

# Conexus Nuclear Inc. Update

Virtual Spring Meeting of the Light Water Reactor Sustainability (LWRS) Program

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### **Conexus History and Timeline**

- Founded in 1984 by AECL, Ontario Hydro, New Brunswick Power, and Hydro Quebec as a division called CANDEV, managed under Ontario Hydro
- Primary purpose to support joint R&D to advance the CANDU technology and support operational performance
- Expanded services to cover information sharing, benchmarking, OPEX, training and professional development of workers
- **Privatized in 1999 as CANDU Owners Group**, a private and not-for-profit corporation
- Home of the CANDU 6 Fleet Forum to support international members
- In 2018, the mandate was expanded to include "advanced technologies" to support work on SMRs and other technical areas
- Rebranded in April 2025 as Conexus Nuclear Inc. (Conexus) and we remain a private, not-for-profit corporation



# What We Do

#### Overview

# Conexus is a well-established organization of expert talent in:

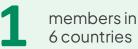
- Management of complex, multi-member projects
- Manage a large industry R&D program portfolio (nuclear science and engineering)
- > Coordinate industry level response on many nuclear safety, environmental and regulatory affairs issues
- > Conduct procurement of goods and services across international jurisdictions
- > Provide training and professional development
- > Peer group/workshop facilitation
- Management of industry-wide OPEX and best practices to support continuous improvement and international benchmarking



We generate powerful synergies for our members and nuclear partners to help them create solutions, transform and achieve performance excellence

### **Conexus – Excellence and Innovation Through Collaboration**

Members and Stakeholders





SMR vendor participants

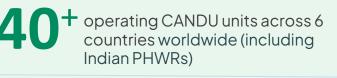
organization participants

**Funded** voluntarily by our members and participants

Multiple Canadian and international partners

Founded in Canada in 1984

Canadian Technology with International Reach



\$75<sup>+</sup> million annually in R&D and member-initiated projects

Private, not-for-profit corporation

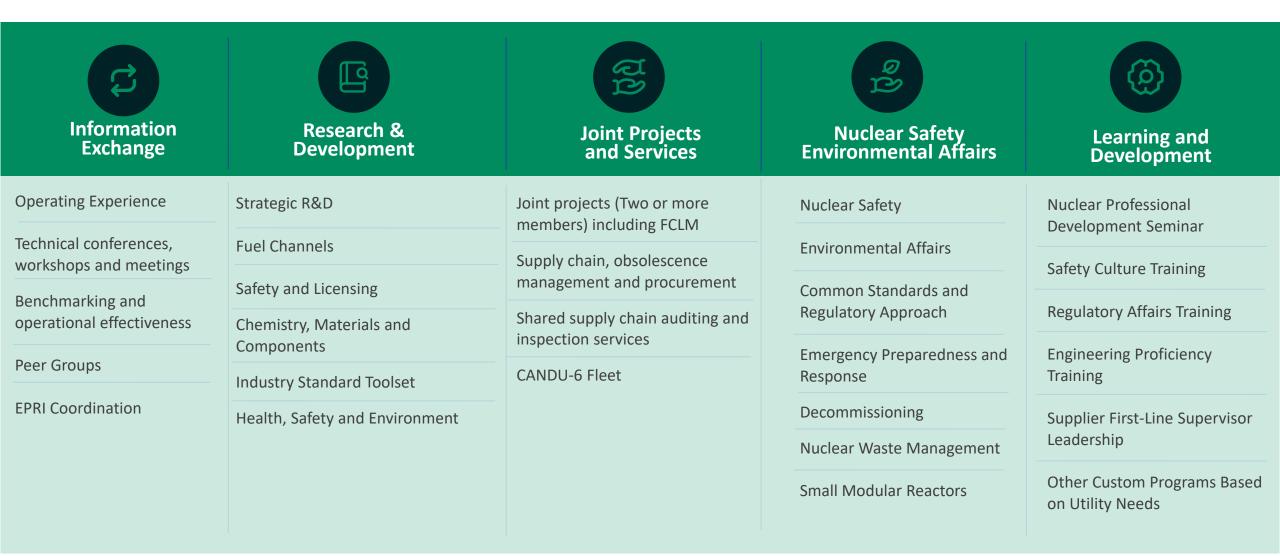
Enables safe, reliable, cost effective and environmentally sound operation through knowledge and resource sharing

2020 – Achieved Equal 30

CANDU and Beyond – Performance Excellence and Industry Sustainability



# **Conexus Collaborative Solutions**



### **Partnership for Greater Influence**



Conexus serves as a common CANDU portal in organizations like EPRI and IAEA to strengthen member value.

Conexus leverages MOUs and partnership agreements with WANO, IAEA, NEA, WNA and others to provide members an aligned, coordinated response that avoids duplication of service and cost.



Through Conexus, members create aligned and robust input and responses to new and evolving standards and regulatory requirements.



### **Conexus Members**

#### Canadian Members

#### International Members



**Bruce Power** 



Canadian Nuclear Laboratories

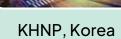


New Brunswick Power



CNNO, China







NASA, Argentina



Ontario Power Generation



SaskPower



Saskatchewan Research Council



NPCIL, India



SNN, Romania

### **CANDU Member Priorities**



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# Strategic Trends and Drivers

- Key decisions are underway between now and 2028 that will determine the path forward for industry, including (but not limited to):
  - technology selection for new builds,
  - licensing processes for SMRs,
  - siting decision for a DGR, completed
  - planning for decommissioning,
  - planning for a second refurbishment at Pt. Lepreau
- New CANDU units could be online at Cernavoda as early as 2032, and the COG R&D program will need to expand as a result.
- A number of Canadian and international units will be refurbished by 2032 and entering their second lifecycle. COG will need to assess if our programs align with the needs of those units.

# What this Means for Conexus



Development of collaborative R&D program for SMR technologies being deployed in Canada



Potential rapid expansion of the R&D program when new builds are in operations



Growth in joint projects to create a flexible space for members to partner on specific needs

# **Rebrand – Overview**

# Why did we rebrand?

- Modernize our company and adopt a new name that can grow with us
- Support our Members' expanding portfolios in reactor technology and leverage our successful collaboration model
- Reflect our company's evolution to support a broad range of clients, members and participants

### What has changed?

- Our Company Name
- Our Logo and visual identity
- We have refreshed our vision and values
- We are continuing to identify opportunities for sustainable growth in support of evolving member needs

# What hasn't changed?

- Our commitment to excellence through collaboration and CANDU excellence
- Membership structure; member, partner, and participant agreements
- Our programs and services
- Any contracts or agreements currently held with COG

We are evolving our brand to be more reflective of our current mandate: to be a leading nuclear industry collaboration hub supporting achievement of Canadian and international net zero and energy security goals.

# Collaboration in an evolving nuclear landscape







- The nuclear sector is built on a foundation of collaboration.
- Working together, we've achieved exceptional results and performance excellence through a shared commitment to R&D and continuous improvement, as demonstrated by recent performance milestones.
- The next 40 years can be even better for operating plants, as the industry builds the next generation of nuclear.

Contract of the in 2018

COG visits China in 2018



Supplier Participants visit the Darlington refurbishment training facility

Meeting industry targets will require significant communication, coordination and collaboration. We've done it before, we can do it again!



# Thank you! Questions?

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