

# ELECTRIC POWER INDUSTRY OF SERBIA



TECHNICAL REPORT

2012

### GENERATION CAPACITIES

net output capacity

Kosovo and Metohija not included **7,124** MW

Kosovo and Metohija included **8,359** MW\*

### ELECTRICITY GENERATION

Kosovo and Metohija not included **34,509** GWh

Kosovo and Metohija included **39,892** GWh

### COAL PRODUCTION

Kosovo and Metohija not included **37,513,241** t

### OVERBURDEN REMOVAL

Kosovo and Metohija not included **107,688,172** bcm

### EPS GROSS CONSUMPTION

Kosovo and Metohija not included **33,589** GWh

Kosovo and Metohija included **39,239** GWh

### FINAL ELECTRICITY CONSUMPTION

Kosovo and Metohija not included **27,980** GWh

### NUMBER OF CUSTOMERS

Kosovo and Metohija not included

Total **3,553,988**

At high and middle voltage **4,218**

At low voltage **3,549,770**

POWER PLANT	Net output capacity MW
TPP Nikola Tesla A	1,502
TPP Nikola Tesla B	1,160
TPP Kolubara	245
TPP Morava	108
TPP Kostolac A	281
TPP Kostolac B	640
TPP Kosovo A*	617
TPP Kosovo B*	618
<b>THERMAL Power Plants</b>	<b>5,171</b>
CHP Novi Sad	208
CHP Zrenjanin	100
CHP Sremska Mitrovica	45
<b>COMBINED Heat and Power Plants</b>	<b>353</b>
HPP Đerdap 1	1,058
HPP Đerdap 2	270
Vlasinske HPPs	129
HPP Pirot	80
HPP Bajina Bašta	364
PSHPP Bajina Bašta	614
HPP Zvornik	96
HPP Elektromorava	13
HPP Potpeć	51
HPP Bistrica	102
HPP Kokin Brod	22
HPP Uvac	36
<b>HYDRO Power Plants</b>	<b>2,835</b>
<b>EPS POWER PLANTS</b>	<b>8,359</b>

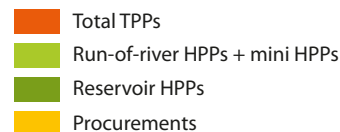
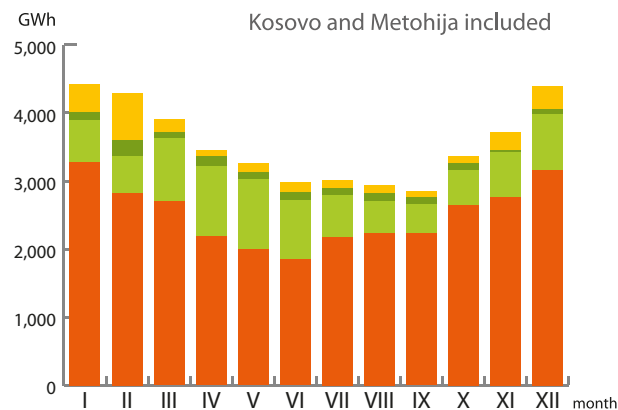
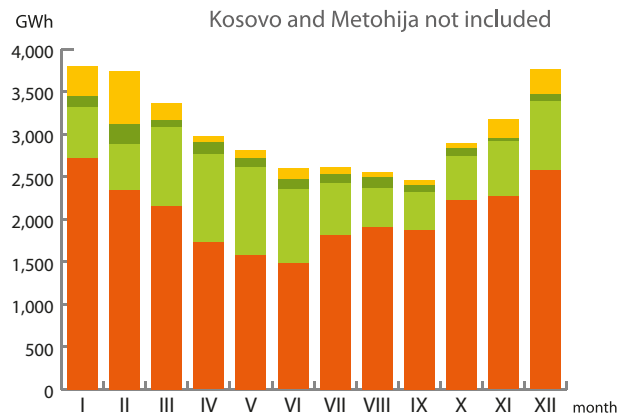
\* As of June 1999, EPS does not operate its facilities on the territory of Kosovo and Metohija

