



**AECL**  
**EACL**

Driving nuclear opportunity  
for Canada

Propulser les opportunités  
nucléaires pour le Canada

# Atomic Energy of Canada Limited Public Meeting

May 14 2019

Governance  
& Oversight

Nuclear  
Innovation

State-Of-  
The-Art  
Nuclear  
Campus

Environmental  
Stewardship

Looking  
Ahead

Claude Lajeunesse, Chair of the Board of Directors  
Richard Sexton, President and CEO

## Vision

*Driving nuclear opportunity*

## Mission

*Realize value to Canadians by driving nuclear innovation, creating a state-of-the-art nuclear campus, and cleaning up legacy wastes.*

## Governance and Oversight



Mandate

AECL's Role

Sites Across  
Canada

GoCo

2019-20  
Funding

Oversight

## Mandate

- Enable the development and application of nuclear science and technology
- Protect the environment by managing the Government of Canada's radioactive waste and decommissioning responsibilities



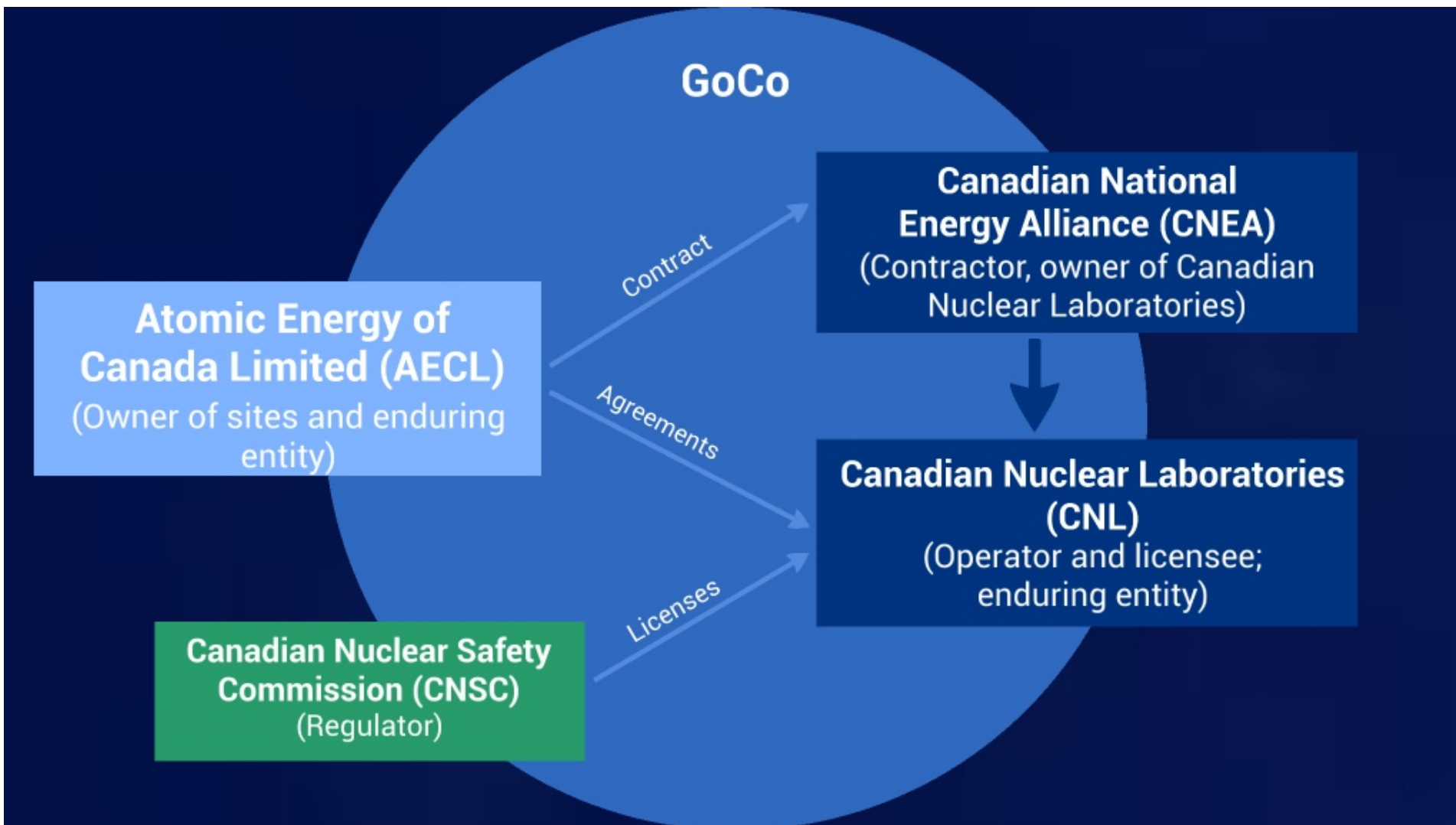
## AECL's Role

- Set priorities
- Oversee the contract, assess performance
- Agent of government, support the development of nuclear policy

