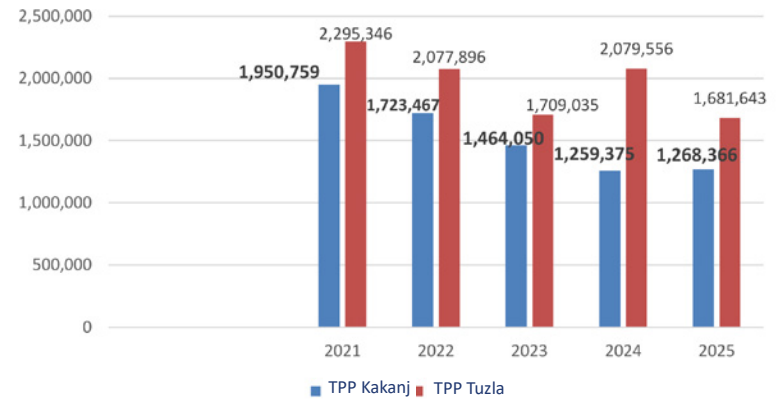


Diagram 9 Total quantity of non-hazardous waste and hazardous waste* in TPP Tuzla and TPP Kakanj for the period 2021 - 2025 (t)

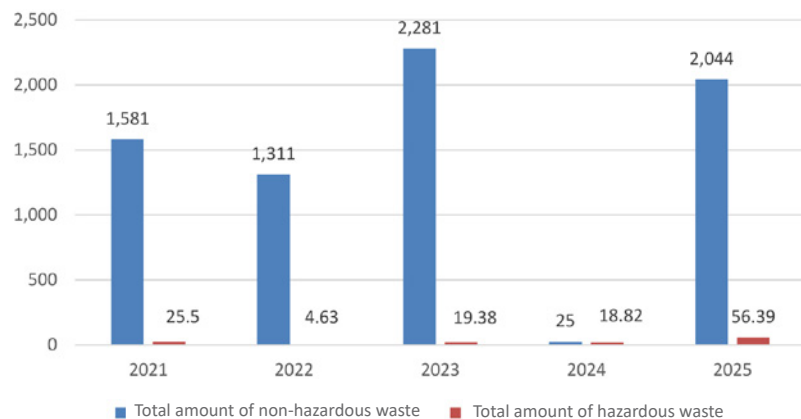
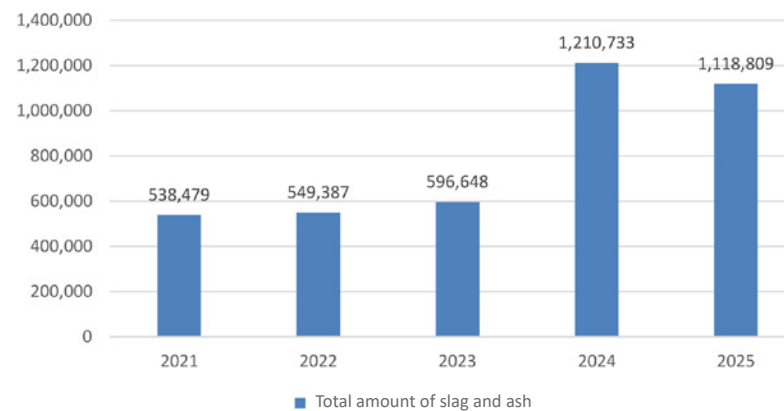


Diagram 10 Total quantity of delivered slag and ash in TPP Tuzla and TPP Kakanj for the period 2021 - 2025 (t)



HPPs on the Neretva river

Diagram 11 Electricity production in hydroelectric power plants on the Neretva River for the period 2021 – 2025 (GWh)

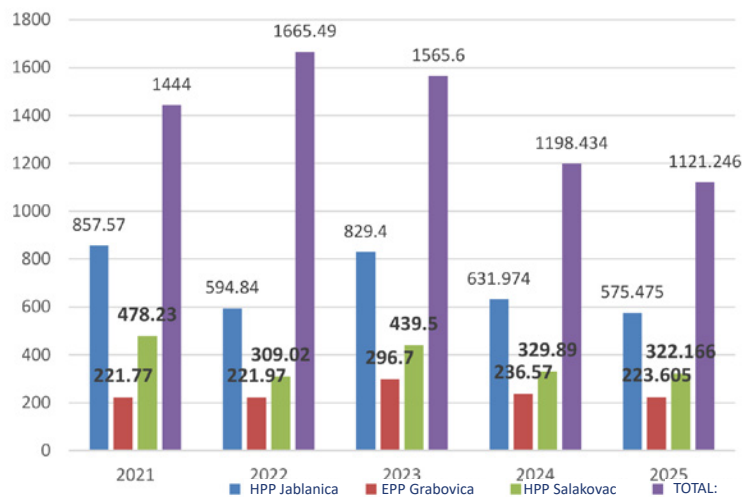
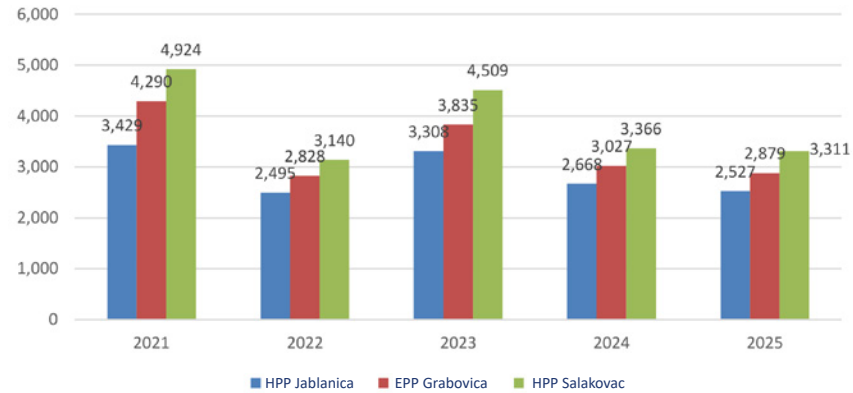


Diagram 12 Quantity of water used for electricity production in hydroelectric power plants on the Neretva River for the period 2021 – 2025 (million m³)



