

Innovation Competitions - Full Submission

Supplementary Answer Form

Tick if this answer has been provided verbally: ☐

Project code	ENWT206	Question Number	Q29								
Question date	14 August 2014	Answer date	18 August 2014								
Submission section question relates to	Appendix F										
Topic	Project Partners										
Question	In appendix F, you set out the funding benefits to FLARE provided by each of the project partners. Please expand on the detail provided, explaining how the value of the funding benefits have been calculated and how the benefits will be delivered to the project.										
Notes on question											
Answer	<p>The table below describes how the Partners' funding contribution has been calculated and how the value will be released in the delivery of the FLARE Project.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Project Partner</th><th>Calculated funding benefits to FLARE</th></tr> </thead> <tbody> <tr> <td>ABB</td><td> <p>We will source from ABB two complete I_S-limiter installations and five sensing only I_S-limiter installations and the associated installation and commissioning services. ABB has discounted the cost of these products and services in support of the FLARE project. [REDACTED]</p> <p>[REDACTED] FLARE will benefit from the reduced costs for the products and services and ABB's general involvement and engagement in the delivery of the FLARE Project.</p> </td></tr> <tr> <td>Combined Heat and Power Association (CHPA)</td><td> <p>The CHPA has offered a number of 'free of charge' consultancy days towards the delivery of the FLARE Project. [REDACTED]</p> <p>[REDACTED] FLARE will benefit from the CHPA's involvement as they will bring their knowledge and experience of their industry in the development of the customer survey materials; plus the CHPA will provide legitimacy to the FLARE Project through their endorsement to complete the customer survey and participate in the FLARE Trials for the FCL service.</p> </td></tr> <tr> <td>ENER-G</td><td>ENER-G has offered a number of 'free of charge'</td></tr> </tbody> </table>			Project Partner	Calculated funding benefits to FLARE	ABB	<p>We will source from ABB two complete I_S-limiter installations and five sensing only I_S-limiter installations and the associated installation and commissioning services. ABB has discounted the cost of these products and services in support of the FLARE project. [REDACTED]</p> <p>[REDACTED] FLARE will benefit from the reduced costs for the products and services and ABB's general involvement and engagement in the delivery of the FLARE Project.</p>	Combined Heat and Power Association (CHPA)	<p>The CHPA has offered a number of 'free of charge' consultancy days towards the delivery of the FLARE Project. [REDACTED]</p> <p>[REDACTED] FLARE will benefit from the CHPA's involvement as they will bring their knowledge and experience of their industry in the development of the customer survey materials; plus the CHPA will provide legitimacy to the FLARE Project through their endorsement to complete the customer survey and participate in the FLARE Trials for the FCL service.</p>	ENER-G	ENER-G has offered a number of 'free of charge'
Project Partner	Calculated funding benefits to FLARE										
ABB	<p>We will source from ABB two complete I_S-limiter installations and five sensing only I_S-limiter installations and the associated installation and commissioning services. ABB has discounted the cost of these products and services in support of the FLARE project. [REDACTED]</p> <p>[REDACTED] FLARE will benefit from the reduced costs for the products and services and ABB's general involvement and engagement in the delivery of the FLARE Project.</p>										
Combined Heat and Power Association (CHPA)	<p>The CHPA has offered a number of 'free of charge' consultancy days towards the delivery of the FLARE Project. [REDACTED]</p> <p>[REDACTED] FLARE will benefit from the CHPA's involvement as they will bring their knowledge and experience of their industry in the development of the customer survey materials; plus the CHPA will provide legitimacy to the FLARE Project through their endorsement to complete the customer survey and participate in the FLARE Trials for the FCL service.</p>										
ENER-G	ENER-G has offered a number of 'free of charge'										

		<p>consultancy days towards the delivery of the FLARE Project. [REDACTED]</p> <p>[REDACTED] ENER-G's involvement will benefit FLARE in the following ways, as ENER-G will:</p> <ul style="list-style-type: none"> • bring their knowledge and experience of their industry to the development of the customer survey materials; • act as a trusted third party endorsing their customers' involvement in completing the customer survey and participation in the FLARE Trials for the FCL service; and • assist in the creation of the retrofit techniques for CHP plant to be able to deliver a FCL service.
	Kelvatek	<p>We will source from Kelvatek six sets of monitoring equipment (two TOTUS [ie Dissolved Gas Analysis] units and four PROFILE [ie circuit breaker timing test] units) for evaluating the asset health of transformers and circuit breakers. Kelvatek has discounted the cost of their products in support of the FLARE project and [REDACTED]</p> <p>[REDACTED] FLARE will benefit from the Kelvatek's involvement as they will bring extensive knowledge and experience in the condition monitoring of electrical equipment.</p>
	Parsons Brinckerhoff	<p>We will source technical support services from Parsons Brinckerhoff for the delivery of the FLARE Project. Parsons Brinckerhoff has discounted the cost of these services in support of the FLARE project. [REDACTED]</p> <p>[REDACTED] Parsons Brinckerhoff's involvement is wide-ranging across the Technology, Trials & Analysis and Customer Workstreams supporting Electricity North West in all FLARE's technical aspects; for example Parsons Brinckerhoff will calculate the protection settings for the Adaptive Protection and FCL service and they will evaluate whether the techniques operate as expected when a fault occurs. FLARE will benefit from the involvement of Parsons Brinckerhoff in the following ways:</p> <ul style="list-style-type: none"> • Parsons Brinckerhoff will assist in satisfying the concerns and issues raised in their report on I_s-limiters in 2007; • With WPD's agreement their involvement in the FlexDGrid Project enables Parsons Brinckerhoff to shape the outputs of the Projects so that they can be easily compared; • Parsons Brinckerhoff brings unprecedented knowledge and experience in distribution system design, planning and operation.
	United Utilities	<p>FLARE provides United Utilities an opportunity to help demonstrate a new commercial service at a time when they are innovating to reduce their very large operational costs through programmes such as energy efficiency and ancillary services provision to third parties. United Utilities has agreed to forego payment for trialling the FCL service on a large motor at one of their operational sites. FLARE will benefit from the involvement of United Utilities in the following ways:</p> <ul style="list-style-type: none"> • Participation in the development of the customer survey; • Assist in the drafting of the retrofit methodology for amending the protection system on electrical motors; and • Trial the FCL service with a large electrical motor.

Attachments	
-------------	--