

LCN Fund Full Submission

Supplementary Answer Form

Tick if this answer is Confidential: ☐

Tick if this answer has been provided verbally: ☐

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| Project code: | WPDT205 | Question Number | 13 |
| Question date | 17/09/2013 | Answer date | 18/09/2013 |
| Submission section question relates to | Technical Consultants Meeting | | |
| Topic | Commercial | | |
| Question | It is understood that the current maximum allowed hydrogen in the gas network is 0.1%, but a derogation has been requested to allow up to 2% hydrogen. What would be the effect to the viability of the scheme if the derogation is not granted? | | |
| Notes on question | | | |
| Answer | <p>If we were not able to obtain the required derogation then the hydrogen injection would have to remain within current limits; in this case the project could continue without an exemption and demonstrate the technical feasibility of hydrogen injection as part of the wider project.</p> <p>It should be noted that hydrogen injection is just one part of a toolkit aimed at maximising utilisation of renewable generation. It builds upon project elements utilised by Method 2. Hence the additional cost of this Method to LCNF is minimal given the main costs are born by NIC and/or are already required for Method 2.</p> <p>Even at the existing level of 0.1% hydrogen, we will still be able to demonstrate the feasibility of Gas Inject and the ability to manage this as part of an end-to end chain from wind farm through to injection and/or the ability to switch between injection and the gas engine and to manage energy storage accordingly to ensure sufficient capacity exists to cater for forecast future energy curtailment.</p> | | |

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| Attachments | |
| Verbal Clarifications (Consultants) | |