

Serbia: Expansion of cross border capacities and national grid improvement

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To respond to the overloads detected in SEE region a list of new projects has been promoted. The overload of the line at the border between Bulgaria and Serbia, Bulgaria and Macedonia, as well as Romania and Serbia will be solved with two new projects - a double OHL line Sofia West (BG) - Niš 2 (RS) and the doubling of the existing 400 kV Đerdap 1 (RS) - Portile de Fier (RO).

The limitations on the transmission line at the border between Bulgaria and Greece, which is detected on the future 400 kV line Maritsa East (BG) - Nea Santa (GR), will be eliminated by doubling the transmission line.

The overload at the border between Romania and Hungary will be solved by constructing a new 400 KV long distance power line Debrecen (HU) - Oradea (RO).

In addition, the results of market simulation have indicated towards a need to increase the capacity at the border between Serbia and Croatia, as well as Croatia and BiH. Accordingly, the following projects have been agreed:

1. A new 400 kV OHL line Ernestinovo (HR) - Sombor 3 (RS), which will simultaneously solve the overload issue on the line Sandorfalva (HU) - Subotica 3 (RS) and the internal line Paks - Sandorfalva (HU) and
2. Upgrading the existing 220 kV line between the transformer substation Đakovo (HR) and the transformer substation Tuzla/Gradačac (BA)

With the aim of increasing cross-border capacity, and in accordance with national requirements, two internal projects have been nominated in Serbia:

1. Improvement of the existing 220 kV voltage network in central Serbia. This project is directly linked to the increase in the cross-border capacity between Serbia and Bulgaria, as well as between Serbia and Montenegro and Serbia and BiH. This project will build a completely new corridor from east to west, which will increase the potential for the transit of electricity from Bulgaria and Turkey towards Italy, Montenegro and BiH.
2. The project of 400 kV ring around Belgrade will solve the overload problem of the line Pančevo 2 - Beograd 20, it will enable the electricity transit from Romania to Croatia and Italy and strengthen the corridor north - south and east - west, considering that Serbia has eight borders and is located in the heart of the region. , transmits Serbia-energy.eu