

EPS GROUP



ELECTRIC POWER INDUSTRY OF SERBIA



TECHNICAL REPORT

2014



POWERING YOUR LIFE

EPS 2014

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

GENERATION CAPACITIES

Net output capacity 7,124 MW

ELECTRICITY GENERATION

31,963 GWh

COAL PRODUCTION

29,204,294 t

OVERBURDEN REMOVAL

81,029,219 bcm

FULL SUPPLY

Domestic market 32,461 GWh

SALE

Out of EPS system 1,114 GWh

TOTAL SALE

33,575 GWh

PURCHASE

Out of EPS system 2,611 GWh

NUMBER OF CUSTOMERS

Total 3,550,588

Public supply 3,546,087

Last resort supply 676

Commercial supply 3,825

GENERATION CAPACITIES

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
THERMAL Power Plants	3,936
CHP Novi Sad	208
CHP Zrenjanin	100
CHP Sremska Mitrovica	45
COMBINED Heat and Power Plants	353
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 and HPP Kokin Brod	124
HPP Uvac	36
HYDRO Power Plants	2,835
EPS POWER PLANTS	7,124

EPS ELECTRICITY GENERATION

POWER PLANT	GWh
TPP Nikola Tesla A	7,851
TPP Nikola Tesla B	7,523
TPP Kolubara	459
TPP Morava	490
TPP Kostolac A	1,834
TPP Kostolac B	2,298
THERMAL Power Plants	20,455
CHP Novi Sad	63
CHP Zrenjanin	0
CHP Sremska Mitrovica	0
COMBINED Heat and Power Plants	63
HPP Đerdap 1	5,910
HPP Đerdap 2	1,613
Vlasinske HPPs	292
HPP Piroć	124
HPP Bajina Bašta	1,613
PSHPP Bajina Bašta	614
HPP Zvornik	489
HPP Elektromorava*	79
HPP Potpeć	217
HPP Bistrica and HPP Kokin Brod	424
HPP Uvac	70
HYDRO Power Plants	11,445
TOTAL	31,963

* Privileged producer whose production is not invoiced to PE EPS

AVERAGE CONSUMPTION PER HOUSEHOLD

EPS Supply area	kWh (per month)	Number of metering point per household
Elektrovojvodina	385	838,986
EDB	400	751,829
Elektrosrbija	328	812,819
Jugoistok	314	547,276
Centar	356	256,089
TOTAL	360	3,206,999

SALES CHARACTERISTICS EPS SUPPLY

Supply type	Number of metering points	Number of customers	Electricity (MWh)	Invoiced (RDS billion)
PUBLIC	3,546,087	3,546,087	17,415,071	115.9
MV	3	3	15,133	0.058
LV I Level	33,487	33,487	1,765,534	16.7
CS	3,497,953	3,497,953	15,328,046	97.4
LV II Level	290,954	290,954	1,527,746	12.6
House holds	3,206,999	3,206,999	13,800,300	84.8
PL	14,644	14,644	306,357	1.7
LAST RESORT	3,777	676	929,795	8.48
HV	2		234,993	1.72
MV	479		452,364	4.17
LV	3,296		242,438	2.59
COMMERCIAL	50,395	3,825	8,119,320	55.13
HV	26		1,411,877	7.82
MV	3,669		5,336,912	35.44
LV	46,700		1,370,531	11.87
TOTAL	3,600,259	3,550,588	26,464,186	179.47

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

CS - Consumer Spending
PL - Public Lighting

ELECTRICITY TRADE

PURCHASE

GWh

Elektroprivreda Republike Srpske Long-term contract	49
PE Elektromreža Srbije System services	262
Free market	2,300

TOTAL

2,611

PUMPUNG

PSP Lisina	90
PSHPP Bajina Bašta	808
TOTAL	898

SALE

GWh

Public supply	17,197
Commercial supply – end customers	8,970
Distribution subsidiaries - losses and own consumption	4,264
Electricity and coal production subsidiaries	926
PE Elektromreža Srbije – transmission losses and own consumption	967
PE Elektrokosmet	137

FULL SUPPLY

32,461

Elektroprivreda Republike Srpske Long-term contract	49
PE Elektromreža Srbije System services	36
PE Elektrokosmet	44
Free market	985

