



Supplementary Information

Presentation from Cameco Corporation

In the Matter of the

**Cameco Corporation, McArthur River,
Key Lake and Rabbit Lake Operations**

Applications for the renewal of uranium
mine/mill licences for McArthur River,
Key Lake and Rabbit Lake Operations

Commission Public Hearings

June 7-8, 2023

Renseignements supplémentaires

Présentation de Cameco Corporation

À l'égard de

**Cameco Corporation, établissements de
McArthur River, Key Lake et Rabbit Lake**

Demandes visant le renouvellement des permis
d'exploitation de mines et d'usines de
concentration d'uranium pour les établissements
de McArthur River, Key Lake et Rabbit Lake

Audiences publiques de la Commission

7-8 juin 2023



Energizing a clean-air world

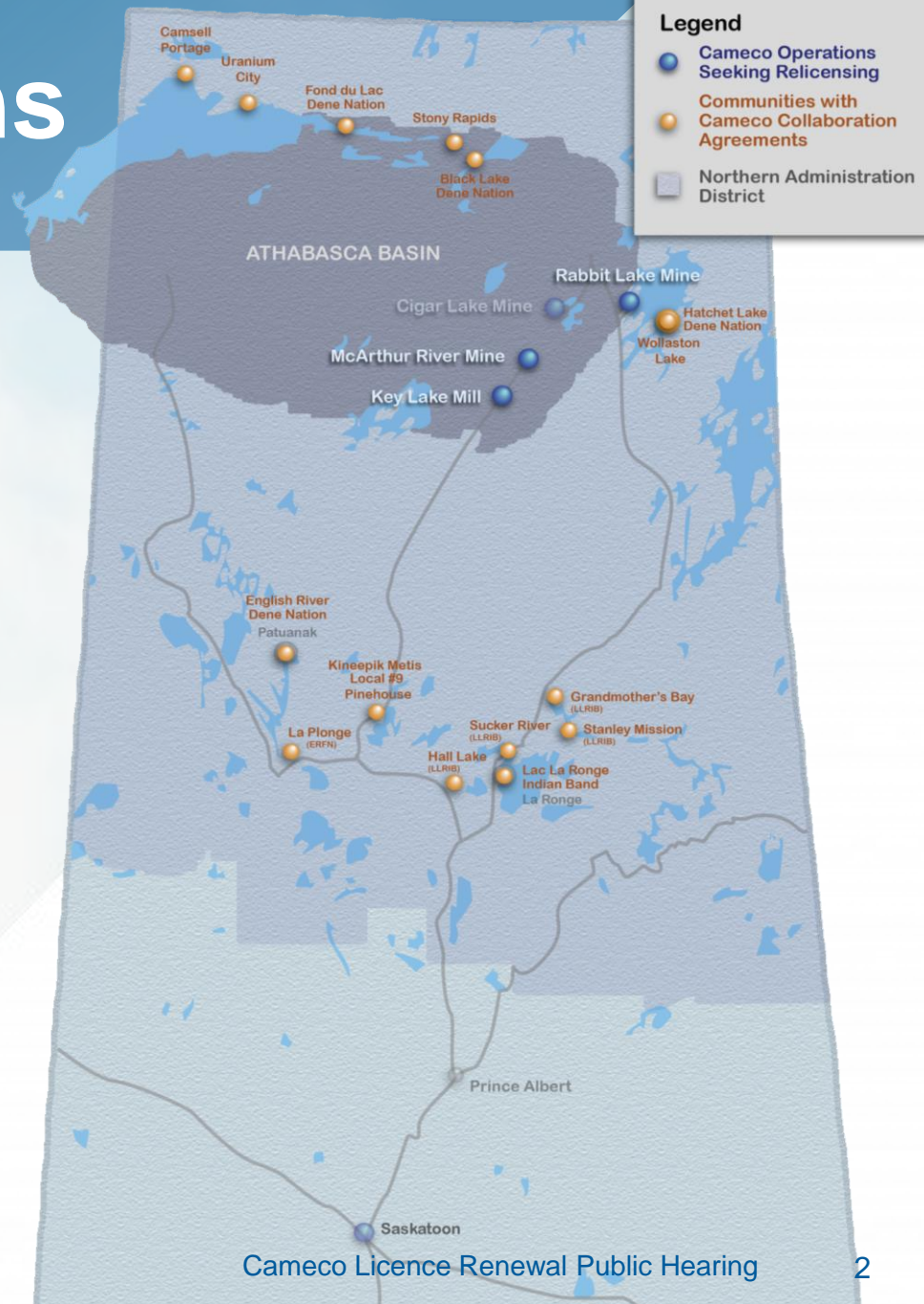
Cameco Corporation Licence Renewal Public Hearing

June 7 and 8, 2023



Our Saskatchewan Operations

- Eastern Athabasca Basin of Northern Administrative District
- One of the largest employers of Indigenous people
- Satellite offices in communities near our operations



Vision & Values

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



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Experienced Operator

- Cameco formed 1988
 - Rabbit Lake: 1975
 - Key Lake: 1983
 - McArthur River: 1999



Business Plan

- Producing from our tier-one uranium assets and backed by idle tier-two assets
- Supporting Canada's Clean Energy Initiatives and Critical Minerals Strategy



Mature Management Systems

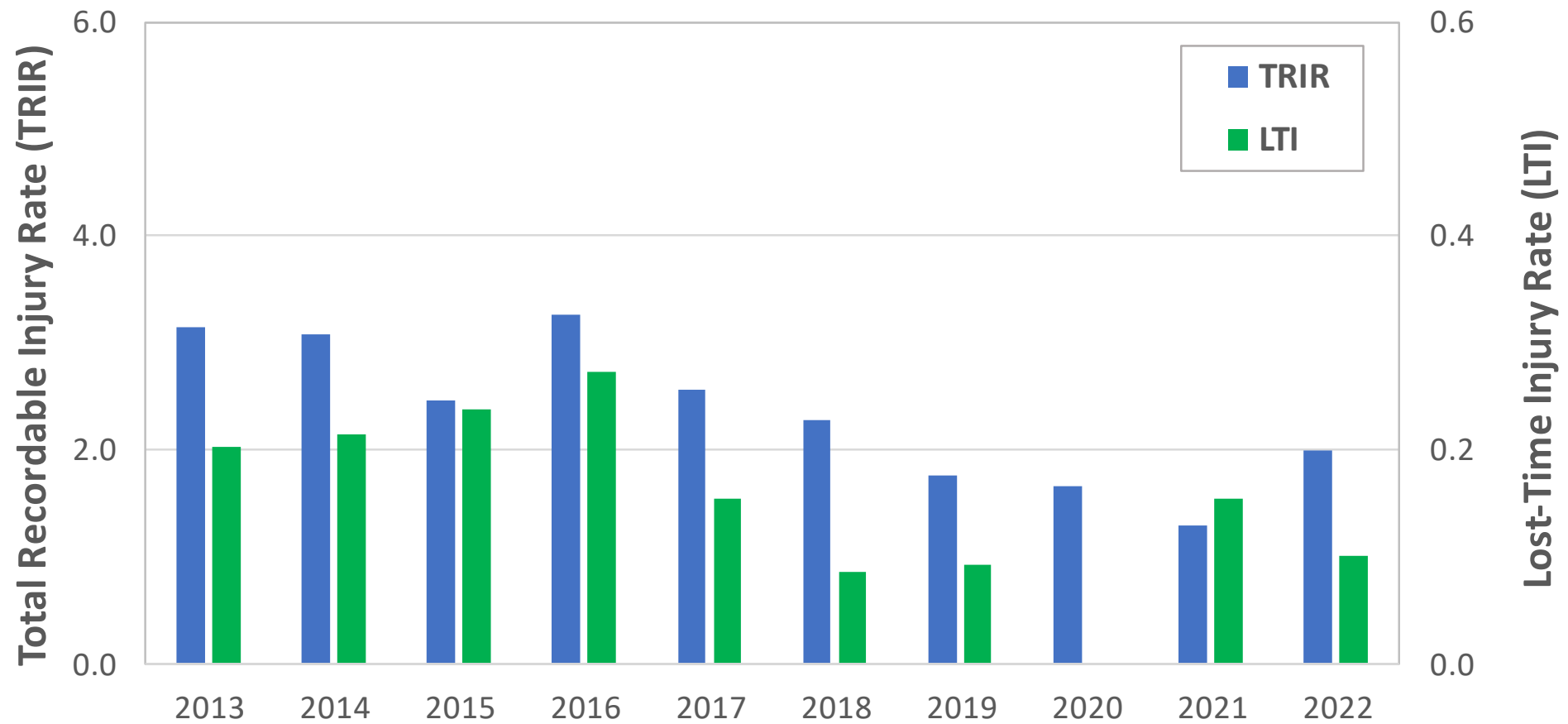
- Established programs and processes in safety and control areas
- Strong safety and reporting culture
- Effective corrective action process
- Regular inspections, audits and assessments



