



Regulating Rock-Hosted Minerals

July 2023

Land Acknowledgement



Plains Cree Way of Life, Interpretation and Painting by Nona Foster



TYSON FLYNN

VICE PRESIDENT,
REGULATORY ENHANCEMENT

Agenda



Opening remarks



**Mineral resource
development**



**Regulatory
development
process**



**Alberta's mineral
potential**



**Rock-hosted
minerals**



Next steps



Q&A session



JEFF MOORE

DIRECTOR, MINERALS STRATEGY &
IMPLEMENTATION (ACTING)



KELSEY MACCORMACK

DIRECTOR,
GEOLOGY & RESOURCES



JAN REMPEL

SENIOR ADVISOR, OPERATIONAL
LIAISON & INTEGRATION



SANDRA BLAIS

SENIOR ADVISOR,
REGULATORY

Tips for Participation



Asking questions

Read out questions sent in advance

Use the Q&A icon to submit your question in writing

Email your question to
minerals@aer.ca



Using teams

Having technical issues?

Contact 1-855-297-8311 or email
minerals@aer.ca

Background: Expanding our Mandate

What we regulate



geothermal



brine-hosted
minerals



oil



oil sands



natural gas



coal

Expanded mandate



rock-hosted minerals

What we don't



gasoline



pipelines that
cross borders



electricity



regulated
natural gas rate

Why develop minerals in Alberta?

Renewing Alberta's mineral future

A strategy to re-energize
Alberta's minerals sector



The Government of Alberta wants to:

- Become a preferred producer and supplier of metallic and industrial minerals and mineral products.
- Address the shift towards a lower-carbon economy.
- Strengthen and diversify the economy.
- Create jobs.
- Attract investment.

Timelines: 2020-2023 milestones

Government of Alberta

Released the Minerals Strategy and Action Plan

Drafted *Bill 82: Mineral Resource Development Act* (MRDA)

Proclaimed part of the MRDA (brine-hosted minerals)

Alberta Geological Survey (AGS)

Executed the minerals mapping program to better understand Alberta's mineral potential.

Released the first data sets.

Alberta Energy Regulator (AER)

Drafted the regulatory framework to support the MRDA (brine-hosted minerals)

Released the regulatory framework and began accepting applications for brine-hosted minerals.

Timelines: Engagement



GoA engages with the public on the draft Act



AER engages with the public to inform the draft directive(s)



AER posts the draft directive(s) for additional public comment



AER considers public input in the final version



AER posts the final directive(s)

