

Media Release

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Line conversion in the Schaffhausen and Klettgau (Germany) area

Axpo is gradually converting its regional distribution grid from 50 kV to 110 kV. Reconstruction work on the line between the Eglisau substation and Wilchingen is necessary to accommodate the higher operating voltage. The regions of Schaffhausen and Klettgau (Germany) will benefit from a powerful grid and reliable power supply.

The existing 50-kV overhead line between the Eglisau substation and Wilchingen is 12 km long and runs through the German municipalities of Hohentengen and Griessen and the Swiss towns of Wilchingen and Wasterkingen in the area of Schaffhausen. About 9 kilometres are located on German territory. The voltage increase to 110 kV requires adaptation to the line and power masts, primarily involving the replacement of insulators and mast cross arms. Four masts located in the town of Wilchingen must be completely replaced. The transmission line and the ground cable can be retained.

Reconstruction work started in May 2019. The ground for the mast foundations has been excavated. Work on the masts for insulator replacement will be carried out in the towns of Griessen, Wasterkingen and Hohentengen from the beginning of September to the end of October 2019 and in the area of Wilchingen from May to August 2020.

More grid projects in the Schaffhausen region

In the course of the voltage conversion from 50 to 110 kV in the region of Schaffhausen, the line between Neuhausen and Rafz is in the last phase of reconstruction. The project for the voltage increase on the line between Neuhausen and Wilchingen is currently in the planning phase.

Conversion will increase transmission capacities and reduce grid losses by 75 per cent. At the same, grid infrastructure is regularly optimised and adapted to the changing framework conditions. Conversion requires an individual, specific approach for each grid component. The best solution is always evaluated keeping in mind applicable legal requirements and current practice, as well as spatial development, technological, environmental and economic efficiency aspects. In the long term, the measures make a vital contribution to reliable, sustainable energy supply throughout Northeastern Switzerland.

About Axpo: The Axpo Group produces, trades and distributes energy reliably for over 3 million people and several thousand companies in Switzerland and in over 30 countries throughout Europe. Around 4500 employees combine the expertise from 100 years of climate-friendly power production with innovative strength for a sustainable energy future. Axpo is an international leader in energy trading and in the development of tailor-made energy solutions for its customers.

Additional information

Axpo Holding AG, Corporate Communications
T 0800 44 11 00 (Switzerland) | T +41 56 200 41 10 (International)
www.axpo.com