



Supplementary Information

Presentation from Cameco Corporation

In the Matter of the

**Cameco Corporation,
Cigar Lake Operation**

Application for the renewal of Cameco's uranium mine licence for the Cigar Lake Operation

Commission Public Hearing

April 28-29, 2021

Renseignements supplémentaires

Présentation de Cameco Corporation

À l'égard de

**Cameco Corporation,
établissement de Cigar Lake**

Demande de renouvellement du permis de mine d'uranium de Cameco pour l'établissement de Cigar Lake

Audience publique de la Commission

28 et 29 avril 2021



Energizing a clean-air world

Cigar Lake Operation Licence Renewal Public Hearing

April 28 - 29, 2021



Experienced Operator

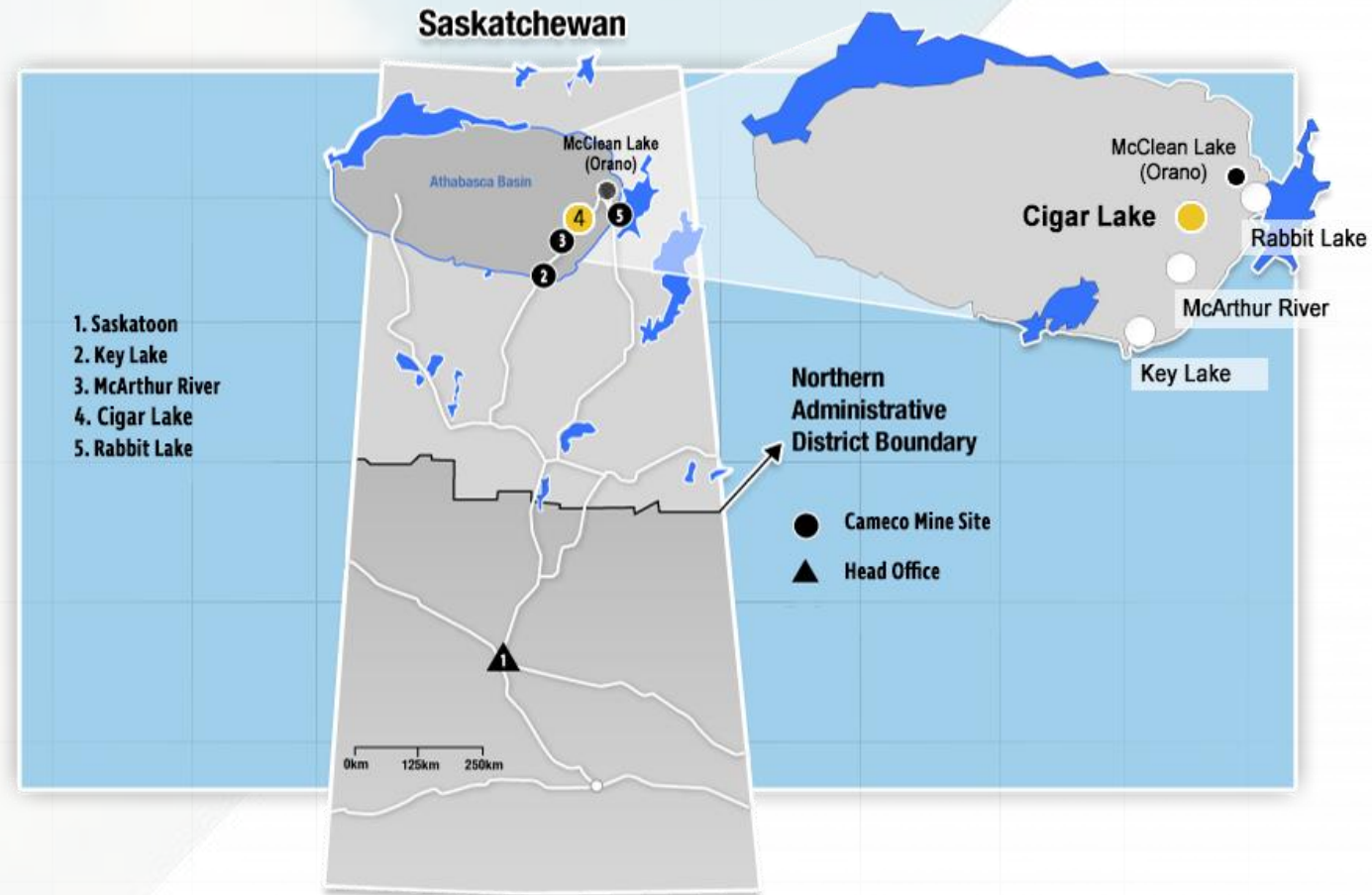
- Our Vision is aligned with the world's growing need for carbon-free energy
- Our Values
 - Safety and Environment
 - People
 - Integrity
 - Excellence