Safety is a Core Value



- Over 68,000,000 person-hours worked



Maintaining a Strong Safety Culture



- Cameco Mary-Jean Mitchell Green award
- John T. Ryan national safety trophy
 - McArthur River: 2014 and 2015
- Saskatchewan Mining Association recognition
 - McArthur River: 2014, 2015, 2016, 2020 & 2021
 - Rabbit Lake: 2013, 2021 & 2022
 - Key Lake: 2020

COVID-19 Pandemic

- Health and safety of our workers, their families and their communities
- Protective measures implemented
- Cameco COVID-19 Relief Fund

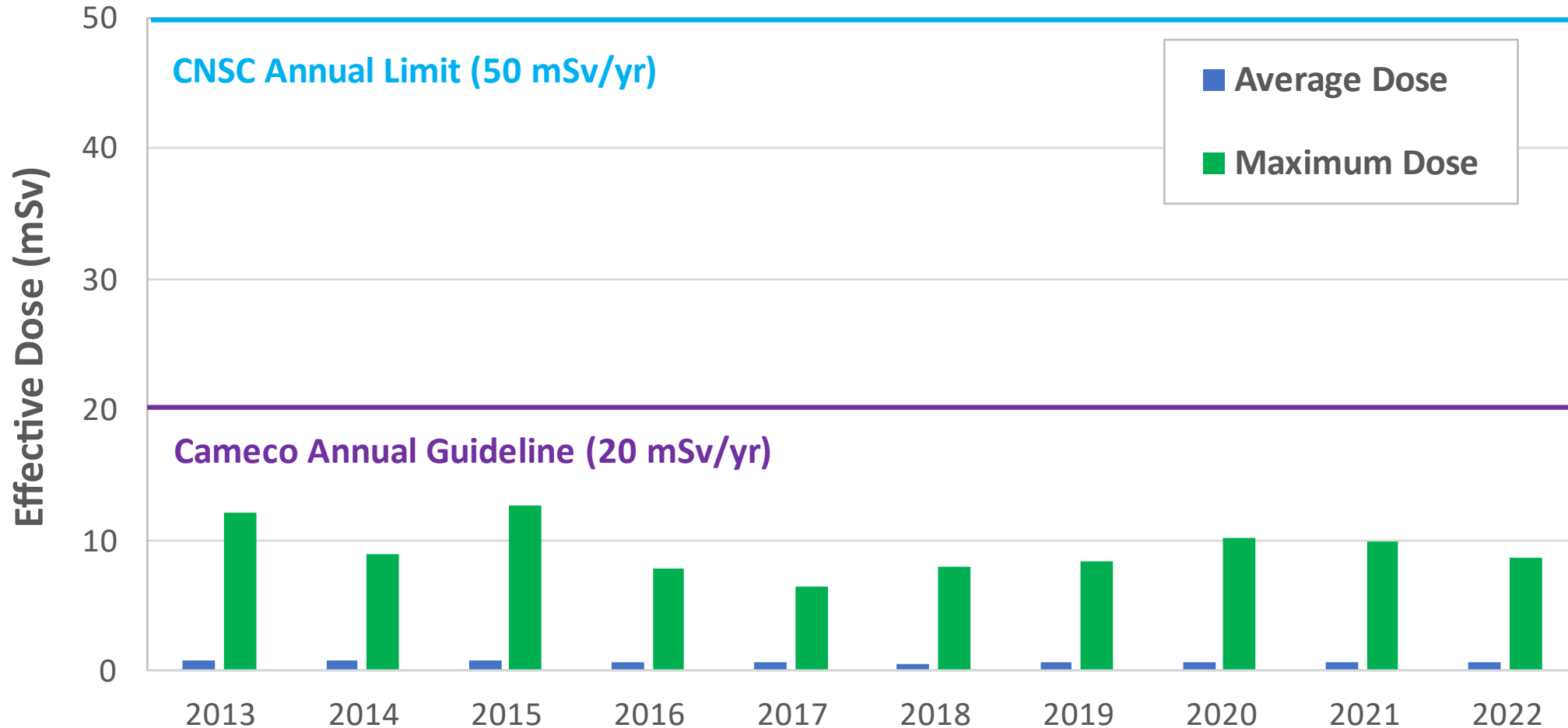


Radiation Protection

- Mature Radiation Protection Programs with strong Codes of Practice
- Effective controls in place
 - Mine design
 - Shielding
 - Mine/mill ventilation
 - Monitoring
- Doses maintained ALARA



Effective Radiation Monitoring



Environmental Protection



- ISO 14001 Environmental Management System
- Comprehensive monitoring programs

Sustaining Environmental Performance

- Continual monitoring and evaluation in accordance with Canadian Standards Association standards
- Updated Environmental Risk Assessments
- Regular Environmental Performance Reports



Focus on Training

- Ongoing systematic approach to training
- Standardization of courses
 - Radiation protection
 - Core safety standards
- Additions to core curriculum



Continuing Engagement

- Cameco Northern Strategy
 - Community engagement
 - Workforce development
 - Business development
 - Community investment
 - Environmental stewardship



Public Information Programs

- Public Disclosure Protocol
- Principles of engagement
- Satellite offices



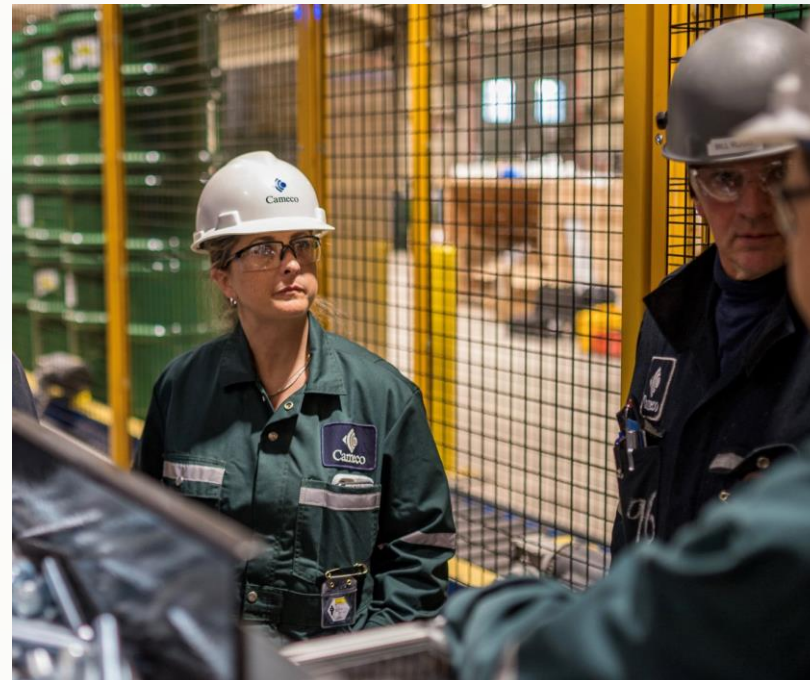
Collaboration

- Collaboration Agreements confirm enduring partnerships




Developing our Workforce

- Workforce diversity
 - Residents of Saskatchewan's North
 - Women in leadership




Explore training opportunities with Cameco



Cameco is offering FREE skill development training for Residents of Saskatchewan's North living in, and members of, English River First Nation, Pinehouse, the Lac La Ronge Indian Band, and the Athabasca Basin. Virtual courses include digital readiness, industrial and safety training, and an introduction to Cameco.

Participants who successfully complete most of the courses are eligible to apply for a PAID three-month work experience position at one of Cameco's northern operations.

Female participation is strongly encouraged.



