Summer Outlook Report 2019

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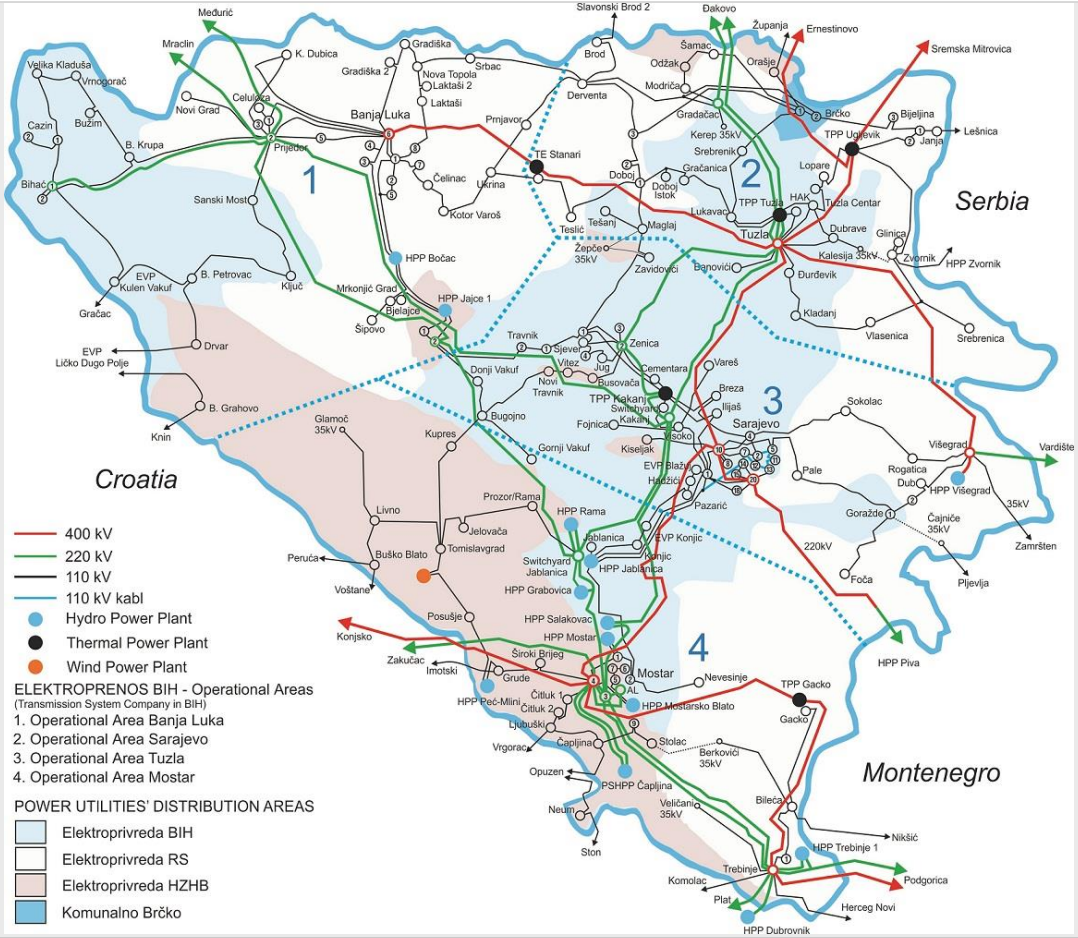
Power System of BIH



Balance Values of the Electric Power Sector of Bosnia and Herzegovina

(GWh)

Year 2018	EP BIH	ERS	EP HZHB	Komunalno Brčko	Other entities	BIH
Generation in hydro power plants	1,533.61	2,729.05	1,984.86		52.56	6,300.08
Generation in thermal power plants	5,648.34	3,249.42			2,056.00	10,953.76
Generation in larger wind plants			103,50			103.50
Generation in small and industrial PPs	63.46	50.58			401.61	515.65
Generation	7,245.41	6,029.05	2,088.35		2,510.18	**17,872.99**
Distribution consumption	4,705.96	3,770.48	1,392.22	270.02		10,138.68
Transmission losses						398.77
Large customers	464.34	361.65	131.09		1,646.73	2,603.81
PPs self-consumption and pumping		11.77	137.43		3.49	152.69
Consumption	5,089.64	4,143.91	1,650.44	270.02	1,650.22	**13,293.95**