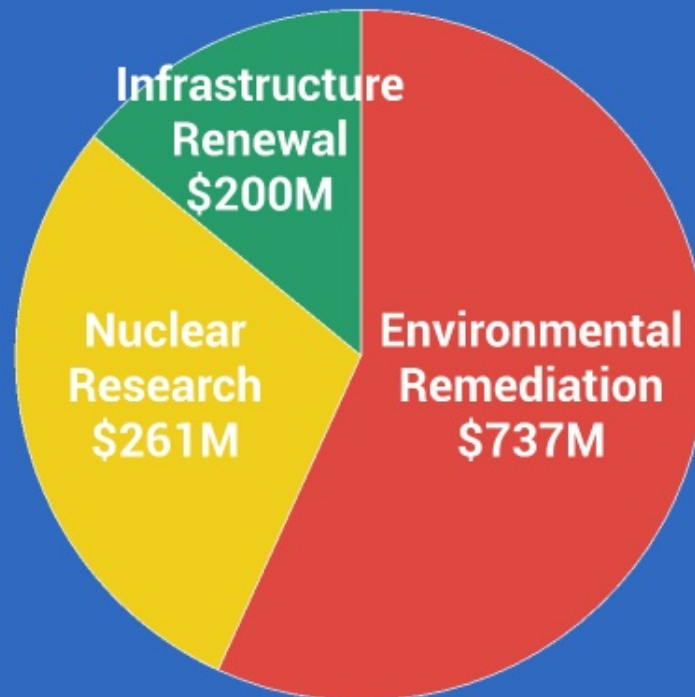
## Sites Across Canada







## 2019-20 Funding



## Oversight



Who we  
are





Karen

Steve

Janet

Karen



Steve



Janet





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## Nuclear Innovation



Neutron  
Source

Federal  
Science &  
Technology

Small  
Modular  
Reactors

Targeted  
Alpha  
Therapy

# NRU

Contributed to Canada's innovation and science activities for more than 60 years



## Federal Science & Technology

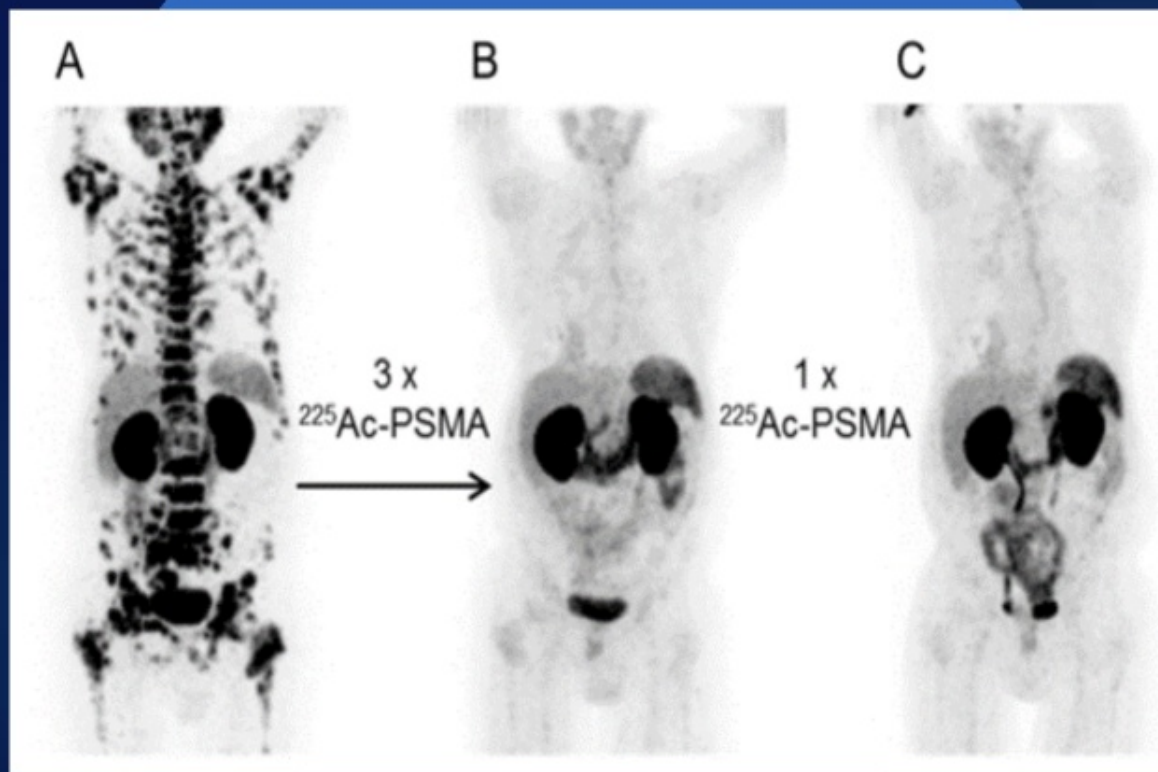
- Biological and health applications
- National & global security
- Emergency preparedness
- New nuclear technologies
- Environment and responsible waste management



