

to the Canadian economy and provides The nuclear industry in Canada contributes \$178 AUGI GAR POWER GENERATION
INTO HOITAVONNI $\$26\, B$ mestment planned and oxegoing to extend the life of Ontario's reactions - fargest infrastructure projects in Canada. - Several vendors are working directly with utilities · Four vendors are participating in CNUs process to site an SMR at a federal lab site 12 vendors are participating in CNSCs Vendor Design Review A number of initiatives are being pursued in Canada to support SMR development: World leading innovators are pursuing the on-gold and mining markets in Canada for deployment in the late 2020th to early 2030s.

A propiem milk, ore is processed into concentrate: "Milowe sin".
TILLIPCALE

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Senati Modular Reactors (SMRs)

SMR Project Opportunities in late 2020s or early 2030s

ONTABIO

QUEBEC

Blind Blver

Point Leprazu

Port Hope

The next wave of Canadian nuclear innovabon: smaller, simpler and cheaper,

Canada is well-positioned to lead and capture a share of the emerging global manket, estimated to exceed \$150-3008 annually by 2040, due to its competitive advantages.

Key SMR initiatives to ensure policy readuress and chart a path forward for SMR technology in Canada include:

▼ SMR Sites Not Currently Onder Review Potential SMR Sites / Buder Berrew

NO Power Advanced SMR & Waste Management Chall River Off-Carld Micro Mediciar Reactor - DPG Durington On-Card SMR (DN)

Canada's SMR Roadmap (2018)
Provincial MOU between DN, NB and SK on SMRs (2019)
Canada's SMR Action Plan (2020)

URAMUM MINIS

direct jobs | indirect jobs

Dran um fuels the works.

2110 largest world

\$800 M .. 2019

Leader in nuclear research and technology. Canadian-developed CAVIDV reactor technology operating on 4 continents, representing 5% of the world nuclear capacity.

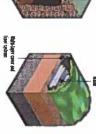
Strong nuclear science and technology presence across Canada: 5 research reactives and fusion technologies support REO, and produce sologies for medical and industrial applications, including more than 50% of the world's supply of Caball-50, used to science medical equipment around the world.

Uranium mise and mill talkings waste [[]][[]][[] Righ-level waste - Nuclear fuel waste Radioactive waste is produced throughout the nuclear fuel cycle and safely managed in licensed storage facilities: law and intermediate-level waste [6]

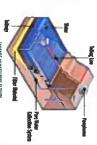
Initializes underway for long-term management of radioactive waste include

All in keeping with externationally accepted approaches and best practices Deep geological repositories - surfable for all waste categories
 Rear-surface mounds - surfable for LLW; and
 Tailings management facilities - specifically designed for failings





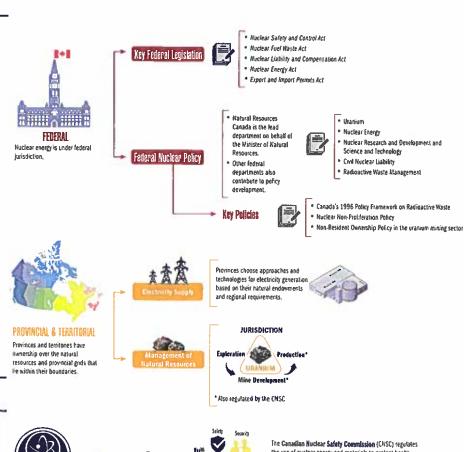
ICTATI- STREET BYSACTI EMERLY



25% used to fuel Canadian nuclear power reactors (2019)

75% was exported for use in foreign nuclear power reactors (2019)

Governance Framework



National Regulator

Nuclear Sector

Policy Makers



Safety Commission











The Canadian Nuclear Safety Commission (CNSC) regulates the use of nuclear energy and materials to protect health, safety, security and the environment; to implement Canada's international commitments on the peaceful use of nuclear energy, and to disseminate objective scientific, technical and regulatory information to the public.

The CNSC is an independent administrative tribunal set up at arm's length from government.







Bruce Power

Ontario Power Generation New Brunswick Power



Atomic Energy of Canada Limited | Canadian Nuclear Laboratories Universities Federal & Provincial Laboratories SMR innovators Hospitals Nuclear Applications Industry



Industry Engineering Procurement, and Construction Firms Manufacturing Construction Services Original Equipment Manufacturer (SNC Lavalia)

A number of companies stretching along the Quebec City-Windsor Comdor and in others locations across Canada



Responsible for financing and management of facilities required for the waste

Atomic Energy of Canada Limited Ontario Power Generation

Hydro Québec NB Power

Uranium mining, milling and processing industry