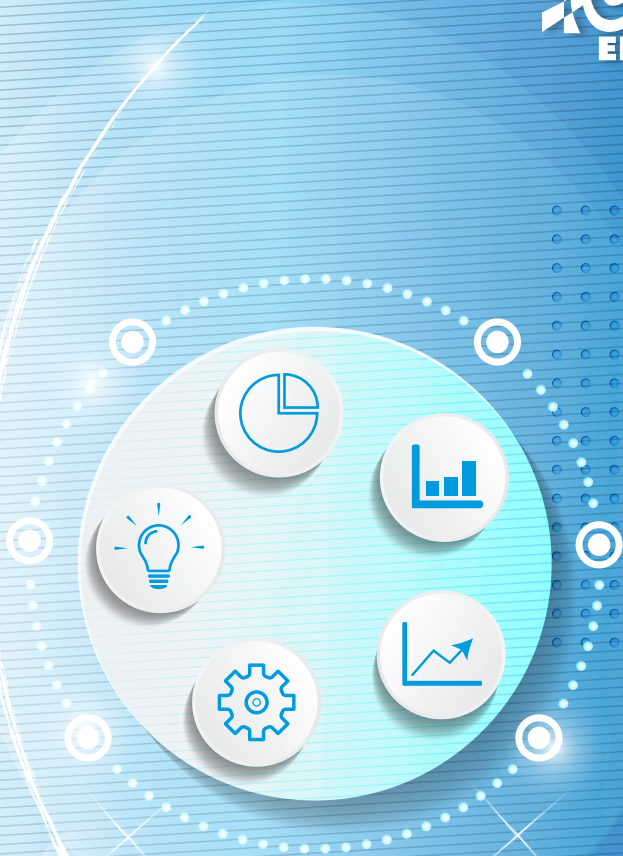


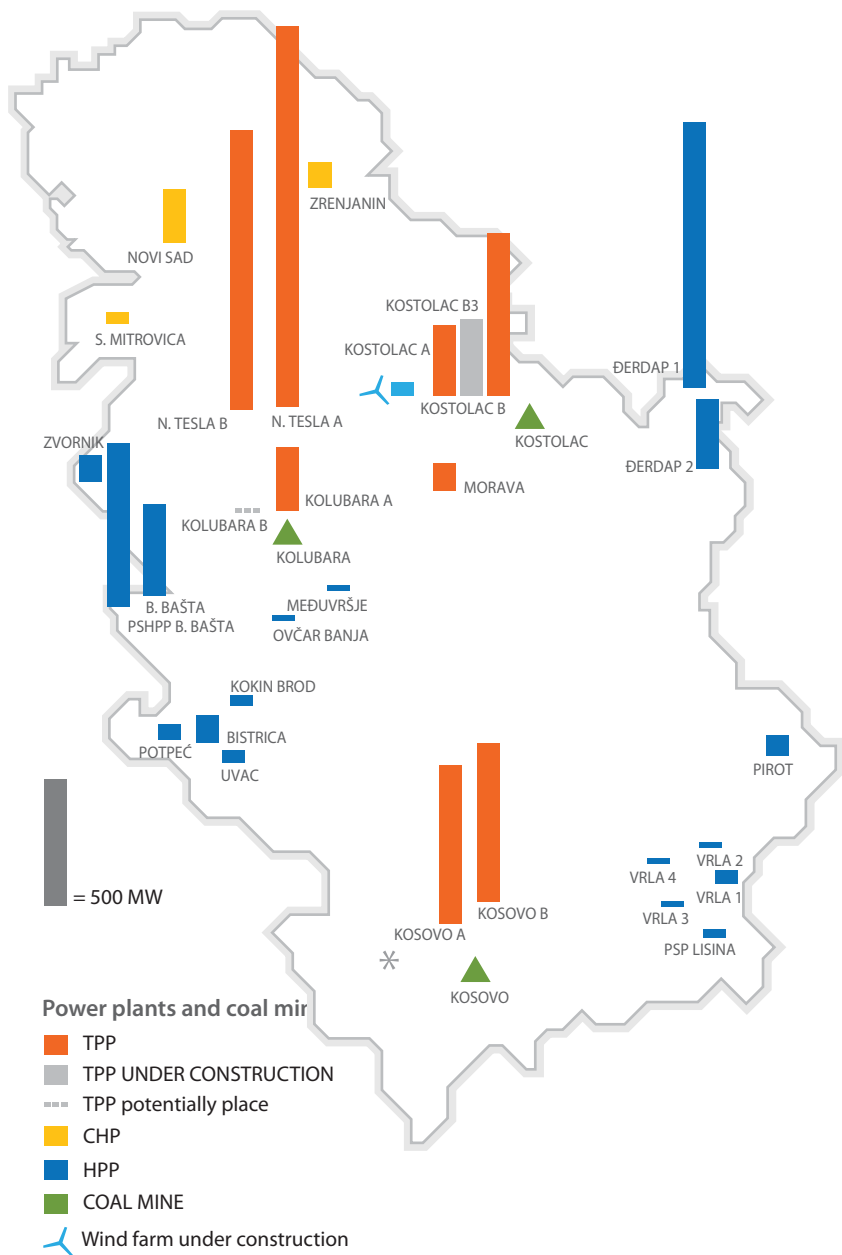
# ELECTRIC POWER INDUSTRY OF SERBIA



TECHNICAL REPORT

# 2022

# EPS INSTALLED CAPACITIES



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

# EPS 2022

Data related to capacities managed by  
Electric Power Industry of Serbia

## GENERATION CAPACITIES

Net output capacity 7,391 MW

## ELECTRICITY GENERATION

31,130 GWh

## COAL PRODUCTION

34,613,446 t

## OVERBURDEN REMOVAL

106,289,976 bcm

## ELECTRICITY SALE

Consumption in the Republic of Serbia  
supplied by EPS 35,879 GWh

Power Exchange/other suppliers/ contracts  
on business & technical cooperation 157 GWh

## ELECTRICITY PURCHASE

Power Exchange/other suppliers/ contracts  
on business & technical cooperation 3,285 GWh

## NUMBER OF CUSTOMERS

Total 3,443,060

Guaranteed supply 3,417,469

Last resort supply 718

Commercial supply 24,873

## 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
<b>THERMAL Power Plants</b>	<b>4,079</b>
CHP Novi Sad	208
CHP Zrenjanin	75
CHP Sremska Mitrovica	14
<b>COMBINED Heat and Power Plants</b>	<b>297</b>
HPP Đerdap 1	1,126
HPP Đerdap 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
<b>HYDRO Power Plants</b>	<b>3,015</b>
<b>EPS POWER PLANTS</b>	<b>7,391</b>

## ELECTRICITY GENERATION

POWER PLANT	GWh
TPP Nikola Tesla A	7,824
TPP Nikola Tesla B	6,584
TPP Kolubara	309
TPP Morava	560
TPP Kostolac A	1,748
