The demand of the UPS of Russia power plants for the usage of phase-shifting complexes. Brilinskiy A. S., Evdokunin G. A., Kritskiy V. A., Odintsov M. V., Chernyakova L. B.

triggered the large-scale search for the new places of PSC installation at other hydroelectric power plants of the Unified Power System (UPS) of Russia. The main purpose of the Phase Shifting Transformer (PST) installation is to remove the existing restrictions on the output of HPP power or to significantly reduce the volume of power grid measures planned with an purpose to increase in their installed capacity. As a result, there were identified hydroelectric power plants, where the installation of PST might have a significant technical and economic effect.

The positive experience of operating the Phase Shifting Complex (PSC) at the Volzhskava HPP

Key words: electric power mode, phase shifting transformer, hydroelectric power plant, power distribution scheme.