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Don't wait—sign up today by contacting your community liaison:
Robin Cook, LAC LA RONGE INDIAN BAND
306-425-2183, Robin.Cook@lrib.ca

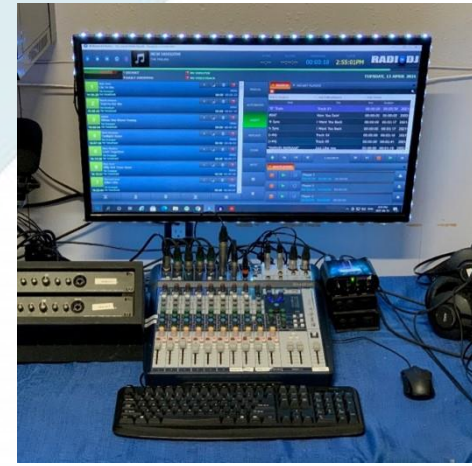
Building Business Capacity

- Committed to procuring services from northern businesses
 - 80% procurement from northern businesses in 2022



Investing in the North

- Supporting community initiatives
- Six Rivers Trust Fund
 - Legacy fund for northern Saskatchewan, for northerners by northerners



Environmental Stewardship

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



Licence Renewal Engagement

- Regular subcommittee meetings
- Site visits
- Community tours



Cameco Licence Renewal Public Hearing

20-year Licence Request

What it does

Allows continued operation within the current licensing basis

Facilitates longer term planning and budgeting decisions in-line with industry's long commercial timelines

Benefits communities through our ability to sustain commitments into the future

What it does not do

Does not affect regulatory oversight including inspections and audits

Does not affect controls to demonstrate safety and environmental performance

Does not diminish or reduce our engagement with Indigenous communities and other stakeholders

Continued Engagement in a 20-year Licence Term



Indigenous communities and other stakeholders can participate in the annual Regulatory Oversight Report



Cameco has Public Information Programs and Public Disclosure Protocol



Cameco is committed to meaningful engagement with Indigenous communities and other stakeholders



Cameco welcomes ongoing dialogue about how workers are kept safe and the environment is protected at our operations



Concerns may be raised to Cameco or CNSC staff by Indigenous communities and other stakeholders



20 Years



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Key Lake and McArthur River Licence Renewal Public Hearing

June 7 and 8, 2023



Key Lake Operation

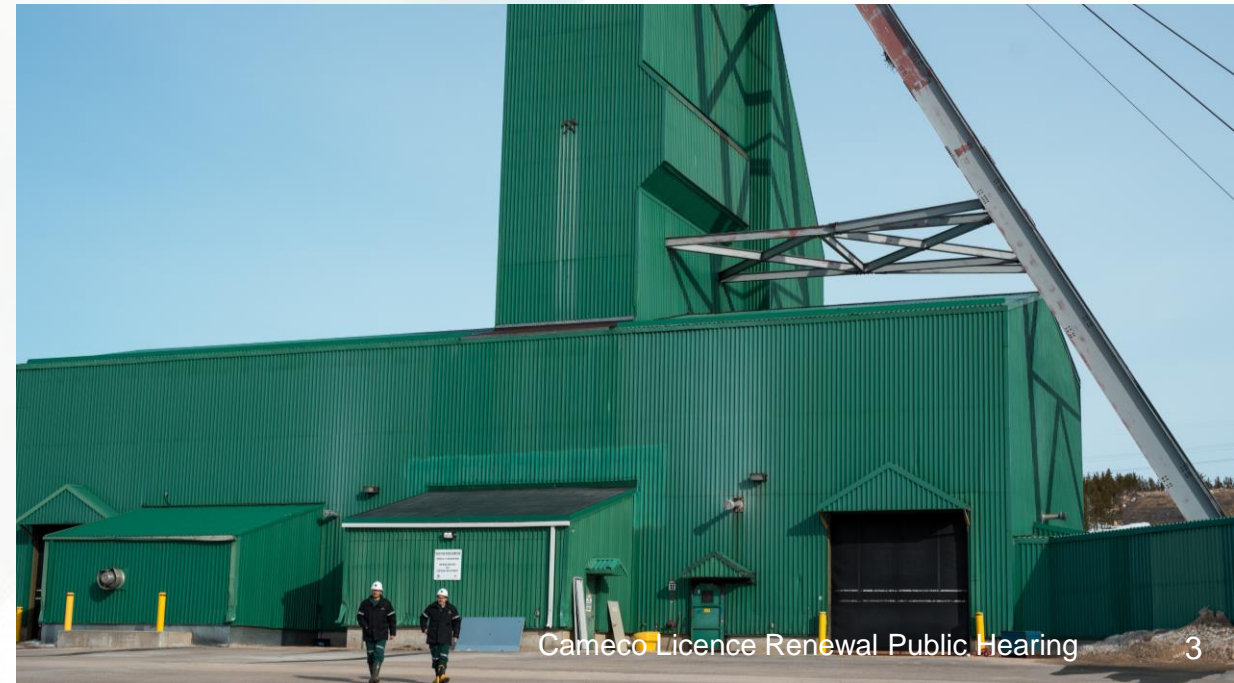
- Open-pit mine: 1983 to 1997
- Milling of McArthur River ore: 2000 to present



McArthur River Operation



- High-grade uranium mine
- Ore material transported to Key Lake



Strong Operational Performance



- Mature management systems
- Maintaining safety of workers, the public and protection of the environment



Care and Maintenance

- Systematic shutdown and preservation of assets
- Water treatment
- Continued regulatory compliance and stakeholder engagement



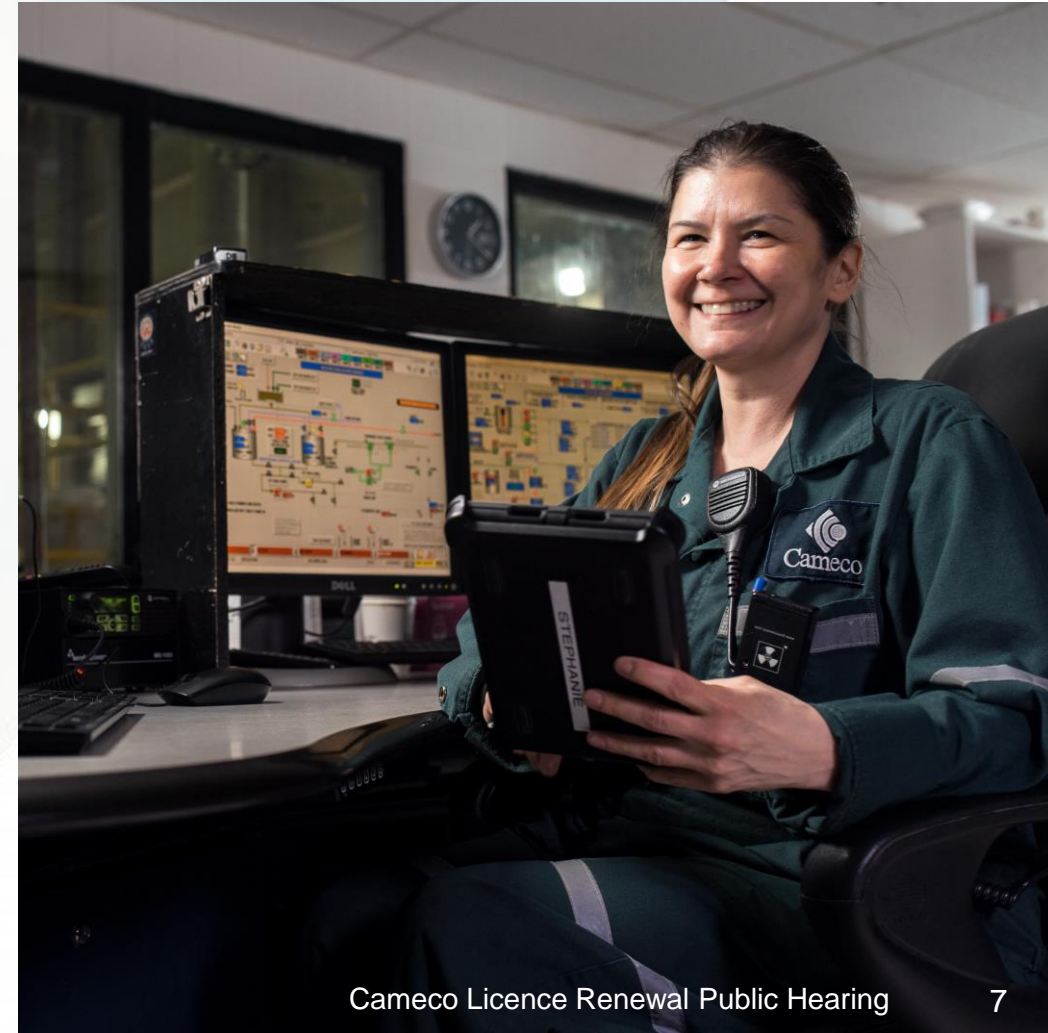
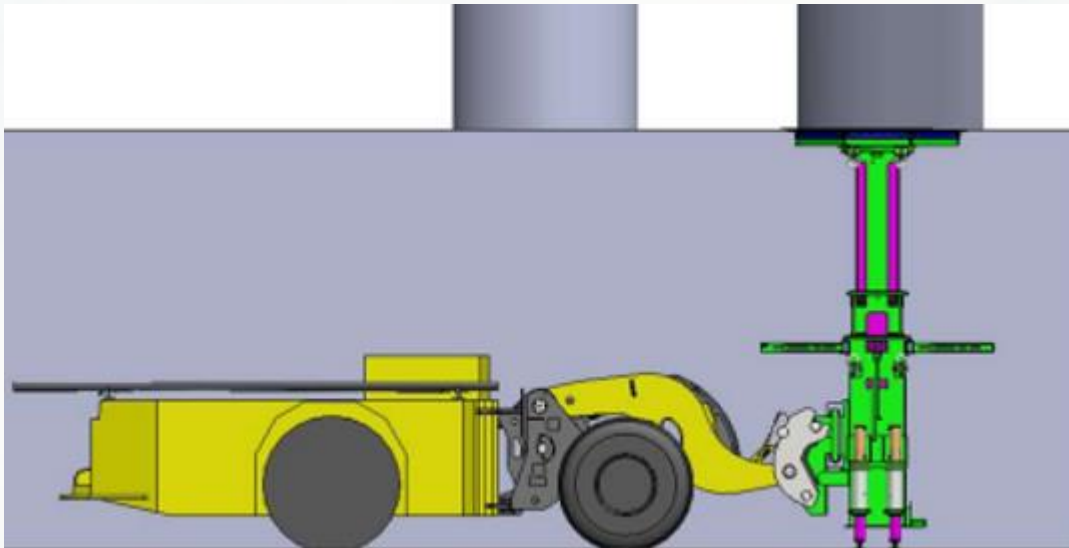
Continual Improvement

