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Equipment selections of reactive power compensation of the long transit 500 kV in UPS Ural.

Perspective operation modes integrated power system of the Ural with the introduction of new 500 kV transmission line from the Kirov power system to the Perm power system, from the Sverdlovsk power system to the Tyumen power system was examined.

Key words: optimum mode of power system, power system, unified power, power line, reactive power compensation, reactor, shunt reactor, controlled shunt reactor.

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