

CLEAN ENERGY



A CONNECTION FULL OF ENERGY FOR SERBIA

ELECTRICITY FROM EU COUNTRIES - STABLE AND EFFICIENT



Improving the security and quality of power supply in western and central Serbia, reduced losses on the transmission network; a greater energy efficient transfer as well as greater energy stability – these are the main aspects of the new investment in the transmission power network through the Trans-Balkan Corridor project. It will connect the Serbian electricity network with Italy via Montenegro and also with Romania, Bosnia and Herzegovina. Plans also exist to expand to Croatia and Hungary in a few years from now. A project of regional and European importance which will strengthen the elec-

tricity network constitutes concrete help for the benefit of citizens as well as the economy. The upgrade creates a 400 kV section Kragujevac – Kraljevo which was finished in mid-2022. Future works will also upgrade the connections to 400Kv from Obrenovac to Bajina Bašta (works to begin in 2024) and Bajina Bašta - Višegrad (Bosnia and Herzegovina). It will also upgrade the connection to the border with Montenegro to 400 kV. These much-needed investments replace the outdated 220 kV network, which is prone to system failures and carries high operational and maintenance costs.

LENGTH	TOTAL INV VALUE	KFW LOANS	EU DONATIONS	NATIONAL CONTRIBUTION
321km	€154m	€82.8m	€31.2m	€40m

Flagship 5 TRANSITION FROM COAL



The WBIF project has been identified as Flagship "Transition from Coal" within the Investment Window "Clean Energy" within the **Economic and Investment Plan for the Western Balkans 2021-2027**. Transition from highly polluting coal to more sustainable and green sources of energy production will be key for the region to meet its commitments under the Paris Agreement and the targets set in EU's 2030 Climate and Energy Framework. The performant electricity transmission lines and smart grids will play a key role to increase use of renewable energy sources in line with the region's potential.

BENEFITS



Improved interconnection with other transmission systems and markets in the region and neighbouring EU member states



Integration of renewable energy generation sources



Eliminating bottlenecks in the existing system and thus reducing outages



Secure and stable power supply in Serbia and the region



Reduction of transmission losses

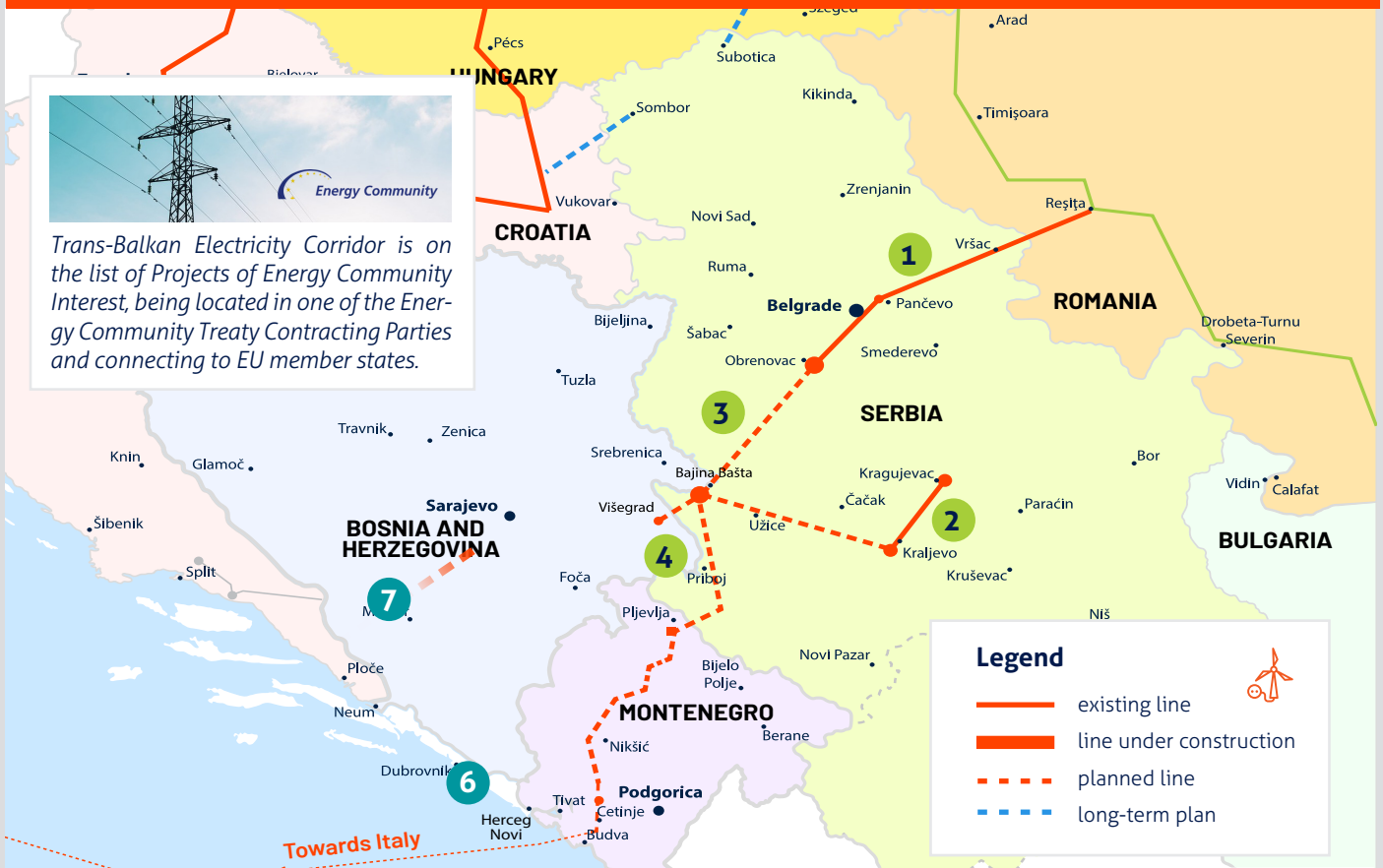


CO₂ emissions reduced



New jobs created during construction as well as operation and maintenance periods

TRANS-BALKAN ELECTRICITY CORRIDOR



1

Existing Section I - OHL 2x400kV Pančevo 2 (RS) - SS Resița (RO)

Length: 68 km

Investment value - 27,4 MEUR financed from JSC EMS own funds.

Status: Construction completed in December 2017

2

Existing Section II 400 kV OHL SS Kragujevac 2 - SS Kraljevo 3, with voltage level upgrade in SS Kraljevo 3 to 400 kV voltage level - Completed

Length: 59.4 km

Total investment: €27,3m

EU donations (IPA II): €6.5m

KfW loan: €15m

National contribution: €5,8m

Construction completion: mid 2022

3

Planned Section - 400 kV OHL SS Obrenovac - SS Bajina Bašta with upgrade of SS Bajina Bašta to 400 kV

Length: 109 km

Total investment: €58,5m

EU donations: €14.1m

KfW loan: €40m

National contribution: €4.37m

Start of construction: beginning of 2024

4

Planned Section - 400 kV interconnection between SS Bajina Bašta (SRB) - Višegrad (BIH) - Pljevlja (MNE)

Length: 84 km

Total investment: €40.8m

EU donations: €10.6m

KfW loan: €27.8m

National contribution: €2.4m

Status of construction: Pending tender preparation

ALTOGETHER -

**31.2
MILLION EUROS
EU DONATION**

6

KfW European Bank for Reconstruction and Development

Grid Section in Montenegro

7

KfW

Grid Section in Bosnia and Herzegovina