

ELECTRIC POWER INDUSTRY OF SERBIA

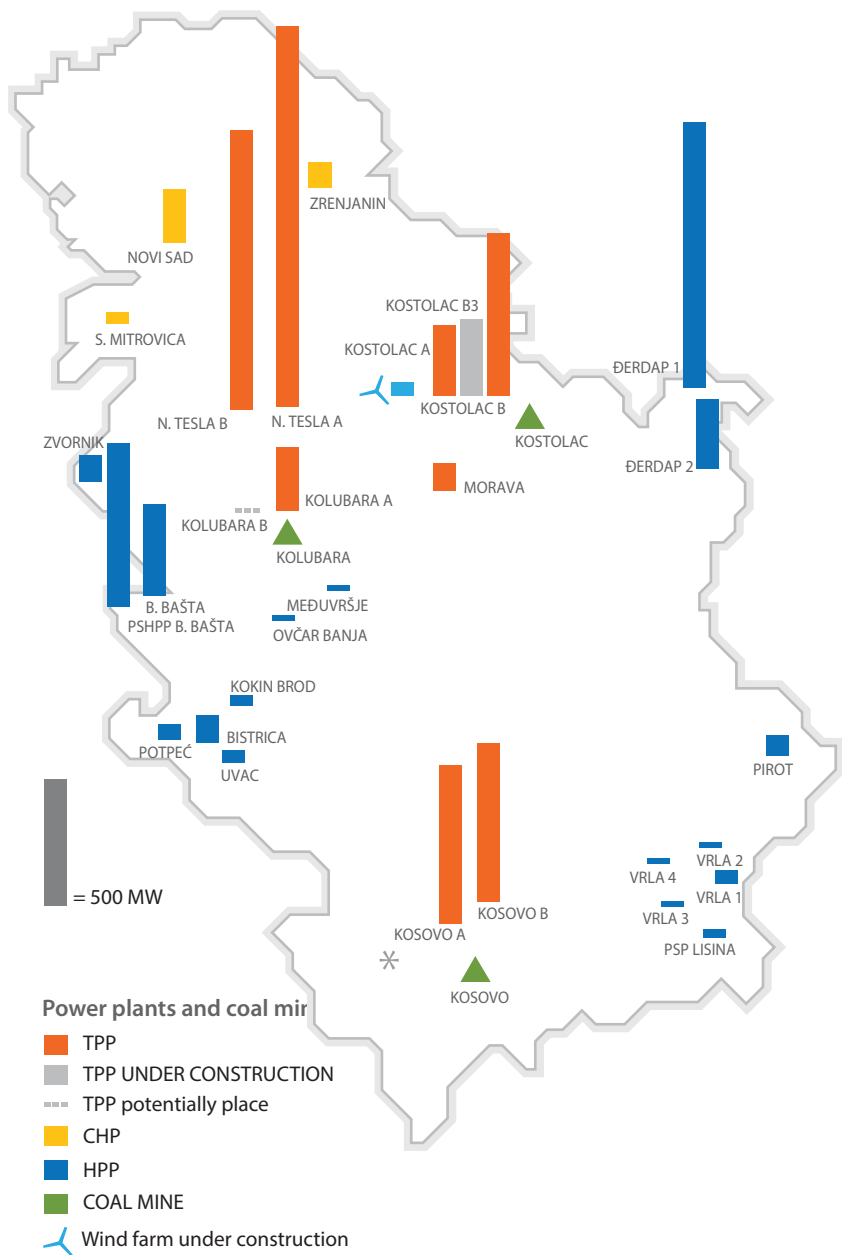
EPS



TECHNICAL REPORT

2023

EPS INSTALLED CAPACITIES



* As of June 1999, EPS does not operate its facilities on the territory of Kosovo and Metohija

