

Norway Døvikfoss

Toward the end of 2014, ANDRITZ HYDRO was awarded a contract by EB kraftproduksjon for the supply of a new Kaplan runner for the bulb turbine at HPP Døvikfoss.

HPP Døvikfoss is located in Buskerud County in southern Norway. It was originally commissioned in 1975. Initially no major rehabilitation work was planned, but due to a generator breakdown in February 2014 with an estimated outage time of about 1.5 years, the customer decided to upgrade the turbine in parallel with the generator repair work.

ANDRITZ HYDRO will supply rehabilitation work, reconstruction of the guide vane apparatus connection, the delivery of a new High Pressure Unit (HPU) for runner and guide vane control and a new cooling system, as well

as a high pressure water unit for gate control. The new runner will be water filled (glycol), reducing the risk of emission of oil into the river.

Manufacturing and assembly of the runner, the works on-site, and commissioning will be executed by ANDRITZ HYDRO Norway. ANDRITZ HYDRO Finland will perform the drawings and the calculations.

The HPP Døvikfoss project emphasizes the good relationship between ANDRITZ HYDRO and EB kraftproduksjon.

Thor-Martin Heen
Phone: +47 91192939
thor-martin.heen@andritz.com

TECHNICAL DATA

Output: 15 MW
Voltage: 4.8 kV
Head: 5.85 m
Speed: 75 rpm
Runner diameter: 6,400 mm

Austria Schönau

Following commissioning of unit #1 in March 2013, ANDRITZ HYDRO has now successfully put unit #2 at Schönau hydropower plant into commercial operation.

HPP Schönau is located on the Enns River on the border between the Austrian states of Styria and Upper Austria.

The contract for refurbishment of two generators was awarded to ANDRITZ HYDRO in December 2011 by Ennskraftwerke AG Austria. ANDRITZ HYDRO impressed the customer by offering the best technical and economic solution, especially regarding increasing generator efficiency.

The scope of supply included two complete new generator stators, complete new poles for the rotors, new axial rotor fans, new control equipment for the generator and powerhouse ventilation,

as well as air temperature regulation, erection, and commissioning.

The completion of HPP Schönau marks a further important milestone for ANDRITZ HYDRO in the Austrian hydropower market.

Hans-Heinrich Spitzer
Phone: +43 50805 53615
hans-heinrich.spitzer@andritz.com

Gerhard Hofstätter
Phone: +43 (3172) 606 2282
gerhard.hofstaetter@andritz.com

TECHNICAL DATA

Output: 2 x 16.5 MVA
Voltage: 6.3 kV
Speed: 115.4 rpm



Canada Calabogie



ANDRITZ HYDRO won a contract for the supply of new equipment and the refurbishment of three sluiceway units at Calabogie hydropower plant in Canada.

HPP Calabogie, first put into service in 1917, is located 22 km south of Refrew, Ontario, on the Madawaska River. Currently the facility is operated by the Ottawa/St. Lawrence Plant Group within Ontario Power Generation (OPG).

The hydropower plant consists of two generating units. The sluiceway contains two different types of water control units – three units controlled with sluiceways and five units controlled by stop-logs.

ANDRITZ HYDRO will supply one set of sectional service gates, follower and storage rack for three sluiceway units, heated sluiceways, stair tower and electrical controls, as well as wiring (including a new 600 V supply and duct bank from the powerhouse to the dam). Furthermore, the scope comprises the blasting and painting of the hoist towers and the existing embedded parts and rebuilding of the hoists.

The 600 V supply duct bank was installed 2014. The remaining units will be delivered one each year between 2015 and 2017.

Brian Barker
Phone: +1 519 442 7884 ext. 235
brian.barker@andritz.com

TECHNICAL DATA

Scroll Case: Open Pit
Output: 2 x 2.2 MW / 2 x 2.5 MVA