Electricity distribution companies

Diagram 13 Total quantity of non-hazardous waste and hazardous waste* in Hydroelectric power plants on the Neretva River for the period 2021 – 2025 (t)

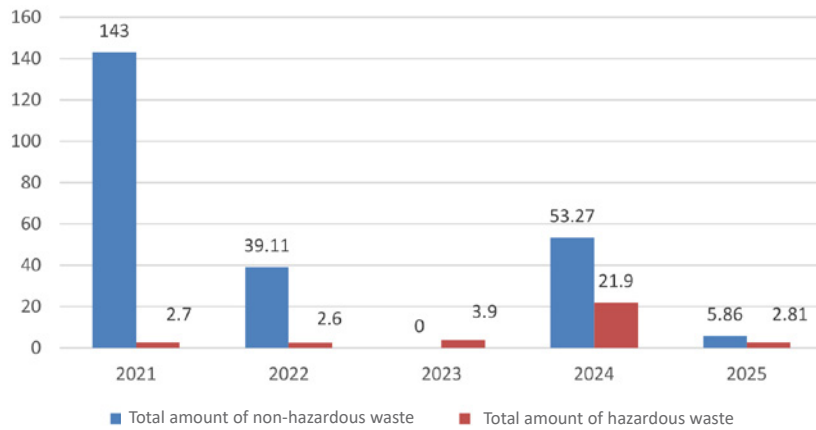
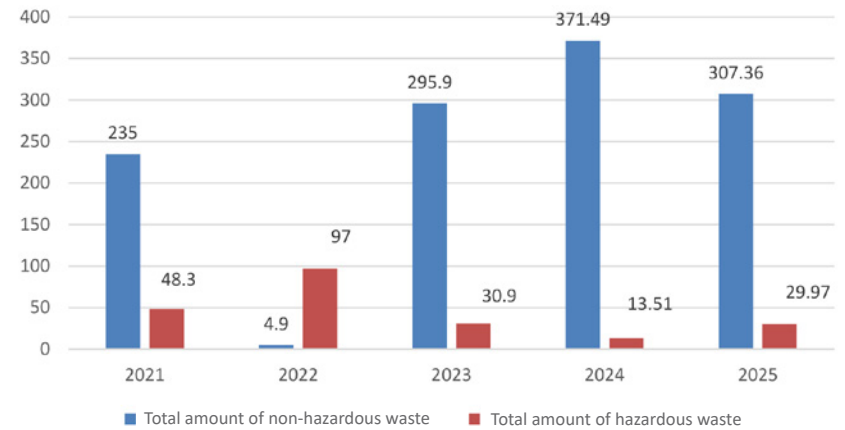


Diagram 14 Total quantity of non-hazardous waste and hazardous waste* in electricity distribution companies: Sarajevo, Tuzla, Bihać, Zenica, Travnik and Mostar, for the period 2021 - 2025 (t)





8. Implementation of environmental and water permit conditions

Thermal power plants

TPP Tuzla and TPP Kakanj implement all measures required by valid environmental and water permits, as part of their regular business activities.

TPP Tuzla

Implementation of environmental permit conditions

TPP Tuzla has a legally binding Decision on the Environmental Permit (Document number: UPI 05/2-02-19-5-242/21 MK of 01 August 2022) issued by the FBiH Ministry of the Environment and Tourism. In order to implement the conditions of the Environmental Permit, TPP Tuzla produced an Action Plan.

The environmental permit stipulates:

- general measures to protect air, soil, water, flora and fauna;
- measures to prevent and minimize air emissions,
- measures to prevent and minimize waste generation; and
- measures to prevent environmental pollution by dumping process products at a landfill.

From the prescribed measures, the following is extracted:

- control the quality of purchased coal and liquid energy sources;
- avoid procuring different types and assortments of coal for TPP “Tuzla”, and equalize all coal quality characteristics in order to achieve the effects of energy efficiency of the boiler plant and ensure the stability of emissions of some pollutants;
- improve the quality of coal, and request additional measures to be taken in the process of coal exploitation and the content of clean tailings in coal to be reduced;
- through the exploitation procedure, reduce the ash content in the purchased coal, increase energy efficiency in order to reduce coal consumption, and consequently reduce the production of slag and ash;
- limit the sulphur content of liquid energy sources (fuel for ignition and combustion support) of type light fuel oil and medium heavy oil (fuel oil), up to a maximum of 1%;
- improve the operational management and maintenance of the plant,

- optimize the existing technological and technical solutions, in order to reduce air pollution parameters;
- increase the frequency of control or preventive technical inspections of the plant; and
- increase the placement of slag and ash in the construction industry.

With the renewed environmental permit, it is allowed that TPP “Tuzla” can burn used mineral oils (I and II category of oils produced during the maintenance process of the TPP “Tuzla” plant), which meet the requirements of heating oil and fuel oil installations, in the boilers of the Thermal Power Plant.

In accordance with the applicable regulations, all the necessary reports were submitted to the competent institutions (Monthly Report on the Validation of Measurement Data of Air Pollutant Emissions, Annual Report on Continuous Emission Measurements, Report on the Quantities of Waste Generated (Environmental Fund application), Report on the Verification of the Correctness of Monitoring in accordance with AST-BAS EN 14181 and QAL2-BAS EN 14181, entry of the required data into the PRTR application for Federal Ministry of Environment and Tourism, Report on Extraordinary Measurements of Air Emissions, Report on Radioactivity in the Production Process and in the Immediate Vicinity of TPP Tuzla, Report on Soil and Water Analyses. The Federal Ministry of Environment and Tourism was continuously informed about significant changes in the operation of the plant.

Implementation of the water permit conditions:

- the Preliminary Design for the treatment of all wastewater was completed and an expert review of it was carried out,
- obtaining urban approval for the construction of wastewater treatment facility is in the process,
- based on the letter no: 05/02-19-651/24, sent by the Federal Ministry of Environment and Tourism, we are informed that it is not necessary to obtain an environmental permit for the construction of wastewater treatment facility,
- based on the decision of the Directorate of the Company JP EP BiH, the activities of the preparation of the Main Design and the construction of the plant were separated.
- the public procurement procedure for the development of the Main Design has been initiated.