EPS 2023

Data related to capacities managed by
Electric Power Industry of Serbia

GENERATION CAPACITIES

Net output capacity

7,405 MW

ELECTRICITY GENERATION

34,720 GWh

COAL PRODUCTION

31,440,875 t

OVERBURDEN REMOVAL

103,937,756 bcm

ELECTRICITY SALE

Consumption in the Republic of Serbia
supplied by EPS

35,543 GWh

Power Exchange/other suppliers/ contracts
on business & technical cooperation

1,658 GWh

ELECTRICITY PURCHASE

Power Exchange/other suppliers/ contracts
on business & technical cooperation

729 GWh

NUMBER OF CUSTOMERS

Total

3,450,324

Guaranteed supply

3,417,690

Last resort supply

73

Commercial supply

32,561

GENERATION CAPACITIES

POWER PLANT	Net output capacity MW
TPP Nikola Tesla A	1,622
TPP Nikola Tesla B	1,220
TPP Kolubara	216
TPP Morava	108
TPP Kostolac A	281
TPP Kostolac B	632
THERMAL Power Plants	4,079
CHP Novi Sad	208
CHP Zrenjanin	75
CHP Sremska Mitrovica	14
COMBINED Heat and Power Plants	297
HPP Djerdap 1	1,140
HPP Djerdap 2	270
Vlasina HPPs	129
HPP Pirot	80
HPP Bajina Bašta	420
PSHPP Bajina Bašta	614
HPP Zvornik	126
HPP Elektromorava	18
HPP Potpeć	51
HPP Bistrica and HPP Kokin Brod	124
HPP Uvac	36
Mini HPPs	21
HYDRO Power Plants	3,029
EPS POWER PLANTS	7,405

ELECTRICITY GENERATION

POWER PLANT	GWh
TPP Nikola Tesla A	7,150
TPP Nikola Tesla B	7,461
TPP Kolubara	225
TPP Morava	356
TPP Kostolac A	1,898
TPP Kostolac B	4,445
THERMAL Power Plants	21,535
CHP Novi Sad	484
CHP Zrenjanin	42
CHP Sremska Mitrovica	0
COMBINED Heat and Power Plants	526
HPP Djerdap 1	6,388
HPP Djerdap 2	1,711
Vlasina HPPs	389
HPP Pirot	91
HPP Bajina Bašta + SPP Brana Lazići	1,922
PSHPP Bajina Bašta	635
HPP Zvornik	619
HPP Elektromorava	79
HPP Potpeć	248
HPP Bistrica and HPP Kokin Brod	441
HPP Uvac	81
Mini HPPs	55
HYDRO Power Plants	12,659
TOTAL	34,720

ELECTRICITY SUPPLY

SALES CHARACTERISTICS

Supply type	Number of metering points	Number of customers	Electricity (GWh)
GUARANTEED	3,619,280	3,417,690	14,101.22
LV I Level	11,032		181.18
CS	3,607,989		13,916.41
LV II Level	230,429		976.30
Households	3,379,434		12,940.11
PL	259		3.63
LAST RESORT	869	73	32.77
HV	-		-
MV and LV	869		32.77
COMMERCIAL	179,946	32,561	15,085.84
HV	39		2,837.61
MV and LV	157,198		11,860.52
PL	22,709		387.70
TOTAL	3,800,095	3,450,324	29,219.83

LV - Low Voltage
MV - Middle Voltage
HV - High Voltage

CS - Consumer Spending
PL - Public Lighting

Power delivered to customers through the GreenEPS Contracts (100% from renewable sources)

1,852.5 GWh

PROSUMERS	Number of metering points	Number of customers	Electricity (GWh)
	2,588	2,172	
	Power taken over from prosumers		59.11
	Power delivered by prosumers		12.89
	DIFFERENCE		46.22

