



АКЦИОНЕРНОЕ ОБЩЕСТВО

«СИСТЕМНЫЙ ОПЕРАТОР  
ЕДИНОЙ ЭНЕРГЕТИЧЕСКОЙ СИСТЕМЫ»

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**The Russian electric power sector is expected to add new 90 GW and modernize more than ¼ of existing capacity by 2042**

*In line with the General Scheme of Power Facilities Location through 2042 88.5 GW of new generation capacity is proposed to be commissioned and 66.4 GW of existing capacity (of total 253.5 GW) to be modernized until 2042. The document was elaborated by SO UPS and approved by the Government of the Russian Federation.*

As estimated, the total installed capacity may reach 299.3 GW by 2042. The share of solar and wind (of the resource mix) is expected to increase up to 7.3% (21.9 GW) in 2042 compared to 1.9% (4.7 GW) in 2023.

The forecasted electricity and power demand for 2025-2030 included in the General Scheme is in line with the forecast provided in the Scheme & Program of Power Systems Development over 2025-2030 horizon. In this regard, the average annual growth rate 2.1% for electricity demand, and 1.5% for power. The anticipated figures for 2031-2042 are 1.3% and 1%, respectively. The data up to 2030 include existing Interconnection Agreements.

The current scheme of long-term development planning provides update of the General Scheme on a regular basis in accordance with the emerging conditions in the industry.

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