

# LCNF Full Submission

## Supplementary Answer Form

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<b>DNO Name:</b>	Electricity North West Limited	<b>Question Number:</b>	ENWL008
<b>Question Date:</b>	15 Sept 2010	<b>Answer Date:</b>	12pm 20 Sept 2010
<b>Question Topic:</b>		Box 3, Box 22	

<b>Original Question No:</b>		<b>Original Answer Date:</b>	
<b>Original Question:</b>			
<b>Original Answer:</b>			

<b>Question:</b>	Box 3 introduces Electrolink as a key consortium member. Why have they not been included as external collaborators or partners and please provide appropriate details on them?
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<b>Answer:</b>	In the Corridor Manchester Smart City Project there are ten External Collaborators, including ElectraLink Limited. Due to the space limitations of Box 22, the additional External Collaborators have been identified in Appendix 6. Note, the last External Collaborator table in Box 22 has been used as a signpost to point the reader to Appendix 6 (which has been attached again for ease of reference).
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<b>Attachments:</b>	PDF document: Appendix 6 – Details of Further External Collaborators.
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## Appendix 6 - External Collaborators

<b>Organisation Name</b>	ElectraLink Limited
<b>Relationship to DNO (if any)</b>	The company is owned by the 14 electricity distribution licence holder companies in England, Scotland and Wales with a distribution services area specified in their licence, each of whom own less than 10% of the share capital. ENWL has a 7.8% shareholding in the company.
<b>Type of Organisation</b>	Limited liability company.
<b>Role in Project</b>	To lead the investigation and development of a framework for the universal provision of a co-ordinated demand side response by any/all customers connected to the distribution network for the management of the distribution and transmission systems. Chair workshops and meetings of consortium partners over a period of 6 months. Produce report detailing options and a set of practical recommendations which are capable of being taken forwards.
<b>Prior experience brought to Project</b>	ElectraLink provides sector leading services to support the utility industry. Operating at the heart of the electricity and gas markets, we support the operation and the governance of the industry. As recognised experts in UK energy processes, ElectraLink provides data and information management, consultancy and governance services. We are code administrator to Distribution Connection and Use of System Agreement.
<b>Funding</b>	18 days of professional services.
<b>Contractual relationship</b>	<b>Will the DNO have a contract in place which ensures the External Collaborator complies with the LCN Fund Governance Document?</b> Yes/No ElectraLink has signed a Memorandum of Understanding with ENWL which specifies the scope of the service.
<b>How funding relates to benefits from Project</b>	Shaping the demand side response capability that will require to be developed over the next few years. Building on relationships with CMSCP partners and other actors to bring forward solutions that support a low carbon society.

<b>Organisation Name</b>	EnerNOC UK Ltd
<b>Relationship to DNO (if any)</b>	None
<b>Type of Organisation</b>	Demand Side Management company
<b>Role in Project</b>	EnerNOC's primary role will be to provide energy monitoring and diagnostics services for key end-use customers in the CMSGP. This will involve installing a system to mine data from Building Management Systems to identify savings opportunities. This system will also create a carbon footprint report for customers.
<b>Prior experience brought to Project</b>	EnerNOC brings deep experience in the field of demand side management. Our technology is in place in over 7,000 customer sites around the world, at which we manage over 4.5 GW of peak demand. We have in the past 3 years extended our capabilities to deliver building management and diagnostics such as will be delivered in this project
<b>Funding</b>	EnerNOC will provide a portion of the installation costs required for customer sites to be addressed. In addition, EnerNOC will undertake the back-end development of software at its cost.
<b>Contractual relationship</b>	<b>Will the DNO have a contract in place which ensures the External Collaborator complies with the LCN Fund Governance Document?</b> Yes/ <del>No</del> EnerNOC has signed a Memorandum of Understanding with ENWL which specifies the scope of the service.
<b>How funding relates to benefits from Project</b>	The funding will provide direct benefits in the form energy (and therefore carbon reduction). In addition, the funding will support the delivery of a rich data and analytics set which will provide a basis for learning on how this approach can be rolled out more broadly to similar facilities across the country