- Safe and efficient operations
 - Packaging area automation
 - Upgrades to concrete batch plant



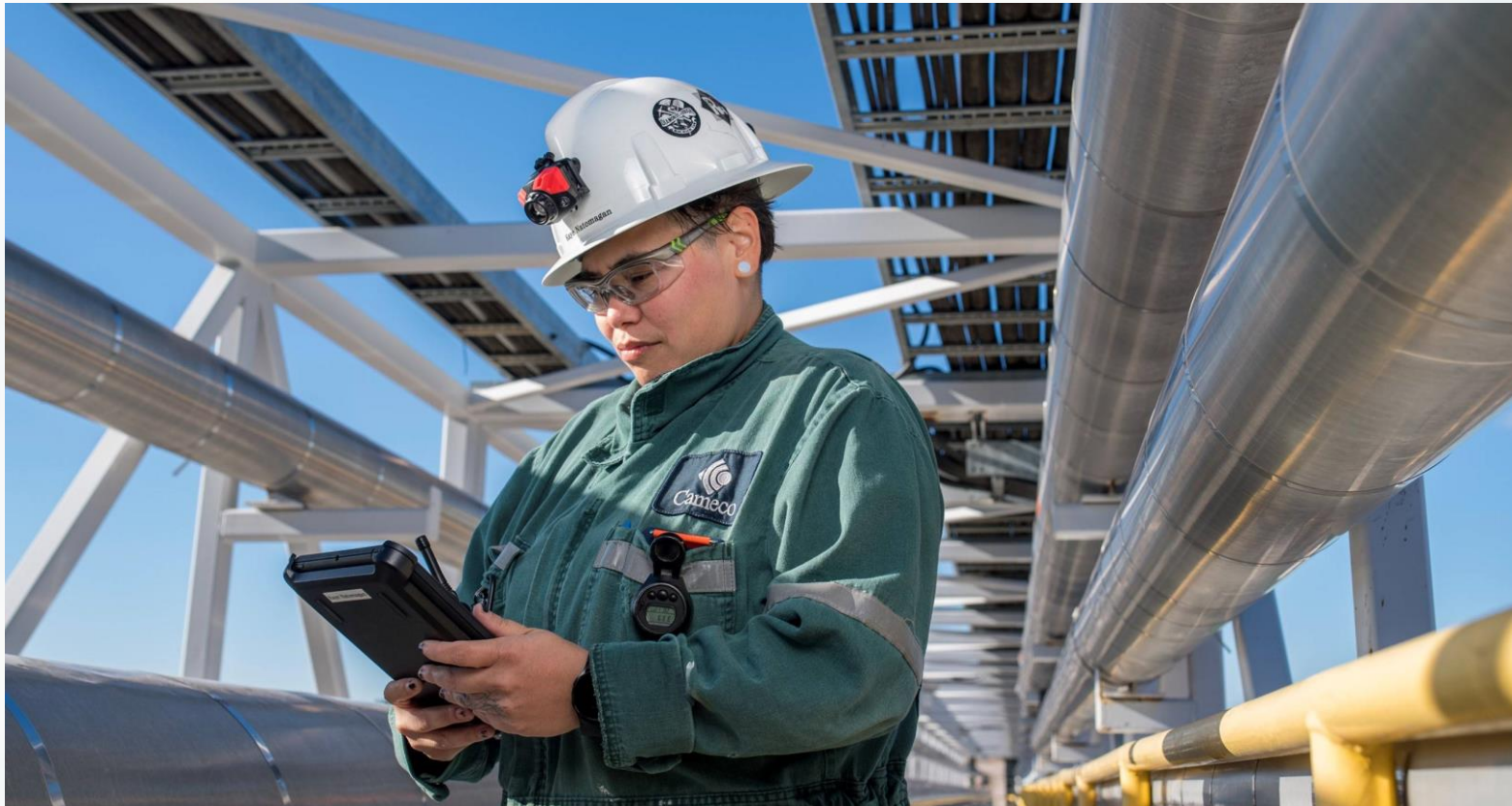
Continual Improvement

- Digitization and automation
- Modern integrated tools and equipment
- Reductions to greenhouse gas emissions



