

## Introduction:

UK Power Networks (UKPN) has reviewed the report as part of WP6; *M4 Peer Review Report*, provided by Electricity North West Limited (ENWL) regarding a proposed process. This report outlines the findings and suggestions made by UKPN after reviewing the ENWL report.

### 1. Installation of PV array across multiple domiciles

It was highlighted that each house likely has a separate electricity supply, and they are electrically separate and segregated in most cases. Adding another supply that provides an electrical path across the roof and potentially into each house would require further investigation.

#### Proposed Suggestions:

- Conduct further investigation into the implications of adding another electrical supply across the roofs of multiple houses.
- Utilize LV design, earthing design, and other relevant policies from the host DNO to stress-test the concept.
- Engage connections engineers to assess the feasibility of connecting the proposed concept to the network within the existing design policy framework.

### 2. Vectorised map base

In some areas within the UKPN license area, the mapbase and record plans are still being digitized. This ongoing digitization process may impact the suggested process outlined in the ENWL report. During the test stages of the project, this issue could be mitigated by selecting test locations within areas that have already been digitized.

#### Proposed Suggestions:

- Consider Test Locations: During the testing phases of the project, prioritize selecting test locations that are within areas that have already been digitized to minimize potential disruptions.
- Future Considerations: If the project proves successful and transitions to business as usual, bear in mind the ongoing digitization process and its potential impact on the suggested process outlined in the report.

### 3. 10% LCT rule requiring deployment of monitoring

UKPN highlighted the requirement to deploy monitoring equipment in accordance with the 10% Low Carbon Technology (LCT) rule. While UKPN has an approved device for deployment, questions arose regarding data transmission, storage, access control, and purposes of data usage. Additionally, logistical challenges associated with providing, installing, and deploying LV monitoring at scale were raised, with plans to address these aspects at a later stage of the project.

#### Proposed Suggestions:

- Ensure monitoring equipment adheres to API requirements and addresses concerns regarding data transmission, storage, access control, and usage purposes.
- Evaluate the feasibility and associated costs of modifying LV customer supplies and earthing policies.
- Communicate any required modifications to stakeholders and assess the implications on the project timeline and budget.