TPP Kakanj

TPP Kakanj has a legally binding Decision on the Environmental Permit (Document number: UPI 05/2-02-19-5-185/21 MK of 22 August 2022) issued by the FBiH Ministry of the Environment and Tourism. The environmental permit is valid until 22 August 2027. Upon receipt of the Decision, an Expert Team was appointed to monitor the implementation of the obligations under the permit.

The environmental permit stipulates:

- general measures to protect air, soil, water, flora and fauna;
- measures to prevent and minimize air emissions,
- measures to prevent and minimize waste generation; and
- measures to prevent environmental pollution by disposing of slag and ash at the landfill.

From the prescribed measures, the following is extracted:

- wetting the landfill of process products as necessary,
- wetting of coal depots carried out as needed,
- temporary use of a 100 m-high chimney was completed on 27 November 2025, which was notified to the Federal Ministry of Environment and Tourism; the system of dedusting on ash silos was regularly maintained,
- drainage of Duboki potok into Slapnički potok,
- the implementation of the Main Design for the repair of damage to the collector of Slapnički potok has begun,
- within Phase I of landfill reclamation, 3.5 ha of landfill space was recultivated,
- within Phase II, on an area of approx. 2 ha, the technical reclamation of the landfill was completed,
- a new phase of landfill space reclamation was contracted, where the disposal of slag and ash was permanently completed,
- completed part of the expropriation of land around the landfill,
- extended conveyor for the disposal of slag and ash,
- implemented Waste Management Plan,
- regular primary waste management and disposal in the thermal power plant,
- implemented preventive measures from the Large-Scale Accident Prevention Plan,
- regularly serviced pollutant emission gauges,

- regularly analysed coals,
- continuously monitored coal combustion process in boilers,
- continuously monitored operation of hybrid filters, as well as bag filters on ash silos,
- implemented corrective measures in order to maintain the functionality of the plant,
- regularly monitored data on the measurement of air emissions,
- regularly serviced air pollutant emission gauges of Units 5, 6 and 7,
- implemented quality control of coal and liquid energy products,
- during the air pollution episodes in Kakanj, which were declared during October and December 2025, the thermal power plant applied the Plan of Intervention Measures in Cases of Excessive Air Pollution in Kakanj,
- realized purchases of heating oil (kindling fuel), with a sulphur content of up to max. 1%,
- in accordance with possibilities, partially implemented improvement of operational management and maintenance of plants and facilities – where priority is given to regimes and production units with lower emissions of pollutants into the air,
- regularly monitored operation of hybrid filters,
- regularly maintained cooling and lubrication systems on the turbo-generators of Units 5, 6 and 7,
- regularly maintained transformer oil wells,
- taken corrective actions to reduce the consumption of raw water and the quality characteristics of discharged wastewater within the permitted limits,
- for different operating modes of the unit, optimized raw water consumption for slag quenching (regulation of capacity of raw water pumps),
- wastewater from the chemical water preparation plant is directed to the wastewater treatment plant,
- realized sales of slag and ash to the construction industry,
- ongoing implementation of the Contract on the construction of the flue gas desulphurisation plant of Units 6 and 7,
- ongoing procurement procedure for the establishment of a measuring point for air quality monitoring,
- completed anti-corrosion protection of the inner shell of the chimney 300 m,
- published tender for the design and implementation of the flue gas denitrification project on Units 6 and 7,
- monitored parameters of the quality of process wastewater,
- the content of harmful substances in the water of Slapnički potok was brought within the limit values,
- noise level measurement was carried out to monitor and control the impact of

noise, according to the BAS ISO 17025:2005 standard and the provisions of the Law on Noise Protection, and the noise evaluation is carried out according to the international standards ISO 1996/1, 1996/2 and 1996/3, BAS ISO 9612 and BAS EN 60804.

In accordance with applicable regulations, all necessary reports have been submitted to the competent institutions (Environmental Report, Annual Report on Continuous Emission Measurements, Emissions Report with Calculation of the Amount of Compensation to the Environmental Fund, Report on Extraordinary Air Emission Measurements, Report on Amounts of Waste Generated, Report on Used Oils, Report on Waste Generated - Environmental Fund Application, PRTR Report, Report on Extraordinary Air Emission Measurements and Report on Noise Measurements)).

Implementation of the water permit conditions:

- Report on the implementation of the planned activities from Annex B of the Decree was submitted to the Sava River Basin Agency and the Federal Ministry of Environment and Tourism,
- continuously monitored TOV operation,
- the Main Design of the landfill was developed and revised, including the system for collecting, treating and discharging precipitation contaminated water into the defined recipient,
- regular testing of the quality of treated sanitary and faecal waters,
- taken corrective actions to reduce the consumption of raw water and the quality characteristics of discharged wastewater within the design or permitted limits,
- optimized raw water consumption for slag quenching (regulation of capacity of raw water pumps),
- wastewater from the chemical water preparation plant directed to the wastewater treatment plant,
- monitored parameters of the quality of process wastewater,
- the EBS measurement performed,
- analysed quality of discharged water (treated wastewater, sanitary wastewater, water from Slapnički Potok, water from the separator and water from the precipitator-Hrasno).

Hydroelectric Power Plants on the Neretva River

The Adriatic Sea Watershed Agency has issued water permits for the following plants:

- HPP Jablanica plant (Document number: UP/40-1/21-4-38-3/21, of 17 July 2023),
- HPP Grabovica plant (Document number: UP/40-1/21-4-39/21, of 02 September 2022),
- HPP Salakovac plant (Document number: UP/40-1/21-4-40/21, of 02 September 2022),

HPP on the Neretva River regularly conducts activities on the analysis of environmental requirements, as follows:

- water quality protection ,
- air quality protection,
- waste management,
- minimizing negative impacts produced by noise,
- minimizing the negative impact on flora and fauna.

Monitoring

As for the wastewater monitoring, the following activities have been implemented:

- Report on monitoring the quality and quantity of wastewater for the HPP Jablanica plant number: 7-402-4285/25 of 16 June 2025;
- Report on monitoring the quality and quantity of wastewater for the HPP Jablanica plant number: 7-1015-9198/25 of 12 December 2025;
- Report on monitoring the quality and quantity of wastewater for the HPP Grabovica plant number: 7-435-4289/25 of 16 June 2025;
- Report on monitoring the quality and quantity of wastewater for the HPP Grabovica plant number: 7-1016-9199/25 of 12 December 2025;
- Report on monitoring the quality and quantity of wastewater for the HPP Salakovac plant number: 7-436-4290/25 of 16 June 2025;
- Report on monitoring the quality and quantity of wastewater for the HPP Salakovac plant number: 7-1017-9201/25 of 12 December 2025;

Water regime monitoring;

- The working unit for energy affairs and operational management continuously monitors the water regime throughout the year.