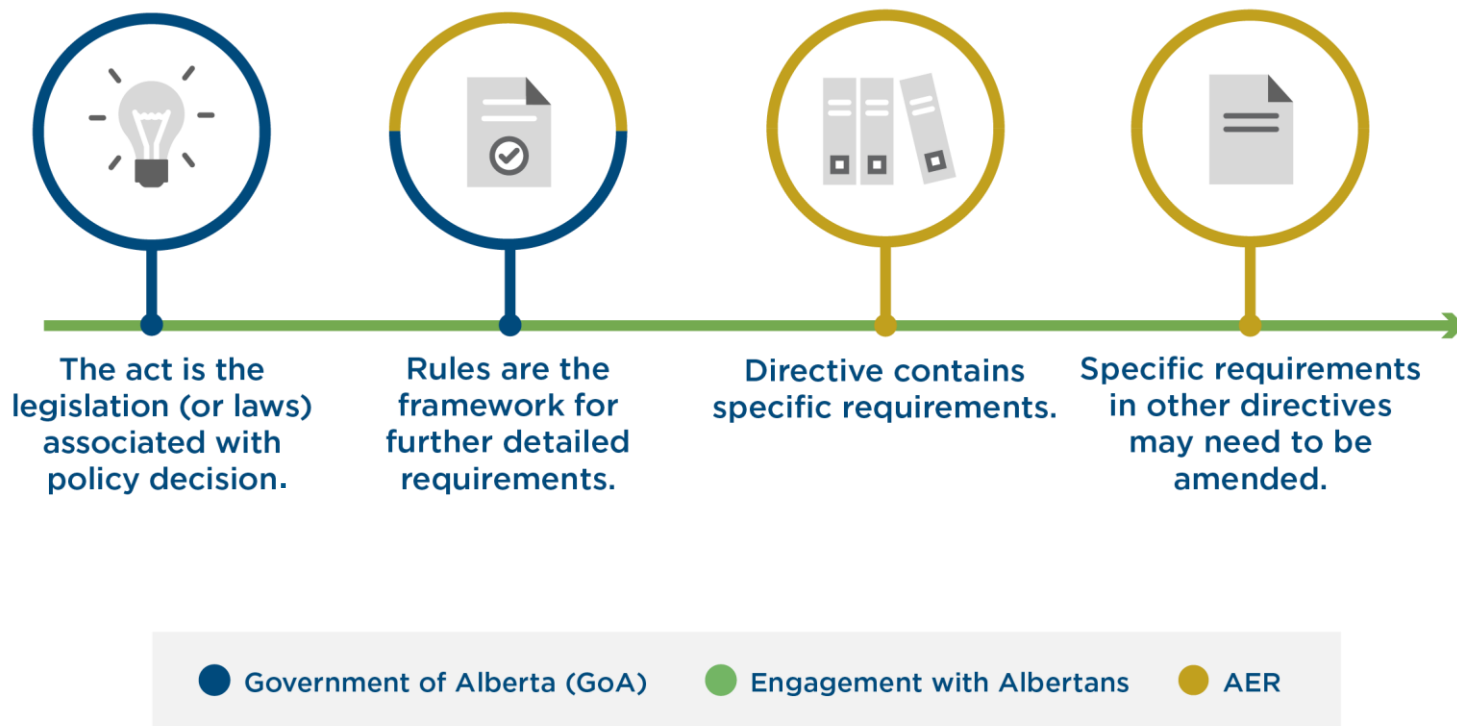


Future public input based on changes or specific applications

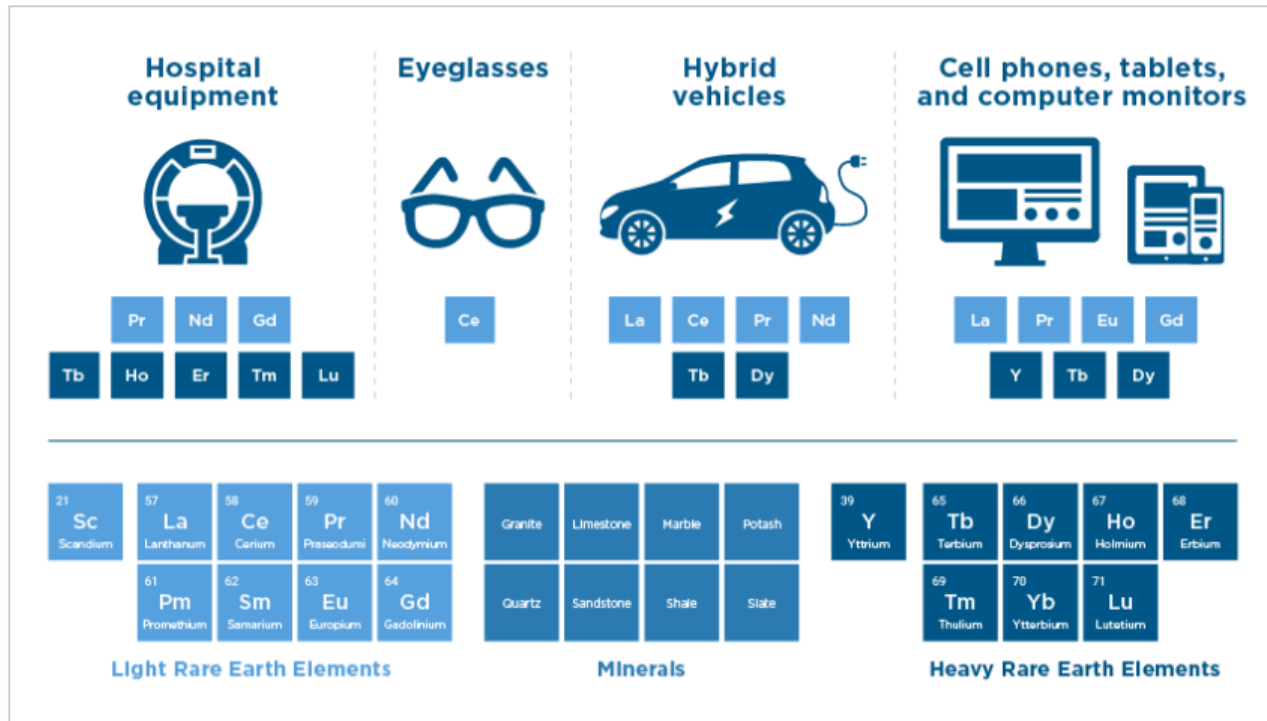
Role of the regulator



Authority



Emerging Resources: Minerals

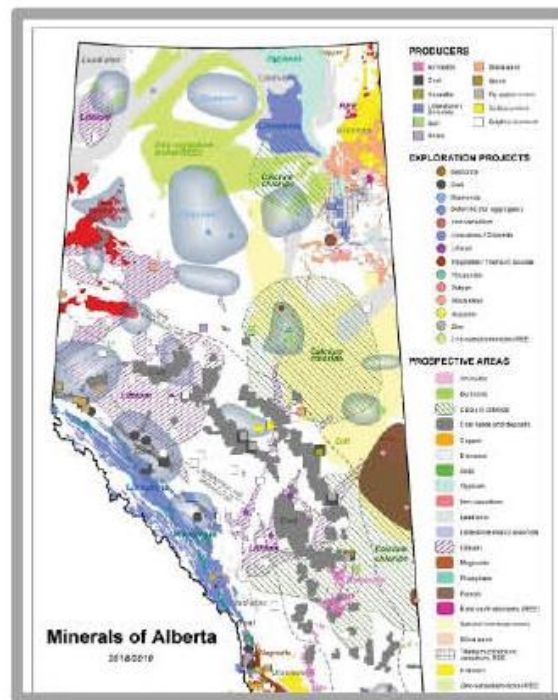


The following were **excluded** as they are regulated through existing legislation: petroleum, oil, asphalt, bituminous sands, oil sands, natural gas, coal, ammonite shell, sand, gravel, clay, peat, and marl. The AER will continue to regulate petroleum, oil, asphalt, bituminous sands, oil sands, natural gas, and coal.