Energizing a clean-air world

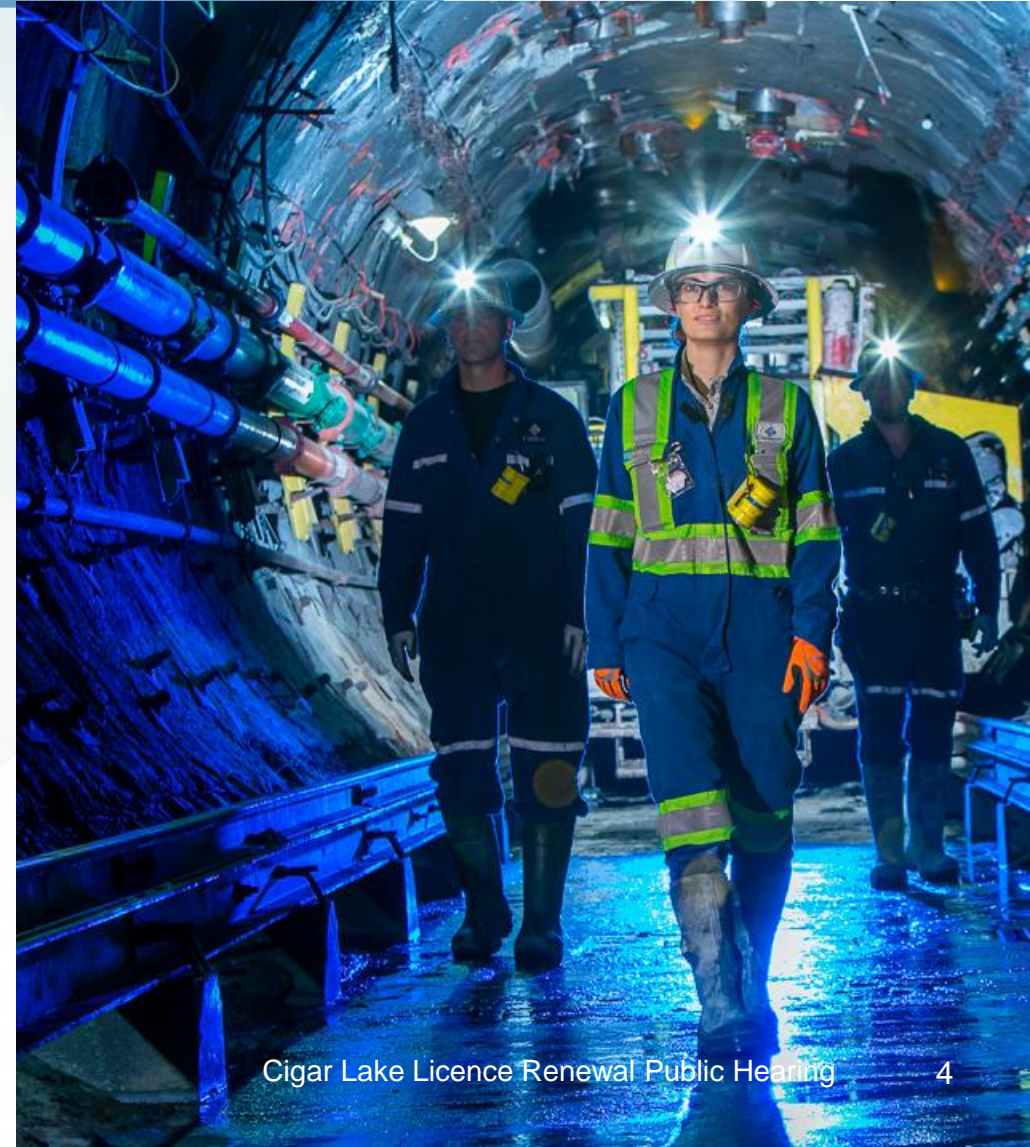
Cigar Lake Operation

- High-grade uranium mine
- Innovative Jet-Boring System (JBS) mining method



Successful Licence Term

- Final commissioning and transition to commercial production
- Stakeholder engagement
- Safety of workers and the public ensured
- Effective measures to protect the environment
- Qualified operator