9. Environmental Management System



TPP Tuzla

In February and March 2025, internal audits of the IMS-integrated management system (quality and environment) in TPP Tuzla were successfully conducted. The process risks for 2025 were defined, the QMS objectives were defined, customer satisfaction surveys were conducted, and the System was reviewed. The first supervisory audit was successfully performed on 13 August 2025 and 14 August 2025. The Institute for Certification of Systems, ICS d.o.o. Sarajevo, confirmed in the Audit Report that confirmed that there was not any non-compliance or any need for corrective actions of the integrated system of the integrated business quality and environmental management system at TPP Tuzla, according to the requirements of the ISO 9001:2015 and ISO 14001:2015 standards.

The certification audit of the Energy Efficiency System (EnMS) according to the ISO 50001:2018 standard was successfully implemented on 03 November 2025 (Phase I) and 20 and 21 November 2025 (Phase II). Previously, the projects of energy audit of the production process were implemented, the energy goals and risks of EnMS were adopted, the energy policy of TPP Tuzla was adopted, the Rules of Procedure and Context of TPP Tuzla were amended in accordance with the requirements of EnMS, EnMS procedures were developed, an internal audit of the EnMS process was conducted and the system was reviewed by the Management. During the audit, there were no inconsistencies or need for corrective actions.

TPP Kakanj

On 7 and 8 July 2025, TPP Kakanj, as part of regular system maintenance activities, reviewed the documentation for the supervisory audit II according to ISO standards - the supervisory audit was carried out by TUV NORD Adriatic d.o.o. Zagreb.

The thermal power plant has recertified its environmental management system, according to the requirements of the ISO 14001:2015 Standard. The obtained certificate is valid until 24 August 2026.

By introducing and certifying the environmental management system according to the requirements of the ISO 14001 Standard, the thermal power plant received a quality tool for harmonizing its work with legislation and standards in the field of environmental protection.

Improvements in the environmental management system defined by the Standard

included the introduction of the following principles:

- to define and publish the environmental policy,
- to constantly familiarize employees with the importance of meeting the environmental legal requirements,
- to define the environmental goals.

Within the accompanying activities, in order to carry out the certification of the environmental management system, the following activities were carried out:

- The Quality and Environmental Policy of TPP Kakanj has been updated
- An internal audit and assessment of the compliance of the thermal power plant with the environmental requirements in all organizational units were carried out
- Environmental management system documents have been innovated
- The list of legal and other applicable environmental requirements was updated
- Re-identification and assessment of the significance of environmental aspects was carried out
- The Waste Management Plan of the thermal power plant has been updated
- A new Large-Scale Accident Prevention Plan has been developed
- Environmental Management System framework and operational objectives have been updated
- Practical check of preparedness in case of occurrence of environmental incidents was carried out
- Other activities were carried out in order to maintain and improve the environmental system.

Hydroelectric Power Plants on the Neretva River

The HPPs on the Neretva River developed the Integrated Management System (IMS) Improvement Programme for 2025/2026, based on which the following activities were carried out:

- A meeting was held on ISU review by the management no. 02-31-3-2857-1/2025, of 26 May 2025,
- Minutes of the review of the Energy Management System (ISO 50001:2018) were prepared by the management no. 02-31-3-2933-1/2025, of 26 May 2025,
- An Internal audit was conducted in all plants/sectors concluding with December

2025;

- The assessment of work compliance with legal and other environmental requirements was reviewed in February and April 2025,
- A summary report on compliance with legal and other environmental requirements was prepared in May 2025,
- Given recommendations for improvement from the external audit held on 29 May 2025,
- Given quality, environmental and energy objectives with implementation programmes no. 02-31-3-5079-1/2025 of 27 October 2025.

ED Tuzla

The External Audit of Environmental Management System BAS EN ISO 14001 was completed in July 2025, with an audit of the System according to ISO 9001 and Management System according to ISO 50001, which together constitute the Integrated Management System - IMS. The Subsidiary continuously work to improve the relationship with the environment, through a systematic approach to waste management, control of environmental aspects, identification and implementation of legal regulations, fulfilment of set environmental objectives, and corrective measures. With the implementation of the energy efficiency management system, it is planned to further improve the relationship of the Subsidiary with the environment, because by achieving energy savings, raw materials are consequently saved and energy reserves are preserved, which results in a positive environmental effect.

The environmental management, which is recognized as a separate process, was evaluated in terms of determining the context of organization and potential risks, and measures for identified risks and possible situations were considered.

ED Sarajevo

The service of recertification of the Quality Management System in accordance with ISO 9001:2015 and certification of the Energy Management System (EMS) in accordance with ISO 50001:2018 was carried out at the end of June 2024 by the certification company "TuvNord". The subsidiary "Elektro distribucija", Sarajevo has obtained certificates of ISO 9001:2015 and ISO 50001:2018 standards with a validity period until 21 August 2027 with the mandatory implementation of annual supervisory audits. Supervisory audit of the management system is planned for February 2026.

In the field of environmental management, the Subsidiary is continuously working to improve the relationship with the environment, through a systematic approach to waste management and implementation of regulations. In accordance with the procedure of Monitoring, identification and assessment of legal and other requirements in the field of environmental management, in 2025, a regular annual assessment of the existence of conditions for the implementation of legal and other requirements in the field of environmental management for the field of activity of the subsidiary Electricity Distribution Company Sarajevo was carried out. In accordance with the procedure of Waste Management, seventeen (17) Construction Waste Management Plans were developed in 2025.



10. Environmental protection within the scope of the development of electric power facilities

TPP Tuzla

Preparatory activities for reclamation of combustion product landfills Divkovići and Plane

The Association “Aarhus Centre in BiH” from Sarajevo sued the Federal Ministry of Environment and Tourism before the Cantonal Court in Sarajevo for issuing an Environmental Permit for the closure of the Divkovići and Plane landfills. As the reason for filing the lawsuit, the “Aarhus Centre in BiH” stated that the public’s comments were not respected. On 29 December 2025, the Cantonal Court in Sarajevo issued a judgment and rejected the lawsuit of the Association “Aarhus Centre in BiH”.

