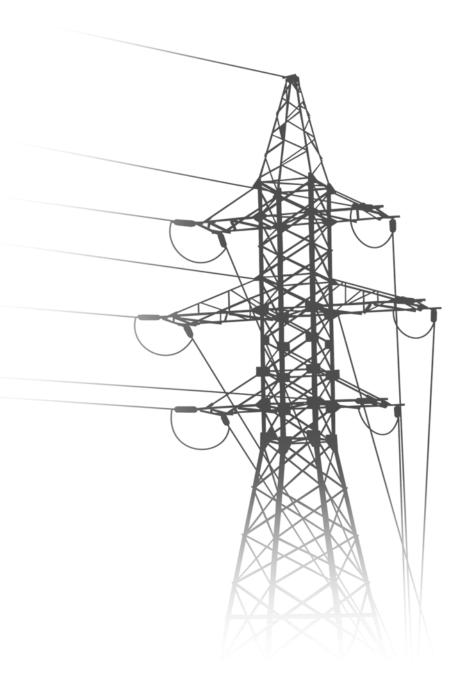


Infrastructure and Markets

- Montenegro



15th SE Energy Dialogue

TRANSMISSION SYSTEM MNE



TRANSMISSION SISTEM

Voltage level: 110, 220, 400 kV

• **OHL Length:** 1540 km

Number of SS: 28

• Total Gen Capacity: 1 GW

• Max Consumption: 540 MW

Total NTC (-MONITA): 1,7GW

DEVELOPMENT

• **5-year Inv.plan (2024-2028):** 198 mil EUR

New Interconnections: ITA, SER, B&H, ALB

Solar Projects: up 4GW (2GW contracts)

Wind Projects: up to 800MW

NEW SSs: Brezna, Pg7, Luštica, Bečići,...

Smart projects: DLR, Digital SS, VSR,...



MON.ITA. PROJECT - HVDC & Marine cable line





PROJECT PROFILE

Villanova (IT) – Lastva (ME)



Project main benefits





Decarbonization



Sustainability



System security



Market efficiency

- Voltage level: 500 kV (DC)

- Trans.capacity: 600 (1200) MW

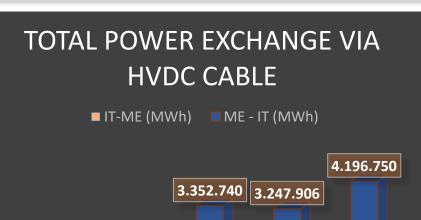
- Total Lenght: 445 km

- CAPEX: up to 1 bilion EUR

- Commissioning date: 2019 (I pole), 2027 (II pole)

POWER EXCHANGE VIA HVDC CABLE





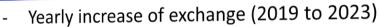
421.991

2022

51.872

2023

Cross-Border Physical Flow 14.6.2024.



189.447

2021

1.635.422

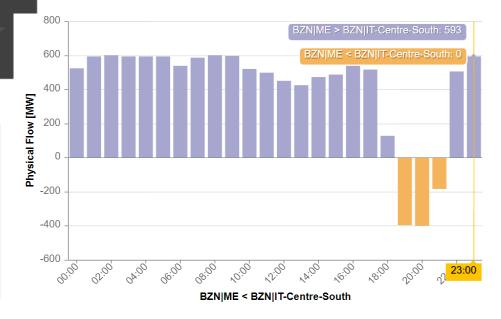
1.048.510

2020

6.533.460

2019

In 2023 direction from ME to IT predominant - higher price of electricity in Italy

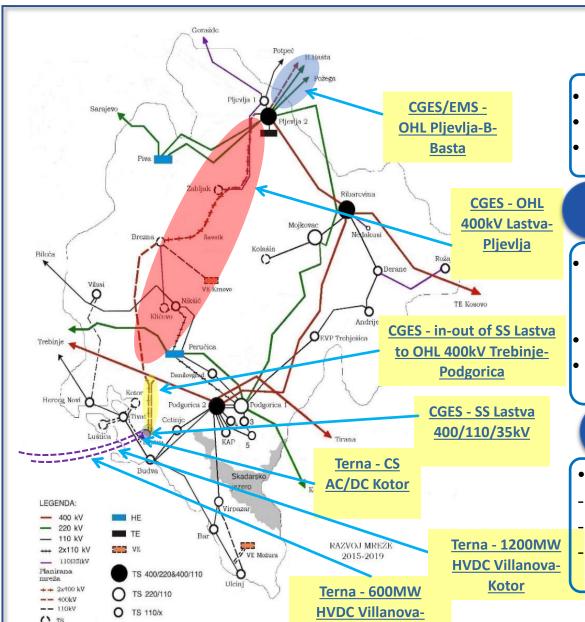


RES INTEGRATION – NEW PP



TRANS - BALKAN CORRIDOR (phase I and II)





Kotor

PROJECT BENEFITS

- 400 kV Ring –Security of suply
- RES Integration
- Market Integration...