## EPS ELECTRICITY GENERATION

POWER PLANT	GWh
TPP Nikola Tesla A	10,581
TPP Nikola Tesla B	6,725
TPP Kolubara	1,195
TPP Morava	651
TPP Kostolac A	2,090
TPP Kostolac B	3,033
TPP Kosovo A*	1,948
TPP Kosovo B*	3,435
<b>THERMAL Power Plants</b>	<b>29,658</b>
CHP Novi Sad	344
CHP Zrenjanin	42
CHP Sremska Mitrovica	4
<b>COMBINED Heat and Power Plants</b>	<b>390</b>
HPP Đerdap 1	4,927
HPP Đerdap 2	1,526
Vlasinske HPPs	276
HPP Pirot	89
HPP Bajina Bašta	1,341
PSHPP Bajina Bašta	628
HPP Zvornik	426
HPP Elektromorava	53
HPP Potpeć	177
HPP Bistrica	279
HPP Kokin Brod	42
HPP Uvac	44
Mini HPP	36
<b>HYDRO Power Plants</b>	<b>9,844</b>
<b>TOTAL</b>	<b>39,892</b>

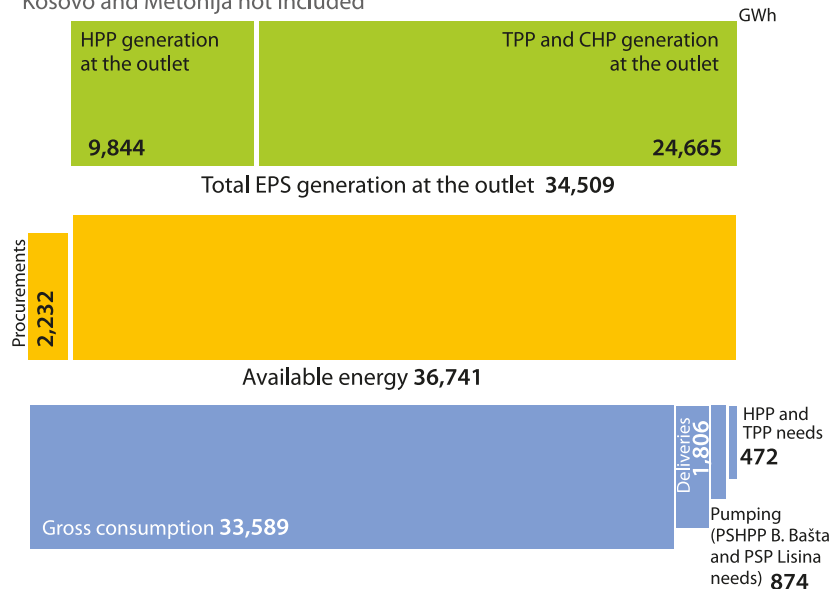
## AVAILABLE ENERGY

### MONTHLY GENERATION AND PROCUREMENTS

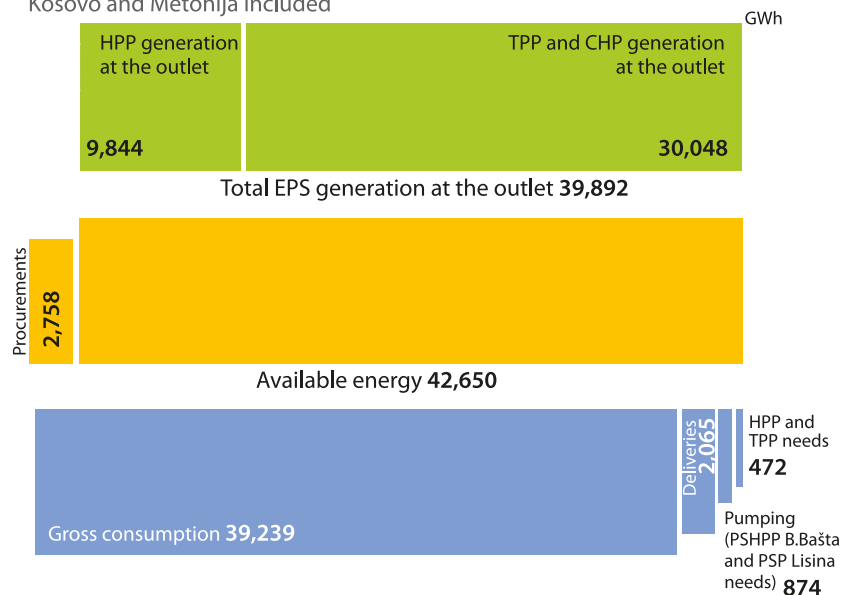


## ACHIEVED ELECTRIC POWER BALANCE

Kosovo and Metohija not included



Kosovo and Metohija included



## MAXIMUM PEAKLOAD

Kosovo and Metohija not included

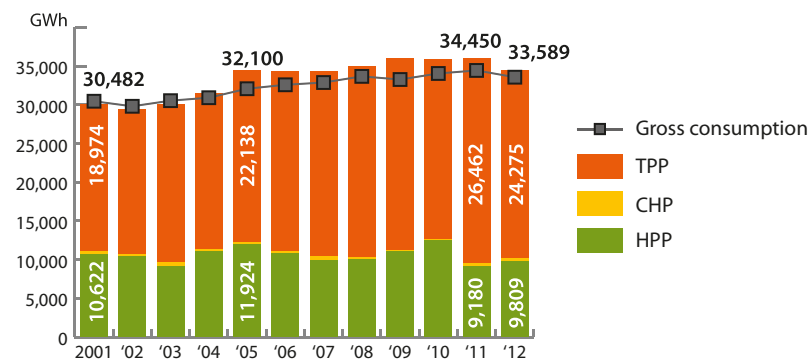
Year	Day	Hour	MW
2012	February 8th	19	6,622

Kosovo and Metohija included

Year	Day	Hour	MW
2012	February 7th	19	7,565

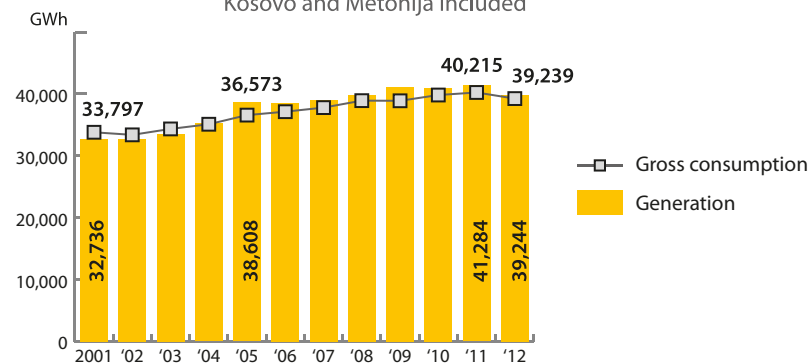
## GENERATION STRUCTURE AND GROSS CONSUMPTION