In accordance with the obligations from the Environmental Permit number UPI 05/2-23-11-235/18 MV for the closure of the landfills, the development of the Preliminary Design for the rehabilitation and closure of the Plane and Divkovići landfills (Reclamation Project) has been completed.

The Preliminary Design for the rehabilitation and closure of Plane and Divkovići slag and ash landfills was submitted to the Ministry of Agriculture, Forestry and Water Management of the Tuzla Canton for consideration, assessment and approval in accordance with Article 51 of the Instruction on the Mandatory Uniform Methodology for the Development of Reclamation Projects. By the end of 2025, the project of closing the Plane and Divkovići landfills has not obtained the necessary approval for the continuation of reclamation activities.

Preparatory activities for the construction of a desulphurization plant in TPP Tuzla - Unit 6

JP Elektroprivreda BiH d.d. Sarajevo signed a contract with a consultant for the construction of a flue gas desulphurization plant at Unit 6. The Consortium selected as a consultant is: ILF Consulting Engineers Polska sp. Z.o.o, Poland, EMG Consult EOOD, Bulgaria, ENOVA d.o.o. Sarajevo, Saraj inženjering d.o.o. Sarajevo, represented by ILF Consulting Engineers Polska sp. Z.o.o., Poland. The contract with the consultant has been partially implemented and due to the objective impossibility of its further implementation, the procedure of its amicable termination is in progress, which was agreed by both parties. The existing Consulting Services Agreement under Annex 2 is valid until 31 January 2026.

The Unit 6 Desulphurization Project has obtained the Environmental Permit number:

UPI 05/2-02-19-5-92/20 MV of 12 May 2022, issued by the Federal Ministry of Environment and Tourism, and the FBiH Ministry of Physical Planning has the urban approval number: UPI-02-19-2-1326/24 (issued on 17 April 2025).

During the process of obtaining an urban approval, the opinion was obtained for the construction of a flue gas desulphurization plant at Unit 6 of TPP Tuzla from the Ministry of Physical Planning and Environmental Protection of the Tuzla Canton number: 12-04/1-19-001444/25, on 18 February 2025. The opinion obtained is positive in all aspects considered.

During 2025, a negotiation procedure was carried out with a qualified bidder for the construction of a flue gas desulphurisation plant in Unit 6 with the preparation of the Main Design.

Upon completion of the negotiation procedure, the Bidder will be required to submit a final bid and possibly sign the Contract.

Construction of flue gas desulphurization plants for lignite-fired Units (Unit 4 and Unit 5)

JP Elektroprivreda BiH d.d. Sarajevo adopted the Investment Decision for the construction of a flue gas desulphurisation plant for lignite-fired Units (number NO-27053/25-72/6.2. of 31 July 2025), with the aim of reducing the emission of sulphur dioxide pollutants into the air and achieving the prescribed limit values. The investment envisages the design of the plant, the procurement and delivery of equipment, and the construction of a flue gas desulphurization plant for Units 4 and 5. The preparation of tender documentation for the selection of the contractor is in progress, the obligation of which will be the preparation of the Preliminary, Main and As-Built Design, preliminary field works and the preparation of documents necessary for obtaining permits (environmental, urban, construction), review of the Main Design, construction works, delivery of equipment and construction of the plant, functional tests, trial run, proof of guarantees.

Construction of the denitrification plant for Units 4, 5 and 6

JP Elektroprivreda BiH d.d. Sarajevo adopted the Investment Decision for the project - Construction of a denitrification plant for lignite-fired Units. Making an Investment Decision is an important step towards the modernization of the plants and harmonization with European environmental standards.

With the construction of the denitrification plant, a significant reduction of NOx emissions to values below 200 mg/Nm³ is envisaged at Units 4, 5 and 6 of TPP Tuzla.

With the realization of the project, emissions from Units 4, 5 and 6 would be in accordance with Directive 2010/75/EU, which Bosnia and Herzegovina has assumed through membership and obligations in the European Energy Community. The project is planned for the period from 2026 to 2028.

Wastewater treatment

The project for the construction of a wastewater treatment plant in TPP Tuzla is in the planning and preparation phase, with clearly defined steps and legal framework. The Preliminary Design for the construction of the plant - Wastewater Treatment in TPP Tuzla was developed and adopted. An Investment Decision was made for the development of the Main Design. The development of the Main Design is planned for 2026, which would ensure the continuation of activities in accordance with the applicable regulations and decisions of the competent institutions.

The FBiH Ministry of Environment and Tourism has issued a Decision concluding that it is not necessary to obtain a special environmental permit for the construction of a wastewater treatment plant in TPP Tuzla. The public procurement procedure for the development of the Main Design has been initiated.

Development activity of experimental co-firing of coal and alternative fuel

JP Elektroprivreda BiH d.d. Sarajevo has obtained the necessary approvals from the FBiH Ministry of Environment and Tourism for the implementation of development activities. The development activity of experimental co-firing of coal and alternative fuel is coordinated by the Strategic Development Sector of the Company's Directorate.

The experimental co-firing of the coal mixture (approx. 96-98%) and alternative fuel SRF/RDF (approx. 2-4%) should last for a maximum of 2 days, with mandatory monitoring of air, water and soil emissions. Air emissions monitoring is contracted by an accredited TQM laboratory.

In its opinion on the implementation of development activities (number: 05-19-985/24 of 13 February 2025), the FBiH Ministry of Environment and Tourism gave its consent to the implementation of the experimental co-firing, provided that the public is informed at least seven days before the start of the co-firing. TPP Tuzla was obliged to inform the FBiH Ministry of Environment and Tourism, the competent inspection, local communities and the City of Tuzla about the planned co-firing. After the request for termination of the implementation of the experimental co-firing submitted by NGOs, local communities and the Tuzla City Council, the development project of co-firing of coal with alternative

fuel in TPP Tuzla was suspended. After the co-firing process was suspended, a mixture of coal and alternative fuel SRF/RDF (4900t of coal and 100t SRF/RDF) remained at the Coal Supply depot. There is currently no suitable solution for incineration or disposal for this mixture. During the summer months, there is an increased risk of self-ignition, which could cause additional air pollution.