Strong Management Systems

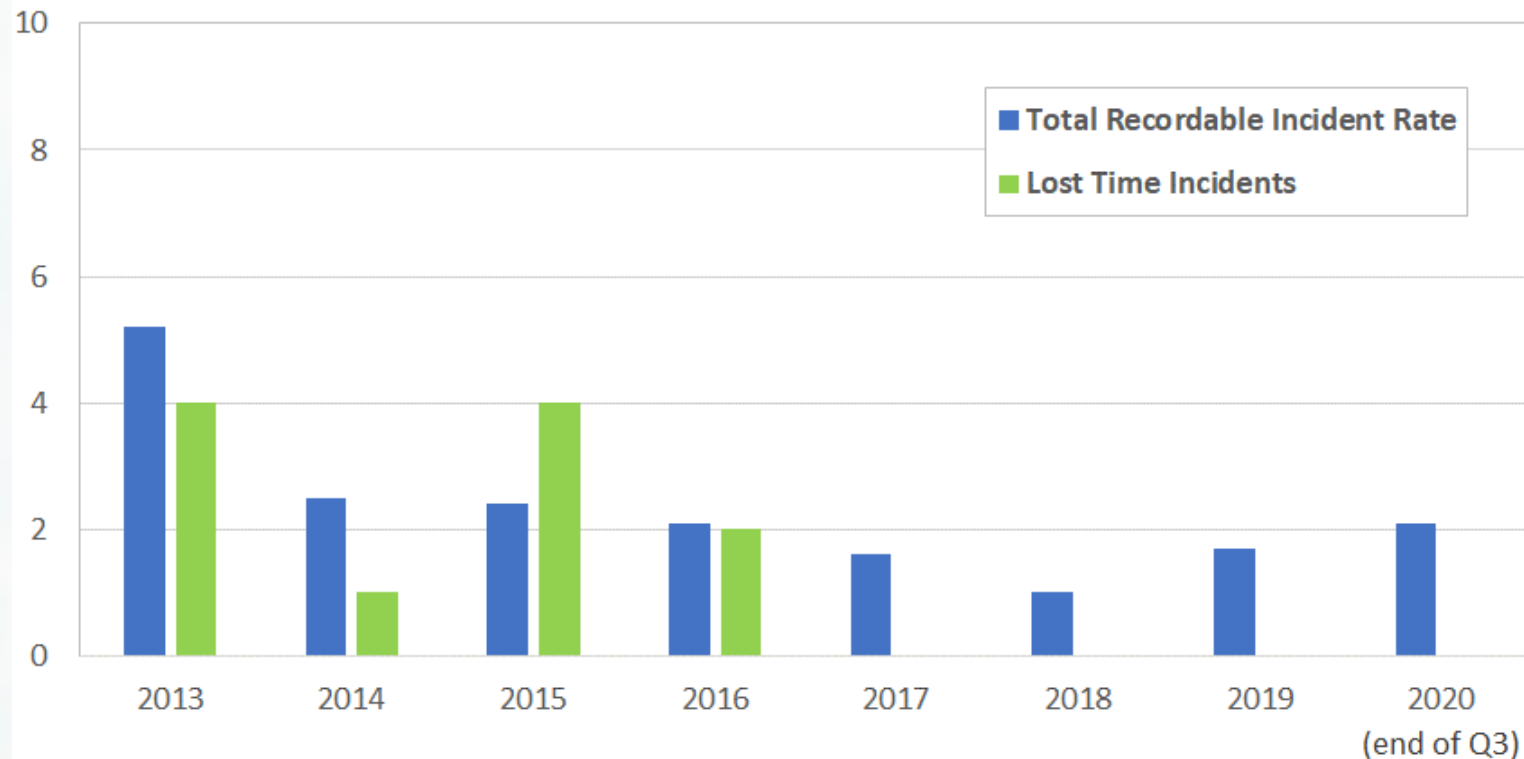


- Established programs and processes
- Mature and fully implemented systems
- Internal and external inspections and audits conducted
- Strong safety and reporting culture
- Effective corrective action process



Safety is Our Top Priority

- Strong safety culture
- John T. Ryan regional safety award 2018, 2019, and 2020



Emergency Preparedness

- Well trained response teams
 - Surface and underground
- Regular drills and exercises



COVID-19 Pandemic

- Health and safety of our workers, their families, and their communities is Cameco's top priority
- Suspension of production at Cigar Lake
 - March – September 2020
 - December 2020 – April 2021
- Protective measures implemented across Cameco
- Cameco COVID-19 Relief Fund

