

11kV Connection to Arkleby House

Customer: Universal Renewables 

DNO: ENW 

Location: Arkleby House, Wigton, CA7 2BP

This connection requirement was for the installation of a 1550m 11kV cable route to enable a wind turbine to be connected to the ENW existing infrastructure. GEW2 had a strict deadline for completion and managed to secure the connection within the given timescale. GEW2 has supported the customer through many route changes and difficult obstacles which were overcome. GEW2 was able to secure many road closures to allow for the works in the public highway and through the bridge.

The challenges of this project included the findings of rock within our direction drill across the river, this required a rock rig to carry out the works needed. We also had issues arise with a bridge crossing in which GEW2 worked alongside Network rail to determine the best route and managed to install the cable within the highway under the bridge without issues.

GEW² 



1550m Route from POC to Substation

Scope:

- Supply and Installation of a 1550m Cable run through customer land, third party land, public highway/verge, directional drill across the river, and bridge crossing.
- Excavation through rock using a rock rig required for the directional drill
- Section 50 Applications and permits
- Coordination with Network rail to allow for works under the bridge
- Supply and Installation of an ENW RMU and 3 way LV distribution board
- HV Jointing
- HV cable termination into the ENW Substation
- Final substation testing and commissioning including handover package to ENW

Schneider 11kV Switchgear



ENW Substation

