

Table of content: Bosnia and Herzegovina, 107 pages

	Page:
Chapter 1: Basic Info	6
1.1 Basic info	6
1.2 Energy potential	10
1.3 Electricity prices	11
Chapter 2: Electricity market opening and trade	13
2.1 Introduction	13
2.2. Sanctions against BiH by Energy Community	15
2.3 Electricity purchase/sale tenders	15
2.4 Establishment of Bosnian electricity exchange	16
Chapter 3: Market players	17
3.1 Utilities and authorities	17
3.2 Electricity trading companies	22
3.3 Companies involved in generation projects	22
3.4 Arbitration for TPP Ugljevik (Slovenia - RS dispute)	24
3.5 Arbitration for TPP Gacko (Croatia - RS dispute)	25
Chapter 4: Privatizations	27
Chapter 5: Electricity projects	28
5.1 Generation projects	28
5.1.1 Thermal Power Plant Tuzla, new unit	29
5.1.2 Thermal Power Plant Kongora	31
5.1.3 Thermal Power Plant Kakanj, new unit	32
5.1.4 Thermal Power Plant Bugojno	32
5.1.5 Thermal Power Plant Banovici	32
5.1.6 Thermal Power Plant Gacko, new unit	34
5.1.7 Thermal Power Plant Ugljevik, new unit	35
5.1.8 Thermal Power Plant Stanari	36
5.1.9 Combined Heat and Power Plant Zenica	38
5.1.10 Thermal Power Plant in Miljevina mine	38
5.1.11 Hydro Power Plant Uskotina	39
5.1.12 Hydro Power Plant Vranduk	39
5.1.13 Hydro Power Plant Unac	41
5.1.14 Hydro Power Plant Vrilo	41
5.1.15 Hydro Power Plants on Neretva River	41
5.1.16 Hydro Power Plant Bjelimici	41
5.1.17 Hydro Power Plant Glavaticevo	41
5.1.18 Other hydro projects - EP BiH	41
5.1.19 Hydro Power Plants on Trebisnjica River	42

5.1.20 Hydro Power Plants on Drina River	42
5.2.21 Hydro Power Plant Janjici	45
5.1.22 Hydro Power Plan Krusevo	46
5.1.23 Hydro Power Plant Ulog	46
5.1.24 Hydro Power Plant Mrsovo	46
5.1.25 Hydro Power Plant Dubrovnik 2	47
5.1.26 Hydro Power Plant Cijevna 3	47
5.1.27 Hydro Power Plant Bocac 2	48
5.1.28 Hydro Power Plants on Vrbas River	48
5.1.29 Wind farm Mesihovina	49
5.1.30 Wind farm Podvezlje	50
5.1.31 Wind farm Bosanski Petrovac	51
5.1.32 Wind Farm on Trusina Mountain	52
5.1.33 Wind Farm on Poklecani	52
5.1.34 Wind farm near Travnik	53
5.1.35 Wind farm Plocno	53
5.1.36 Wind farm Vlastic	53
5.1.37 Wind farm Debelo Brdo	54
5.1.38 Wind farm Jelovaca	54
5.1.39 Wind farm Hrgud	54
5.1.40 Wind farm Galica	54
5.1.41 Wind farms with 200 MW output	54
5.1.42 Wind farm Gradina	55
5.1.43 Wind farm Ivovik	55
5.1.44 Eol Prvi wind farms	55
5.1.45 Wind farm Sarajevo - Suzlon	55
5.1.46 Wind farm Grebak	56
5.2 Transmission projects	56
Chapter 6: Renewable energy	57
6.1 Introduction and feed-in tariffs	57
6.2 Small hydro power plants	59
6.3 Wind energy	60
6.4 Biomass & biogas energy	68
6.5 Solar energy	69
6.6 Geothermal energy	69
Chapter 7: Consumption, generation and export	70
7.1 Electricity consumption	70
7.2 Electricity generation and export	73
Chapter 8: Existing generation facilities and electricity transmission	81
8.1 Thermal Power Plants	81
8.2 Hydro power plants	83
8.3 Electricity transmission	87
8.4 Transmission capacity and monthly auctions - Patterns and graphs	91
8.5 Transmission capacity and monthly auctions - numeric values (history)	102