## Small Modular Reactors



## Targeted Alpha Therapy







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## State-Of-The-Art Nuclear Campus



Infrastructure  
Renewal

Business  
Transformation

# Infrastructure Renewal



Advanced Nuclear Materials Research Centre



# Infrastructure Renewal



## Business Transformation







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## Environmental Stewardship



Port Hope  
Area  
Initiative

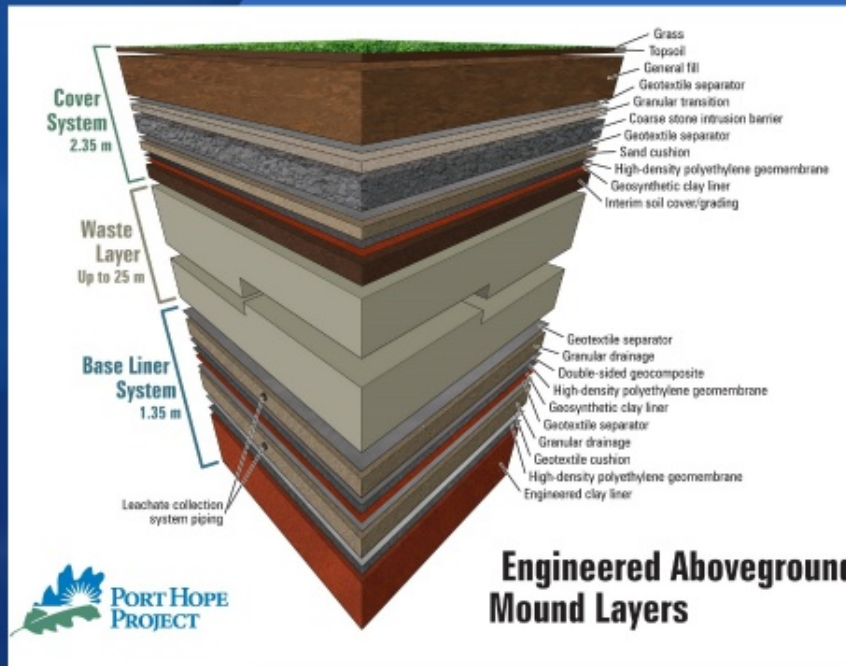
Whiteshell

Nuclear Power  
Demonstration

Chalk River  
Laboratories

Near Surface  
Disposal  
Facility

# Port Hope Area Initiative



**Engineered Aboveground Mound Layers**





## Whiteshell



## Whiteshell





## Whiteshell



## Nuclear Power Demonstration



## Nuclear Power Demonstration



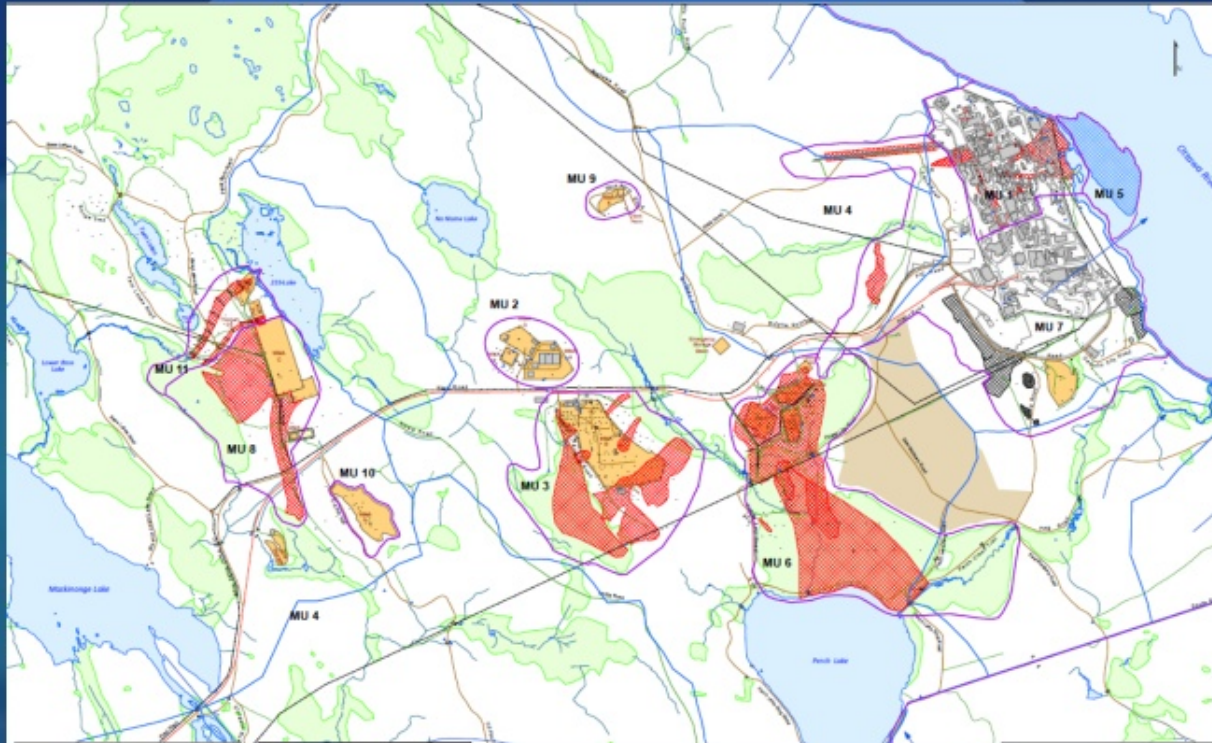


## Chalk River Laboratories





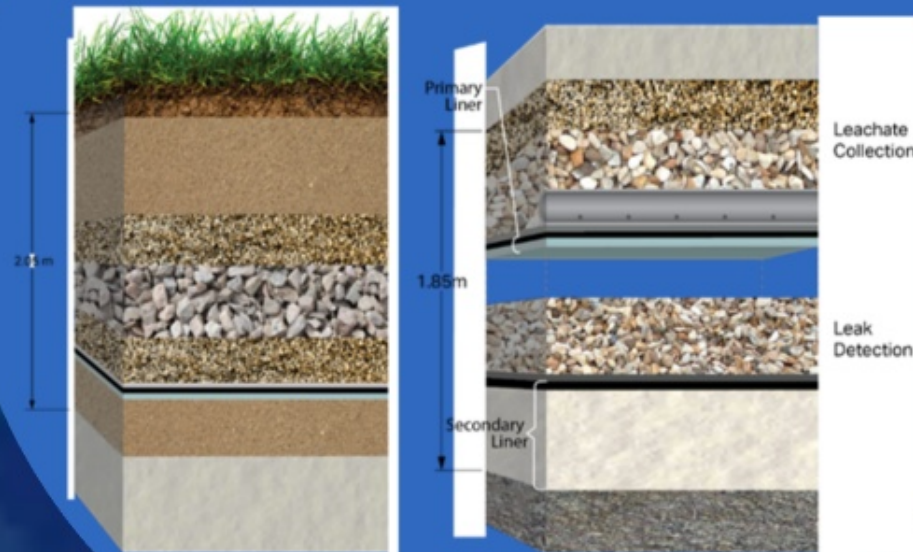
## Near Surface Disposal Facility



Near Surface  
Disposal  
Facility

## Near Surface Disposal Facility

Responsibly cleaning up accumulated waste, contaminated soil and decommissioning buildings





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## Looking Ahead

Progress made on a number of fronts



Site  
Transformation

Science &  
Technology

Environmental  
Remediation

More  
Information



# Site Transformation



- |                                                                                     |                                                              |                                                                                       |                                     |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------|
|  | Building to be decommissioned and demolished                 |  | New/Refurbished buildings           |
|  | Building to be decommissioned and maintained in surveillance |  | Existing buildings that will remain |



# Small Modular Reactors





## Environmental Remediation

- Clean up and remediation at Port Hope well underway

- Planned NSDF will enable remediation at Chalk River





## For more information



[www.aecl.ca](http://www.aecl.ca)



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