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Jirau hydro power plant in Brazil achieves full assured energy

The Jirau hydro power plant reached 2,475 MW of installed capacity after commercial operation of the 33rd turbine was officially approved by the Electricity Energy Regulatory Agency (ANEEL). With this key milestone Jirau achieves full assured energy¹ of 2,185 MW average, and meets its contractual obligations with the distribution companies established through energy auctions.

Jirau turbines have been operating successfully, with positive overall performance, demonstrating good availability levels and operational flexibility.

Located on the Madeira River, in the State of Rondônia, in Northern Brazil, the plant will have a total installed capacity of 3,750 MW making it the fourth largest hydropower plant in Brazil.

The plant will reduce the necessity for thermal generation in Brazil, thus, effectively reducing national GHG emissions by 6 million tons per year. Jirau will produce enough clean and renewable energy to meet the electricity demand of 10 million Brazilian households.

Full commissioning of all 50 generation units is expected to be reached in 2016.

¹The Assured Energy of a plant is its Commercial Capacity, (i.e. the maximum amount possible to be sold through bilateral contracts) Assured Energy is the system capacity to supply demand assuming an acceptable level of risk. The Jirau hydro power plant is contracted under 30-year power purchase agreements (PPAs) with a pool of distribution companies, with the remaining Commercial Capacity contracted to the shareholders ENGIE, Chesf and Eletrosul.



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Press contacts:

Tel. France: +33 (0)1 4422 2435 Tel. Belgium: +32 (0)2 510 76 70 Email: engiepress@engie.com

S ENGIEgroup

Investor relations contact:

Tel.: +33 (0) 1 4422 6629 Email: <u>ir@engie.com</u>