



Petroleum Technology Research Centre

The PTRC is a not-for-profit RD&D company that facilitates and manages projects that reduce the carbon footprint and increase the production of subsurface energy.

AVAILABLE RESOURCES

Aquistore Deep Saline CO2 Storage Site

- Field industrial scale testing of new and existing MMV technologies, including DAS, DTS, novel seismic sources and imaging technologies, down well monitoring and fluid sampling. The Aquistore field site can facilitate the testing of new MMV technologies.
- Access to universities that are partners within PTRC's Heavy Oil Research Network (U of A, U of C, U of R, U of S, ST.FX, Geological Survey of SK, Geological survey) to examine reservoir modeling and development for CO2 storage and enhanced oil recovery projects.
- Capture technologies: optimizing of amines in CETRI test facility (U of R) and development of more energy efficient/less expensive capture technologies at bench and pilot scale.
- On site lab facilities including industrial-scale CT-scanner.

Other

- Enhanced oil recovery that reduces emissions and environment research while increasing production.
- Geothermal energy, both for building heat and potentially for electricity production, where subsurface temperatures are sufficient.

COST OF SERVICES

PTRC does not hold patents; the organization helps SMEs in the development of their technologies, particularly as they relate to geothermal energy, CO2 storage, and enhanced oil recovery – from bench scale through to field trials.

CONTACT INFORMATION

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SERVICES

The PTRC focuses on the geological storage of CO2 in deep saline aquifers (Aquistore Project), enhanced oil recovery (including CO2-EOR) and geothermal heat/energy production.

EXPERTISE



Capture

Amine testing and novel capture processes through piloting facilities at our partners in the University of Regina's Clean Energy Technology Research Institute.



Utilization

CO2 for enhanced oil recovery (Weyburn CO2-EOR project), and for use in drawing heat to surface through CO2-geothermal energy production.



Storage and Transport

Deep saline formation CO2 geological storage (Aquistore +500 Kt of CO2 stored), shallower storage in heavy oil zones in Lloydminster area, MMV development, risk assessment evaluation



Other

Geothermal research and development for heating of buildings in southern Saskatchewan.

TRL

Research, field testing and application for TRL 1 - TRL 8.

