

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	13
Question date	08/09/15	Answer date	11/09/15
Submission section question relates to			
Topic			
Question	Please could you provide additional information on why this project can deliver substantially more benefits relative to an incremental approach whereby SGN looks to enhance existing models?		
Notes on question			
Answer	<p>Incremental improvements to the models currently in use by SGN cannot deliver the benefits as detailed in the submission. The current models, even with enhancements, are not capable of interpreting the vast data sources or algorithms for low flow conditions that need to be integrated during the trial and subsequent roll out.</p> <p>The relationship between the data and model is inextricably linked. Without the relevant model for data interpretation and processing the value cannot be realised from the data collected. Similarly, without the sensors and consumer usage data, the model cannot reach the required levels of accuracy to give a concise view of network performance and management of non-conventional sources.</p> <p>The Real-Time Networks project requires models that can be linked to an online real-time data system. The current available models do not have this capability thus a step change is required.</p> <p>As part of the project, existing modelled information can be 'translated' to comply with the new, novel system.</p> <p>Furthermore, the models will move from a licensed, remotely installed and supported format to an externally hosted solution.</p> <p>The externally hosted costs █████ show significant benefits when compared to a similar internally hosted instance █████.</p>		

Attachments	
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