

OPG orders replacement booms for its major hydro reservoirs

Ontario Power Generation (OPG) of Canada has placed a significant order for booms for its major hydro plants. Pacific Netting Products (PNP) will supply the multifunctional booms in an order valued at US\$ 2.1 million.

The company, based in Washington, USA, will manufacture and supply 1860 m of its patented booms to be installed in the head ponds at the Caribou Falls, Whitedog Falls, Manitou Falls and Silver Falls hydro stations, which are located across the northwest of Ontario, as well as 43 m of tailrace safety booms. These booms, which will replace existing failed plastic or steel booms and buoys, are designed to reduce surface debris flow into the intakes of the four hydropower stations and to delineate the general public dangerous water both upstream and downstream of the facilities.

The contract for the removal of the existing booms/buoys and installation and commissioning of the new all-season upstream safety and debris booms, and the downstream fast water buoys and tailrace safety booms, was awarded on 3 April to the Canadian construction group Stuart Olsen, who will act as the main contractor. Hatch Engineering will provide engineering services for the design of the equipment. Installation of the booms and buoys is scheduled to be completed in autumn 2020.

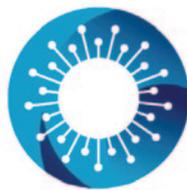
The order follows a previous contract for PNP in Canada, which involved the installation of a replacement debris boom last September for Fortis BC, in the forebay of the Waneta dam, which impounds the Pend Oreille river in British Columbia. "We are delighted to have won this contract, and grateful to OPG for the confidence they have placed in us," said Andy Peters, Director for Business Development at PNP.



The articulating universal joint connection of the multipurpose boom, which prevents axial roll while allowing articulation.



An installation of one of PNP's multipurpose booms at a reservoir operated by Portland General Electric, showing the flange bolt connections.



DAMWATCH

ENGINEERING BEYOND THE SURFACE



**SPECIALISTS
IN DAM ENGINEERING,
DAM SAFETY,
AND INSTRUMENTATION.**

P +64 4 381 1300

A Level 3, 88 The Terrace, PO Box 1549,
Wellington 6140, New Zealand

info@damwatch.co.nz

DAMWATCH ENGINEERING

www.damwatch.co.nz