

CANADIAN **NUCLEAR** PARTNERS



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A Subsidiary of Ontario Power Generation

CNP Update to OCNI Board

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Director – Business Development & Commercial Services

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Who We Are

- Canadian Nuclear Partners (CNP) was established in 2012 as a subsidiary of Ontario Power Generation (OPG)
- We share the core values of Safety, Integrity, Excellence, People & Citizenship
- CNP has exclusive access to generation, technical development and operational expertise established by OPG over decades as an operator of nuclear, hydroelectric, thermal and more recently conventional and advanced biomass stations
- CNP is well positioned to participate in both nuclear & non-nuclear markets by providing practical solutions, competitive pricing & reliable services
- CNP participates in & supports both domestic and international industries & opportunities.

www.canadiannuclearpartners.com



Key Drivers for Our Business

CNP was established to help achieve strategic goals for OPG, our Shareholder, and support the Canadian nuclear industry.

- We strengthen the performance and reputation of OPG, for our Shareholder and the Province of Ontario
- We enable and generate additional income providing financial benefit to:
 - i. The Province of Ontario through the services and solutions we provide to the market which originate from within the regulated utility
 - ii. OPG and our Shareholder through the services and solutions we provide to the market which are outside the regulated utility
- We support and help prepare for the business transformation required for Pickering end of operations (2024) by providing services and leveraging expertise with current and future capacity.
 - OPG will continue to retain expertise while distributing costs realized by servicing the market
- We support the goals outlined in the Ontario Long Term Energy Plan (LTEP)
 - Export Ontario nuclear and non-nuclear expertise domestically and internationally

CNP's Approach

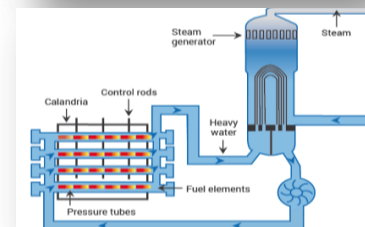
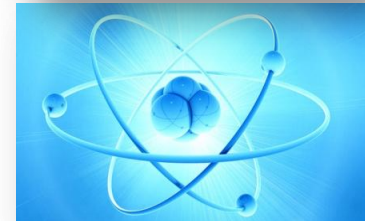
- Our primary focus is to provide the domestic and international Candu fleet with superior services at the highest value
- Our secondary focus is to extract maximum value from our assets, people, Intellectual property (IP) and technology with the goal to supply solutions to all markets available to CNP

Through our efforts we will provide increasing value to OPG, our Shareholder and the Province of Ontario.

- Our approach to international work is to partner with other Canadian (or international) companies to maximize export value of our resources and technology while minimizing international risk
- Key areas of international risk exposure include:
 - Anti-Bribery and Corruption (ABC) program for international work
 - Restrict business in countries without adequate nuclear liability regimes (e.g. India)
- Participate actively in industry forums to progress nuclear energy & support trade missions enabling the export of Ontario's nuclear expertise

Services & Offerings

- **Inspection & Maintenance Services / Technical Support**
 - Fuel Channel Inspections & Maintenance Services
- **Nuclear Operations and Maintenance Support**
 - Technical Support & Mentoring; Industry Leading Governance
- **Nuclear Waste Management Solutions**
- **Refurbishment Planning and Execution**
 - *E.g. Collaboration with Bruce Power*
- **Advanced Biomass Conversion Advisory Services**
- **Specialized Hydro & Thermal technical Services**
 - Dam safety program expertise; Performance Testing
- **Proprietary Technologies**
 - Licensing of technologies, tooling, assets and engineering assessments
- **Projects – Reactor Design / Vendor Support Services**
 - Support technology developers in achieving regulatory approvals, operations expertise (E.g. Small Modular Reactors)
- **Heavy Water Management Sales & Services***
 - Detritiation Services & Sale of Heavy Water
- **Isotopes***
 - Cobalt (Co-60); Helium (He-3); Tritium; Plutonium (Pu-238) commercialization



**Future services / opportunities to be contracted through CNP*