Forthcoming Changes in the CSA Z276 LNG Standard

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The LNG standard published by the Canadian Standards Association, CSA Z276, *Liquefied natural gas (LNG) — Production, storage, and handling* was last published in 2015. This standard is primarily adopted by Canadian provinces for application to existing and proposed LNG facilities in Canada, but is also referenced in other areas of the world. The standard is similar to National Fire Protection Association (NFPA) standard 59A that is prevalent in the U.S. Z276 covers the location and siting, equipment selection, construction techniques, and fire protection requirements, as well as operations, maintenance, and personnel training guidelines for LNG facilities.

Recent developments implemented in the current revision cycle for the standard will expand or significantly modify Z276. These changes, scheduled for implementation in the 2018 edition of the standard, will revise the siting methodologies and scope of LNG facilities covered by the standard. The changes address the need to provide a modernized regulatory basis for a quickly-changing LNG industry that requires siting considerations from a more modern process safety perspective. This paper will describe the changes that have recently been implemented in the standard and how those changes seek to adapt to the types of LNG facilities being proposed and built.