

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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CANADIAN LNG: A CLIMATE CHANGE MITIGATION EFFORT

Our 2.0C pathway indicates a need for ~350 Mtpa of currently unsanctioned production by 2040, by when Asian demand will exceed 500 Mtpa. Asia remains LNG's long-term home despite the ongoing focus on Europe. This paper will explore the case for additional Canadian LNG - particularly from the Pacific Coast - to support demand in East Asia. We detail the competitive ESG advantages of Canadian LNG: geographical proximity ensures material cost and emissions savings over USGC and even over Mexican West Coast projects. The advantage over USGC is further pronounced when considering upside risks from rising congestion at Panama: a Canadian Pacific project would need half the number of ships to deliver the same volume. We also discuss the characteristic ambient temperature advantages and proactive use of renewable-origin electricity that can drastically reduce liquefaction emissions. Further, high transparency and accountability requirements of the Canadian governmental regime will support accurate carbon accounting, which will build credibility of carbon-offset LNG trade that has become structural in Japan and China. This will also build investment confidence in Asian buyers keen to develop equity LNG. Lastly, we discuss how CCUS can help turn production from smaller projects net zero. We conclude that Canadian LNG can be positioned as a weapon in climate change mitigation, displacing more polluting fuels in energy hungry Asia.

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