

Canadian CCUS Perspectives

Brendan McGowan, Enhance Energy

Summary

Enhance Energy is a privately owned Alberta based company and a trusted leader in reducing carbon emissions through carbon, capture and storage, including alternatives that utilize the CO₂ for enhanced oil recovery. Enhance is one of the founding partners of the Alberta Carbon Trunk Line (ACTL) project, the world's largest anthropogenic CO₂ transportation system.

The ACTL is a 240-kilometre pipeline that transports carbon dioxide captured from industrial sources in the province of Alberta to injection sites for CCUS. The ACTL is currently gathering CO₂ from the Nutrien fertilizer manufacturing plant in Redwater, and the Northwest Redwater Partnership bitumen upgrading plant. At current operations, the project safely and permanently sequesters approximately 1.5 million tonnes of CO₂ per year. At the ultimate transportation capacity of 14.6 million tonnes of CO₂ per year the ACTL could enable Canada to more than triple current CCUS operations.