Resumption of Production

- Formal commissioning process developed and implemented



Resumption of Production

- Approximately 500 workers hired/rehired and trained

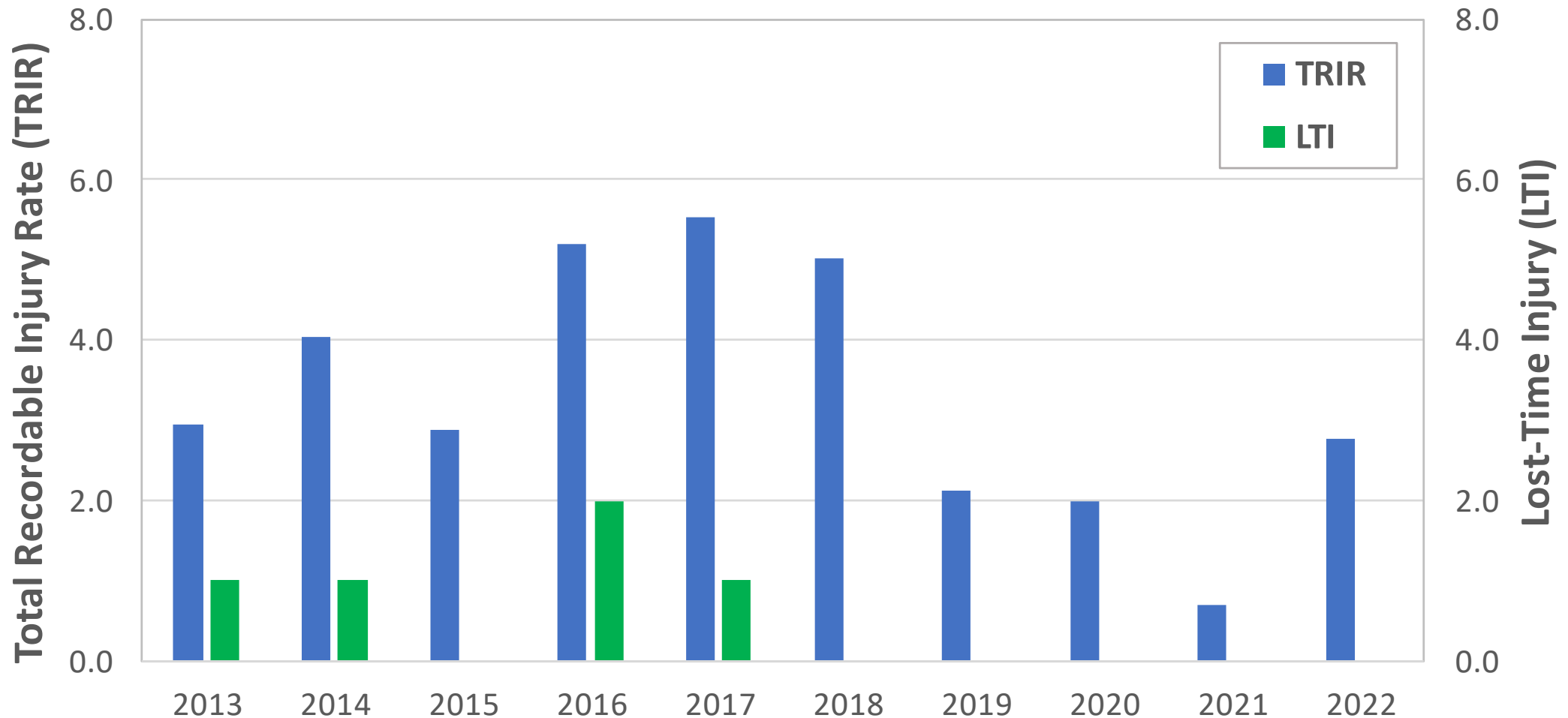


Emergency Preparedness

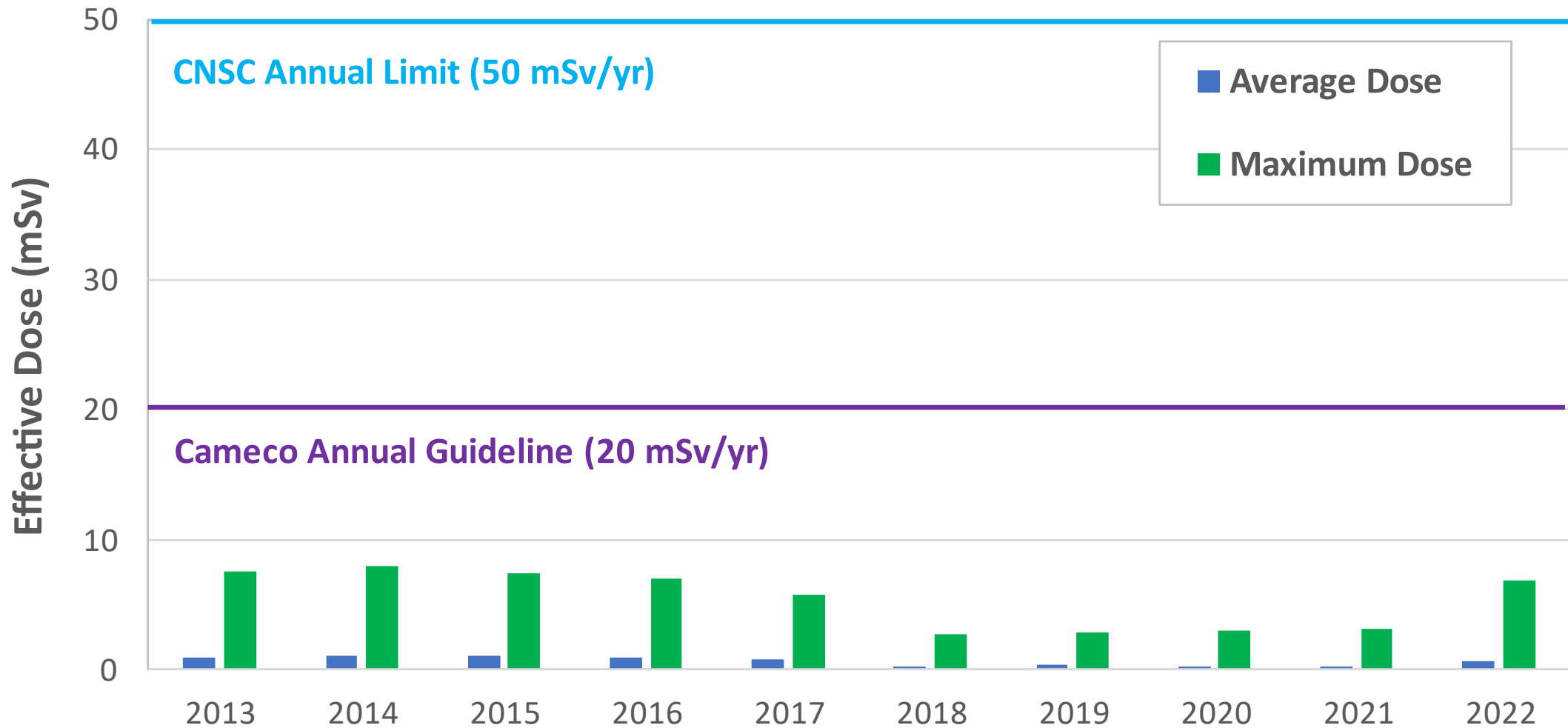
- Well trained response teams
- Regular drills and exercises performed



