

This abstract will be presented during LNG2023 conference on 10-13 July in Vancouver, Canada among many other innovative projects, ideas and outlooks. LNG2023 will provide a unique platform for the global LNG industry and key stakeholders to discuss, debate, and showcase the latest industry developments and opportunities.



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DECARBONIZING THE UPSTREAM LNG VALUE CHAIN: A CANADIAN EXAMPLE

While Canadian LNG exports have not yet commenced, the Canadian natural gas industry is well established. Canada is the 6th largest producer of natural gas in the world, with 17 billion cubic metres of annual production and is a short shipping distance to Asian markets. Canadian natural gas has the lowest well-to-market GHG intensity of any supply region around the world. Several projects on the west coast of Canada are being constructed or are in development that can bring low-carbon Canadian LNG to global consumers. Canada's industry-leading emissions intensity is realized through a commitment to lowering carbon emissions throughout the value chain, including natural gas drilling & completions, processing, compression, transmission and liquefaction. Canadian natural gas producers, pipelines, LNG facilities and Indigenous partners routinely exceed the stringent domestic requirements and carbon targets, using electrification, carbon capture and sequestration, leak detection and repair programs, solar or air driven instrumentation, waste heat recovery and adoption of new technologies to achieve the lowest well to market GHG intensity of any LNG supply region. This paper will provide a detailed analysis of well to market emissions for a representative group of Canadian gas producers, how such low intensities are achieved and provide commentary on what this implies for the role of Canadian LNG in a global context.

To view the full conference agenda, visit <https://www.lng2023.org/lng-programme-overview>