

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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METHODOLOGY FOR MEASUREMENT INFORMED METHANE EMISSION ESTIMATES ACROSS THE SUPPLY CHAIN – BENEFITS TO LNG

For LNG to play a significant role in the path to net zero, methane emissions across the entire natural gas value chain must be minimized. Accurate measurement is the first step toward effective, credible reduction of methane emissions. Currently, emission estimates rely on traditional accounting-based methods such as inventories or reporting programs that are based on emission factors and activity factors. These methods do not rely on actual measurements of emissions. To begin incorporating measurements, GTI Energy with subject matter experts has developed Veritas - an advanced large-scale methodology to create measurement informed methane emission estimates. The protocols developed through Veritas detail method to take advanced measurements of emissions, gather data on the frequency and magnitude of methane emissions, and reconcile that information with traditional inventory or reporting.

The protocols have been developed for six segments of the natural gas supply chain: production, gathering & boosting, processing, transmission & storage, LNG, and distribution. These protocols, publicly available by early 2023, can be building blocks toward greater global confidence on the climate credentials of natural gas and LNG. This presentation will focus on the development of the LNG segment protocols, how LNG fits into the overall methane emissions across the supply chain, and benefits from a detailed understanding of emissions across the supply chain, including distribution.

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