PRESS RELEASE
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LUKOIL ALIGNS A POWER UNIT WITH NATIONAL POWER GENERATION SYSTEM

On January 7, 2015, OAO LUKOIL aligned its 135-megawatt combined-cycle gas turbine (135-MW CCGT) unit in Budennovsk, Stavropol Territory , with the Russian National Unified Power Generation System. The unit has been commissioned and transmits electric power to the wholesale market of electric power and capacity.

The unit is also intended to supply heating power to the neighboring petrochemical plant, OOO Stavrolen, a LUKOIL Group member. Gas from the company's Caspian fields, used as the prime fuel, will ensure a synergistic effect.

The electric capacity generated by the 135-MW CCGT unit will be certified by the System Operator of the Unified Power System in February or March of 2015, after which LUKOIL Group's obligations under the Capacity Supply Agreement (CSA) to supply 890 MW to Russia's wholesale market of electric power and capacity will be considered fulfilled in full.

For reference:

The electric power of the 135-MW CCGT unit reaches 135 MW, while the heating power is 40 gigacalories per hour. The main generating equipment of the unit consists of two gas turbines (TRENT 60 Rolls-Royce), 58.5 MW each, a steam turbine (Siemens) and two waste-heat boilers with an after-burner (ZiO Podolsk).

The 135-MW CCGT unit constitutes a combined-cycle power plant capable of combined generation of heat and electric power. Due to the combined cycle characterized by electric power generation both from efficient gas turbines and a steam turbine operating on the exhaust gases from the gas turbines, the electric-power plant is capable of achieving an efficiency coefficient 1.5 times greater than that of the common steam power blocks.

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