TPP Kakanj

JP Elektroprivreda BiH d.d. Sarajevo and project manager Zhu Weilin on behalf of the Consortium Dongfang Electric International Corporation China, ITC d.o.o. Zenica, State Power Investment Group Yuanda Environmental Protection Engineering Co. Ltd. China, Saraj inženjering d.o.o. Sarajevo, Winner d.o.o. Sarajevo, Firing d.o.o. Visoko, have initiated the implementation of the Contract on the project for the construction of a flue gas desulphurization plant in TPP Kakanj. The project involves the construction of a joint plant for Units 6 and 7.

The value of the investment financed by JP Elektroprivreda BiH d.d. Sarajevo with its own funds is BAM 126.4 million (EUR 62.8 million). The implementation deadline is 36 months.

The project is implemented in accordance with:

- Energy Community Directives that, after 2027, impose a ban on work of Thermal Units, without desulphurisation and denitrification plant,
- obligations from the National Emission Reduction Plan of BiH (NERP BiH), and
- obligations from the Strategy of Energy Transition and Decarbonisation of JP Elektroprivreda BiH until 2050.

The basis for the implementation of the project are also the FBiH Law on Air Protection, the FBiH Rulebook on Limit Values for Air Emissions from Combustion Plants, and the Environmental Permit for operation, which states the obligation to build a desulphurisation plant in TPP Kakanj by 22 August 2027.

During 2025, as part of the desulphurization project, anti-corrosion protection of the inner shell of the chimney 300 m was carried out.

Also, a tender was prepared and published for the design and construction of flue gas denitrification plants on Units 6 and 7.

With the construction of these plants, the operation of the Units will be possible even after 01 January 2028.

With the desulphurisation project in the thermal power plant, our Company provides the production of electricity from its own sources for the needs of supplying domestic customers as well as thermal energy for the needs of heating the city of Kakanj. The special importance of the implementation of the project is also reflected in the reduction of the impact of the operation of thermal units on the environment, further improvement of cooperation with the local community and the continuation of the operation of mines that supply coal to the thermal power plant.

In 2025, TPP Kakanj co-fired wood biomass and coal in boilers 5, 6 and 7 in the ratio of 5% of biomass and 95% of coal mixtures, based on the positive results obtained from the implemented Pilot Project of Co-Firing Coal with Waste Wood Biomass, which was completed in February 2022.

During 2025, the thermal power plant used 18,290 tons of biomass.

Within its competences, TPP Kakanj participates in the preparation of a feasibility study of the use of gas in electricity production.

HPPs on the Neretva River

- Procurement and installation of equipment for HM stations “Gorani” Bijeli potok and drainage channels in HPP Jablanica have been completed.
- Completed rehabilitation of torrential barriers on the torrents of HPP Jablanica, HPP Grabovica and HPP Salakovac.
- The preparation of the study for the measurement of sediments and energy profiles in plants has been completed.

ED Sarajevo

Thirteen (13) new transformer substations were built and put into operation in 2025. Nine (9) of these are cable-freestanding, and four (4) are pole-mounted transformer stations. All new power facilities are designed with hermetically sealed oil transformers. Under each transformer in the cable transformer stations, the foundations are designed in such a way as to enable the collection of the entire amount of power transformer oil (oil sump with a volume at least 0.6 m³, oil-tight) in order for the technical performance to meet environmental protection standards.

On the basis of investment decisions, 4,518 new low-voltage connections, 10(20) kV medium-voltage lines in the length of 11.90 km and 0.4 (kV) low-voltage lines in the

length of 68.77 km were built in 2025. Two (2) 10(20)/0.4 kV transformer stations, 5.34 km medium voltage lines, 1.93 km of low voltage lines and 21,255 pieces of calculation measuring points (CMPs) were reconstructed. Also, the reconstruction of oil sumps was carried out in TS 35/10 kV Bjelašnica, TS 35/10 kV Igman, TS 35/10 kV Nišići and TS 35/10 kV Ilijaš.

ED Zenica

Thirty-two (32) new transformer substations were built and put into operation in 2025. All new power facilities are designed with hermetically sealed oil transformers. Under each transformer in cable transformer stations, the foundations are designed in such a way as to enable the collection of the entire amount of power transformer oil (oil sump with a volume of at least 0.6 m³, oil-tight) in order for the technical performance to meet environmental protection standards.

On the basis of investment decisions, 1,568 new low-voltage connections, medium-voltage lines in the length of 38.02 km and low-voltage lines in the length of 121.85 km were built in 2025.

Twelve (12) 10(20)/0.4 kV transformer stations, 5.26 km medium voltage lines, 6.58 km of low voltage lines and 5979 pieces of billing metering points (OMM) were reconstructed.

ED Travnik

Nine (9) new transformer substations were built and put into operation in 2025. All new power facilities are designed with hermetically sealed oil transformers. Under each transformer in cable transformer stations, the foundations are designed in such a way as to enable the collection of the entire amount of power transformer oil (oil sump with a volume of at least 0.6 m³, oil-tight) in order for the technical performance to meet environmental protection standards.

Based on investment decisions, in 2025, 881 low-voltage connections, medium-voltage lines in the length of 19.08 km and low-voltage lines in the length of 39.51 km were built.

4,983 pieces of calculation measuring points (OMM) were reconstructed.

ED Bihać

As part of the electricity distribution activity, new power facilities were built, and the existing power facilities were reconstructed.

When it comes to measures taken to protect the environment, in all activities involving investments or regular EEO maintenance, approved materials are used that are installed in accordance with the Technical Recommendations of JP Elektroprivreda BiH d.d. Sarajevo, so that the entire environment (facilities and population) is protected from our facilities and plants to the extent required by technical instructions, norms and procedures.

In 2025, there was no construction and installation of power plants and facilities for which it is necessary to obtain an environmental permit in accordance with the Federal Regulation on plants and facilities that are subject to the obligation to obtain an environmental permit.

When demolishing, removing and rehabilitating the existing buildings in accordance with the Rulebook of JP Elektroprivreda BiH d.d. - Sarajevo on environmental protection, construction waste, especially if it contains hazardous substances (asbestos, etc.) was properly disposed of. Mixed waste generated during construction and assembly was also removed from the site, and secondary raw materials were temporarily disposed of.

