

Can we improve our cable-laying methods (11kV & LV)?

EIP013

28 February 2023

Background

- Achieving Net Zero will require significant upgrades to the capacity of electrical distribution networks.
- Overlaying underground cables using existing trench-digging techniques is likely to prove time-consuming, expensive and disruptive to customers, especially in urban areas.
- We seek ways to upgrade our underground cable network quickly, cost-effectively, and with minimal disruption; this includes excavation, installation and backfilling.

Enablers and Constraints

Enablers

- The Alternative Cable Installation Method project aimed to find newer way to have longer distribution cables with fewer joints.
- The Mini-Mole project aimed to safer, less disruptive and more resource efficient ways of repairing and replacing LV and Service cables, using moles to dig between two pits to avoid open trenches.

Constraints

- The dimensions for cable trenches vary based on the rating, location and type of cable, and there are specific requirements for depth within agricultural areas.

Involvement and Implementation

- **Key Stakeholders** - Operational teams within NGED, all other DNOs and potentially other utilities.
- **Target Market** - Operational teams within NGED, all other DNOs and potentially other utilities.
- **Target Implementation Date** – April 2024

Energy Innovation Basecamp

28 February 2023
ICC Birmingham

#Basecamp28

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

Can we improve our cable-laying methods (11kV and LV)?