Table of content, Bulgaria (122 pages)

Chapter 1: Basic Info	6
1.1 Basic info	6
1.2 Energy potential	9
1.3 Electricity prices	11
1.4 Electricity export fee	14
Chapter 2: Electricity market opening and trade	16
Chapter 3: Market players	19
3.1 Utilities and authorities	19
3.2 NEK - SEWRC - Distributors dispute	23
3.3 Issues related tu stability of the system	26
3.4 Resignation of government and CEZ issue	27
3.5 EC report on energy sector (2014)	30
3.6 EC and World Bank report on local energy sector (2013)	30
3.7 Most recent EC report on Bulgarian Energy Holding	31
3.8 Long term contracts with two US-owned power plants	31
Chapter 4: Electricity projects	34
4.1 Nuclear Power Plant Kozloduy, new unit	34
4.2 Nuclear Power Plant Belene	37
4.3 New unit in Thermal Power Plant Maritsa Iztok 3	40
4.4 New unit in Maritsa Iztok 3 complex	41
4.5 Hydro Power Plant on Maritsa River	41
4.6 Gorna Arda hydro cascade	41
4.7 Hudro Power Plant on Danube	43
4.8 Rehabilitation of Hydro Power Plants	43
Chapter 5: Renewable energy	44
5.1 Introduction	44
5.2 20% income tax for wind and solar producers	47
5.3 Grid access fee	48
5.4 Small hydro power plants	49
5.5 Wind energy	49
5.6 Biomass & biogas energy	50
5.7 Solar energy	50
5.8 Geothermal energy	52

Chapter 6: Consumption, generation and export	53
6.1 Electricity consumption	53
6.2 Electricity distribution	55
6.3 Electricity generation and export	61
Chapter 7: Existing generation facilities and electricity transmissions	66
7.1 Thermal Power Plants	66
7.2 Hydro power plants	75
7.3 Electricity transmission	78
7.4 Transmission capacity and monthly auctions - Patterns and graphs	80
7.5 Transmission capacity and monthly auctions - numeric values (history)	101

Table of content, Croatia (90 pages)

Chapter 1: Basic Info	6
1.1 Basic info	6
1.2 Energy potential	9
1.3 Electricity prices	9
Chapter 2: Electricity market opening and trade	12
2.1 Introduction	12
2.2 Liberalization of electricity market	16
2.3 Restructuring of HEP and IPO	20
Chapter 3: Market players	22
3.1 Utilities and authorities	22
3.2 Electricity trading companies	28
3.3 Companies involved in generation projects	29
3.4 HEP - Prirodni Plin - INA dispute	29
Chapter 4: Privatization and restructuring of HEP	32
Chapter 5: Electricity projects	34
5.1 Generation projects	34
5.1.1 Thermal Power Plant Obrovac	36
5.1.2 Thermal Power Plant Plomin	36
5.1.3 Thermal Power Plant Sisak	40
5.1.4 New unit in CHP Zareb	40
5.1.5 Thermal Power Plant Ploce	41
5.1.6 Thermal Power Plant Rijeka, revitalization	41
5.1.7. New unit in Thermal Power Plant Osjek	41
5.1.8. Gas fired Thermal Power Plant Slavonski Brod	42
5.1.9 Nuclear Power Plant Krsko	43
5.1.10 Hydro Power Plant Ombla	43
5.1.11 Hydro Power Plant Dubrovnik 2	45
5.1.12 Hydro Power Plant Kosinj	45
5.1.13 Upgrade of existing HPPs	46
5.1.14 Vis Viva project	46
5.2 Transmission projects	47
5.2.1 Recently finished projects	47
5.2.2. Announced projects	47

Chapter 6: Renewable energy	48
6.1 Introduction and feed-in tariffs	48
6.2 Small hydro power plants	52
6.3 Wind energy	52
6.4 Biomass & biogas energy	56
6.5 Solar energy	58
6.6 Geothermal energy	59
Chapter 7: Consumption, generation and export	61
7.1 Electricity consumption	61
7.2 Electricity generation and export	64
Chapter 8: Existing generation facilities and electricity transmission	68
8.1 Generation capacities in neighboring countries	68
8.2 Thermal Power Plants	69
8.3 Hydro power plants	72
8.4 Electricity transmission	76
8.5 Transmission capacity and monthly auctions - Patterns and graphs	79
8.6 Transmission capacity and monthly auctions - numeric values (history)	86