TPP Kostolac B	4,388
<b>THERMAL Power Plants</b>	<b>21,413</b>
CHP Novi Sad	686
CHP Zrenjanin	67
CHP Sremska Mitrovica	0
<b>COMBINED Heat and Power Plants</b>	<b>753</b>
HPP Đerdap 1	4,325
HPP Đerdap 2	1,422
Vlasina HPPs	201
HPP Pirot	31
HPP Bajina Bašta + SPP Brana Lazići	1,352
PSHPP Bajina Bašta	626
HPP Zvornik	448
HPP Elektromorava	59
HPP Potpeć	186
HPP Bistrica and HPP Kokin Brod	269
HPP Uvac	34
Mini HPPs	11
<b>HYDRO Power Plants</b>	<b>8,964</b>
<b>TOTAL</b>	<b>31,130</b>

## ELECTRICITY SUPPLY

### SALES CHARACTERISTICS

Supply type	Number of metering points	Number of customers	Electricity (GWh)
<b>GUARANTEED</b>	<b>3,602,413</b>	<b>3,417,469</b>	<b>14,637.30</b>
LV I Level	11,754	10,884	232.71
CS	3,590,085	3,406,067	14,394.78
LV II Level	248,339	214,895	1,055.16
Households	3,341,746	3,191,172	13,339.62
PL	574	518	9.81
<b>LAST RESORT</b>	<b>2,756</b>	<b>718</b>	<b>63.92</b>
HV	-	-	-
MV and LV	2,756	718	63.92
<b>COMMERCIAL</b>	<b>152,189</b>	<b>24,873</b>	<b>14,718.96</b>
HV	37	33	2,622.89
MV and LV	130,295	24,708	11,673.32
PL	21,857	132	422.75
<b>TOTAL</b>	<b>3,757,358</b>	<b>3,443,060</b>	<b>29,420.18</b>

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)

**1,644.52** GWh

PROSUMERS	Number of metering points	Number of customers	Electricity (GWh)
	694	668	
	Power taken over from prosumers		9.09
	Power delivered by prosumers		1.23
	<b>DIFFERENCE</b>		<b>7.86</b>