HOUSEHOLD CATEGORY

AVERAGE CONSUMPTION
per month

323 kWh

NUMBER OF METERING POINTS

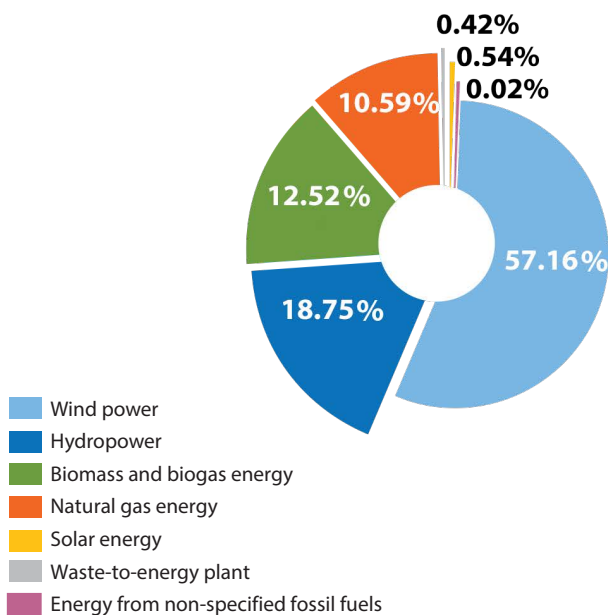
3,379,434

RES FEED-IN TARIFF ELECTRICITY GENERATION

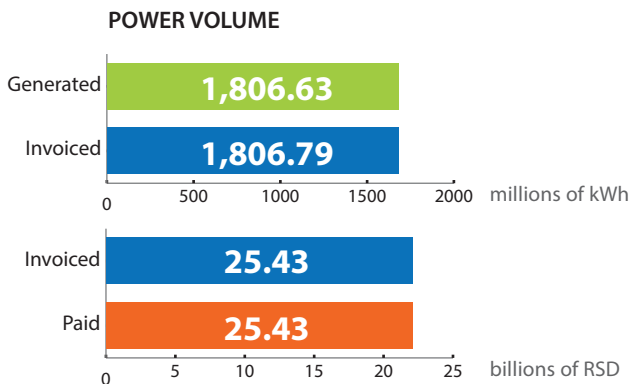
Feed-in tariff electricity volumes

PRIMARY ELECTRICITY SOURCES	(MWh)
Solar energy	9,671.32
Wind power	1,032,695.84
Hydropower	338,827.46
Geothermal energy	0
Biomass and biogas energy	226,172.62
Energy from non-speciyed renewable energy sources	0
Hard coal energy	0
Lignite and bituminous coal energy	0
Natural gas energy	191,405.11
Energy from petroleum and petroleum products	0
Energy from non-speciyed fossil fuels	331.04
Nuclear power	0
Waste-to-energy plant	7,528.37
TOTAL	1,806,631.76

Structure of feed-in tariff electricity generation



PURCHASE OF ELECTRICITY FROM RES BY PRIVILEGED PRODUCERS



242

Number of producers

309

Number of power plants

Fees for privileged electricity producers

0.801
RSD/kWh

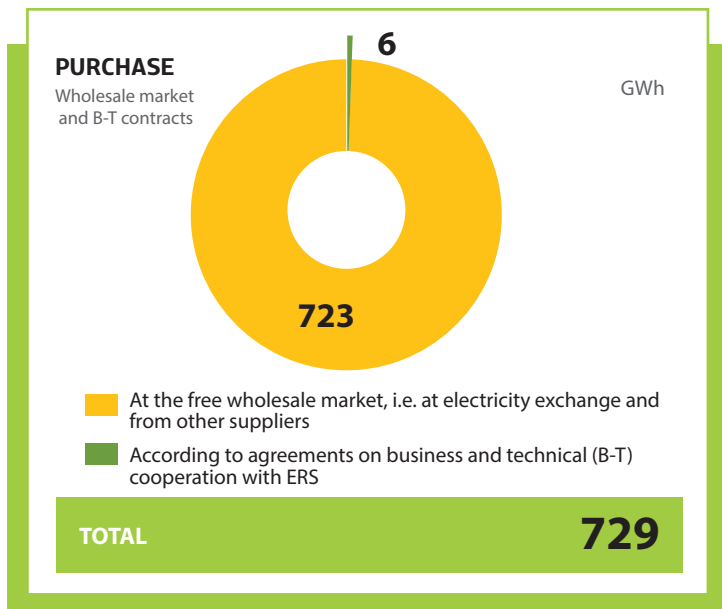
Collected and disbursed funds for incentives for privileged producers

INVOICED AND COLLECTED INCENTIVE FEES	Invoiced	Collected
	(excluding VAT, in billion RSD)	
Guaranteed supplier for end customers	11.29	11.07
Suppliers for end customers	13.10	12.84
Distribution / Transmission system operator for end customers	0.04	0.04
TOTAL	24.43	23.94

ELECTRICITY TRADE

Total scope of electricity trade in
free wholesale market

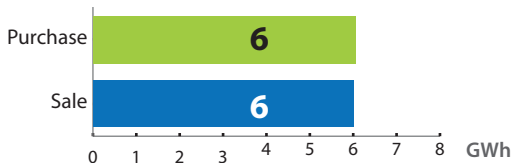
6,589 GWh



*ERS - Electric Power Industry of the Republic of Srpska

Cooperation with Electric Power Industry of the Republic of Srpska

According to agreements on business and technical cooperation



▲ The total sale at SEEPEX amounted to 597 GWh, and the total purchase amounted to 108 GWh. In 2023, EPS JSC started trading on the intraday market on SEEPEX where the total trading volume amounted to 4 GWh.

