

Gas Network Innovation Competition Full Submission
Supplementary Answer Form

Project: Real-Time Networks

Tick if this answer has been provided verbally: ☐

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| Project code | SGN_GN_03 | Question Number | 18 |
| Question date | 10 Sep 2015 | Answer date | 14 Sep 2015 |
| Submission section question relates to | Section 2.4 (page 13) & page 39 | | |
| Topic | Smart Meters | | |
| Question | <p>Some of the challenges of obtaining smart meter data are noted.</p> <p>(i) 'Anonymisation' is noted as a key barrier. Please can you provide further information on this issue? Other NIC projects such as Low Carbon London have been able to use smart meter data - albeit for electricity.</p> <p>(ii) Has the project considered options to try and use any SM during the project if it become available?</p> | | |
| Notes on question | NIC criterion b) Value for money | | |
| Answer | <p>(i) Fundamentally, to model demand on a network, the location and the type of consumer is required; without this information, demand modelling at a network level and all the benefits associated with it are not possible. Other studies looking at general area consumptions are possible with anonymised data, but for this project the location of the demand is required. The key point from the Low Carbon London networks study is that this was led by EDF Energy using their own customers who had to 'opt-in'. This is appropriate for a shipper, but SGN is a gas transporter and, as such, it does not have direct access to customers. There were also certain groups excluded from the trial which would be undesirable for the novel demand modelling proposed for the real-time networks project. Groups of customers excluded in the Low Carbon London project included:</p> <ul style="list-style-type: none"> • Pre-payment • Dual fuel • Economy 7 • Vulnerable households • Micro-generation households | | |

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| | <p>(ii) Smart meter data, if available to the appropriate level of granularity and at a reasonable price, could be incorporated into the data sets used for demand modelling and would complement the work described in the proposal. The project team has spent a considerable amount of time and effort to try and address the smart meter data issues. If the communication and anonymisation issues could be addressed, and particularly if a subset of the meters can be modified to collect 6-minute data, smart meters would provide a valuable data resource. Our current position, however, is that these issues cannot be readily resolved and the alternative solution of installing meter loggers is therefore proposed and being pursued. Installation of loggers will do exactly what is required. If we could get smart meters to do the same thing, that would be even better.</p> |
| Attachments | |