

Gas Network Innovation Competition Full Submission
Supplementary Answer Form

Project: __Real-Time Networks__

Tick if this answer has been provided verbally: ☐

Project code	SGN_GN_03	Question Number	21
Question date	15/09/15	Answer date	17/09/15
Submission section question relates to	NIC Criteria a) Enviro+consumer bens		
Topic			
Question	Following on from Q&A 8. The response suggests that for the benefits of nitrogen ballasting to realised under Realtime networks, the Oban LCNF project would need to successful. Has the project team considered what would happen if Oban did not deliver the expected findings?		
Notes on question			
Answer	<p>The Oban project (Opening up the Gas Market) is aiming to establish the principle that unballasted LNG is safe for GB gas consumers and to develop a GB rollout plan. The project has been successful to date and the project currently has an HSE Exemption to deliver unballasted gas to Oban.</p> <p>The real-time networks project will investigate the impact of varying gas quality on network modelling, demand and operation. This project is not dependent on the outcome of the Oban project as it aims to investigate the impact of varying gas quality in general; unballasted LNG is just a specific, but very important, example of a gas quality with a high energy content.</p> <p>If the Oban project did not deliver the expected benefits the 'Real-time' networks project would still have the potential to deliver significant benefits to the GB gas customer and wider industry. Indeed none of the network benefits identified, for example, refinement in forecasted demand, would be affected.</p> <p>Looking at the wider industry, there remains a significant potential benefit, such as that associated with reduced propanation for low calorific value gases, which could still be realised. For example, biomethane complies with</p>		

	<p>GS(M)R but requires propanation to comply with the Thermal Energy Regs; this increases the carbon content of an otherwise “green” gas. An understanding of the impact of varying gas qualities and their impact on the energy content in the network facilitates the connection of both conventional and unconventional gases and further enhances security of supply for the GB gas consumer.</p>
Attachments	