

Agenda



Introduction of the AER and the External Innovation Team



The Support We Offer



Intake and Assessment Process



Examples of Innovation File



Innovation

New ideas, methods, techniques or processes

Support the improvement of current products, technologies and environmental outcomes

Meet market needs and create value for the industry and Albertans

Innovators and other Stakeholders

- Industry operators and groups
- Vendors, manufacturers and consultants
- Government agencies and ministries
- Non-profit organizations
- Universities and research centers
- Individual innovators

























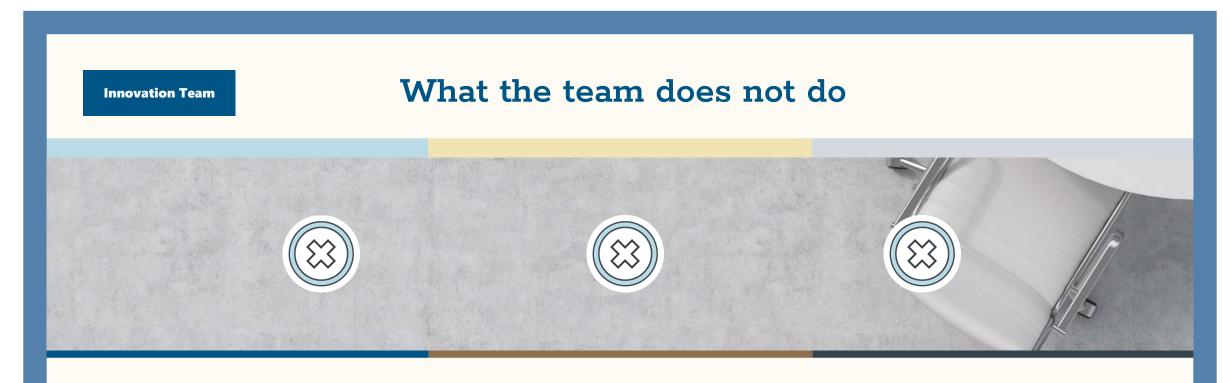
Innovation Team

What the team can do



To guide innovators through the regulatory system by providing 3 key types of services:

- Clarifying relevant rules and regulations.
- Facilitating information exchange and knowledge sharing.
- Providing regulatory support for field trials or pilots.



It is important to note the innovation team does not:

- Replace the regulatory Issue any endorsements, application process testimonials, or certifications
- Help innovators find customers

Innovation Team

Confidentiality Consideration

Freedom of Information and Protection of Privacy Act (FOIP) applies to all information and records which are in the custody or control of the AER, including any records provided to the innovation team.

If an innovator considers portions of any records provided to the AER outside of an application to be confidential, it should identify those parts of its records considered to be confidential and what harm could reasonably be expected from disclosure. **Process**

Innovation Intake and Assessment



Innovation Intake

A webpage is available on the AER website.

Innovation requests can be submitted online.



Initial Assessment

Sufficient information provided?

Does it fall under the AER's jurisdiction?

Is there an existing AER regulatory pathway?



Continued Assessment

Which type of service is requested?

Determine the Technology Readiness Level (TRL).

Does the innovator have a partnership with a licensee?



Outcomes

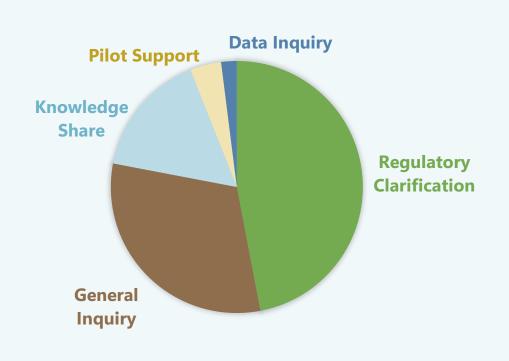
Innovator moving forward and advancing technology.

Update regulatory instrument (e.g., directives).

Initiate discussion with other regulatory bodies (e.g., change of policy, mandate expansion).