ED Tuzla

Sixteen (16) new transformer substations were built and put into operation in 2025. Thirteen (13) of these are cable-freestanding, and three (3) are pole-mounted transformer stations.

All new power facilities (10(20)/0.4 kV transformer stations) built in 2025, were designed with hermetically sealed oil transformers, and under each transformer in the cable transformer stations the foundations were designed in such a way as to enable the collection of the entire amount of power transformer oil (oil sump of volume of at least 0.6 m³, oil-tight) in order for the technical performance to meet the environmental protection standards. During the construction of new power facilities in accordance with the technical possibilities, it is foreseen that the transformer substations of the pole-mounted design will not be located in the water protection zone.

On the basis of investment decisions, 3,196 new low-voltage connections, 10(20) kV medium-voltage lines in the length of 11.06 km and 0.4 (kV) low-voltage lines in the length of 245.52 km were built in 2025. One (1) transformer station was reconstructed, of which one (1) is a cable-free-standing, and then the medium-voltage lines with a route length of 1090 m, low-voltage lines 491 m long and 485 units of calculation measuring points (CMP) were reconstructed.

ED Mostar

All new power facilities (10(20)/0.4 kV transformer stations) built in 2025, were designed with hermetically sealed oil transformers, and under each transformer in the cable transformer stations the foundations were designed in such a way as to enable the collection of the entire amount of power transformer oil (oil sump of volume of at least 0.6 m³, oil-tight) in order for the technical performance to meet the environmental protection standards.

Care was taken that the pole-mounted transformer stations were not located in the water protection zone.

11. Capital investments



HPP Janjići

NGO initiated an administrative dispute requesting the annulment of the Conclusion of the FBiH Ministry of Environment and Tourism regarding the environmental permit for HPP Janjići. On 28 March 2025, the Cantonal Court in Sarajevo rendered a judgment annulling the Conclusion due to a violation of the rules of administrative procedure and returning the case to the FBiH Ministry of Environment and Tourism for repeated procedure. JP Elektroprivreda BiH provided the necessary information for the preparation of the response to the lawsuit.

HPP Kovanići

The Decision on the approval of the Environmental Impact Study from 2024 was challenged by NGOs. The case is being reviewed by the Supreme Court of the Federation of BiH.

Preparation of environmental flow assessment report

In May 2025, contracts were signed for the preparation of the Report on Environmental Flow for HPP Ustikolina, HPP Janjići and HPP Kovanići, in accordance with the applicable Rulebook on Environmental Flow, for the purpose of meeting the requirements for the continuation of procedures for issuing prior water approvals.

During 2025, two series of measurements were performed for each power plant.

WF Vlašić

At the beginning of 2025, the development of the Study on Critical Habitat Assessment at the Project Site financed by a grant from the European Investment Bank was finalized. It cost €300,000 to create the study.

Based on the amended Request for Preliminary Environmental Impact Assessment for the WF Vlašić construction project, the FBiH Ministry of Environment and Tourism issued a Decision in July 2025, stating that no further environmental impact assessment was necessary through the preparation of the Environmental Impact Study.

WF Bitovnja

Upon the filed Request for Preliminary Environmental Impact Assessment of December 2024 (financed by a grant from KfW), the FBiH Ministry of Environment and Tourism issued a Decision in May 2025, stating that no further environmental impact assessment was necessary through the preparation of the Environmental Impact Study.



12. Drafting the planning and study documents

In the segment of planning and study documents, the following projects/studies were implemented:

Development projects

- Implementation of the project for the DANUBE INTERREG programme – Empowerment of the stakeholders in the implementation of the Directive on the promotion of the use of energy from renewable sources in term of energy storages and energy networks stability (ESINERGY) project

Environmental effect: Increasing production from renewable sources, which leads to a reduction in CO₂ and pollutant emissions.

- Implementation of the project for HORIZON EUROPE - Supporting European R&I Through stakeholder cooperation and institutional reform (INITIATE) project

Environmental effect: Increasing production from renewable sources, which leads to a reduction in CO₂ and pollutant emissions.

- Implementation of the project for IPA ADRION Programme - Adriatic-Ionian Offshore Wind Network of Excellence (ADRIONWIND) project

Environmental effect: Increasing production from renewable sources, which leads to a reduction in CO₂ and pollutant emissions.

- Electromobility development project in EPBiH – pilot projects under implementation:
 - Construction of the infrastructure of public AC charging stations for electric vehicles in Bosnia and Herzegovina
 - Installation of two ultra-fast 150 kW DC charging stations for electric vehicles at petrol station locations
 - Implementation of a Charge Point Monitoring and Management System (CPMS) with billing service

Environmental effect: Reduction of CO₂ and pollutant emissions due to increased use of electric vehicles compared to vehicles with internal combustion engines.

- Project of campaign for measuring wind- and solar energy potential (examining

wind potential and solar energy potential in several localities throughout Bosnia and Herzegovina with the aim of determining suitable locations for the construction of production facilities on these renewable resources),

Environmental effect: Increasing production from renewable sources leading to a reduction in CO₂ and pollutant emissions.

- Development of the WF Bitovnja project.

Environmental effect: Increasing production from renewable sources leading to a reduction in CO₂ and pollutant emissions (approx. 230,000 tons of CO₂ per year)

- Implementation of the pilot project for the construction of roof PVPPs on EPBiH's own facilities

Environmental effect: Increasing production from renewable sources, which leads to a significant reduction in CO₂ and pollutant emissions.

- Pilot project Experimental firing of coal-RDF in TPP Kakanj
- R&D project of exploring the possibility of partial replacement of coal with Arbacore black pellet at Unit 6 of TPP Tuzla – fundamental testing of combustion kinetics (Faculty of Mechanical Engineering Belgrade) and Lab-scale tests (Faculty of Mechanical Engineering Sarajevo).
- Pilot project of test acacia plantations at RU Kreka and RMU Đurđevik (supported by the EBRD) – establishment of a new test plot at RU Kreka 0.5 ha.