Safety Performance: McArthur River

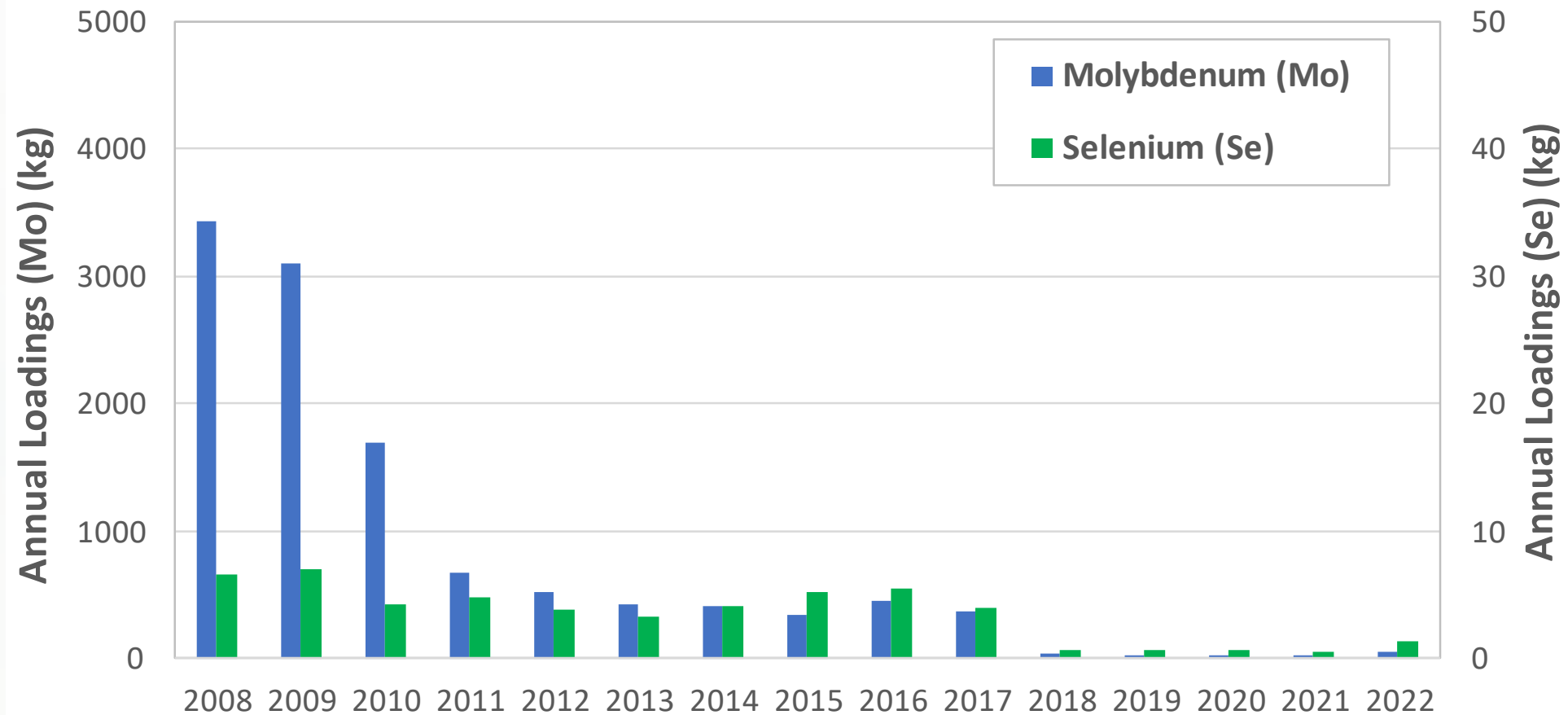


Radiation Monitoring: McArthur River

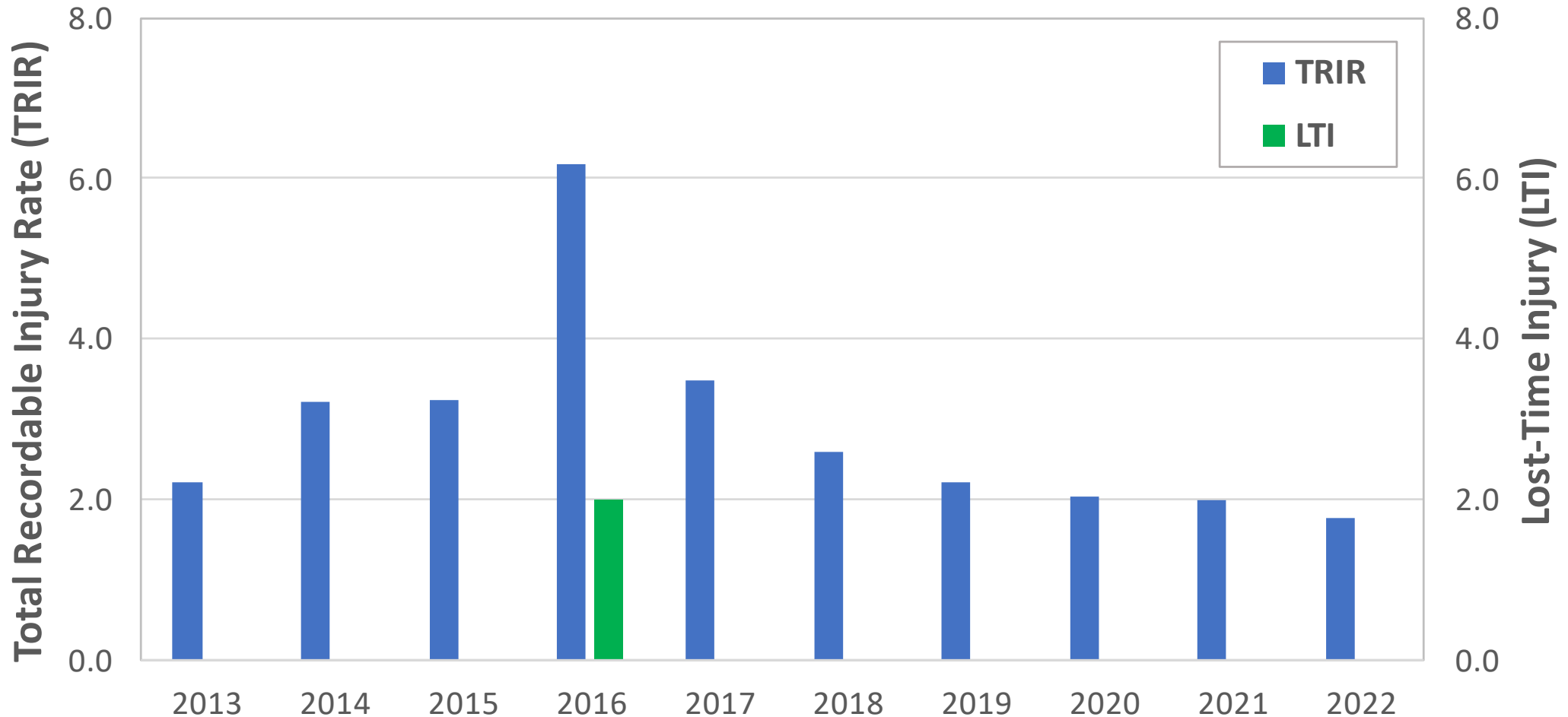


Treated Water: McArthur River

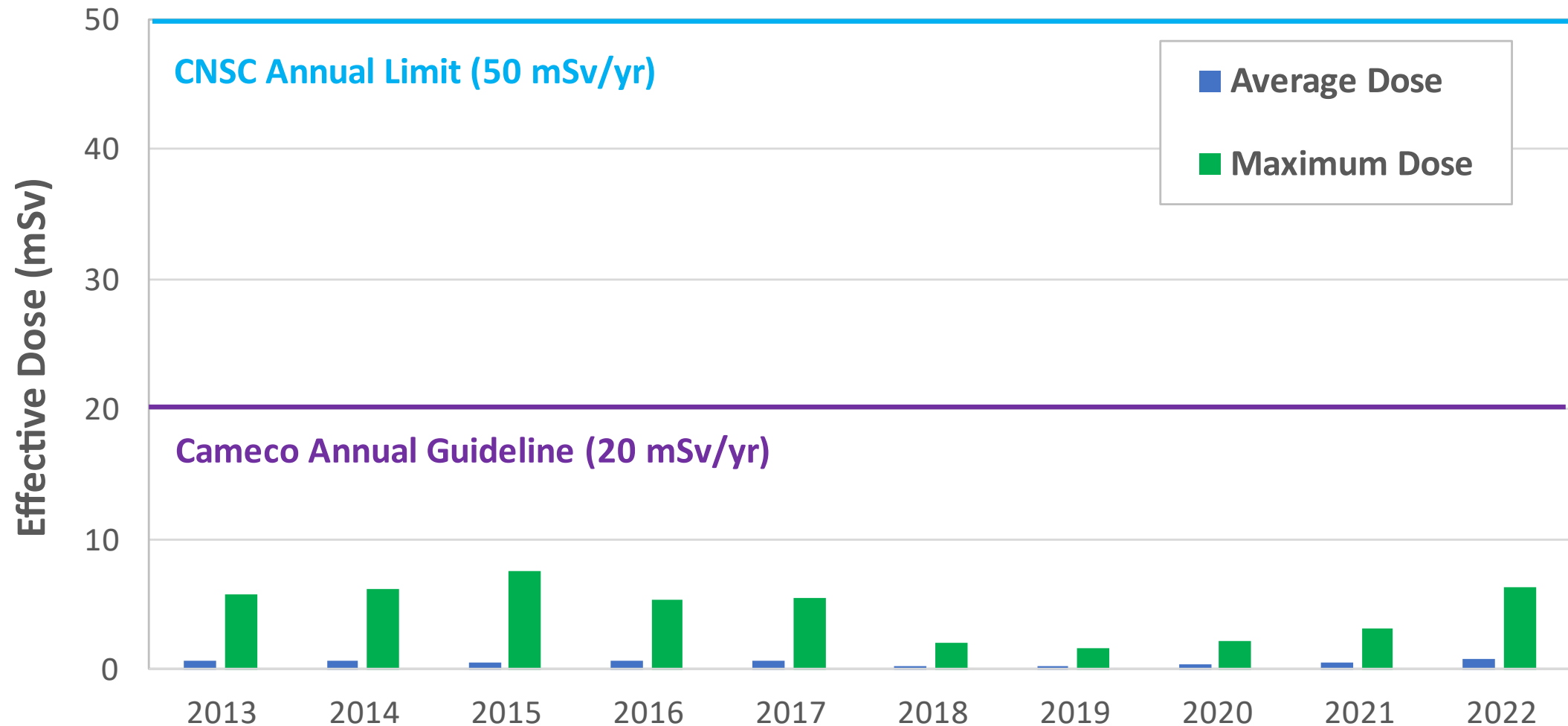
- Water Treatment Plant



Safety Performance: Key Lake

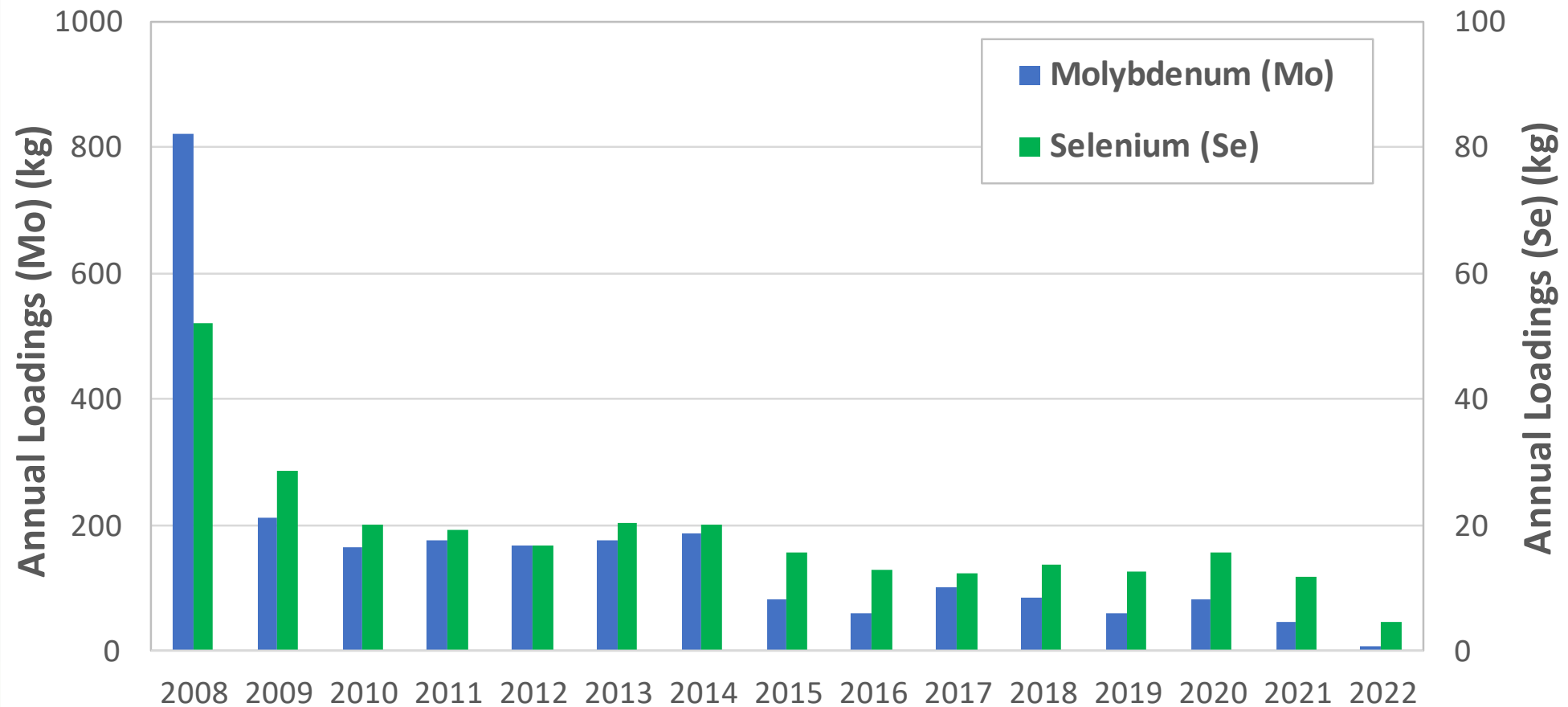


Radiation Monitoring: Key Lake



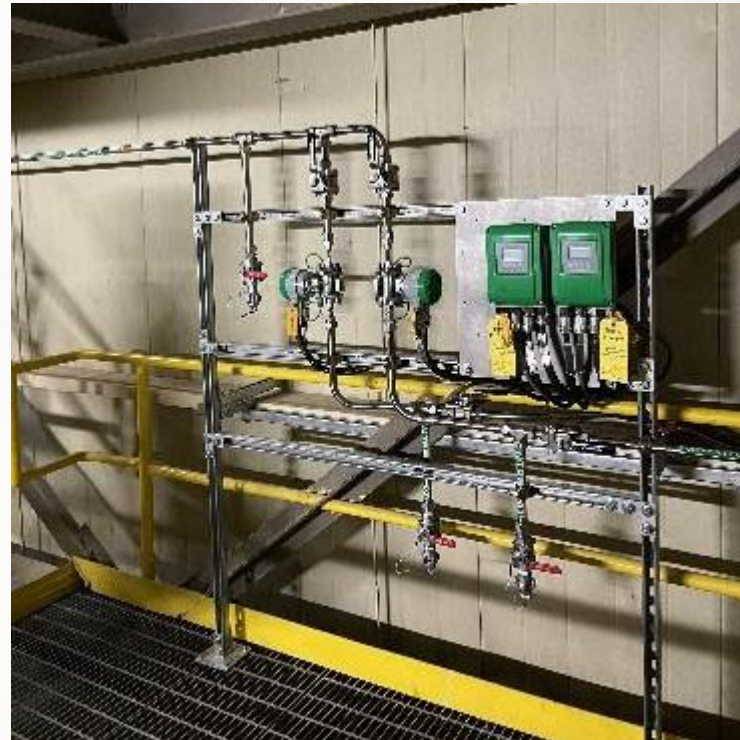
Treated Water: Key Lake

- Mill Bulk Neutralization Water Treatment Circuit



Key Lake Groundwater

- New recovery wells installed and commissioned



Continued Engagement

- Public Information Programs
 - In-person meetings
 - Cameco websites



Improving Workforce Diversity



- Ongoing opportunities for Residents of Saskatchewan's North
 - 52% of our total workforce
- Commitment to women in leadership roles