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Purpose of Request





Regulatory Clarification

Clarify regulations, rules and directives applicable to the innovation.



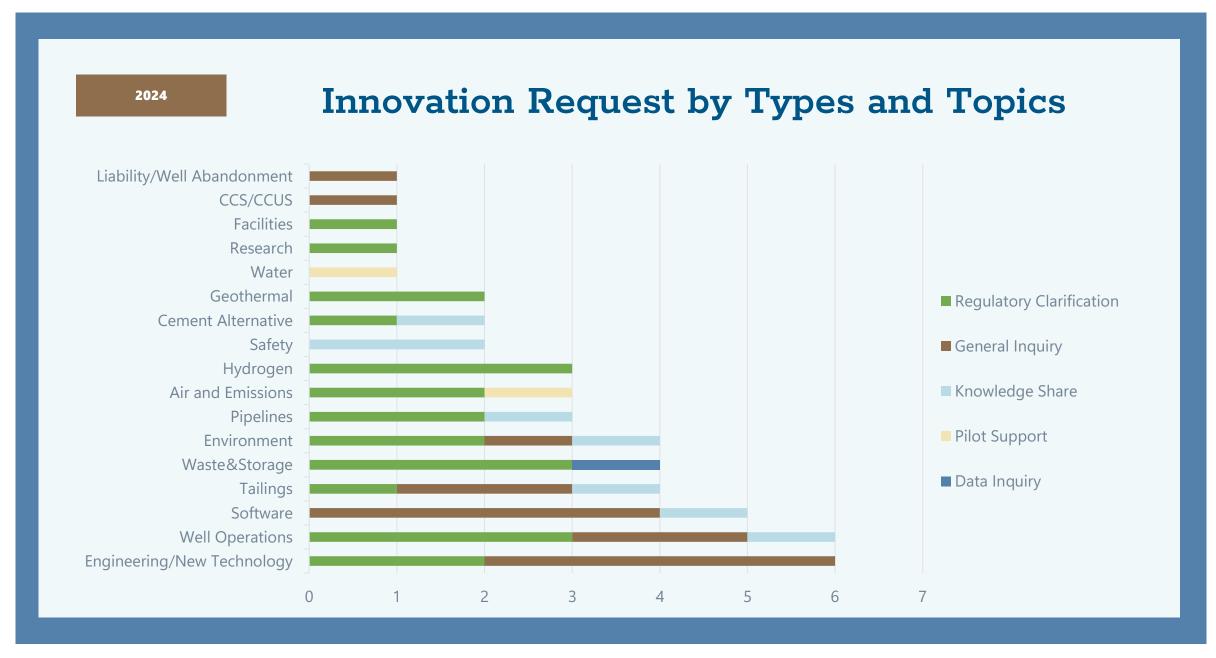
Knowledge Share

Connect the innovator with the appropriate and relevant SME to stay informed of latest technologies.



Pilot Support

Identify regulatory pathway and provide guidance to submit application for pilot approval.





Cavern Storage - Confidentiality

Innovator requests to extend confidential status to well data.

We worked internally to provide a regulatory pathway that aligned with the licensee's desired outcome.





Lithium - New Mandate

Initially no existing regulatory pathway for lithium extraction.

Proposed pilot to grow into a standalone facility.

Discussed internally and with ministries regarding regulatory responsibilities.

GoA proclaimed MRDA and set policy direction.





Nuclear - Small Modular Reactors

Uncertain if the AER would have regulatory responsibilities on SMR development for resource operations.

Identified the potential overlaps and gaps in the regulation of a potential SMR project in Alberta.

Reported findings to the Ministry of Energy.





Drilling Technology Hub

Identified regulatory pathway as part of a feasibility study.

Determined proper well type and classification for the unique purpose.

Discussed eligibility and liability management with proponent.

Ready to advise licensing process to proponent.





Well Abandonment – Alternatives to Cement

Required non-routine approval process.

Considered outcome-based, less prescriptive requirements.

Provide transparency of the assessment criteria.

React and adapt to industry needs to reduce red tape and streamline review.



