Successful Delivery Reward Criteria

Box 13: Please set out your proposed Successful Delivery Reward Criteria

Successful Delivery Reward criterion	Evidence
GIS Module Development Development of a GIS module which can display relevant information acquired through the project from the network monitoring and utilised to improve the understanding of the network. Module development and installation on GIS system to be completed by December 2011 in preparation for extensive monitoring commencing. Functionality developed to be demonstrated to DNOs and other interested parties.	• Develop specification for GIS module, • Integrate GIS module with database which will archive data acquired from the monitoring equipment, • Implement GIS module into main GIS system and demonstrate display of data from monitors, • Create thematic maps showing asset utilisation and other relevant power quality data to demonstrate potential for other parties.
Network Monitoring Installation of monitoring devices within substations, establish connectivity and recording of data acquired from network monitoring devices. From this data, quantify current asset performance in order to influence future decisions. Complete full year of data acquisition and quantify performance by December 2012	• Installation of LV monitoring in all 54 HV/LV substations and establish communication with each site. • Acquire and archive data for analysis for a full year to provide benchmark performance, • Determine actual ADMD and monitor change over time, • Publish analysis of network performance and characteristics from the data acquired through the network monitoring.
Automation and Control Installation of advanced voltage control relays and quantification of the benefits achieved from this device in the form of energy/carbon saved. Publication of recommendations on the future deployment of this technology. Report on findings of technology by September 2013.	• Installation and commissioning of advanced voltage control scheme • Quantify measured 'before' and 'after' electrical losses (kWh) • Evaluate potential for increased Low Carbon Generation and Low Carbon Loads • Report on findings to inform other DNOs
Energy Storage Installation and demonstration of the benefits achieved from energy storage device connected to the Low Voltage network. Quantify the benefits that the storage has provided and publish	• Development of a specification for an energy storage device which can be connected to the LV network, • Procure and install energy storage device on the network and operate for a minimum period of twelve months for analysis,

recommendations for future use by October 2013.	• Quantify the benefits/costs associated with the connection of an energy storage device connected to the LV network in a format that other parties may use, • Recommendations on the future use of such a device.
Community Engagement Develop an effective and focussed community engagement programme with the key partners to assist with the aim of reducing CO2 within the project area. To include measures such as energy efficiency awareness, energy usage, low carbon technology and smart grid benefits. Detail the benefits of the methods used in order that other parties may use the same techniques in future work. Implement engagement programme and develop criteria for measuring success by December 2013.	• Develop community engagement strategy • Undertake community engagement to raise awareness of project and carbon reduction measures with partners • Quantify the benefits achieved from the community engagement to be shared with relevant parties, • Report on findings to inform other DNOs and other interested parties.
Network Analysis and Future Network Recommendations Following the completion of the various technology integration trials, report on the impact of the technologies with recommendations on their future deployment and the carbon benefits realised and projected. Publish recommendations on changes that may be made to design/connections policies as a result of this learning and may be utilised by other parties in future work. Disseminate this knowledge to interested parties by end of December 2013.	• Detailed network models of the trial area • Quantify the capacity of each circuit within the trial area and the potential benefit with the technology being trialled over the course of the project, • Verified models using actual measured data • Clarify business case for technologies deployed • Simulations with increased levels of low carbon technology and load scenarios to explore network issues and test a range of remedial measures • Recommend revised network connection and reinforcement policies • Report on findings to inform other DNOs and other interested parties.