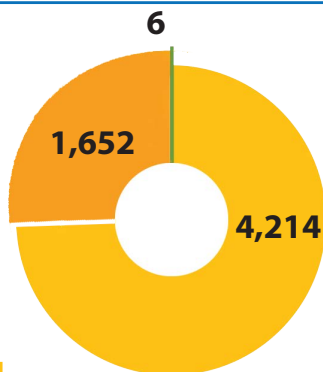
▼ Sales through EPS Trading on the exchanges in Hungary (HUPX), Croatia (CROPEX) and Slovenia (BSP Southpool) amounted to 971 GWh, while the total purchase on these exchanges amounted to 266 GWh. In 2023, EPS JSC also started trading on the exchange in Montenegro (MEPX), and the total volume of trade amounted to 2 GWh.



SALE

Wholesale market
and B-T contracts

GWh



On the free
wholesale
market

- To the Network Operators (EMS and EDS)
- On power exchange and to other suppliers
- According to the contracts on business and technical cooperation with ERS

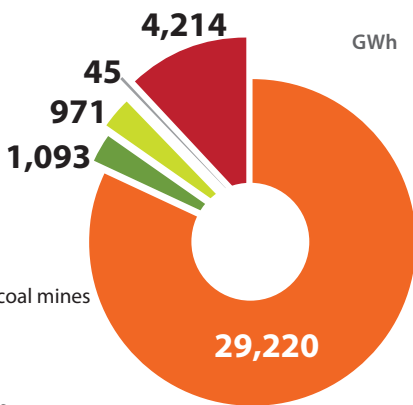
TOTAL

5,872

SALE

In EPS Group

GWh



- End customers
- Power plants and coal mines
- PSHPP and PSP
- PE Elektrokosmet
- Network Operators

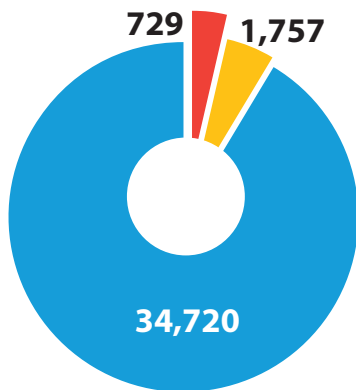
TOTAL

35,543

ENERGY PORTFOLIO REALIZATION BALANCE RESPONSIBLE PARTY EPS

AVAILABLE ELECTRICITY

GWh



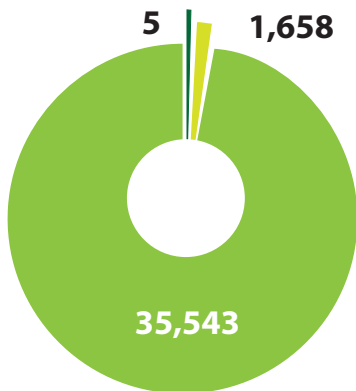
- EPS Generation
- Purchasing - wholesale market and agreements on B-T cooperation
- Purchasing from privileged and other producers outside EPS