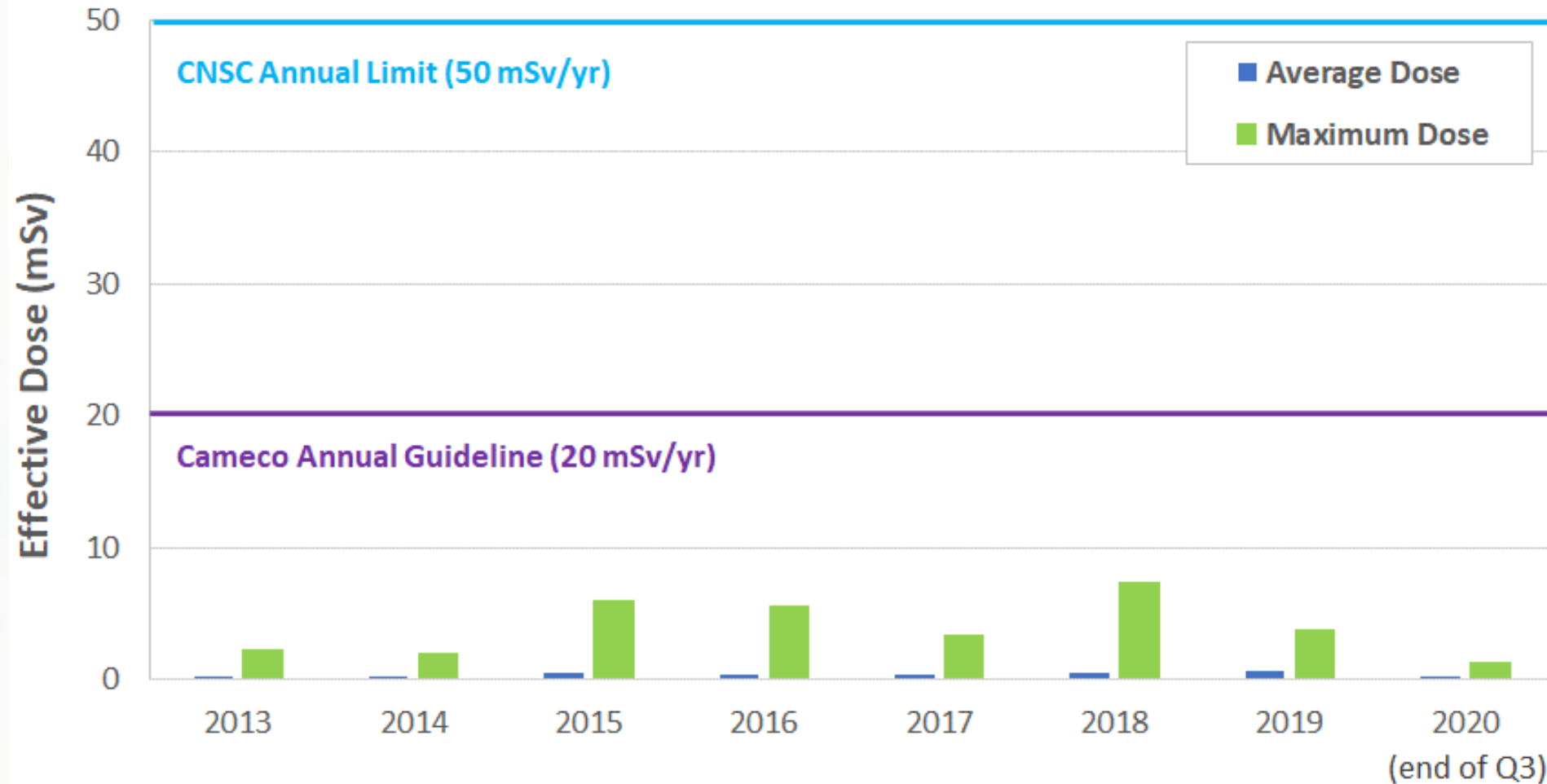


Radiation Protection

- Mature Radiation Protection Program
- Strong Code of Practice
- Effective controls
 - Mine design
 - Ventilation
 - Monitoring
- Doses maintained ALARA



Radiation Monitoring



Continual Improvement

- Identification and control of radiological hazards
- Use of experience
 - Additional long-lived radioactive dust controls
 - Revised 5-Point Safety Card
- ‘Top 25 worker’ dose reduction



Environmental Protection



- ISO 14001 Environmental Management System
- Comprehensive monitoring programs
- Treated water well below regulatory limits

Continual Improvement

- Implemented water management process improvements
- Updated human health and ecological risk assessments
- Confirmed human health and environment protected over life of operation



Focus on Training

- Ongoing systematic approach to training
- Standardization of courses
 - Radiation protection
 - Core safety standards
- COVID-19 protocol awareness
- Mental Health First Aid



Successful Implementation

- Completed final commissioning
- Implemented process and design improvements
- Improved operational efficiencies



