

## April 2021 – CSUR Technical Webinar

### Canada's Methane Reduction Ambitions

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#### CANADA'S METHANE REDUCTION AMBITIONS

PRESENTED BY  
ALLAN FOGWILL, PRESIDENT & CEO - CERi.

Allan Fogwill, President and CEO – Canadian Energy Research Institute (CERi), delivered a presentation titled “Canada’s Methane Reduction Ambitions”. Given the prevalence of this topic in the news lately and with countless announcements of “net-zero” commitments by various governments and organizations, the need to understand the specifics of these types of pledges has become crucial. In addition, these types of announcements also come with questions for many. For example, what does this mean for our organization, how will it impact the overall economics of our projects and are these expectations & targets even realistic?

The speaker commenced his talk by discussing the concept of Global Warming Potential (GWP), which essentially defines a particular greenhouse gas’ ability to absorb heat in the atmosphere (over a given time period) in relation to the amount of heat that can be absorbed by an equivalent mass of Carbon Dioxide (CO<sub>2</sub>). Although CO<sub>2</sub> is the most dominant greenhouse gas in terms of volume, the impact from other greenhouse gases, such as Methane, Nitrous Oxide, Ozone & Fluorinated Gases, is significantly higher. As such, there has been a concerted effort in Canada to minimize or mitigate methane emissions from all possible sources, especially from the Energy sector (including Oil & Gas activities), the agriculture industry and waste. For the Oil & Gas sector, the speaker went on to further categorize emissions from the upstream, midstream and downstream parts

of the industry, with over 80% of methane emissions being generated from oil & gas well field activities. A significant portion of the methane emissions come from 3 sources: pneumatic devices, fugitive emissions and venting.

He then delved into the policies and regulations that apply to the Upstream Oil & Gas sector, including facilities that extract, process and / or transport hydrocarbons. The speaker also elaborated on the equivalency agreements between the federal and various provincial governments regarding methane emission reduction targets. For Alberta, the goal is to achieve a 45% methane emission reduction by 2025 (based on 2014 activity levels).