OHL 400 kV LASTVA - PLJEVLJA

- OHL length 120 km (Čevo Pljevlja) + 2x35km (Lastva – Čevo)
- 2 NPs, 8 Municipalities,...
- Status: 97% completed

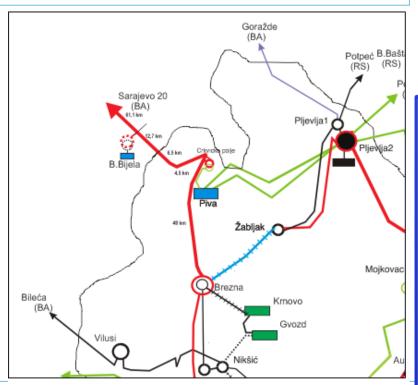
COMPLETION MILESTONES

- I phase completed 2019
- 2024 for OHL Lastva-Pljevlja,
- 2027 for OHL Pljevlja-B.Bašta
- 2027- 2nd pole of MONITA

NEW INTERCONNECTIONS AND INTERNAL REINFORCEMENT PROJECTS



NEW 400 kV OHL Brezna-Sarajevo 20

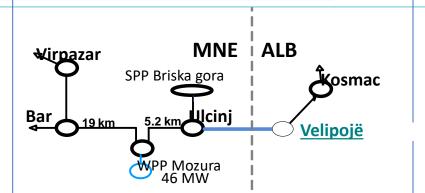


Main projects

250

- Installation of variable shunt reactor
 MVAr in SS Lastva
- OHL 400 kV Brezna Sarajevo (BiH)
- OHL 220 kV Trebinje (BiH) Perućica Podgorica - Koplik (AL) – increasing the transmission capacity
- SS 400/110 kV Brezna
- OHLs 110 kV Lastva Kotor, Virpazar Ulcinj, H.Novi – Vilusi,...
- SSs 110/x Luštica, Podgorica 7, Buljarica,...
- Reconstruction... of OHLs 110 kV

INTERCONNECTION ALB - MNE - B&H



Electricity integration package (EIP)



The Ministerial Council of the Energy Community, by decision D/2022/03/MC-EnC dated 15.12.2022. adopted a package of adapted regulations for the integration of electricity (EIP), which aims to fully integrate the markets of the contracting parties of the Energy Community into a single European electricity market.

I. Four EIP regulations that are part of the Clean Energy Package:

Electricity Directive (EU) 2019/944 (recast);

Electricity Directive (EU) 2019/943;

Regulation on preparedness for risks in the electricity sector (EU) 2019/941 (recast);

ACER Direktiva (EU) 2019/942

II. Five network codes and guidelines:

Regulation on the establishment of guidelines for the long-term allocation of cross-zonal electricity transmission capacities (FCA);

Regulation on establishing guidelines for capacity allocation and congestion management (CACM);

Regulation on the establishment of guidelines for balancing electricity (EB GL);

Regulation on the establishment of guidelines for the operation of the electric transmission system (SOGL);

Regulation on determining the network rule for emergency states and recovery states of the electric power system (ER NC).

The process of transposing the EIP into the national legislation



- ✓ At the beginning of the year, the Ministry of Energy and Mining formed two working groups for the transposition of the EIP into the national legislation.
- ✓ The working groups are tasked with preparing draft proposals for the Law on Energy and the Law on Cross-Border Exchange of Electricity and Gas.
- ✓ The plan is to complete the process of transposing the EIP into the national legislation of Montenegro at the end of 2024.
- ✓ As the plan is to complete the process of transposing the EIP into the national legislation of Montenegro by the end of 2024, the support of the Secretariat for Legislation to the initiative of the CGES to implement the above-mentioned network codes and guidelines directly into the national legislation through appropriate basis in legal and by-laws
- ✓ A significant part of the activities requires regional cooperation and reaching an agreement, so there is still no necessary progress and compliance with the deadlines from the dynamic plan

Capacity calculation region CCR ITME



- ✓ With the adapted CACM regulation, capacity calculation region CCR ITME was established on the border of Montenegro and Italy.
- ✓ CGES and TERNA formed the Governing Body at the beginning of this year that will oversee the ITME CCR operationalisation process, as well as the Technical Team, which is in charge of preparing the draft methodologies and terms and conditions.
- ✓ CGES and TERNA are currently in the phase of harmonizing the final draft of the methodology for capacity calculation, which will soon be ready for approval by the regulators of the two countries.
- ✓ In the near future the Technical Team will start activities on the preparation of **methodology for redispatching and countertrading** and **the methodology for costs sharing** of RD and CT.
- ✓ CGES and TERNA, together with the regulators of Montenegro and Italy, formed the ITME Implementation Team which, among other things, will be in charge of coordinating and monitoring the activities carried out by the two TSOs in order to operationalise the CCR ITME.

Local implementation project

LIP Montenegro-Italy



- ✓ The activity carried out by CGES for market coupling between Montenegro and Italy within the
 framework of the Single Day-Ahead Market (SDAC) refers to the establishment of the local
 implementation project Montenegro-Italy through the membership of CGES and Montenegrin
 Power Exchange (BELEN) in the project Italian Border Working Table (IBWT).
- ✓ On 30th May 2024, **BELEN** has been **designated** as the **Nominated Electricity Market Operator** (NEMO) by the Government of Montenegro.

_



CONCLUSION



Thank you for your attention!

Aleksandar Mijušković

Chairman of the Board of Directors aleksandar.mijuskovic@cges.me