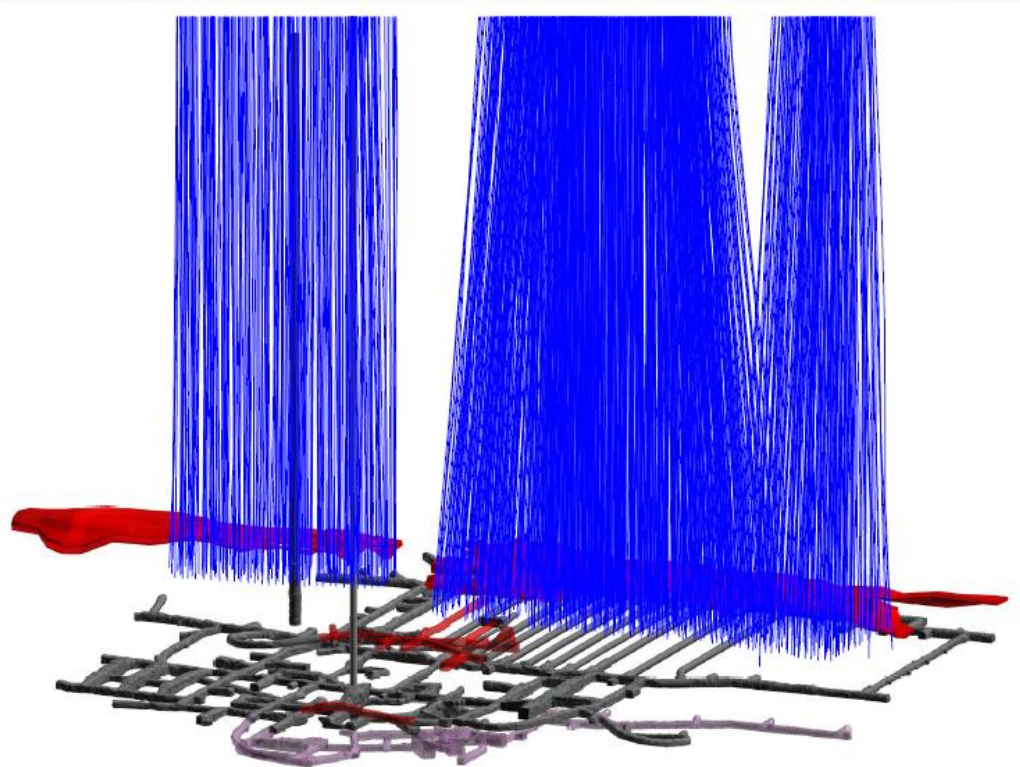
Jet-Boring System



- Commissioned during licence term
- Non-entry mining method
- Three units in operation
- Comprehensive inspection and maintenance program

Ground Freezing

- Freezing from surface
 - Inflow mitigation



Mine Development

- New Austrian Tunneling Method
 - Replaced segmental liner method
 - Yielding sprayed shotcrete liner
 - Existing and future production tunnel development



Water Management

- Mine dewatering infrastructure



- Contingency water treatment

Building on Success

- Continued safe, clean and reliable production
 - Health and safety of workers and public
 - Environmental protection
- Ongoing collaboration and engagement
- Continued evaluation of the orebody

Public Information Program

