

Challenge Synopsis:

With a strong commitment to reducing GHG emissions, Canadian Natural's long-term aspirational target is net zero emissions in their oil sands operations. They have taken significant steps to reduce their emissions through a comprehensive strategy and investments in technology and innovation. One aspect of their integrated strategy includes Carbon Capture, Utilization and Storage (CCUS).

Challenge Statement:

Canadian Natural is looking for technologies to enable the capture of carbon dioxide and other greenhouse gases from flue gas. Additionally, they are looking for technologies that will take existing CO₂ streams and find means of converting the CO₂ into useful products. Technologies that enable storage of CO₂ are also welcomed.

Context:

Canadian Natural operates a number of gas fired steam and electricity generating facilities, plus a number of hydrogen generation units. They are looking for innovative techniques and technologies that can improve CO₂ capture, and convert CO₂ into useful products. Earlier stage Technology Readiness Level technologies are welcomed as they can work with vendors to accelerate technology development.

Response Criteria:

- Current focus is on step change advancements and not marginal improvements.

The Opportunity:

- Potential to discuss your technology (if selected) with one of Canada's largest oil and gas producers.
- Meet new customers and enter new markets with your product



About Canadian Natural:

Canadian Natural is an effective and efficient operator with a diversified portfolio of assets in North America, the UK North Sea and Offshore Africa, which enables us to generate significant value, even in challenging economic environments. We continually strive for safe, effective, efficient and environmentally responsible operations while executing economic development of our diverse asset base. Our balanced mix of natural gas, light crude oil, heavy crude oil, bitumen and synthetic crude oil (SCO) represents one of the strongest and most diversified asset portfolios of any independent energy producer in the world.

***Only non-confidential information should be included in your response ***