TOTAL AVAILABLE ELECTRICITY

37,206

ELECTRICITY DELIVERED

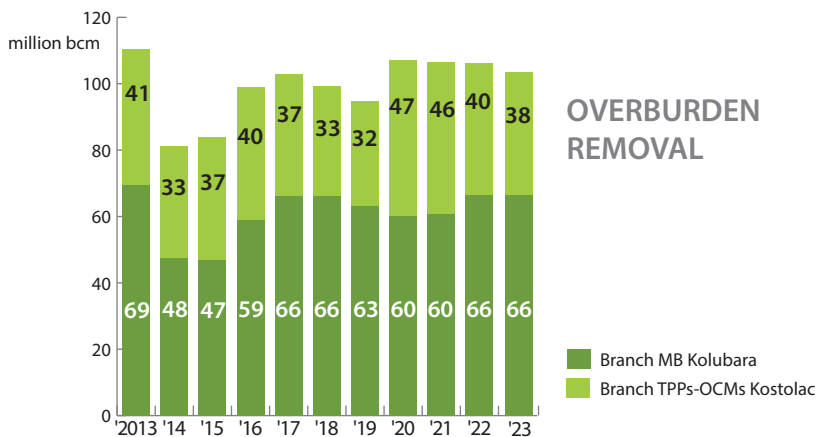
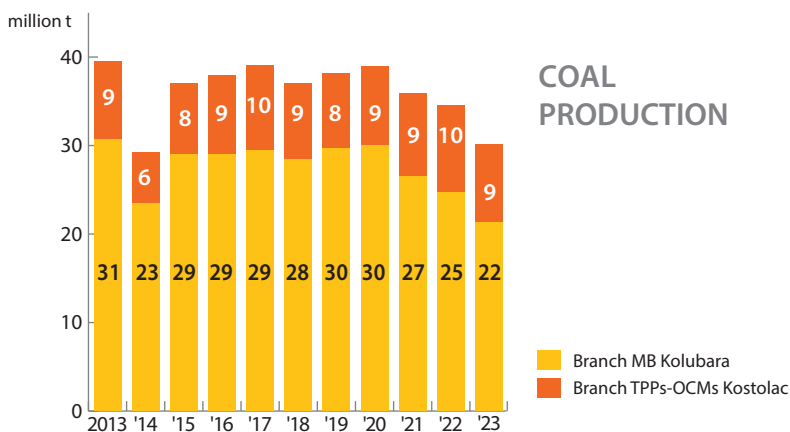
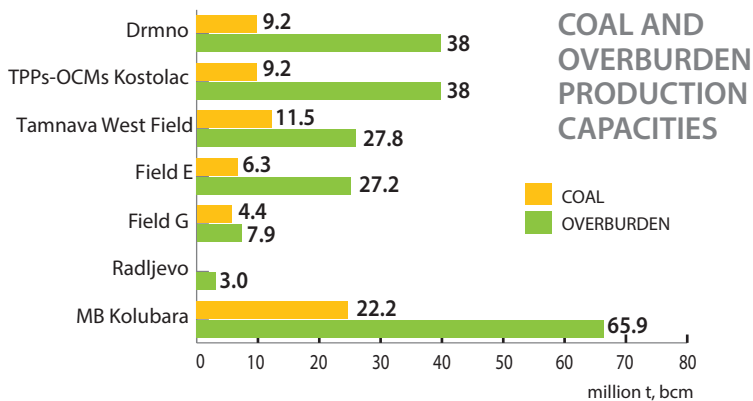
GWh



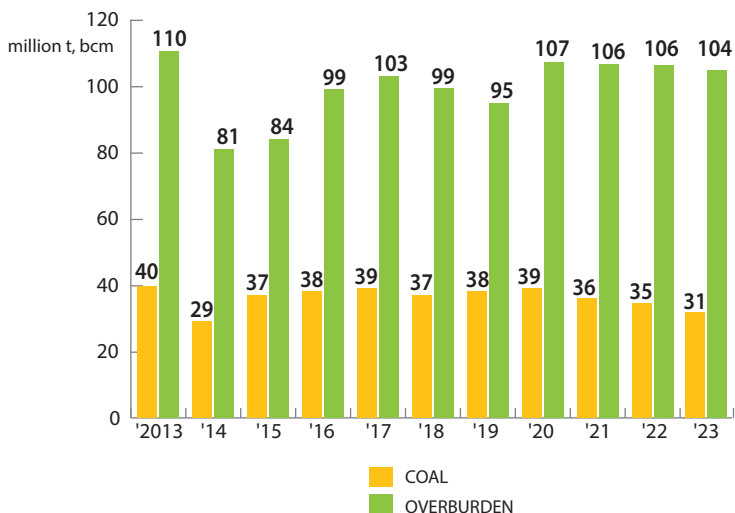
- Consumption in the Republic of Serbia supplied by EPS
- Net sale on balance market of the Republic of Serbia
- Sale - exchanges, other suppliers and contracts on business and technical cooperation

TOTAL ELECTRICITY DELIVERED

37,206



TOTAL COAL AND OVERBURDEN OUTPUT



STRUCTURE OF SUPPLY OF THE PRODUCED COAL

(t)	MB Kolubara	TPPs-OCMs Kostolac	EPS
For TPPs	21,577,388	9,204,738	30,782,126
For drying	416,436	/	416,436
For industry	60	48,513	48,573
For heating plants	193,740	/	193,740
TOTAL	22,187,624	9,253,251	31,440,875

OVERBURDEN REMOVAL

(million t, bcm)	MB Kolubara	TPPs-OCMs Kostolac	EPS
TOTAL	65,886,225	38,051,531	103,937,756

ELECTRIC POWER INDUSTRY OF SERBIA

EPS