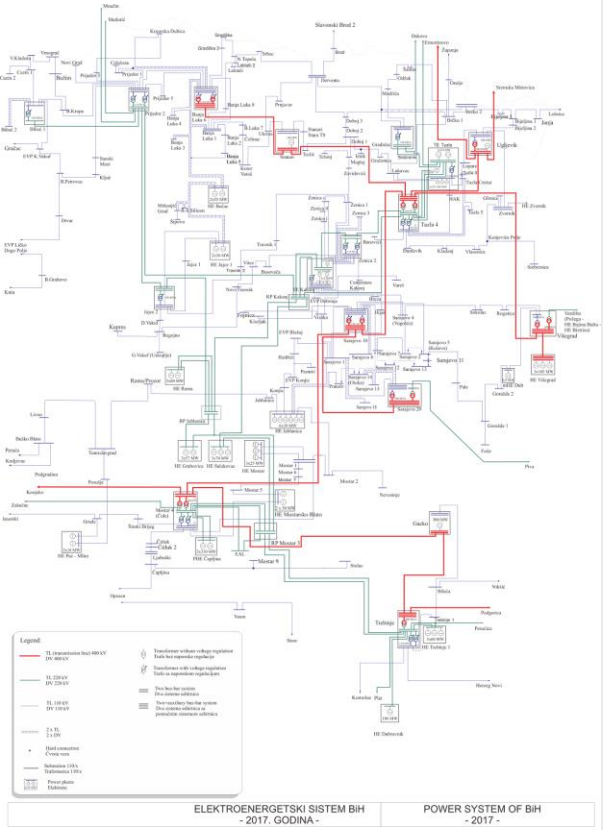
Winter 2018/2019 Review

- There were no significant unusual events in the electric power system of Bosnia and Herzegovina
- The maximum horuly load of 1994 MW was registered on 18 December at 18:00
- Total electricity consumption was similar to that of winter 2017/2018, but significantly lower than winter 2016/2017 because of more favourable weather conditions

Summer 2019 Outlook

- BiH is capable of supplying demand throughout the season both under normal and severe conditions, i.e. country is self-sufficient and prone to export from market perspective
- No adequacy or downward regulation issues are expected in BiH for the upcoming summer, i.e. country is capable of absorbing energy from inflexible generation throughout the season
- No increase of demand is expected

Summer 2019 Outlook - network



- Operational readiness of the transmission network infrastructure depends on:
  - Planned maintenance
  - Availability of the transmission network elements (power lines and substations)
  - Maintenance work done previously
- 13 planned outages in July (400, 220 and 110 kV)
- 2 planned outages in neighboring systems that influence the interconnections

Planning documents and secondary legislation

- Indicative generation development plan for 2020 – 2029, after remarks from SERC, has been submitted again for the approval
- The Decision on the Maximum Possible Power Accepts From Unmanageable Energy Sources

Transposition of Network Codes on Connection

- Decision on Transposition of Network Codes on Connection
  - Incorporated and adapted by PHLG Decision EU Regulation 2016/631
  - Incorporated and adapted by PHLG Decision EU Regulation 2016/1447
  - Incorporated and adapted by PHLG Decision EU Regulation 2016/1388
- Rulebook on Network Operation Related to Connection
- Criteria for Granting Derogations from Requirements for Connection of Generating Modules
- Criteria for granting derogations from requirements for connection of existing and new high voltage direct current systems (HVDC systems and direct current-connected power park modules (PPMs) - Request Form
- Criteria for Granting Derogations From Requirements for Connection of Demand Facilities - Request Forms

- Decision on Approval of the Grid Code (Feb 2019)

Thank you

for your attention!

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