<b>Organisation Name</b>	National Grid
<b>Relationship to DNO (if any)</b>	There is no common ownership between ENW and National Grid.
<b>Type of Organisation</b>	National Grid owns and operates the high voltage electricity transmission system in England and Wales and, as National Electricity Transmission System Operator (NETSO) also operates the Scottish high voltage transmission system. National Grid owns and operates the gas transmission system throughout Great Britain.
<b>Role in Project</b>	National Grid believes that through its collaboration with ENW it can bring to the Project significant experience and expertise in the field of network operation and control. In particular regarding, system balancing services, demand management services, potential DSO functionalities and constructing the future energy environment.
<b>Prior experience brought to Project</b>	<p>The following areas are considered to be where we might be able to both contribute to and learn from this project:</p> <ul style="list-style-type: none"> <li>• Forecasting demand profiles and market behaviour patterns;</li> <li>• Effective Market Self-Balancing and its impact on the scale of the Residual Balancing role;</li> <li>• Access to and competition for Demand Response;</li> <li>• Control arrangements and the impact of embedded generation;</li> <li>• DNO to DSO; and</li> <li>• Data exchange on operational and planning data.</li> </ul>
<b>Funding</b>	National Grid is not providing any direct funding to the project but will internalise the costs of providing its expertise and experience in the areas outlines above.
<b>Contractual relationship</b>	<p><b>Will the DNO have a contract in place which ensures the External Collaborator complies with the LCN Fund Governance Document?</b> Yes/<del>No</del></p> <p>A signed Memorandum of Understanding setting out our commitment to the CMSCP.</p>
<b>How funding relates to benefits from Project</b>	<p>National Grid does not expect to receive any financial benefit from the project but does foresee it as an opportunity to gain useful knowledge on the implementation of Smart Systems and the impact in areas such as the connection of embedded and intermittent generation and in consumer responsiveness to new tariff arrangements. This includes, but is not limited to:</p> <ul style="list-style-type: none"> <li>• Improved forecasting and understanding customer behaviour (from Smart Meter data)</li> <li>• Using Smart Meter data for post event management</li> <li>• Additional services that might be enabled from I&amp;C customers and EVs, including fleet management</li> <li>• Active network management</li> <li>• Potential for new forms of energy and system balancing services and post-event management</li> </ul>

<b>Organisation Name</b>	RWE npower
<b>Relationship to DNO (if any)</b>	RWE npower is a wholly owned subsidiary of RWE AG. It is independent to ENW.
<b>Type of Organisation</b>	RWE npower is a leading integrated UK energy company which serves around 6.7million customers and produces around 8% of the electricity used in Great Britain. RWE npower neither owns nor operates a network business; they are keen to establish relationships and to work with other DNO companies in order to contribute value to the understanding of Smart Grid operation in the UK.
<b>Role in Project</b>	RWE npower will assist ENW by providing support and expertise from their Energy Supply and Energy Services businesses. Npower will work with ENW and their stakeholders to develop an understanding of new commercial arrangements and practices to elicit demand side response. npower will seek to leverage additional benefits to programmes being undertaken in the area as part of their Supplier obligations and will provide Energy Services and Energy Supply expertise to the Corridor Manchester stakeholder group. npower will also work with ENW and consumers to look at developing ways to work with commercial landlords to better engage their tenants in energy efficiency and carbon reduction.
<b>Prior experience brought to Project</b>	RWE npower is one of the UK's leading energy supply companies. Its Energy Services business has experience of developing and delivering complex commercial relationships and frameworks to deliver significant carbon savings; their experience in establishing, managing and delivering their CERT and CESP programmes will provide additional value and expertise to the project.
<b>Funding</b>	RWE npower is not providing any direct funding to the project but will internalise the costs of providing its expertise and experience in the areas outlines above.
<b>Contractual relationship</b>	<b>Will the DNO have a contract in place which ensures the External Collaborator complies with the LCN Fund Governance Document?</b> Yes/ <del>No</del> Non-Disclosure Agreement and Memorandum of Understanding signed.
<b>How funding relates to benefits from Project</b>	Through their collaboration on the project, RWE npower seeks to gain valuable, practical knowledge in the challenges and opportunities that the development of smart grids will have on communities. They will use their role in LCNF to leverage additional value from any CERT and CESP activities that they will undertake in the area over the lifetime of the project. The learning will help RWE npower to develop the products and services that consumers will demand as the UK transitions to a low carbon economy.

<b>Organisation Name</b>	Joule Centre
<b>Relationship to DNO (if any)</b>	None
<b>Type of Organisation</b>	Educational, research and development organisation.
<b>Role in Project</b>	To undertake the role of lead external collaborator for the capture and dissemination of knowledge and learning to all key stakeholders.
<b>Prior experience brought to Project</b>	The Joule Centre for energy Research & Development is a partnership of North West Universities, commercial organisations and other stakeholders associated with the energy industry. It has emerged out of the complimentary strengths of the participating organisations across a range of disciplines and energy areas, with extensive experience in developing, capturing and disseminating knowledge and learning.
<b>Funding</b>	The Joule Centre will commit an agreed number of days effort to the project in support of its goals and objectives.
<b>Contractual relationship</b>	<b>Will the DNO have a contract in place which ensures the External Collaborator complies with the LCN Fund Governance Document?</b> Yes/No A signed Memorandum of Understanding setting out our commitment to the bid.
<b>How funding relates to benefits from Project</b>	The Joule Centre will utilise its extensive reach into educational and DNO organisations to further advance its communications and contacts across these sectors.