



## MONTENEGRO

### Partners:

- Crnogorski Elektroprenosni Sistem AD

### Estimated total investment:

- €20.6 million

### EU technical assistance:

- €0.6 million<sup>1</sup>

### Duration of Technical Assistance:

- May 2015 – August 2018

### Lead IFI:

- EBRD

### Technical Assistance provided by:

- Infrastructure Project Facility 3 (Mott MacDonald – WYG – Atkins IPF Consortium)

## Electricity Network Expansion for the Development of New Renewable Energy Sources: Feasibility Study, including Preliminary Design

While Montenegro has an abundance of hydro and wind power generation potential it still needs to import about 35% of the country's total energy consumption. One of main constraints on the development and the use of these renewable energy sources (RES) is an insufficiently developed transmission network, which does not allow for significant amounts of new renewable electricity to be connected to the existing grid.

This grant supported the preparation of a feasibility study, including preliminary design, for the potential construction of an 110 kV overhead transmission line from Vilusi to Herceg Novi and of the associated 400/110/35 kV Brezna substation. Once built these investments would allow for the integration of renewable energy resources into the national grid, particularly wind, as well as for a better connection to the Trans-Balkan Corridor.

However, while the feasibility study and preliminary designs for the substation

went ahead, it has been impossible to identify a suitable option for the electricity line, despite extensive iterations and consultations with local municipalities and the beneficiary/partner, because of potential implications on the environmentally sensitive areas in the region, including a potential Emerald zone.

### Results:

- Feasibility Study
- Preliminary design



Landscape and infrastructure on the route from Vilusi to Herceg Novi, Montenegro.