*Innovation Competitions - Full Submission*

*Supplementary Answer Form*

Tick if this answer has been provided verbally:

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| Project code | ENWT206 | Question Number | Q31 |
| Question date | 14 August 2014 | Answer date | 18 August 2014 |
| Submission section question relates to | Section 2 | | |
| Topic | Project description | | |
| Question | Will all three methods be available at each substation that has FLAT? If not, how will ENW select which methods are appropriate for each substation? | | |
| Notes on question |  | | |
| Answer | The Fault Level Assessment tool will sit at the NMS level and continually assess fault levels on the designated Trial networks.  Only one fault level mitigation technique will be installed in each substation on the Trial area.  The site selection methodology described in Appendix B2 explains the approach for selecting the sites for each fault level mitigation technique, ie we used the list of substations with a potential fault level issue. Any of the sites can have any of the techniques applied but to select sites for the project we considered the age of the equipment and any physical constraints to cover all the installation methods whilst ensuring successful delivery of the FLARE Project.  The business as usual decision on which fault level mitigation technique to apply is contingent on:   * which fault level issue needs to be addressed (note, we highlighted in Section 2.2 of the Full Submission the three fault level issues of through fault withstand, fault breaking capacity and fault making capacity and our answer to question 33 explains in more detail which technique is suitable for the differing fault level issues); * the age and capability of the existing assets; and * the fault level mitigation option (including the FLARE and FlexDGrid solutions) that can be applied to address the issue at the lowest cost. | | |
| Attachments |  | | |