Table of content, Macedonia (66 pages)

Chapter 1: Basic Info	4
1.1 Basic info	4
1.2 Energy potential	10
1.3 Electricity prices	11
Chapter 2: Electricity market opening and trade	13
2.1 Introduction	13
Chapter 3: Market players	15
3.1 Utilities and authorities	15
3.2 Electricity trading companies	16
3.3 Companies involved in generation projects	16
Chapter 4: Privatizations	18
4.1 Privatization of ELEM	18
4.2 Recent privatizations	18
4.2.1 Privatization of ESM	19
4.2.2 EVN-ELEM dispute	19
Chapter 5: Electricity projects	20
5.1 Generation projects	20
5.1.1 Nuclear energy	20
5.1.2 Nuclear Power Plant Belene involvement	20
5.1.3 CCGT Energetika	21
5.1.4 Hydro Power Plant Boskov Most	21
5.1.5 Hydro Power Plants Cebren & Galiste	22
5.1.6 Thermal Power Plant Negotino	24
5.1.7 Hydro Power Plants in Vardar valley	25
5.1.8 Hydro Power Plant Gradec	25
5.1.9 Hydro Power Plant Veles	26
5.1.10 Lukovo Polje accumulation	26
5.2 Transmission projects	27
5.2.1 Recently finished projects	27
5.2.2 Planned projects	28

Chapter 6: Renewable energy	30
6.1 Introduction and feed-in tariffs	30
6.2 Small hydro power plants	31
6.3 Wind energy	32
6.4 Biomass & biogas energy	34
6.5 Solar energy	35
6.6 Geothermal energy	36
Chapter 7: Consumption, generation and export	37
7.1 Electricity consumption	37
7.2 Electricity generation and export	40
Chapter 8: Existing generation facilities and electricity transmissions	43
8.1 Thermal Power Plants	43
8.2 Hydro power plants	47
8.3 Electricity transmission	49
8.4 Transmission capacity and monthly auctions - Patterns and graphs	51
8.5 Transmission capacity and monthly auctions - numeric values (history)	60

Table of content, Montenegro (83 pages)

Chapter 1: Basic Info	6
1.1 Basic info	6
1.2 Energy potential	9
1.3 Electricity prices	10
Chapter 2: Electricity market opening and trade	13
2.1 Introduction	13
2.2 Electricity purchase/sale tenders	15
Chapter 3: Market players	16
3.1 Utilities and authorities	16
3.2 Dispute related to KAP electricity bills	20
3.3 CGES - EPCG dispute	25
3.4 Electricity trading companies	25
3.5 Companies involved in generation projects	26
Chapter 4: Privatizations	28
4.1 Recent privatizations	28
4.1.1 Brief overview	28
4.1.2 Privatization of EPCG	28
4.1.3 A2A - Government dispute	30
4.1.4 Privatization of TPP and mine Pljevlja	31
4.1.5 Recapitalization of TSO CGES	33
Chapter 5: Electricity projects	34
5.1 Generation projects	34
5.1.1 Thermal Power Plant in Maoce coal basin	34
5.1.2 Thermal Power Plant Pljevlja - 2nd unit	34
5.1.3 Coal mine and Thermal Power Plant Berane	38
5.1.4 Hydro Power Plants on Cehotina River	38
5.1.5 Hydro Power Plant Krusevo	39
5.1.6 Hydro Power Plants on Moraca River	39
5.1.7 Hydro Power Plant Komarnica	42
5.1.8 Hydro Power Plant Boka (Bileca Lake project)	42
5.1.9 Wind farm Krnovo	43
5.1.10 Wind farm Mozura	44

