

Network Innovation Competition Full Submission

Supplementary Answer Form

Tick if this answer is Confidential: ☐

Tick if this answer has been provided verbally: ☐

Project code:	NGGTGN01	Question Number	5
Question date	15 August 2013	Answer date	19 August 2013
Submission section question relates to	4.1		
Topic	Evaluation criteria		
Question	How has the impact of other low carbon initiatives or NIC projects been factored into the evaluation. (i.e hydrogen injection as surrogate form of load balancing from wind generation).?		
Notes on question	-		
Answer	<p>The project team have reviewed a number of the scenarios from the National Grid 2012 Ten Year statement, the Carbon Plan and the 2013 Energy Supply Scenarios documents and considered what impact they may have on the Gas Transmission System.</p> <p>These documents predict changes on both the gas supply and demand sides (including low carbon initiatives), which will generally result in the requirement for increased flexibility from the Gas Transmission System.</p> <p>Technologies with a low technology readiness level, such as hydrogen injection as a surrogate form of load balancing from wind generation, are generally not factored into these scenarios. With particular regard to hydrogen injection this may result in a further flexibility requirement, as it would be likely to impact the supply pattern, if injected into the Gas Transmission System, or the demand requirement, if embedded within Distribution Networks.</p>		
Attachments	-		

Verbal Clarifications (Consultants)	
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