

LCNF Full Submission

Supplementary Answer Form

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| DNO Name: | Electricity North West Limited | Question Number: | ENWL019 |
| Question Date: | 15 Sept 2010 | Answer Date: | 12pm 20 Sept 2010 |
| Question Topic: | | Box 17 | |

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| Original Question No: | | Original Answer Date: | |
| Original Question: | | | |
| Original Answer: | | | |

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| Question: | The proposal mentions a number of communication methods being explored; At the same time the collaborator Arqiva has specific strengths in particular solutions. What measures do you have in place to ensure a balanced review of alternative approaches? |
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| Answer: | <p>The communications solutions proposed within the Northern Gateway Smart Grid Project are considered by Electricity North West to be last mile technologies enabling secure connections from our core communications network to distribution substations and customer premises. The location of remote devices within the Northern Gateway Smart Grid Project varies greatly with some end points being in underground chambers and basements. Electricity North West recognises that one communications solution will not be applicable across all the smart grid monitoring and management applications and all environmental scenarios hence there are a range of different technologies being proposed.</p> <p>Within the Northern Gateway Smart Grid Project footprint there is currently no WiMax, DSL¹ or Power</p> |
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¹ DSL – Digital Subscriber Line (Broadband Over Copper Pilot Cables)

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| | <p>Line Broadband technology deployed however Arqiva do have a long range radio coverage of the Project geography. As an External Collaborator Arqiva will be upgrading and providing access to this network as a managed service for the Project duration whilst the other technologies which don't currently exist will be installed by the Project.</p> <p>With regard to assessment of the different technologies all will be considered equal within the Project and a range of endpoints will be connected to each communications medium with differing requirements. Each will be assessed on a range of criteria including ease of access to network, configuration, quality of service, bandwidth, security, network management, relative cost of deployment and availability of useable spectrum with a view to developing and testing a portfolio of products which can be deployed in the most cost effective manner in any future Smart Grid applications.</p> |
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| Attachments: | None |
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