5.2 Transmission projects	45
5.2.1 Ongoing projects	45
5.2.2 Recently finished projects	47
Chapter 6: Renewable energy	49
6.1 Introduction and feed-in tariffs	49
6.2 Small hydro power plants	50
6.3 Wind energy	55
6.4 Biomass & biogas energy	58
6.5 Solar energy	58
6.6 Geothermal energy	58
Chapter 7: Consumption, generation and export	59
7.1 Electricity consumption	59
7.2 Electricity generation and export	62
Chapter 8: Existing generation facilities and electricity transmissions	66
8.1 Thermal Power Plants	66
8.2 Hydro power plants	67
8.3 Electricity transmission	69
8.4 Transmission capacity and monthly auctions - Patterns and graphs	71
8.5 Transmission capacity and monthly auctions - numeric values (history)	76

Table of content, Romania (133 pages)

Chapter 1: Basic Info	6
1.1 Basic info	6
1.2 Energy potential	10
Chapter 2: Electricity market opening and trade	14
Chapter 3: Market players	20
3.1 Utilities and authorities	20
3.2 Sale of ENEL`s assets	45
3.3 Insolvency of EC Hunedora	46
3.4 Previous privatizations	48
3.5 Sale of minority stakes / listing of shares	49
3.6 Force Majeure and long term contracts with Hidroelectrica	53
3.7 Insolvency of Hidroelectrica	56
3.8 Ban on bilateral trading outside OPCOM	60
3.9 VAT issue	61
3.10 Winter 2017 energy crisis	61
Chapter 4: Electricity projects	65
4.1 Nuclear Power Plant Cernavoda, new units	66
4.2 New Nuclear Power	70
4.3 New unit in Energy Complex Rovinari	71
4.4 Combined Cycle Gas Turbine Power Plant in Tulcea	72
4.5 Thermal Power Plant Braila, new unit	73
4.6 Thermal Power Plant Doicesti, new unit	73
4.7 CHPP Fantanele and CHPP Progresu	74
4.8 New Thermal Power Plant in Borzesti	74
4.9 New Thermal Power Plant in EC Craiova	75
4.10 Modernization of Thermal Power Plant Turceni	75
4.11 Thermal Power Plant Iernut	75
4.12 New unnamed Thermal Power Plant	76
4.13 New Thermal Power Plant in Bucharest	76
4.14 Pump Storage Hydro Power Plant Tarnita Lapusteti	76
4.15 Hydro Power Plant Magurele-Nikopol	78
4.16 Pump Storage Hydro Power Plant Frasin - Pangarati	78
4.17 Hydro Power Plant Sejaru - renewal	78
4.18 Power line toward Serbia	78
4.19 Power line toward Turkey	79

4.20 Power line toward Moldova	79
Chapter 5: Renewable energy	80
5.1 Introduction and support to producers	80
5.2 Small hydro power plants	85
5.3 Wind energy	86
5.4 Biomass & biogas energy	90
5.5 Solar energy	90
5.6 Geothermal energy	90
Chapter 6: Consumption, generation and export	91
6.1 Electricity consumption	91
6.2 Electricity distribution	94
6.3 Electricity generation and export	101
Chapter 7: Existing generation facilities and electricity transmissions	105
7.1 Thermal Power Plants	105
7.2 Hydro power plants	109
7.3 Electricity transmission	111
7.4 Transmission capacity and monthly auctions - Patterns and graphs	114
7.5 Transmission capacity and monthly auctions - numeric values (history)	122

Table of content, Serbia (137 pages)

