

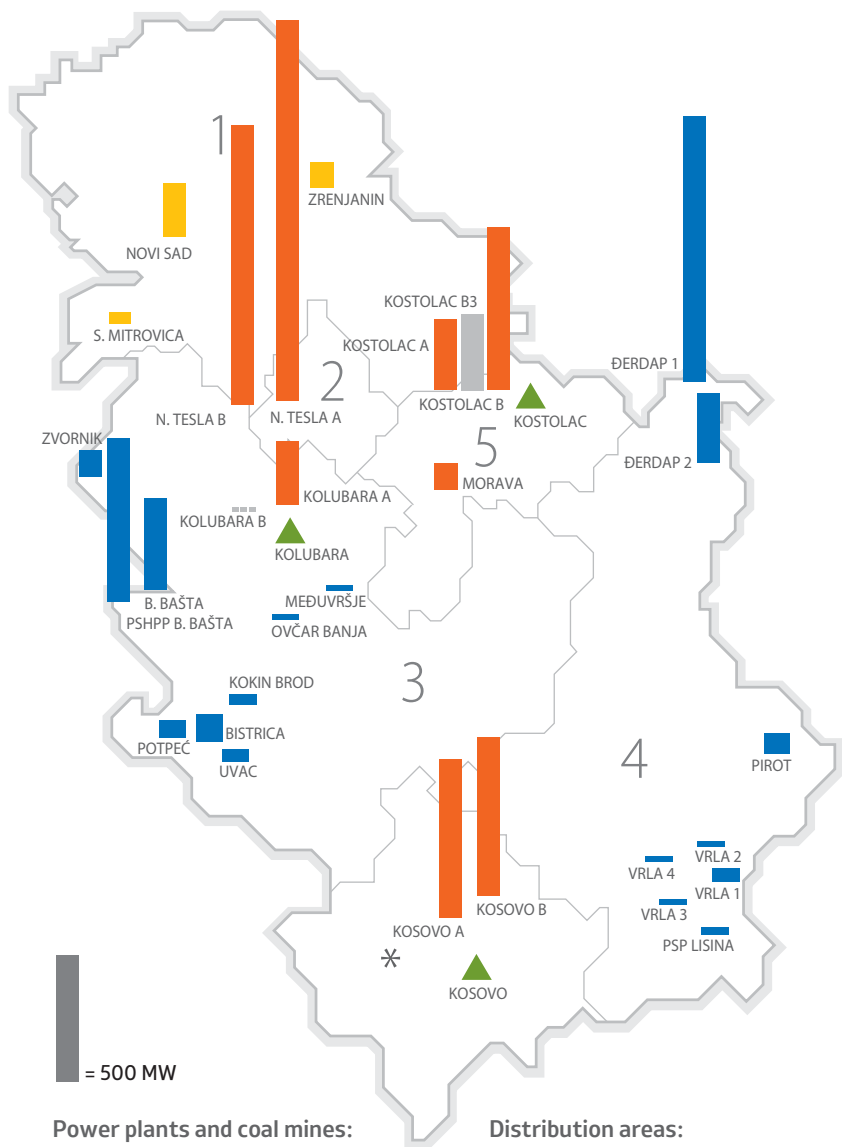
ELECTRIC POWER INDUSTRY OF SERBIA



TECHNICAL REPORT

2015

EPS INSTALLED CAPACITIES



Power plants and coal mines:

- TPP
- TPP UNDER CONSTRUCTION
- TPP potentially place
- CHP
- HPP
- ▲ COAL MINE

Distribution areas:

- 1_Novi Sad
 - 2_Beograd
 - 3_Kraljevo
 - 4_Niš
 - 5_Kragujevac
- *_PE Elektrokosmet, Priština

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

EPS 2015

Data related to capacities managed by
Public Enterprise Electric Power Industry of Serbia