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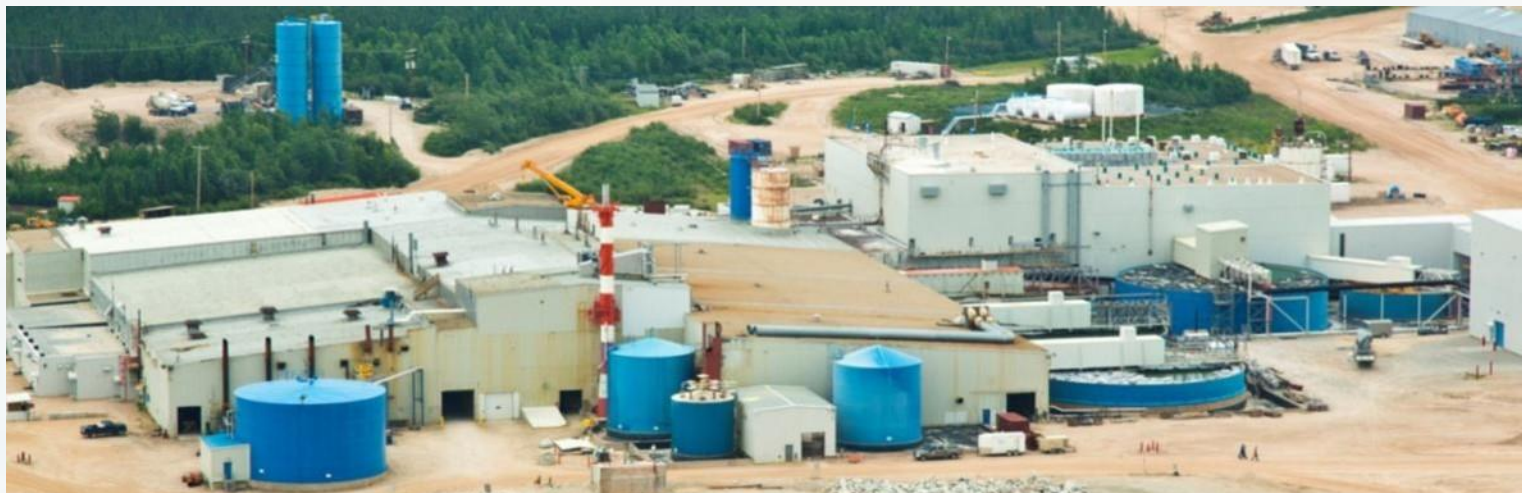
Rabbit Lake Licence Renewal Public Hearing

June 7 and 8, 2023



Experienced Operator

- Mill operational since 1975
 - Open pit mining: 1974 to 1997
 - Eagle Point underground mine: 1993
 - Care and maintenance: 2016 to present



Strong Operating Performance



- Safe and protective of the environment
- Continual improvement



Safe Care and Maintenance

- Collecting and treating water



Safe Care and Maintenance

- Ensuring commitments to our stakeholders are met
 - Regulatory compliance
 - Relationships with communities



Safe Care and Maintenance

- Continued maintenance of critical infrastructure



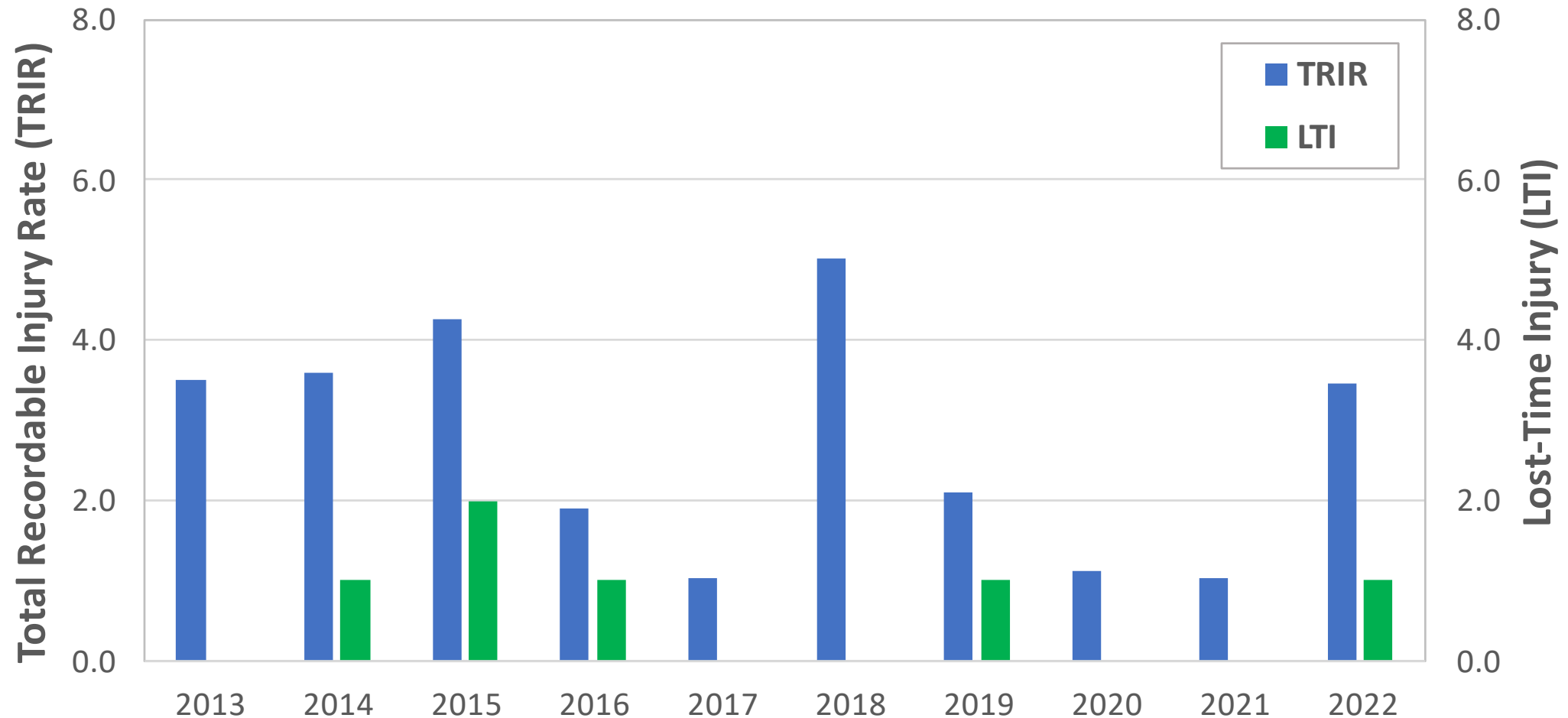
Progressive Reclamation

- Above-Ground Tailings Management Facility south catchment
- B-Zone Waste Rock Pile cover



