

Network Innovation Competition Full Submission

Supplementary Answer Form

Tick if this answer is Confidential: ☐

Tick if this answer has been provided verbally: ☐

Project code:	WWUN01	Question Number	12
Question date	3 rd October 2013	Answer date	11/10/2013
Submission section question relates to	Panel Question		
Topic			
Question	<p>In the instance that you fail to secure the exemption for 2% hydrogen injection, we understand that you are proposing that the project would continue based on hydrogen injection of 0.1%.</p> <p>Please provide justification for this approach. This should be given in terms of the new learning that would be achieved by injecting hydrogen at the currently accepted level.</p>		
Notes on question			
Answer	<p>Currently 0.1% is allowed level but no one is injecting hydrogen into the GB gas network and the hydrogen content of natural gas in the UK network remains negligible so there is value in proceeding with mixing and injecting up to the current GS(M)R limit as it would create new learning for the UK gas industry. Injection of 0.1% Hydrogen would:</p> <ul style="list-style-type: none"> • Provide the first practical demonstration of the technology in the GB to GB standards • Create intellectual property and experience amongst GB companies in the operation of hydrogen/natural gas mixing equipment • Provide potential jobs and export earnings • Create knowledge and experience of the integration/connection and operation of hydrogen mixing and injection amongst GB Gas Network Operators • Establish that the gas mixing was effective and could be monitored • Provide learning on the specific issues related to hydrogen mixing & 		

	<p>injection</p> <ul style="list-style-type: none">• Create a body of knowledge and practical experience that can be drawn upon by the HSE, IGEM and other relevant organisations, for example to guide amendments to industry recommendations or standards• Provide a route map to accelerate the utilisation of hydrogen within the UK
Attachments	
Verbal Clarifications (Consultants)	