Kosovo and Metohija not included

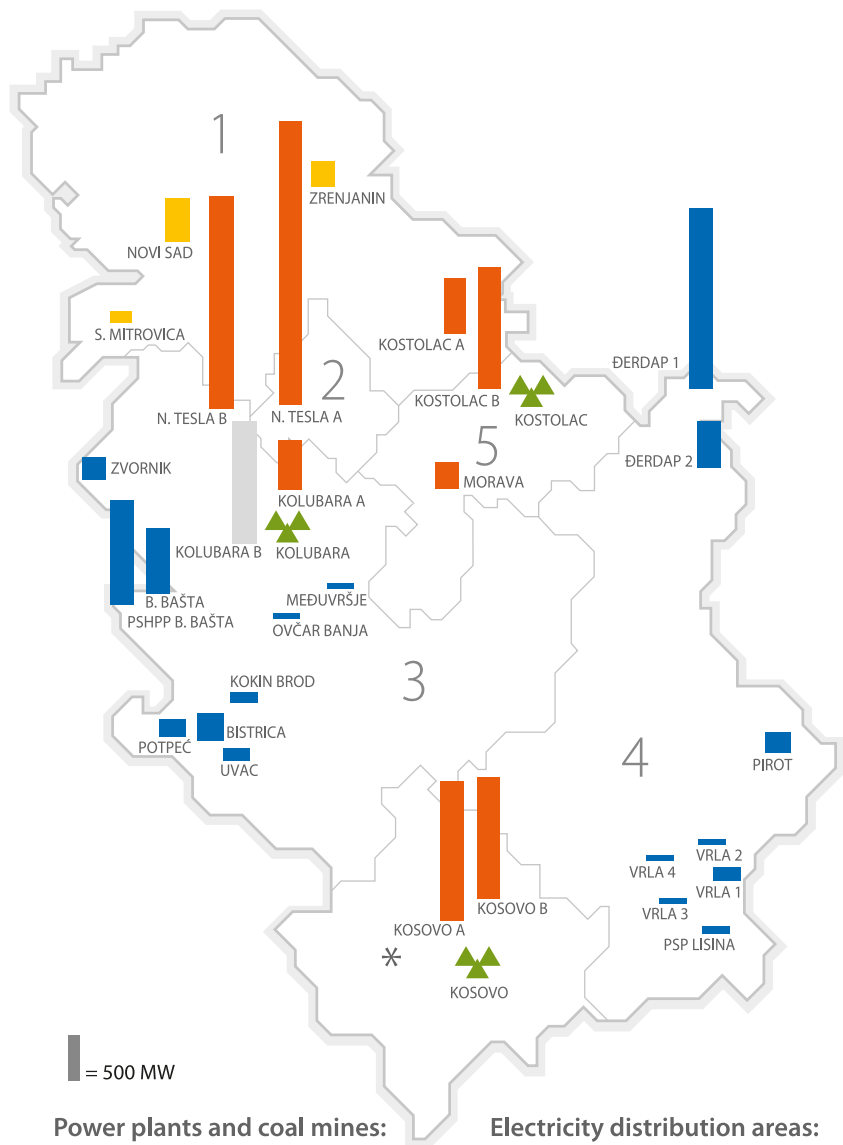


## GENERATION AND GROSS CONSUMPTION

Kosovo and Metohija included



# EPS INSTALLED CAPACITIES



## Power plants and coal mines:

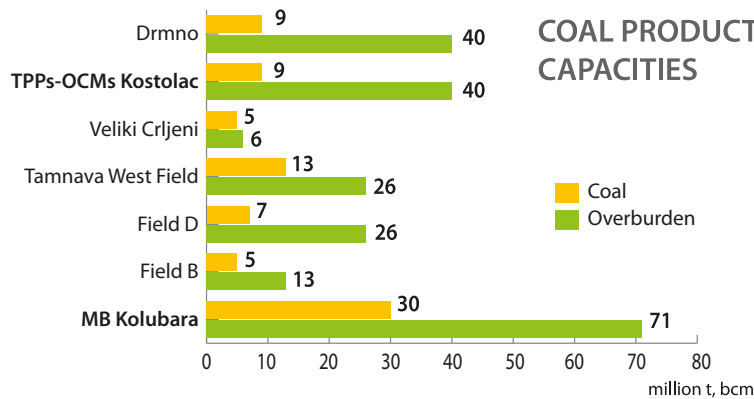
- Orange square: TPP
- Grey square: TPP UNDER CONSTRUCTION
- Yellow square: CHP
- Blue square: HPP
- Green triangle: COAL MINE

## Electricity distribution areas:

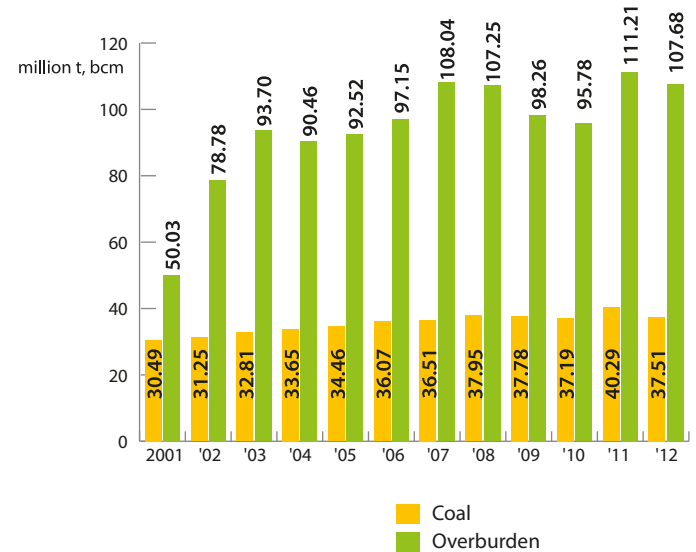
- 1\_Elektrovojvodina Ltd. Novi Sad
- 2\_Elektrodistribucija Beograd Ltd. Beograd
- 3\_Elektrosrbija Ltd. Kraljevo
- 4\_Jugoistok Ltd. Niš
- 5\_Centar Ltd. Kragujevac
- \*\_PE Elektrokosmet, Priština