Maintaining Safety Performance Cameco

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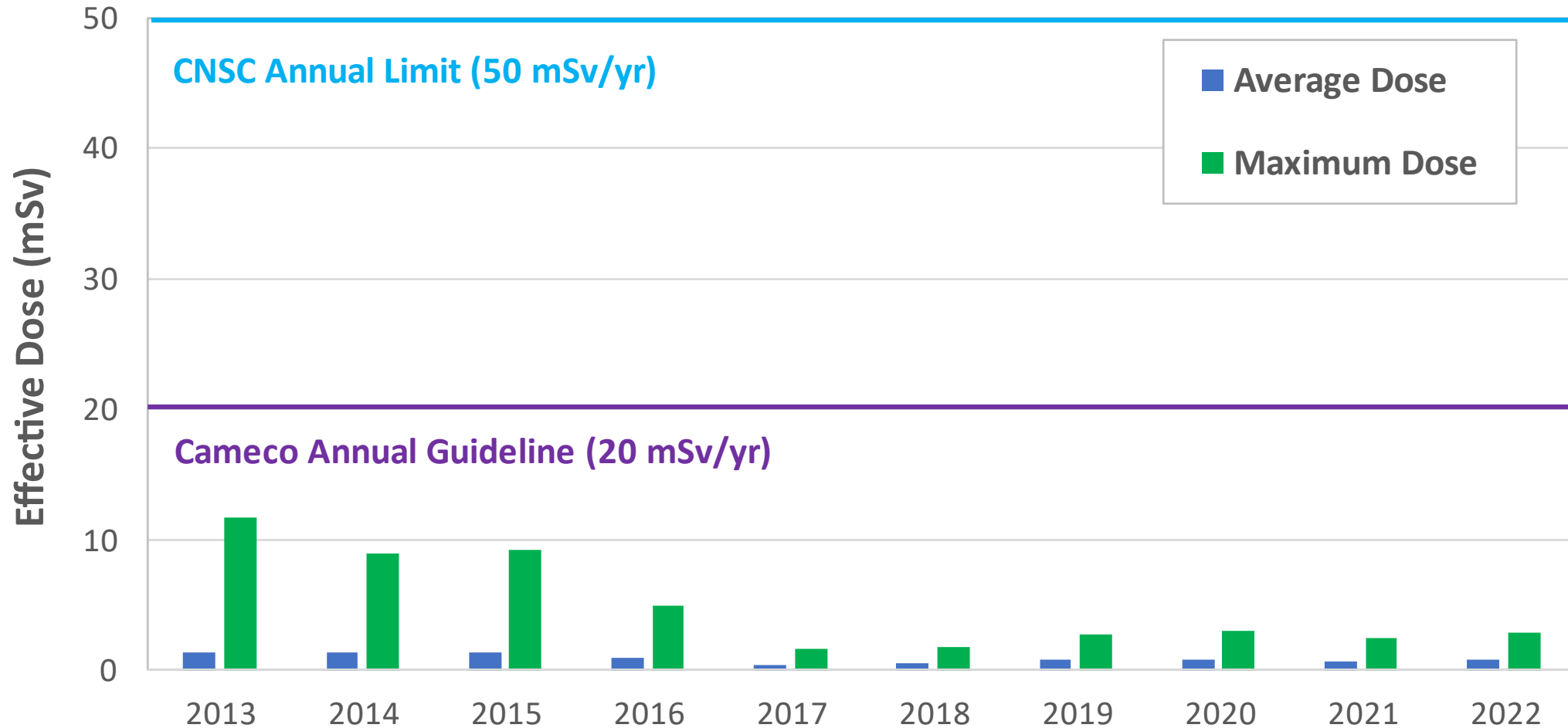


Emergency Preparedness

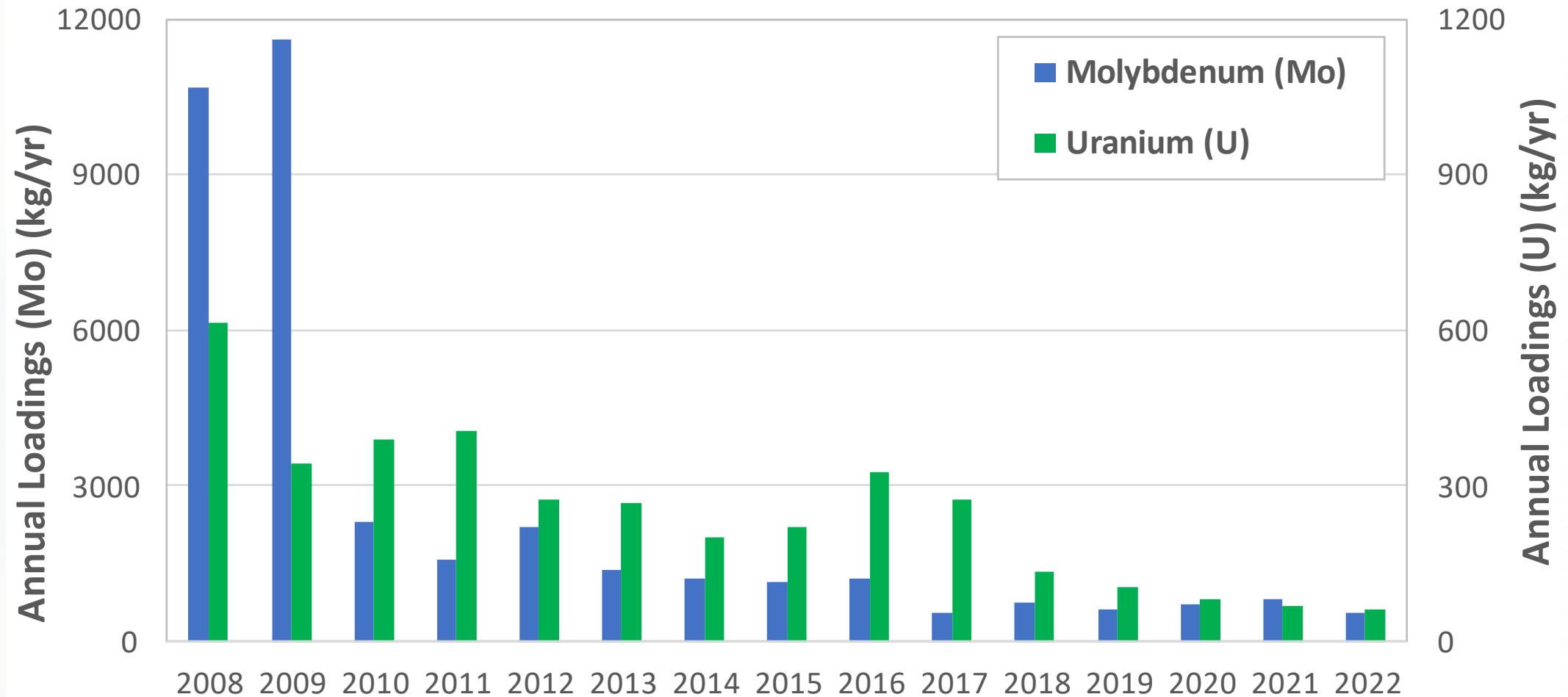
- Regular drills and exercises
- 2021 wildfire support



Radiation Monitoring



Treated Water Monitoring



Continued Engagement

- Public Information Program
 - In-person and virtual meetings
 - Site tours
 - Community visits



Focus on Workforce Diversity

- 54% Residents of Saskatchewan's North
- 30% from Athabasca Basin communities
- 13% female workforce



Future Plans

- Continued safe care and maintenance



Qualified Operator

- Nearly 35 years of experience
 - Strong safety and environmental performance
 - Mature management systems





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Thank You