### HOUSEHOLD CATEGORY

**AVERAGE CONSUMPTION**  
per month

**336** kWh

**NUMBER OF METERING POINTS**

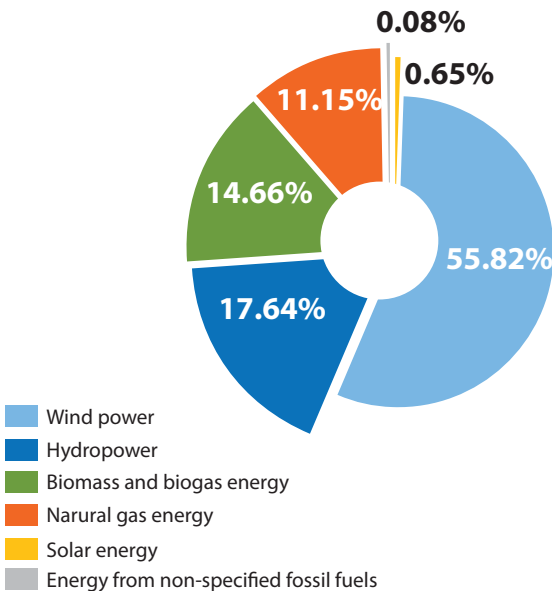
**3,341,746**

## RES FEED-IN TARIFF ELECTRICITY GENERATION

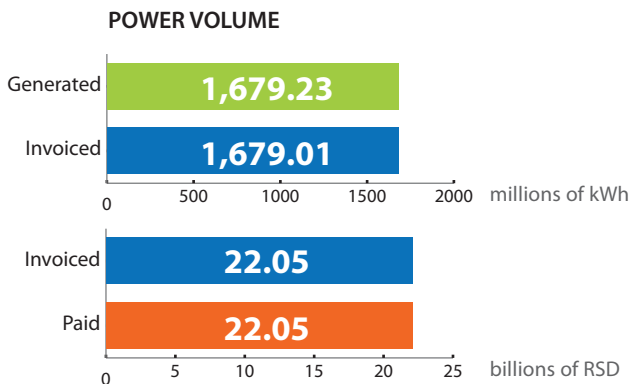
### Feed-in tariff electricity volumes

PRIMARY ELECTRICITY SOURCES	(MWh)
Solar energy	10,881.46
Wind power	937,282.91
Hydropower	296,290.48
Geothermal energy	0
Biomass and biogas energy	246,254.13
Energy from non-specified renewable energy sources	0
Hard coal energy	0
Lignite and bituminous coal energy	0
Natural gas energy	187,242.85
Energy from petroleum and petroleum products	0
Energy from non-specified fossil fuels	1,283.13
Nuclear power	0
<b>TOTAL</b>	<b>1,679,234.96</b>

### Structure of feed-in tariff electricity generation



## PURCHASE OF ELECTRICITY FROM RES BY PRIVILEGED PRODUCERS



**247**

Number of producers

**314**

Number of power plants

**Fees for privileged electricity producers**

**0.801**  
RSD/kWh

### Collected and disbursed funds for incentives for privileged producers

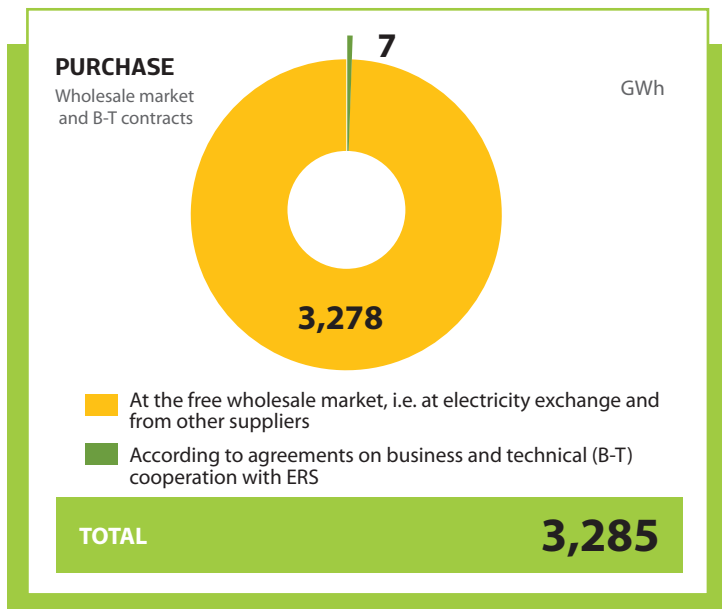
INVOICED AND COLLECTED INCENTIVE FEES	Invoiced	Collected
	(excluding VAT, in billion RSD)	
Guaranteed supplier for end customers	8.51	8.34
Suppliers for end customers	9.39	9.20
Distribution / Transmission system operator for end customers	0.04	0.04
<b>TOTAL</b>	<b>17.94</b>	<b>17.58</b>