- Northern strategy
- Public disclosure protocol
- Relicensing webpage



Collaboration

- Collaboration Agreement with Athabasca Basin communities
 - Confirms enduring partnership among communities, Cameco and Orano



Developing our Workforce

- Residents of Saskatchewan's North
- Training
- Workforce diversity



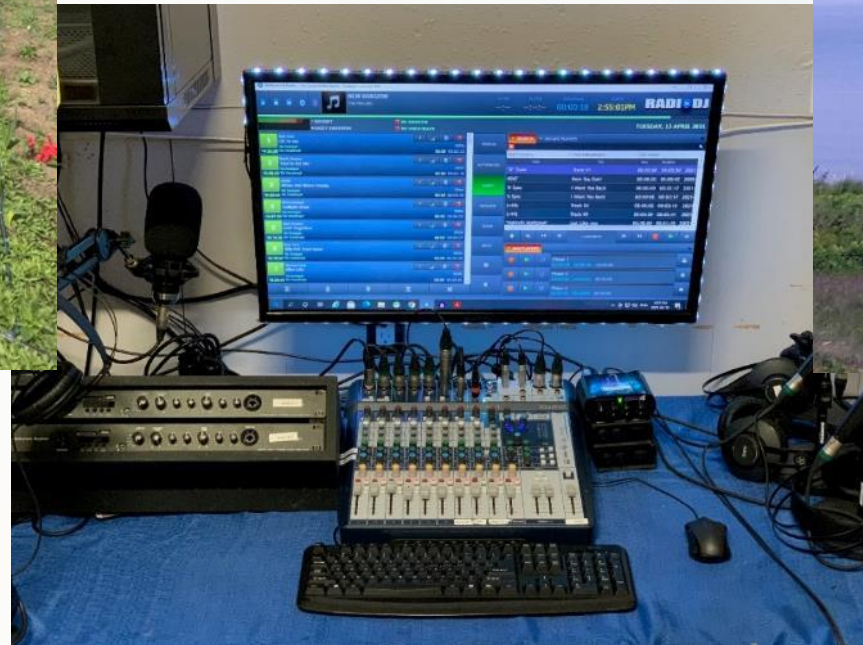
Building Business Capacity

- Committed to procuring services from northern businesses
 - \$3.9 billion since 2004



Community Investment

- Supporting community initiatives



Environmental Stewardship

- Eastern Athabasca Regional Monitoring Program (EARMP)
- Community-Based Environmental Monitoring Program (CBEMP)



Future Success

- Qualified operator
 - Strong record of achievement
 - Mature management systems



Thank You

