

Can we prevent outages from new connections?

EIP048

28 February 2023

Background

- Ambitious targets over the coming years with a surge in renewable energy in the North of Scotland
- Significant complexity in constructing a network to facilitate this demand in new connections
- A need to minimise disruption for customers and communities and keep costs low for all
- As part of overall developments, outages are required to enable safe connections
- Outage period can be prolonged, bringing with it considerable disruption
- Across all capital projects, seeking new methods/solutions to either minimise outages or negate the need for them completely

Enablers and Constraints

Enablers

- Consideration has been given around temporary solution for protection equipment
- Investigations have been ongoing into the concept of pre-made solutions that reduce programme times and reduce overall outage requirements
- Solutions are known around upgrading OHL structure heights to enable greater capacity
- Dynamic Line Rating project well under way that are exploring the need to reinforce the network and thus preventing outages

Involvement and Implementation

Key Stakeholders

- Electricity Network Operators – Asset Management / Operations / Policy
- Renewable Generators – Wind / Solar / Hydro
- Core supply chain partners – Construction / OEM

Target Market

- Transmission Owner
- Distribution Network Operators

Target Implementation Date

- Renewable schemes continue to grow and with it time constraints, so the challenge exists now and solutions are required immediately

Energy Innovation Basecamp

28 February 2023
ICC Birmingham

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Participant joining code
[Slido.com](https://www.slido.com)

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