

# RESERVOIR SYMPOSIUM

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*Reservoir Characterization for Energy Security*

## Content, risks, and continuous improvements of In Situ Regulatory Applications

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### ABSTRACT

The Alberta Energy Regulator (AER) has a legislated mandate to provide for the efficient, safe, orderly, and environmentally responsible development of energy and mineral resources in Alberta through our regulatory activities. This includes allocating and conserving water resources, managing public lands, and protecting the environment while providing economic benefits for all Albertans.

There will be a focus on enhancing regulatory application content and risk management in thermal subsurface development within the Oil Sands Areas. In Situ thermal regulatory application statistics will be shared. Current operational trends and their regulatory implications will be discussed. AER continuous improvement and evolved future opportunities for regulatory streamlining, including pre-application meetings and Lifecycle approaches will also be discussed.

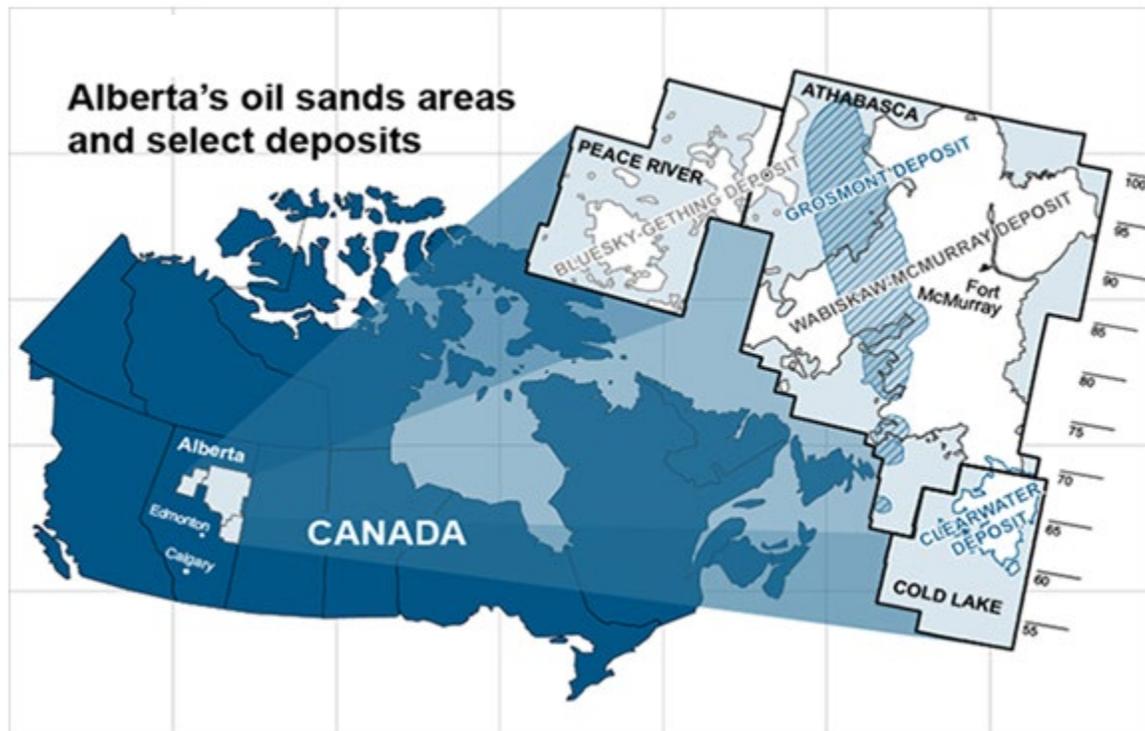


Figure modified from: Alberta Energy Regulator. *Alberta Energy Outlook ST98*. Archives. ST98 2016 Crude Bitumen Reserves. Excel file. October 1, 2025. <https://www.aer.ca/data-and-performance-reports/statistical-reports/alberta-energy-outlook-st98/archives>.