## ELECTRICITY TRADE

Total scope of electricity trade in  
free wholesale market

**7,697** 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



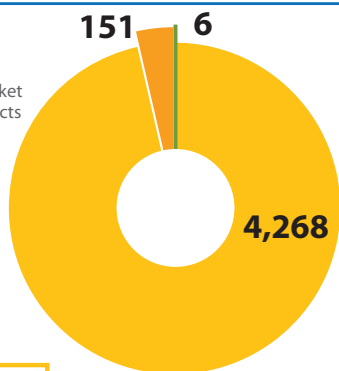
- ▲ Total sale at SEEPEX amounted to 28 GWh, while total purchase amounted to 795 GWh. Sales via EPS Trgovanje at the markets in Hungary (HUPX), Croatia (CROPEX) and Slovenia (BSP Southpool) amounted to 32 GWh, while total purchase at those markets amounted to 232 GWh.
- 
- ▼



### SALE

Wholesale market  
and B-T contracts

GWh



On the free  
wholesale  
market

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

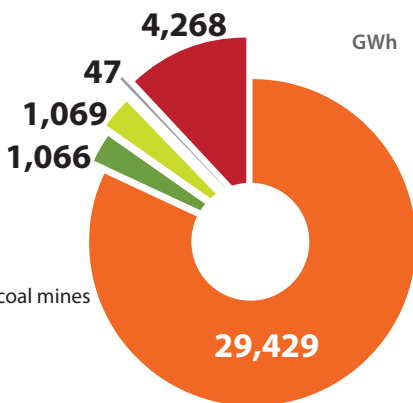
**TOTAL**

**4,425**

### SALE

In EPS Group

GWh



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

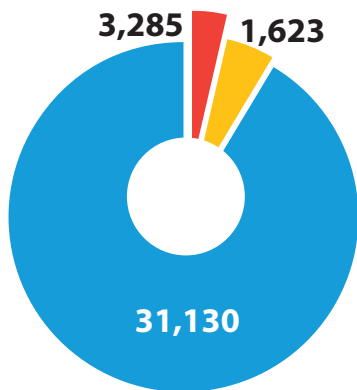
**TOTAL**

**35,879**

# ENERGY PORTFOLIO REALIZATION BALANCE RESPONSIBLE PARTY EPS

## AVAILABLE ELECTRICITY

GWh



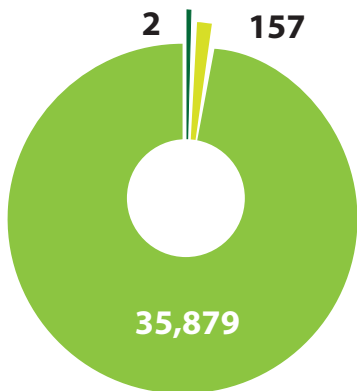
- EPS Generation
- Purchasing - wholesale market and agreements on B-T cooperation
- Purchasing from privileged and other producers outside EPS

