

**ENVIRONMENTALLY SUSTAINABLE
HYDRO POWER LOCATED IN
FAR NORTH QUEENSLAND**

Koombooloomba

Hydro



> About the project

Koombooloomba Hydro is a dam release point hydro and operates by capturing energy from existing water releases required for the operation of Kareeya Hydro, located downstream and also owned and operated by Stanwell.

Commissioned in 1999, the seven megawatt (MW) power station was constructed in line with principles of environmentally sustainable development. Its position on Koombooloomba Dam capitalises on the dam's original infrastructure that was established in 1960 and provided for an outlet for future hydro-electric development.

> Water supply

The catchment area of the Tully River spans approximately 260 square kilometres across one of Australia's wettest regions. Some of this rainfall finds its way to Koombooloomba Dam on the Atherton Tableland, which has a standard capacity of 180,000 megalitres and can manage an additional capacity of 25,000 megalitres using a rubberdam extension. This is an inflatable rubberised tube which is fitted along the crest of the spillway.

Using the combined generating capacities of Koombooloomba Hydro and the 86.4 MW Kareeya Hydro, Stanwell twice captures energy from water flowing down the Tully River, as it makes its way from the Atherton Tableland to the ocean.

> Environment

Hydro-electric generation (using the energy of moving water to drive generators) is one of the cleanest and most efficient methods of producing electricity from a natural source. Koombooloomba Hydro was designed and constructed according to strict environmental requirements. Operation of the hydro does not emit any greenhouse gases and it is one of only a few power generation facilities in Queensland able to supply green power.

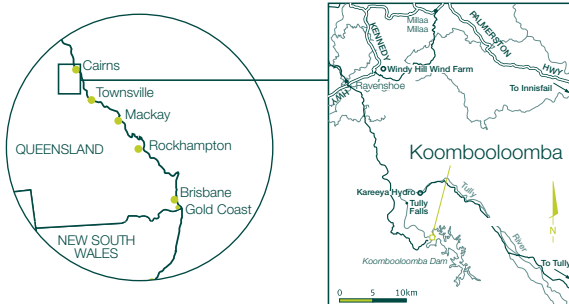
It operates within a certified ISO 14001 Environmental Management System and is an accredited green generator.

About Stanwell

Stanwell is a Queensland Government owned corporation with an energy portfolio comprising coal and hydro facilities throughout Queensland. Currently, Stanwell trades more than 30 per cent of the State's electricity requirements.

Statistics

Capacity	7 MW
Greenhouse Gas Savings	20,000 tonnes per year
Powered Equivalent	70,000 x 100 watt light bulbs
Commissioned	1999



Koombooloomba Hydro is located in the Wet Tropics World Heritage Area on Koombooloomba Dam, 37 kilometres south of Ravenshoe, in Far North Queensland.

> How electricity is made at Koombooloomba Hydro