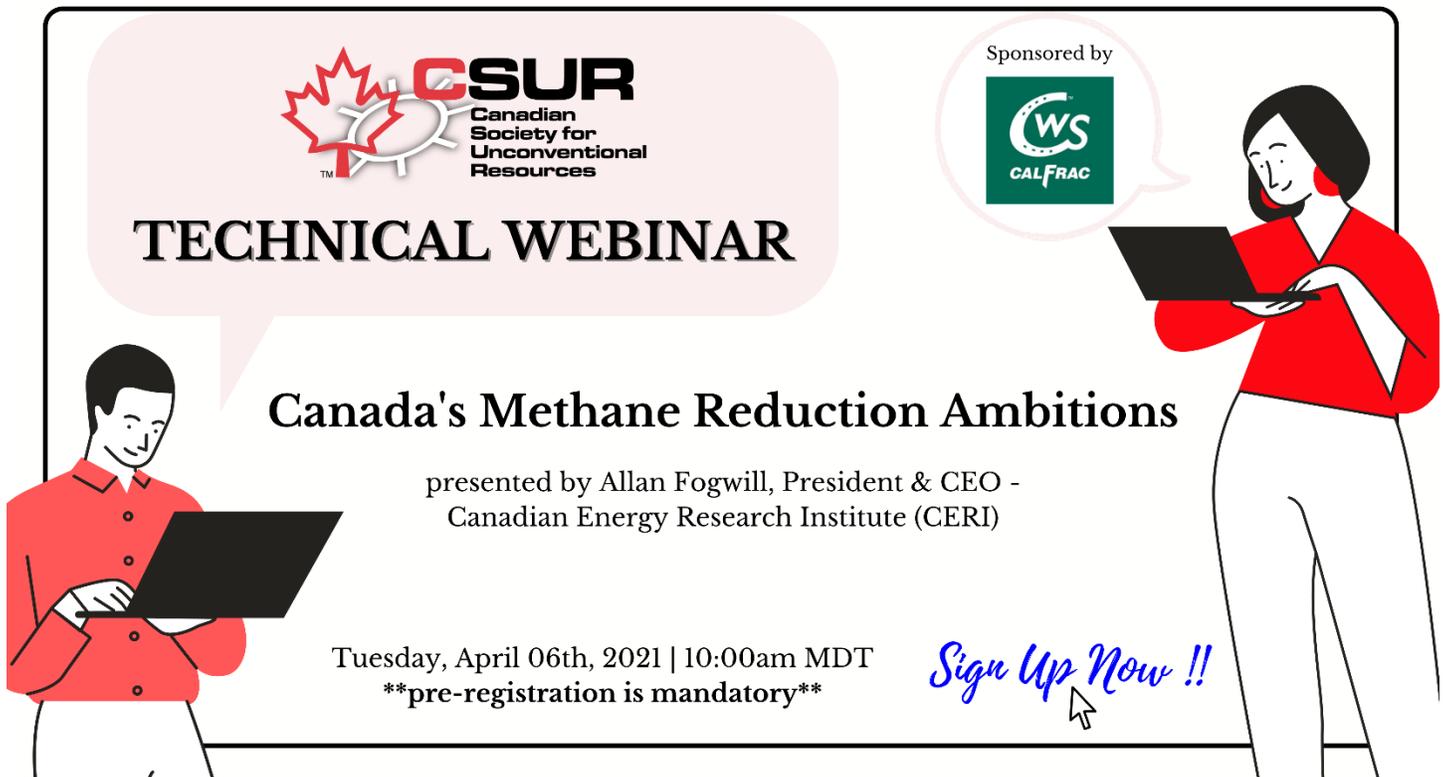
For the final portion of his talk, Allan touched on the strategies, technologies and monitoring aspects for mitigation purposes to achieve the emission reduction targets. He recommended a rigorous assessment plan for organizations to achieve the most effective solutions, taking into account impact on costs, reduction targets and possible carbon credits.

## Summary

Along with some provincial governments, the Canadian government has set policies to cut methane emissions from between 40-45% of baseline value by the year 2025. Baselines might differ between governments, but the overall targeted reductions by Canada are about 25 Mt CO<sub>2</sub>e of methane emissions by 2025. The gas supply chain can be broadly divided into upstream, midstream and downstream sectors where sources of methane emissions are identified, and mitigation technologies are assessed from wellhead to burner-tip. Methane emissions from the sectors can be further grouped into source categories such as fugitives, flared, vented, line heating, and burner-tip. This webinar will take participants through CERI's research to assess the effectiveness and cost of different methane mitigation options.

**PRESENTER:** Allan Fogwill, President & CEO - CERI.

Allan Fogwill joined CERI in November 2014 as President and CEO. An energy sector executive with over 30 years of experience in both the public and private sectors, Mr. Fogwill's background has focused on economic and market analysis of energy sector issues and policy development related to energy regulation and efficiency issues. Mr. Fogwill has previously worked for natural gas distribution companies in BC and Ontario and the Ontario Energy Board dealing with market analysis and the analysis of distribution costs. Prior to assuming his role at CERI, Mr. Fogwill provided regulatory consulting services to local distribution companies in Ontario. Allan has a Master's degree from Simon Fraser University in Natural Resources Management and a Bachelor of Science degree from the University of Saskatchewan in Geography. He has also served as the Chair and CEO of the Canadian Energy Efficiency Alliance and the Canadian Gas Research Institute.



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# TECHNICAL WEBINAR

## Canada's Methane Reduction Ambitions

presented by Allan Fogwill, President & CEO -  
Canadian Energy Research Institute (CERI)

Tuesday, April 06th, 2021 | 10:00am MDT  
**\*\*pre-registration is mandatory\*\***

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