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## UNC Mod 0645: Amending the oxygen content limit in the South Hook LNG Network Entry Agreement

Introduction to a New Modification Proposal from South Hook Gas – UNC Panel 18 January 2018

# Why change?



- » The current South Hook LNG-National Grid Network Entry Agreement has a maximum oxygen content limit of 10 ppm (0.001mol%)
- » This level was originally imposed to reduce the operational risks of oxygen breakthrough at the nearby Dynevor Arms LNG Peak Shaving facility. Which is now closed
- » The current strict limit imposed increases the risk of breaching the incomplete combustion factor limit
- » UNC modification is the only route to rectifying these issues

# Benefits



- » An enabling mod to amend the oxygen content in the NEA aid in the following
  - De-risking the probability of an Incomplete Combustion Factor breach as the risk of an oxygen limit breach will significantly reduced
  - Improve security of supply
  - Consistency with other entry points

## Solution



- » To enable an increase in the oxygen content of gas entering the system at South Hook LNG terminal
- » The South Hook LNG NEA current has a maximum oxygen content limit of 10 ppm (0.001 mol%)
- » The purpose of the modification proposal in accordance with Section I of the UNC is to enable to maximum specified in the NEAs to be increased to 200ppm (0.02 mol%) which has been approved in two previously approved mods
- » This level falls well below the GS(M)R limit of 2000ppm (0.2mol%)

## Recommended next steps

- » An 'enabling' Modification to facilitate an amendment to the oxygen limit within the National Grid – South Hook LNG NEA from 10ppm to 200ppm
- » South Hook Gas recommends that this UNC Modification should be referred to Workgroup for one month, and subject to self-governance as this Modification is unlikely to have a material effect on competition in the shipping, transportation or supply of gas