

Title: Georgian wind power generation system

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What is the capacity of Georgian power system?

Currently, total installed capacity of Georgian system is 4715,9 MW. Namely: Small Hydro plants (<15 MW) 307.6 MW. Coal 13.2 MW. Wind Power Plants is 20.7 MW. Georgian power system is connected with the neighboring systems by following main high voltage interconnection lines:

How many thermal power plants are in Georgia?

Georgia also has five operational thermal power plants (TPPs): Mtkvari Energy (300 MW); two units at Tbilisres (270 MW); G-Power gas turbine station (110 MW); and the Gardabani 1 and 2 combined-cycle plants (230 MW and 255 MW). Georgian State Electrosystem JSC (GSE) is Georgia's largest transmission grid owner.

How much wind energy does Georgia have?

According to GNERC, however, only 22.5% (3 380.2 MW) are used for hydropower. Georgia's wind energy potential is estimated at 4 TWh (1 500 MW). The average wind speed fluctuates from 2.5 metres per second (m/s) to 9 m/s. The most favourable places for wind farms are being identified over the entire country.

What is Georgia's largest wind energy project?

Boasting an installed capacity of 206 Megawatts, this venture marks the inception of the largest wind energy project in the country. This initiative is poised to generate eco-friendly electricity capable of satisfying the annual energy consumption requirements of around 350,000 households, which accounts for 10% of Georgia's population.

It is currently the largest single wind power project in Georgia. After strict multi-dimensional selection such as technical reliability, solution economics, and bankability, the project ...

Update on Wind Power Plants Georgia Capital PLC (the "Group" or "Georgia Capital") announces that the Government of Georgia has approved the concept of the Group's renewable ...

Data from the power system Data from the power system Georgian power system is presented by Hydro, Thermal and Wind power plants. Currently, total installed capacity of Georgian system is ...



Georgian wind power generation system

JSC Wind Power, a renewable energy generation company based in Georgia, is leading the charge in the transition to sustainable power sources with the development of the Ruisi Wind Power Plant in ...

Blowing Wind into the System Considering the points raised above, a possible solution seems to be the identification of a renewable energy source with a pattern of generation ...

Georgia's gas pipeline system is connected to Russia's by the North-South Main Gas Pipeline System at the Georgia-Russia border, by the South Caucasus Pipeline entering from ...

Georgian Power System Georgian power system is mainly hydropower system Hydropower covers around 80% of total consumption, but during the dry periods thermal generation ...

Power System Overview The power system of Georgia is mostly presented of HPPs (which account for 80% of consumption), TPPs, one WPP (21 MW) and 110 MW of micro-generation ...

The total installed generation capacity across the Georgian power system is 4, 662. 9 MW, with notable coal-fired units capable of producing 3, 376 MW. The comprehensive energy ...

In Gori, around 90 km from Tbilisi, six wind turbines have been steadily generating power for the past two years. Qartli Wind Farm is the first wind farm built in Georgia and the first commercial ...

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