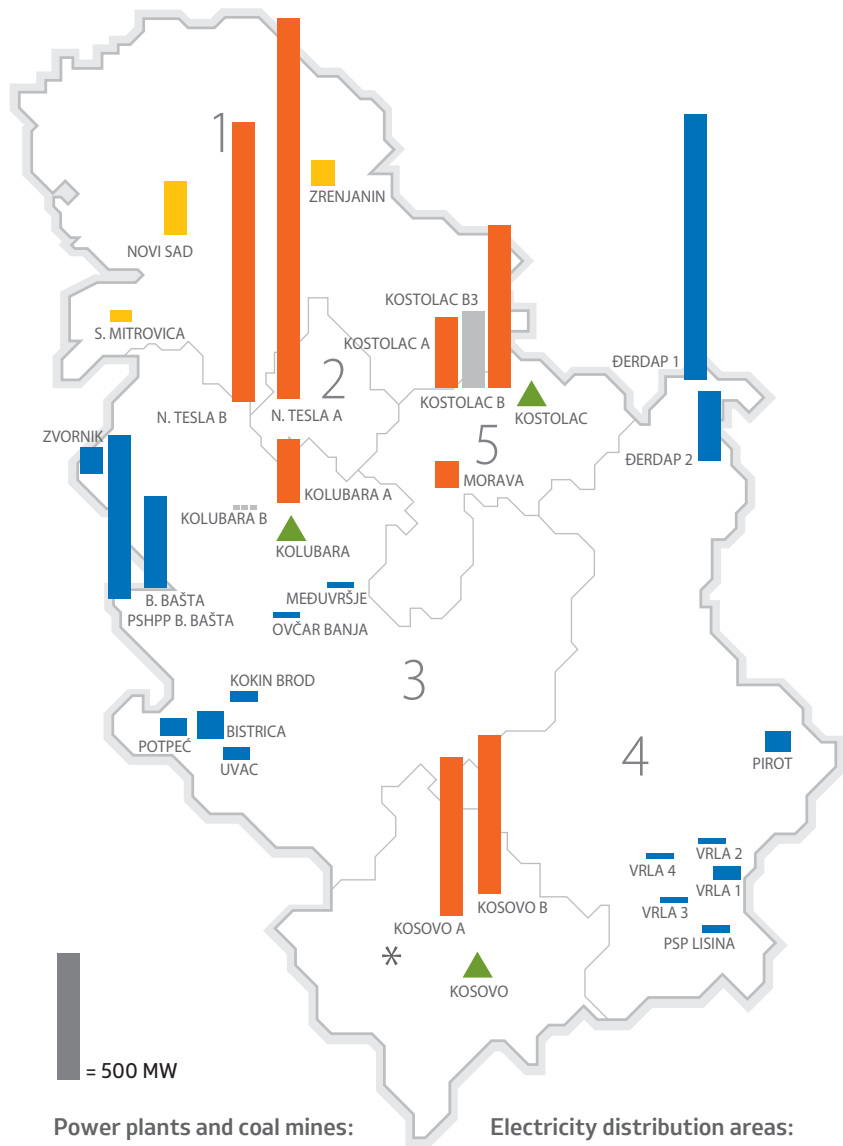
CONTRACTS

1,114

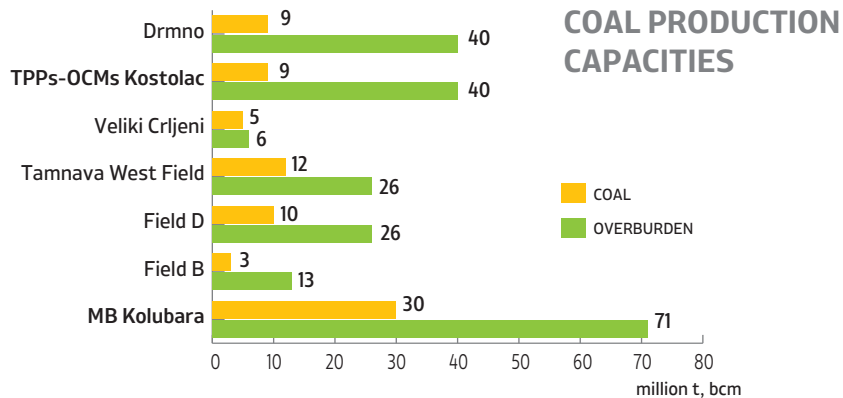
TOTAL

33,575

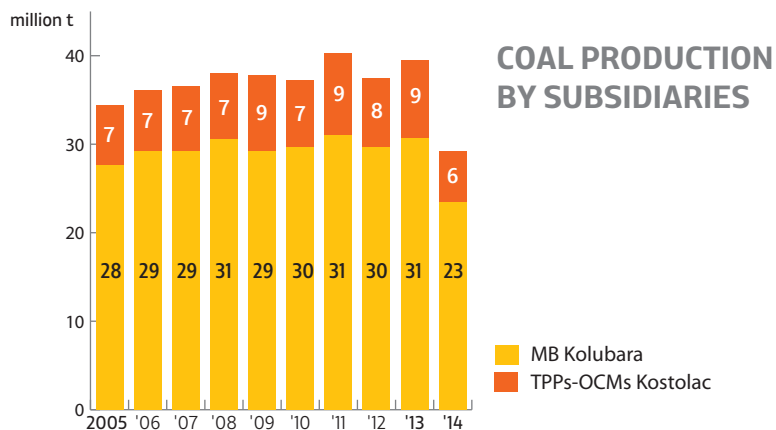
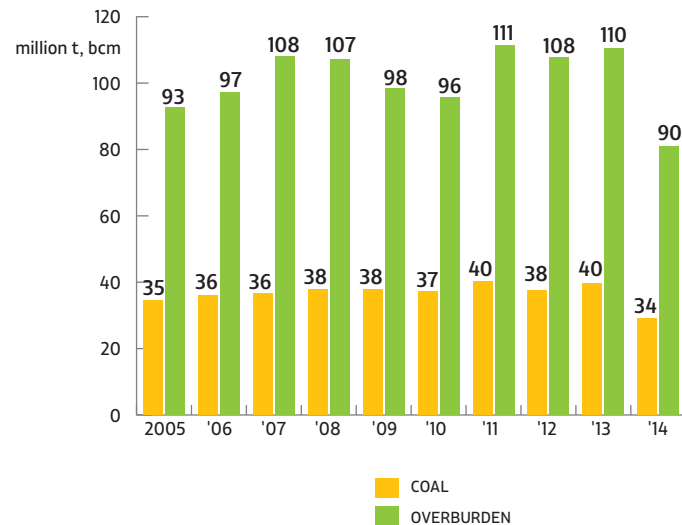
EPS INSTALLED CAPACITIES



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

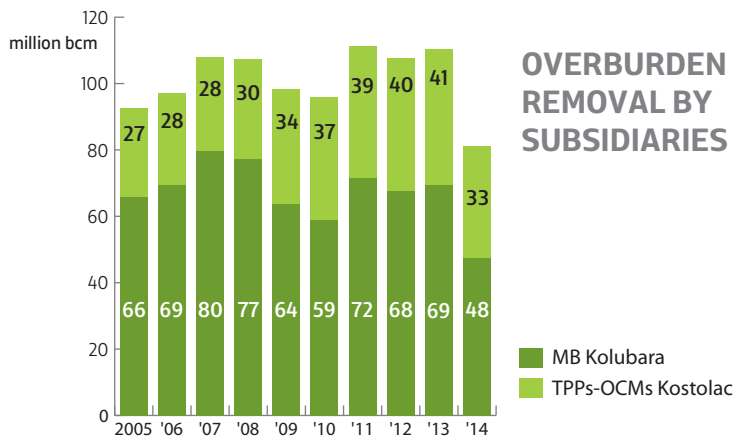


TOTAL COAL AND OVERBURDEN OUTPUT



STRUCTURE OF SUPPLY OF THE PRODUCED COAL

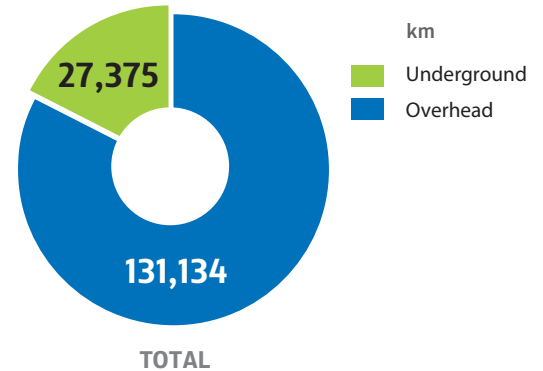
(t)	MB Kolubara	TPPs-OCMs Kostolac	EPS
For TPPs	22,720,015	5,615,909	28,335,924
For drying	505,310	/	505,310
For industry	142,023	85,114	227,137
For heating plants	135,923	/	135,923
TOTAL	23,503,271	5,701,023	29,204,294



DATA ON ELECTRIFICATION

Distribution Subsidiary	Size of area	Number of settlements	Number of households
	km ²	electrified	in electrified settlements
Elektrovojvodina	21,506	497	838,986
EDB	2,830	132	752,847
Elektrosrbija	25,211	2,345	812,901
Jugoistok	22,029	1,845	547,276
Centar	6,120	377	256,120
TOTAL	77,696	5,196	3,208,130

STRUCTURE OF DISTRIBUTION LINES



STATISTICAL DATA ON DISTRIBUTION GRID

Distribution Subsidiary	Number of substations	Installed capacity of substations (MVA)
Elektrovojvodina	7,759	10,252.6
EDB	7,092	10,415.9
Elektrosrbija	12,215	10,167.8
Jugoistok	6,624	7,404.8
Centar	2,932	3,143.9
TOTAL	36,622	41,385.0

