

CLEAN ENERGY

TRANS-BALKAN ELECTRICITY CORRIDOR IN SERBIA



The Trans-Balkan Electricity Corridor is nationally and regionally significant and one of the Flagship projects under the EU's Economic and Investment Plan for the Western Balkans. This WBIF project contributes to the establishment of a regional power network connecting the electricity transmission systems of Bosnia and Herzegovina, Montenegro, and Serbia with Croatia, Hungary, Romania and Italy through 400 kV overhead lines or submarine cables. The EU-supported investments in the Serbian electricity transmission network include the construction of a new 400 kV section Kragujevac – Kraljevo, upgrading the sec-

tions from Obrenovac to Bajina Bašta and Bajina Bašta - Višegrad (Bosnia and Herzegovina), and to the border with Montenegro to 400 kV.

The new developments will have a low to moderate social and environmental impact since the new facilities will be built in close proximity to or will use the existing transmission corridors. These much-needed investments will replace the outdated 220 kV network, which is prone to system failures and carries high operational and maintenance costs.

LENGTH	TOTAL INV VALUE	LOANS	WBIF EU GRANTS	NATIONAL CONTRIBUTION
371.3 km	€192.8m	€117.1m	€32.1m	€43.6m

Flagship 5
TRANSITION FROM COAL



The WBIF project has been identified as Flagship "Transition from Coal" within the Investment Window "Clean Energy" as identified in 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 Grid Section In Serbia**
- 2 New 400 kV OHL SS Kragujevac 2 – SS Kraljevo 3, with voltage level upgrade in SS Kraljevo 3 to 400 kV voltage level**
Length: 59.3 km
Total investment: €28m
WBIF EU grants (IPA II): €6.6m
KfW loan: €14.3m
National contribution: €7.1m
Construction completion: mid 2022
- 3 New double circuit 400 kV OHL SS Obrenovac – SS Bajina Bašta with upgrade of SS Bajina Bašta to 400 kV**
Length: 115 km
Total investment: €58.9m
WBIF EU grants: €14.1m
KfW loan: €40m
National contribution: €4.8m
Start of construction: end 2022
- 4 New 400 kV interconnection between SS Bajina Bašta (SRB) - Višegrad (BIH) - Pljevlja (MNE)**
Length: 84 km
Total investment: €40.8m
WBIF EU grants: €10.6m
KfW loan: €27.8m
National contribution: €2.4m
- 5 400 kV OHL from SS Bajina Bašta to Kraljevo**
Length: 119 km
Total investment: €65.1m
WBIF EU grant: €0.8m
KfW loan: €35m
National contribution: €29.3m
Start of construction: 2027
- 6 KfW and European Bank Grid Section in Montenegro**
- 7 KfW Grid Section in Bosnia and Herzegovina**