Recent Industry News

Photo: OPG

Ontario supports plan for Pickering extension

The Ontario government is supporting a plan by Ontario Power Generation (OPG) to safely extend operation of the Pickering Nuclear Generating Station Units 5 to 8 to the end of 2025. The updated schedule will provide Ontario's electricity consumers with clean, reliable, low-cost energy and allow 4,500 jobs to remain in Durham region longer.

Read more here

Photo: NII

Bruce Power, Cameco expand partnership and launch Centre for Next Generation Nuclear

Bruce Power and COG supplier participant Cameco recently announced a series of initiatives – highlighted by the creation of a centre for next generation nuclear technologies through the Nuclear Innovation Institute (NII) – leveraging their existing partnership. As part of the Bruce Power Life-Extension Program, Cameco will supply 1,600 specialized fuel bundles for Unit 6, scheduled for restart in 2024.

Read Bruce Power release here
Read NII release here

Photo: Government of Alberta/World Nuclear News

Alberta, other provinces explore safe, small-scale nuclear technology

Alberta will enter into an agreement with three other provinces to explore emerging, small-scale nuclear technology that could lower emissions and help diversify the province's energy sector. Alberta Premier Jason Kenney has indicated Alberta's intent to enter into a memorandum of understanding with Ontario, Saskatchewan and New Brunswick to support the development of versatile and scalable SMRs.

Read more here

Photo: CNL

CNL retains strategic advisory team members

Canadian Nuclear Laboratories (CNL) recently announced three new special advisors retained by the organization to provide consultation services and support to help the company advance its nuclear science and technology programs. The new advisory team includes: Nobel Prize winning astrophysicist, Dr. Art McDonald; former president of the Canadian Nuclear Safety Commission (CNSC), Dr. Michael Binder; and President of Nuvujaq / Ajungi Group, Madeleine Redfern.

Read more here

Photo: SNN Romania

Feasibility study sought for Cernavoda expansion project

The Romanian government has launched a tender for a new feasibility study to complete Units 3 and 4 of the Cernavoda Nuclear Plant, for which it is prepared to pay up to 1 million Romanian Leu (approximately $323,300 Canadian dollars). Cernavoda is the only nuclear power plant in Romania. Unit 1 went into operation in 1996 and Unit 2 in 2007. SNN Romania plans to extend the operating life of Unit 1 for approximately 60 years.

Read more here

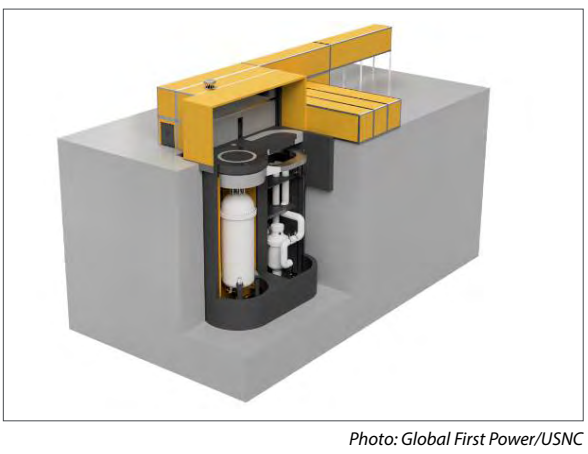

Photo: Global First Power/USNC

Scope of environmental assessment of Global First Power's micro modular reactor released

The CNSC recently released the scope of the environmental assessment for Ottawa-based Global First Power's proposed micro modular reactor at Chalk River Laboratories. The decision comes after a public comment period that closed in 2019. Global First Power can now begin to prepare an environmental impact statement. Participant funding will be offered for this project phase. OPG is a partner with Global First Power and Ultra Safe Nuclear Corporation in their joint SMR project.

Read more here

Photo: X-energy

X-energy moves forward with Canadian Vendor Design for its Xe-100 SMR design

COG SMR vendor participant, X-energy, has initiated a Vendor Design Review (VDR) for its Xe-100 SMR design with the CNSC. In preparing to site the advanced nuclear technology reactors in Canada, with partners across the Canadian supply chain, X-energy plans to develop and deploy the 80-MWe reactors, scalable to a 320-MWe four-unit plant, to meet the growing need for clean energy solutions.

Read more here

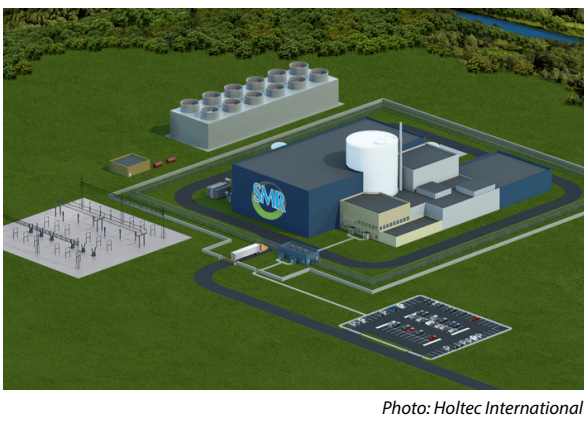

Photo: Holtec International

Holtec successfully completes CSNC's Phase 1 Vendor Design Review

Holtec International, a COG SMR vendor participant, has successfully completed Phase 1 of the CNSC's pre-licensing review of a vendor's reactor design for its SMR design. The SMR160 is a light-water based pressurized small modular reactor that generates 160 MWe (525 MWth) and relies on gravity to operate the reactor and the passive safety systems.

Read more here