Planning and study documents

- Continuation of the Development of projects for the construction of PVPP Power Plants at selected locations in FBiH with a total capacity of 150 MW until the implementation phase

Environmental effect: Increasing production from renewable sources, which leads to a significant reduction in CO₂ and pollutant emissions.

- Participation in the project of just transition of coal regions implemented by WB (EPBiH components: support to the closure of RMU Zenica, construction of PVPP

Dubrave of RU Kreka).

Environmental effect: Reduction of CO₂ and pollutant emissions

- Preparation of the Project Study Full biomass repowering of TPP Tuzla unit, completion of the study and review.

Environmental effect: Reduction of CO₂ (approx. 100 000 t/yr) and pollutant emissions.

- Investment Elaborate Study CCGT Kakanj unit.
- Prepared Study “Design of the system for monitoring the quality of electricity in JP Elektroprivreda BiH d.d. – Sarajevo”

Environmental effect: Increasing energy efficiency in distribution activity, which leads to reduced CO₂ and pollutant emissions.

- Participation in the development of the Indicative Production Development Plan 2026-2035 (in coordination with ISO BiH).

Environmental effect: Increasing production from renewable sources, which leads to a reduction in CO₂ and pollutant emissions.

- Development of the “Battery Energy Storage System Feasibility Study and Preliminary ESIA”

Environmental effect: Increasing production from renewable sources, which leads to a reduction in CO₂ and pollutant emissions.

- Preparation of the Feasibility Study for the construction of the Pumped HPP in EPBiH.

13. Environmental protection costs



In the JP EPBiH, for the time being, no special records are kept on investments and costs for implementation of plans and programmes in the field of environmental protection and natural resources. Funds are planned and realized in the framework of investments and regular maintenance of plants and equipment. There is no harmonized procedure for presenting objective indicators of total costs in implemented activities, which also includes fees for the use of natural resources. For this reason, it is not possible to provide completely accurate and comprehensive data on the total funds spent by the JP EPBiH for these purposes.

Based on the data available during the preparation of this document, the total value of recorded investments and costs amounts to BAM **55.363.814,80**. This amount confirms that environmental protection represents a significant segment of the operations of JP EPBiH, not only in operational but also in financial terms.

Table 4 provides, according to available data, the environmental protection costs by subsidiaries, at the level of the Company's Directorate, and the total costs for JP EPBiH.

Table 4 Environmental protection costs

JP EPBiH	Environmental protection costs
Implemented activities	In KM
TPP Tuzla	836.225,54
TPP Kakanj	15.679.784,13
HPP on the Neretva River	359.450,65
ED Sarajevo	313.603,60
ED Tuzla	352.668,69
ED Zenica	543.826,26
ED Travnik	264.096,39
ED Bihać	635.340,00
ED Mostar	91.895,53
Total 1	19.076.890,79
Environmental protection fees	
TPP Tuzla	
Air pollution fee	1.414.413,98
Compensation according to the Law on the allocation of part of the income generated by the operation of TPP	3.887.485,15
Water protection fee (EBS)	269.800,68
General water management fee	84.800,32
Fee for the use of multipurpose forest functions	0,00
Garbage collection fee	73.745,25
	5.730.245,38
TPP Kakanj	
Air pollution fee	2.291.389,28
Compensation according to the Law on the allocation of part of the income generated by the operation of TPP	2.449.524,49
Water protection fee (EBS)	63.320,04
Water contribution for used water	236.420,22
Utility fees and concessions	1.219.808,52
	6.260.462,55

HPP on the Neretva River	
Special water fees for water use	1.121.207,11
Contributions for hydro-accumulation	13.495.112,38
Contributions for hydro-accumulation (cantonal level)	4.886.585,78
Water protection fee of HPP on Neretva	4.813,40
Utility fees and concessions	246.798,2
	19.754.516,87
Elektro distribucija Sarajevo	
General water fee	60.869,62
Fee for the use of general forest functions	1.472,69
Compensation from the income generated by the use of the hydro-accumulation facility for hydro-accumulation for mHPP Bogatići	104.117,30
Special water fee for Bogatići hydro-accumulation	8.676,37
Special water fee for mHPP Osanica 1	610,84
Concession agreement for mHPP Osanica 1	6.748,37
	182.495,19
Elektro distribucija Tuzla	
General water fee	65.308,27
Fee for the use of general forest functions	0,00
Tax for protection in the event of natural and other disasters	64.082,25
Utility fees and concessions	23.905,73
Water contribution for the use of hydro-accumulation	409.219,61
Water contribution for used water	148.066,79
Municipal waste removal fee	64.926,88
	775.509,53
Elektro distribucija Zenica	
General water management fee	51.336,27
Special tax for protection in the event of natural and other disasters	51.336,27
Fee for the use of general forest functions	0,00
Fee for the use of the road strip	31.506,99
Utility fees and concessions	41.175,13
Garbage collection fee	29.781,12
Other utility services and fees	1.547,25
	206.683,03

Elektro distribucija Travnik	
General water management fee	26.597,75
Special tax for protection in the event of natural and other disasters	26.597,75
Fee for the use of general forest functions	6.375,28
Fee for the use of the road strip	3.238,76
Utility fees and concessions	453.583,72
Garbage collection fee	20.259,93
Other utility services and fees	700,00
	537.353,19
Elektro distribucija Bihać	
General water management fee	44.370,00
Water protection fee	11.000,00
Water contribution for used water	44.530,00
Tax for protection in the event of natural disasters	44.370,00
Utility fees and concessions	172.940,00
Fee for the use of the road strip	38.660,00
Fee for the use of general forest functions	31.970,00
	387.840,00
Elektro distribucija Mostar	
General water management fee	24.347,23
Utility fee	1.432,53
Tax for protection in the event of natural disasters	24.347,23
Fee for the use of the road strip	9.000,80
Fire insurance fee	0,00
Fee for removal of municipal waste	20.866,96
Other utility fees	1.830,27
	81.825,02
Total 2	33.916.930,76
Company Directorate	
Strategic Development Sector	
Development projects	689.752,50
Planning and study documentation	600.000,00
	1.486.380,00
Capital investments	Tokom 2025. godine nije bilo direktnih finansijskih troškova na teret JP EPBiH
Water fees and utility services	883.613,25
TOTAL JP EPBiH	55.363.814,80



Report on Environmental Protection for the Year 2025

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