TOTAL AVAILABLE ELECTRICITY

**36,038**

## ELECTRICITY DELIVERED

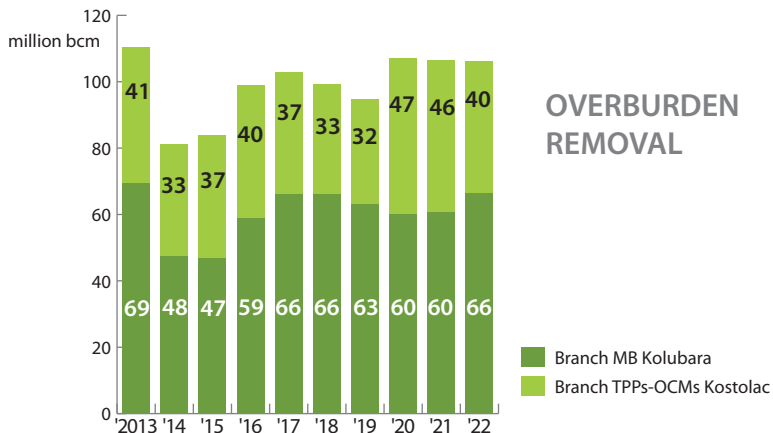
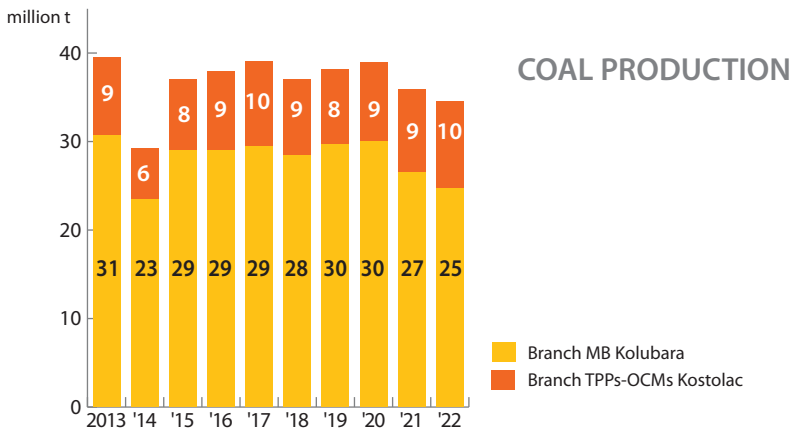
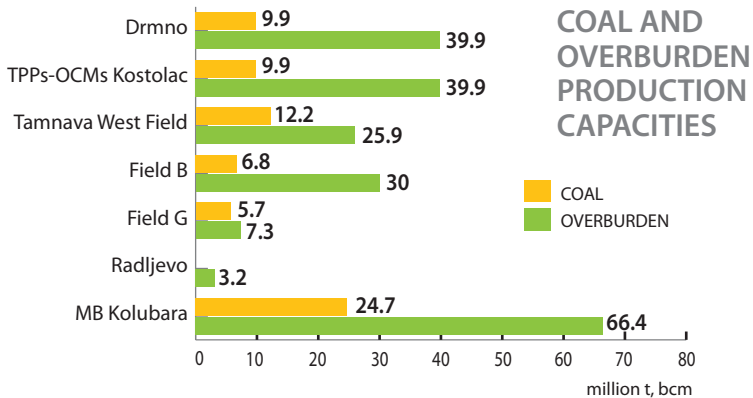
GWh



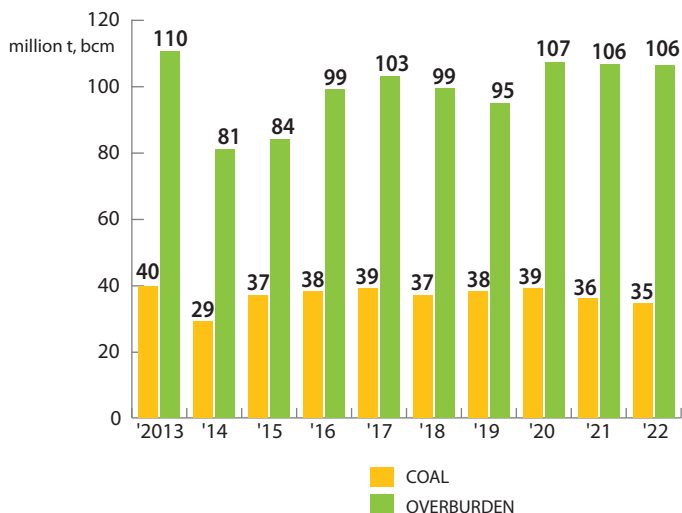
- Consumption in the Republic of Serbia supplied by EPS
- Net sale on balance market of the Republic of Serbia
- Sale - exchanges, other suppliers and contracts on business and technical cooperation

TOTAL ELECTRICITY DELIVERED

**36,038**



## TOTAL COAL AND OVERBURDEN OUTPUT



## STRUCTURE OF SUPPLY OF THE PRODUCED COAL

(t)	MB Kolubara	TPPs-OCMs Kostolac	EPS
For TPPs	24,165,522	9,831,991	33,997,513
For drying	342,590	/	342,590
For industry	5,643	76,181	81,824
For heating plants	191,519	/	191,519
<b>TOTAL</b>	<b>24,705,274</b>	<b>9,908,172</b>	<b>34,613,446</b>

## OVERBURDEN REMOVAL

(million t, bcm)	MB Kolubara	TPPs-OCMs Kostolac	EPS
<b>TOTAL</b>	<b>66,441,155</b>	<b>39,848,821</b>	<b>106,289,976</b>

# ELECTRIC POWER INDUSTRY OF SERBIA