GENERATION CAPACITIES

Net output capacity

7,304^{*} MW

ELECTRICITY GENERATION

35,661 GWh

COAL PRODUCTION

37,029,091 t

OVERBURDEN REMOVAL

84,195,353 bcm

SALE

In EPS Group

33,729 GWh

SALE

Out of EPS Group

2,957 GWh

TOTAL SALE

36,686 GWh

PURCHASE

Out of EPS Group

1,042 GWh

NUMBER OF CUSTOMERS

Total

3,422,387

Guaranteed supply

3,410,368

Last resort supply

719

Commercial supply

11,300

GENERATION CAPACITIES

POWER PLANT	Net output capacity MW
TPP Nikola Tesla A	1,597*
TPP Nikola Tesla B	1,190*
TPP Kolubara	216
TPP Morava	108
TPP Kostolac A	281
TPP Kostolac B	640
THERMAL Power Plants	4,032
CHP Novi Sad	208
CHP Zrenjanin	100
CHP Sremska Mitrovica	28
COMBINED Heat and Power Plants	336
HPP Đerdap 1	1,099*
HPP Đerdap 2	270
Vlasinske HPPs	129
HPP Pirot	80
HPP Bajina Bašta	420*
PSHPP Bajina Bašta	614
HPP Zvornik	96
HPP Elektromorava	17*
HPP Potpeć	51
HPP Bistrica and HPP Kokin Brod	124
HPP Uvac	36
HYDRO Power Plants	2,936
EPS POWER PLANTS	7,304

*Power of installations after revitalization. Verification process in course.

EPS ELECTRICITY GENERATION

POWER PLANT	GWh
TPP Nikola Tesla A	9,693
TPP Nikola Tesla B	8,196
TPP Kolubara	803
TPP Morava	336
TPP Kostolac A	1,743
TPP Kostolac B	4,246
THERMAL Power Plants	25,017
CHP Novi Sad	45
CHP Zrenjanin	0
CHP Sremska Mitrovica	0
COMBINED Heat and Power Plants	45
HPP Đerdap 1	4,994
HPP Đerdap 2	1,536
Vlasinske HPPs	437
HPP Pirot	126
HPP Bajina Bašta	1,485
PSHPP Bajina Bašta	697
HPP Zvornik	457
HPP Elektromorava	69
HPP Potpeć	197
HPP Bistrica and HPP Kokin Brod	524
HPP Uvac	77
HYDRO Power Plants	10,599
TOTAL	35,661

SUPPLY

SALES CHARACTERISTICS

Supply type	Number of metering points	Number of customers	Electricity (GWh)
GUARANTEED	3,485,321	3,410,368	17,221
LV I Level	25,519	23,680	1,521
CS	3,455,178	3,385,562	15,513
LV II Level	273,175	220,656	1,454
House holds	3,182,003	3,164,906	14,058
PL	4,624	1,126	187
LAST RESORT	3,130	719	543
HV	2		38
MV	227		353
LV	2,901		152
COMMERCIAL	86,740	11,300	9,640
HV	30		1,848
MV	3,828		5,659
LV	82,882		2,133
TOTAL	3,575,191	3,422,387	27,404

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

CS - Consumer Spending
 PL - Public Lighting

HOUSEHOLD CATEGORY

AVERAGE CONSUMPTION

per month

365 kWh

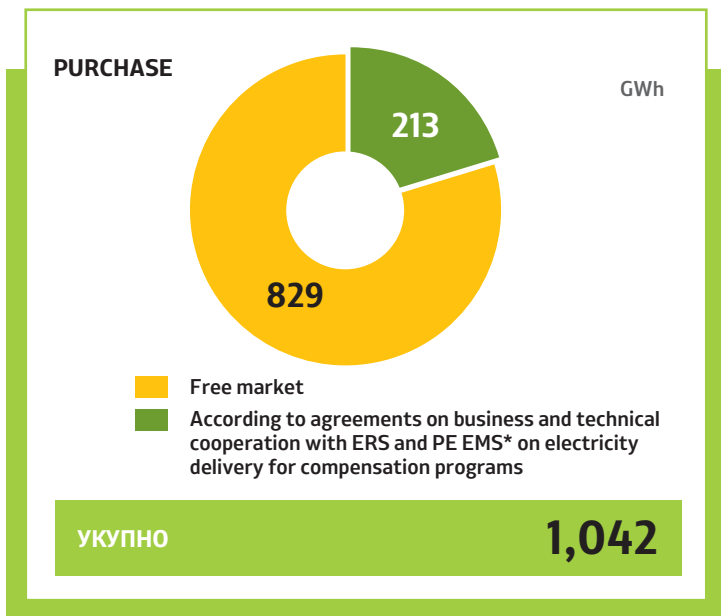
NUMBER OF METERING POINTS

3,213,100

ELECTRICITY TRADE

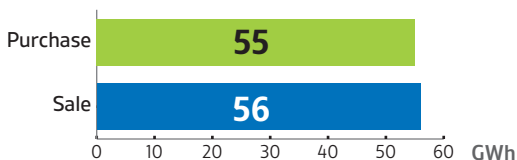
Total scope of electricity trade in
free wholesale market