Brine-hosted & rock-hosted minerals



AER 15

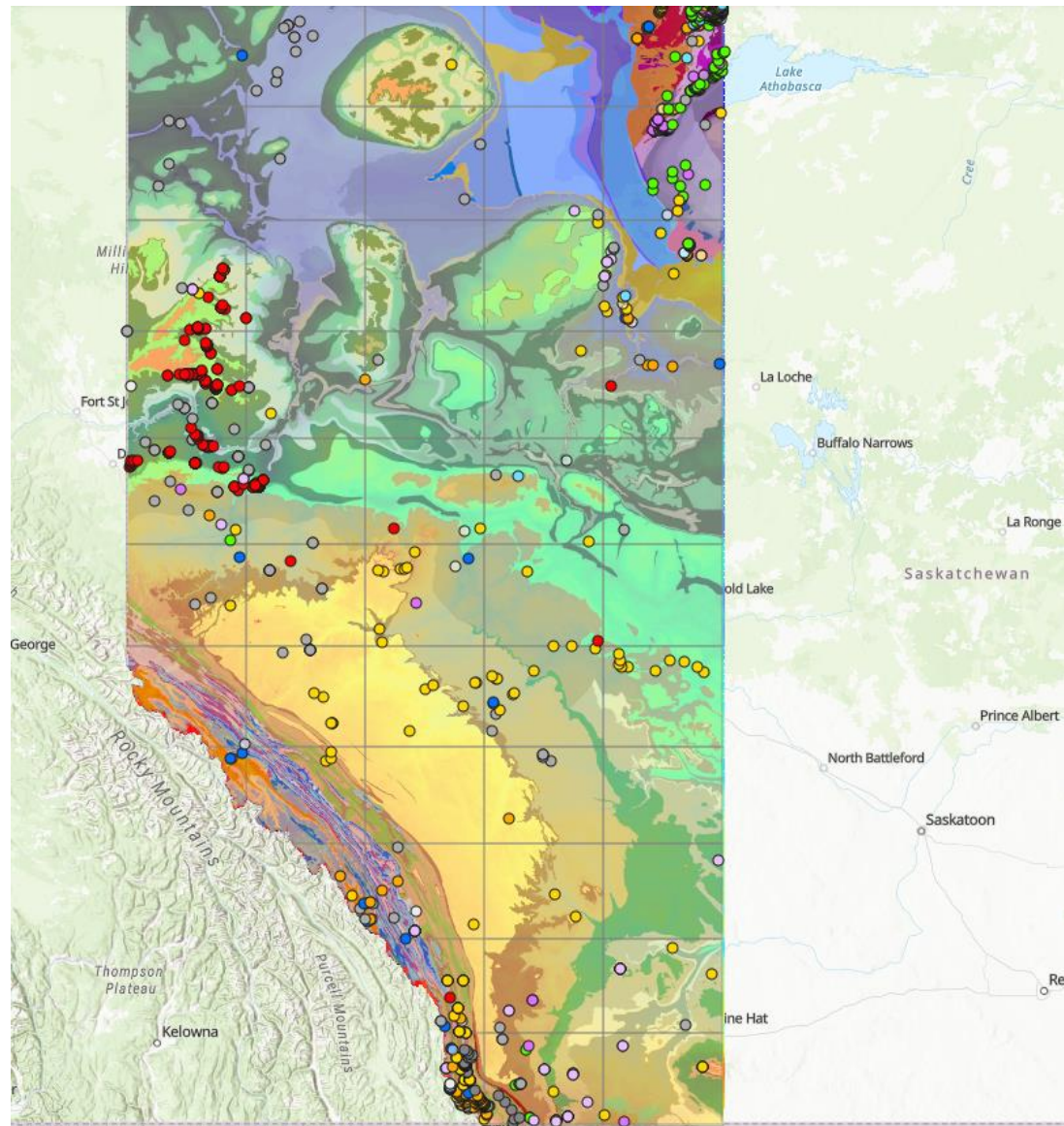


Alberta's mineral potential



**Our mission: Collect precise geoscience data
about mineral deposits in Alberta.**

Public Geoscience: Preliminary insights



Leveraging existing regulation



Directives

Directive 074

Directive 056



Manuals

Manual 19

Manual 20



Regulatory programs:

Inspections and audits

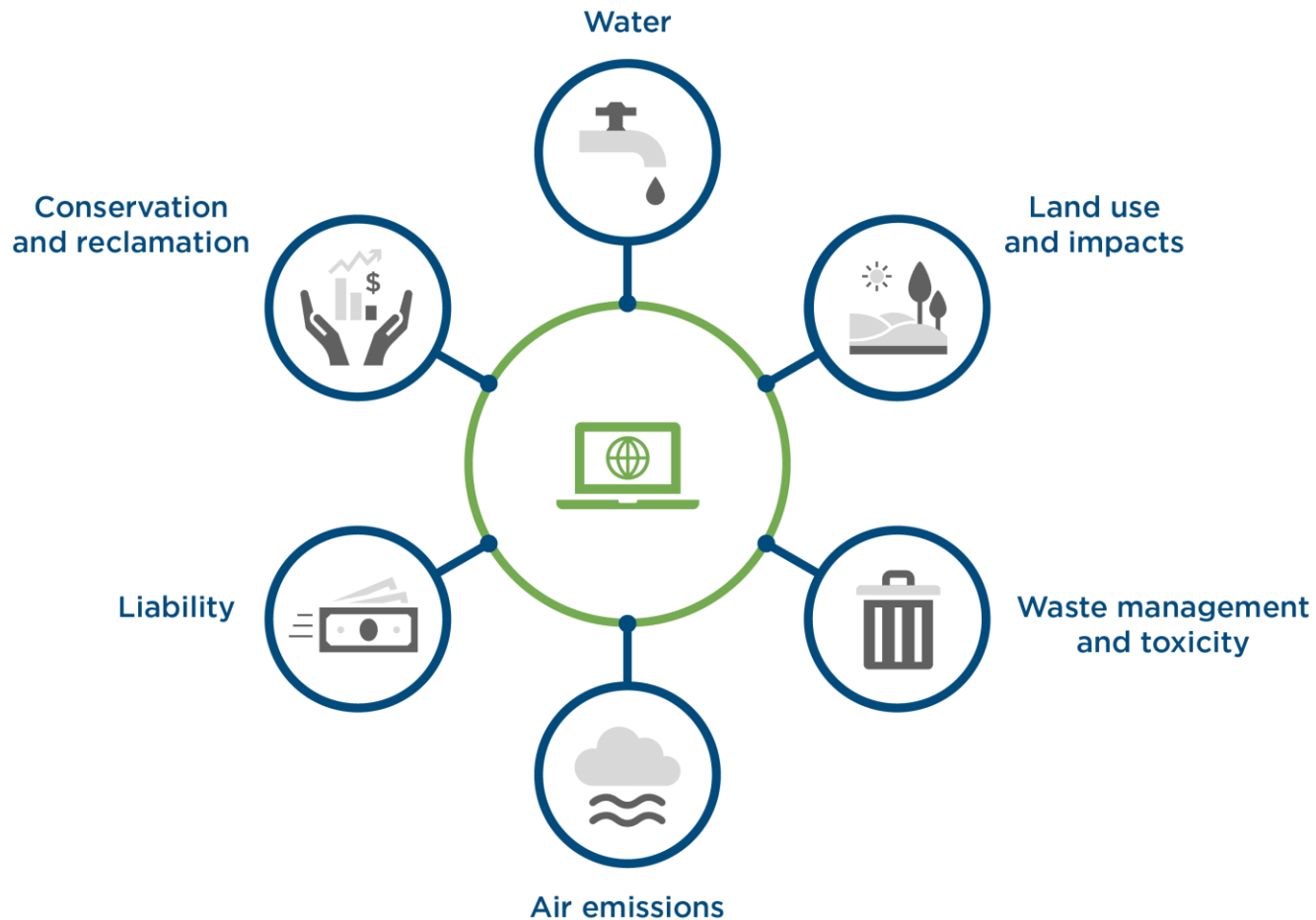
Compliance and enforcement

Public notice of application

Statements of concern

Hearing services

Addressing risks with regulation



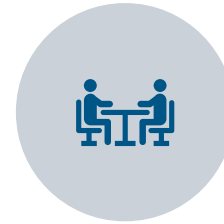
Next steps



**Virtual information
sessions x2**



**Virtual industry
workshops x2**



**In-person public
workshops**



**Public
comment period**



Minerals@aer.ca



**Ongoing
participation in
meetings and events**



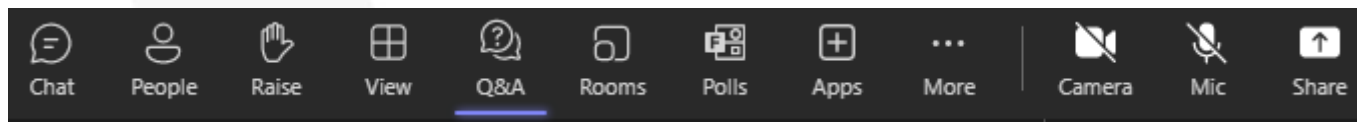
Connect with Us

AER website: aer.ca

Email: minerals@aer.ca

Inquiries line: 1-855-297-8311

? Questions





Thank you





Scan this QR code for more.