Bujagali Hydropower Project

Jinja, Uganda

The Bujagali Power Station is a water power plant over the Victoria Nile to produce energy at the Bujagali waterfall in Uganda. The construction began in 2007 and ended in 2012. The water power plant was officially inaugurated on October 8, 2012. The capacity of the station is 250 megawatts (340,000 hp). The plant is one of the most powerful hydroelectric stations in Uganda.
In case of all hydroelectric stations, water is kept at a high potential level in the storage space by means of a dam (also called retaining wall or barrage). The motion energy of the outflowing water is transmitted to a water turbine or a waterwheel, which in turn drives an electric generator directly or through a transmission, that converts the mechanical energy into electrical power. A transformer station is also connected to many hydropower plants for feeding into a medium or high-voltage grid.

Water power is therefore one of the renewable forms of energy, since no carbon is emitted by direct operation (compared to thermal power plants which use fossil fuel)

Type of project:	Hydro-electric power
Project N°:	108
Certifier:	TÜV Rheinland

Type of certificate:

VCS | VERIFIED CARBON STANDARD

UN Agenda 2030 Goals (see page 55):

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