3,730 GWh



*ERS - Electric Power Industry of the Republic of Srpska
PE EMS - Elektromreža Srbije

Cooperation with Electric Power Industry of the Republic of Srpska According to agreements on business and technical cooperation



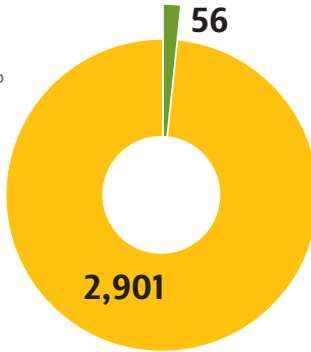
For the first time, electricity trading is performed on the electricity exchange from **2 April 2015** – PE EPS Trgovanje began trading on HUPX exchange in Hungary



SALE

Out of EPS Group

GWh



- Free market
- According to agreements on business and technical cooperation with ERS and PE EMS* on electricity delivery for compensation programs

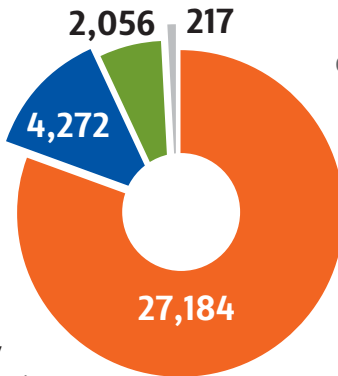
УКУПНО

2,957

SALE

In EPS Group

GWh

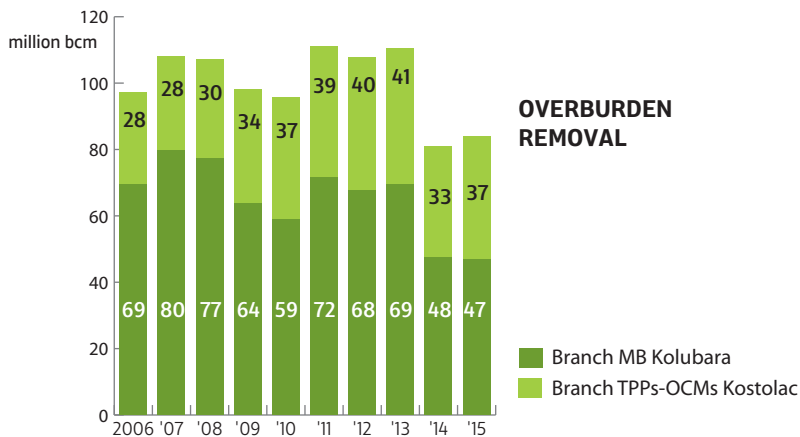
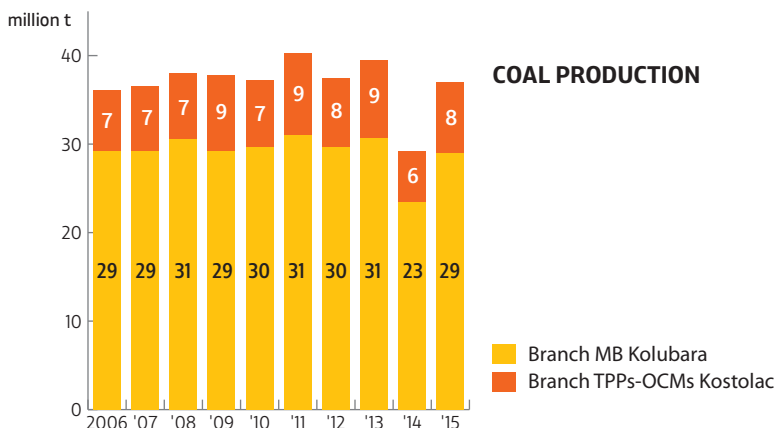
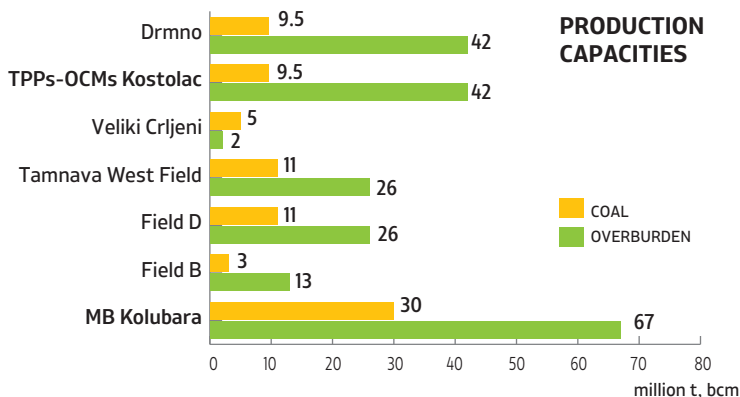