	Page:
Chapter 1: Basic Info	7
1.1 Basic info	7
1.2 Energy potential	12
1.3 Electricity prices	15
Chapter 2: Electricity market opening and trade	19
2.1 Introduction	19
2.2 Liberalization of electricity market	21
2.3 Restructuring of EPS	26
2.4 Floods in mid-May 2014 and their impact on Serbian power system.	29
Chapter 3: Market players	33
3.1 Utilities and authorities	33
3.2 Electricity trading companies	39
3.3 Companies involved in generation projects	40
Chapter 4: Privatizations	41
Chapter 5: Electricity projects	43
5.1 Actualities	43
5.1.1 Electricity meters	43
5.1.2 Enlargement of lignite mines	44
5.1.3 Nuclear energy	45
5.2 Generation projects	46
5.2.1 Electricity projects of Oil Industry of Serbia (NIS)	46
5.2.2 Combined Heat and Power Plant Pancevo	46
5.2.3 Combined Heat and Power Plant Novi Sad	47
5.2.4 Thermal Power Plant Kovin	49
5.2.5 Thermal Power Plant Kolubara B	49
5.2.6 Thermal Power Plant Nikola Tesla B	50
5.2.7 Thermal Power Plant Stavalj	51
5.2.8 Thermal Power Plant Kosovo RE	51
5.2.9 Thermal Power Plant Kostolac B	53
5.2.10 Thermal Power Plant Despotovac	54
5.2.11 CHPP in Loznica	55
5.2.12 Cogeneration facilities	55
5.2.13 Hydro Power Plants on Ibar River	55
5.2.14 Hydro Power Plants on Drina River	56
5.2.15 Hydro Power Plant Djerdap 3	57

5.2.16. Hydro Power Plant Bistrica	57
5.2.17. Hydro Power Plants on Lim River	58
5.2.18. Hydro Power Plant Morava	58
5.2.19. Hydro Power Plant on Sava River	59
5.2.20. Renewal of Hydro Power Plant Zvornik	59
5.3 Transmission projects	59
5.3.1 Recently finished projects	60
5.3.2 On-going projects	60
5.3.3 Announced projects	61
Chapter 6: Renewable energy	62
6.1 Introduction and feed-in tariffs	62
6.2 Small hydro power plants	64
6.3 Wind energy	67
6.4 Biomass & biogas energy	75
6.5 Solar energy	79
6.6 Geothermal energy	81
Chapter 7: Consumption, production and export	82
7.1 Electricity consumption	82
7.2 Electricity generation and export	87
Chapter 8: Existing generation facilities and electricity transmission	92
8.1 Thermal Power Plants	92
8.2 Hydro power plants	97
8.3 Electricity transmission	101
8.4 Transmission capacity and monthly auctions - Patterns and graphs	103
8.5 Transmission capacity and monthly auctions - numeric values (history)	122
Table of content for other reports	140

Table of content, Slovenia (62 pages)

Chapter 1: Basic Info	6
1.1 Basic info	6
1.2 Energy potential	9
1.3 Electricity prices	10
Chapter 2: Electricity market opening and trade	11
2.1 Introduction	11
2.2 Power exchange Borzen	12
2.3 Borzen South Pool - BSP	12
Chapter 3: Market players	14
3.1 Utilities and authorities	14
3.2 Electricity trading companies	18
3.3 Claim against Bosnia and Herzegovina	18
Chapter 4: Privatizations	20
Chapter 5: Electricity projects	21
5.1 Generation projects	21
5.1.1 Thermal Power Plant Sostanj - new unit	19
5.1.2 Reconstruction of Thermal Power Plant Trbovlje	25
5.1.3 Combined Cycle Gas Turbine Kopar	25
5.1.4 Thermal Power Plant Kidricevo	26
5.1.5 Nuclear Power Plant Krsko - new unit	26
5.1.6 Combined Heat and Power Plant Ljubljana	27
5.1.7 New units in TPP Brestanica	27
5.1.8 Hydro Power Plant Ucja	27
5.1.9 Pump Storage Hydro Power Plant Kozjak	28
5.1.10 Middle Sava River cascade	28
5.1.11 Lower Sava River cascade	29
5.1.12 Wind projects	31
5.2 Transmission projects	31
5.3.1 Ongoing projects	31
Chapter 6: Renewable energy	32
6.1 Introduction and feed-in tariffs	32
6.2 Small hydro power plants	33

6.3 Wind energy	33
6.4 Biomass & biogas energy	34
6.5 Solar energy	34
6.6 Geothermal energy	34
Chapter 7: Consumption, generation and export	35
7.1 Electricity consumption	35
7.2 Electricity generation and export	38
Chapter 8: Existing generation facilities and electricity transmissions	41
8.1 Thermal Power Plants	41
8.2 Hydro power plants	46
8.3 Electricity transmission	47
8.4 Transmission capacity and monthly auctions - Patterns and graphs	50
8.5 Transmission capacity and monthly auctions - numeric values (history)	58