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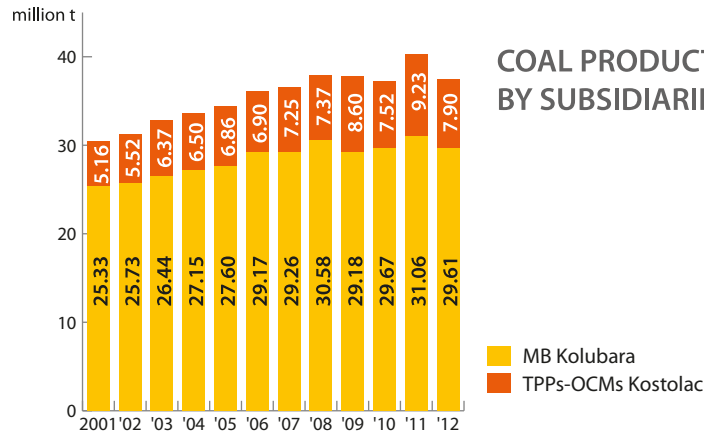
### COAL PRODUCTION CAPACITIES



### TOTAL COAL AND OVERBURDEN OUTPUT



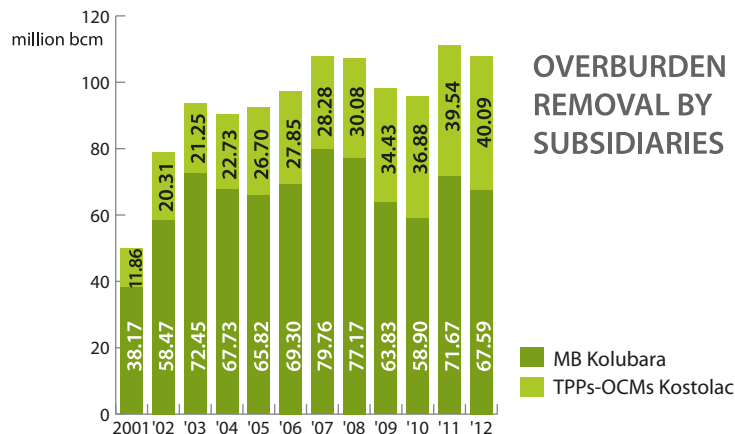
### COAL PRODUCTION BY SUBSIDIARIES



### STRUCTURE OF SUPPLY OF THE PRODUCED COAL

(t)	MB Kolubara	TPPs-OCMs Kostolac	EPS
For TPPs	27,945,477	7,677,150	35,622,627
For drying	968,669	/	968,669
For industry	472,494	227,146	699,640
For heating plants	222,305	/	222,305
TOTAL	29,608,945	7,904,296	37,513,241

### OVERBURDEN REMOVAL BY SUBSIDIARIES



# ELECTRICITY SUPPLIED TO DISTRIBUTION SUBSIDIARIES

Distribution Subsidiary	Taken over from transmission and privileged produceres	
	GWh	%
Elektrovojvodina	9,039	27.87
Elektrodistribucija Beograd	8,115	25.03
Elektrosrbija	7,405	22.85
Jugoistok	4,994	15.40
Centar	2,870	8.85
<b>TOTAL</b>	<b>32,423</b>	<b>100</b>

# STRUCTURE OF ELECTRICITY SALES BY VOLTAGE LEVELS

Voltage Level / Category of Consumption	Electricity Supplied		Number of buyers/ measuring points
	GWh	%	
High Voltage - 110 kV	2,168	7.79	37
Midlle Voltage - 35 kV	867	3.13	162
Midlle Voltage - 10 (20) kV	4,699	16.88	4,019
Low Voltage (0.4 kV I Level)	3,120	11.21	45,336
Consumer Spending (0.4 kV II Level)	1,958	7.03	307,872
Consumer Spending – Households	14,517	52.14	3,172,932
Public Lighting	507	1.82	23,630
<b>TOTAL</b>	<b>27,836</b>	<b>100</b>	<b>3,553,988</b>

# STRUCTURE OF ELECTRICITY SALES BY SUBSIDIARIES AND VOLTAGE LEVELS