- EPS Supply
- EPS Distribution
- Power plants and coal mines
- PE Elektrokosmet

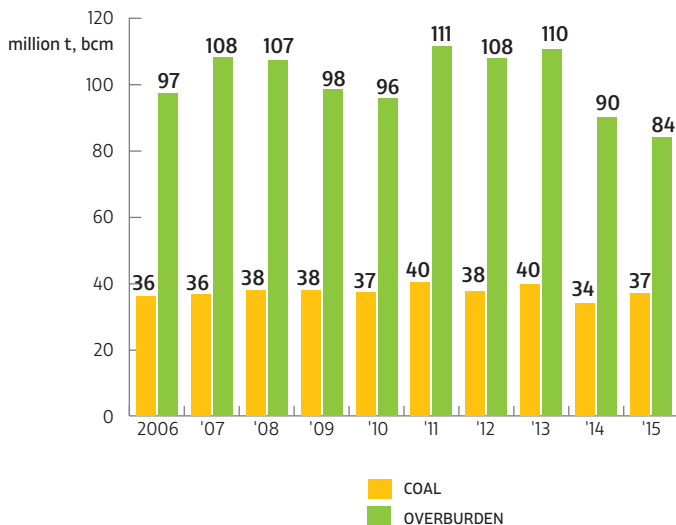
TOTAL

33,729

COAL



TOTAL COAL AND OVERBURDEN OUTPUT



STRUCTURE OF SUPPLY OF THE PRODUCED COAL

(t)	MB Kolubara	TPPs-OCMs Kostolac	EPS
For TPPs	27,695,581	8,189,724	35,885,305
For drying	548,752	/	548,752
For industry	231,921	149,536	381,457
For heating plants	211,197	2,380	213,577
TOTAL	28,687,451	8,341,640	37,029,091

DISTRIBUTION

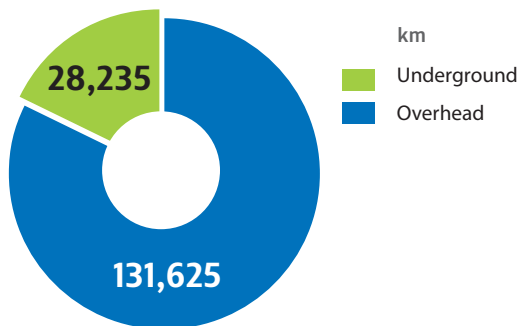
DATA ON ELECTRIFICATION

Distribution Areas	Size of area	Number of settlements	Number of households
	km ²	electrified	in electrified settlements
Novi Sad	21,506	497	841,705
Beograd	3,223	132	763,692
Kraljevo	25,211	2,345	816,330
Niš	21,609	1,729	545,256
Kragujevac	6,120	377	255,400
TOTAL	77,669	5,080	3,222,383

STATISTICAL DATA ON DISTRIBUTION GRID

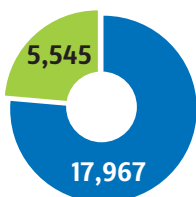
Distribution Areas	Number of substations	Installed capacity of substations (MVA)
Novi Sad	11,359	9,546
Beograd	5,272	6,821
Kraljevo	12,238	7,813
Niš	6,604	5,322
Kragujevac	2,806	2,350
TOTAL	38,279	31,852

STRUCTURE OF DISTRIBUTION LINES (Owned by EPS)

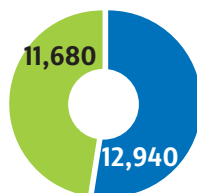


TOTAL 159,860 km

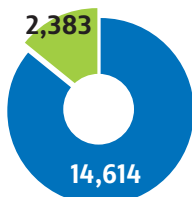
DISTRIBUTION AREAS



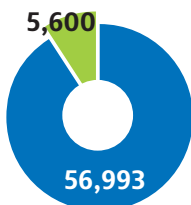
Novi Sad



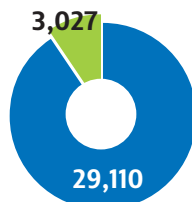
Beograd



Kragujevac



Kraljevo



Niš

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THANK YOU FOR ATTENTION