

ELEKTROPRIJENOS BIH
ЕЛЕКТРОПРЕНОС БИХ

Interconnector 400 kV Gacko (BA) – Brezna (ME)

April 18, 2024

General and technical data

- Promoters:
 - "Elektroprijenos-Elektroprenos" BiH a.d. Banja Luka
 - Nezavisni operator sistema u BiH – Independent system operator in B&H
 - Joint Stock Company – Montenegrin Transmission System Operator
 - Ministry of Energy and Mining Montenegro
- New 400 kV interconnection between Bosnia and Herzegovina and Montenegro will connect SS Gacko (BA) with SS Brezna (ME).
- Project is in ENTSO-E TYNDP 2022 as conceptual project.
- Project is in National Network Development Plan of Elektroprenos – Elektroprenos BiH as proposal.

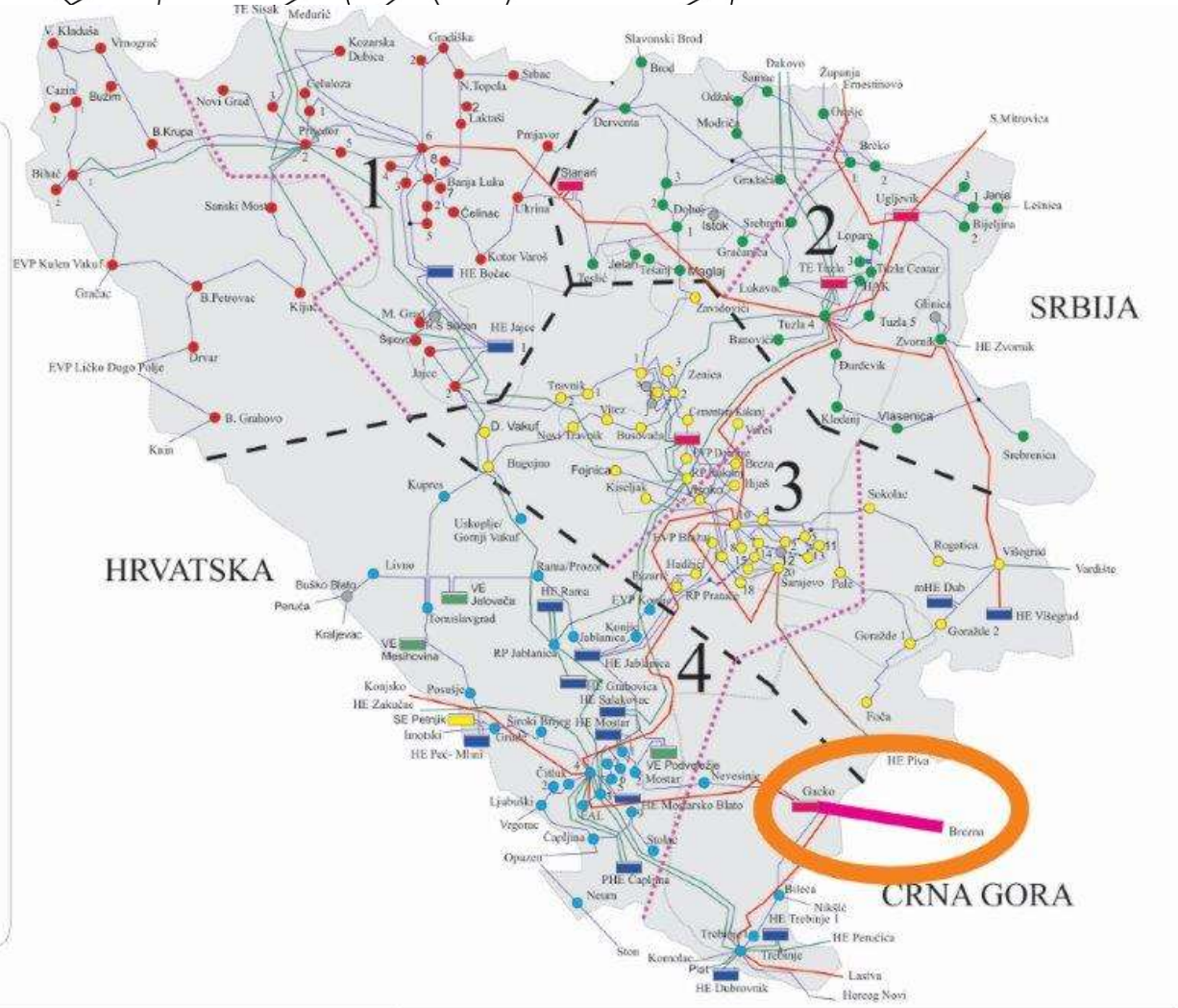
Geographic position - South-East BA, West ME



Legend:
Legenda:

- TL (transmission line) 400 kV
DV 400 kV
- TL 400 kV - Under 220 kV voltage
DV 400 kV - Pod naponom 220 kV
- TL 220 kV
DV 220 kV
- TL 110 kV
DV 110 kV
- 110 kV Cable
110 kV Kabl
- TL 110 (MV) kV
DV 110 (SN) kV
- Hydro power plants
Hidroelektrane
- Thermal power plants
Termoelektrane
- Wind Power Plants
Vjetroelektrane
- Solar Power Plants
Solarno elektrane
- Hard connection
čvrsta veza
- Substation
Tranzformator

● Operativno područje Banja Luka
● Operativno područje Tuzla
● Operativno područje Sarajevo
● Operativno područje Mostar
● TS VN/x koja nije u vlasništvu Elektroprivreda
 Granica operativnih područja
 Granica terenskih jedinica



KARTA ELEKTROENERGETSKOG SISTEMA BiH
2023. GODINA

ELECTRIC POWER FACILITIES OF BIH
2023

General and technical data

- Total length about 51 km. Length in BA is 15 km and in ME is 36 km.
- Enabling and supporting integration of a large number of RES in BA (region of East Herzegovina) and ME (west region), enabling the transfer of energy from BA to ME and avoiding existing congestions between BA and ME, further development and integration of the market and security of supply.
- Also, it will increase net transfer capacity (NTC) of energy from BA to ME and ME to BA
- Reduction of losses about 5 GWh (-4%) in ME and 6,4 GWh (-1.5%) in BA.

Cost and Status data

- Total costs are 30 mil. EUR
 - BA 10,5 mil. EUR
 - ME 19,5 mil. EUR
- Realisation is planned during the period 2030 – 2035
- Also, it is necessary to upgrade SS 400/110 kV "Brezna", located in 110/35 kV SS "Brezna", Brezna, municipality Plužine, Montenegro.
- Status of the project: under consideration.