NIA ENWL029
A Statistical Model for Determining Cut Out Failures

Progress Report

31 July 2022

VERSION HISTORY

Version	Date	Author	Status	Comments
V1.0	27/07/2022	B Ingham	Final	

REVIEW

Name	Role	Date
Lucy Eyquem	Innovation PMO Manager	29.07.22
Ben Ingham	Innovation Technical Manager	22.07.22
Victoria Turnham	Head of Network Innovation	25.07.22

APPROVAL

Name	Role	Date
Steve Cox	DSO Director	29.07.22

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GLOSSARY

Term	Description
	Electricity North West NIA PPR/ENWL029/A statistical model for determining cut out failures/31 July 2022

1   PROJECT FUNDAMENTALS

Title	Interface
Project reference	NIA_ENWL029
Funding licensee(s)	Electricity North West Limited
Project start date	July 2021
Project duration	1 year 6 months
Nominated project contact(s)	(innovation@enwl.co.uk)

2   PROJECT SCOPE

 The project will carry out the following:

Examine existing ENW data around cut out failures, along with publicly available manufacturer data and use this to create a statistical model of cut out failure modes. If required a forensic analysis of around 100 units from the ENW license area will be carried out and used to further refine the model.

3   OBJECTIVES

To create a statistical model around cut out failure modes

To refine the model following the forensic examination of around 100 units

4   SUCCESS CRITERIA

A statistical model of cut out failure modes produced to help inform the asset replacement strategy

5   PERFORMANCE COMPARED TO THE ORIGINAL PROJECT AIMS, OBJECTIVES AND SUCCESS CRITERIA

To date the project has collated the available data via liaising with manufacturers and several workshops with various stakeholders in Electricity North West. During these workshops additional data sets were identified, however due to the nature of them a revision to the data protection process was required. This is currently in progress, but the additional data is expected to add value to the project. The project has also produced it's first deliverable in the problem definition report.

The next steps for the project are to begin analysing the data sets and to look to being constructing the initial model. Once work on this is progressing the initial results should inform the project if there is a need to carry out the forensic examinations of failed units.

6 REQUIRED MODIFICATIONS TO THE PLANNED APPROACH DURING THE COURSE OF THE PROJECT

There have been no changes to the planed approach as yet

7 LESSONS LEARNED FOR FUTURE PROJECTS

The key lesson so far has been that it is important to identify the available data and any data protection requirements early so appropriate measures can be but in place.

8 THE OUTCOME OF THE PROJECT

Not applicable.

9 DATA ACCESS

Electricity North West's [innovation data sharing policy](#) can be found on our website.

There has been no data gathered so far during the project.

10 FOREGROUND IPR

None

11 PLANNED IMPLEMENTATION

Not applicable.

12 OTHER COMMENTS

Not applicable.