

# 33kV Connection to Bradford Manor Solar Park

Customer: Lightsource Renewable Energy

DNO: Western Power Distribution

Location: Pyworthy, Devon, UK

This project included detailed planning, interaction with the local parish & county council representatives and logistical facilitation through the Pyworthy area including the farmland rented by the solar park.

This common connection proved to be challenging due to extremely short lead times imposed by the customer's generation connection deadline. The awful flooding of the south west during the construction phase proved extremely trying to our team.

GEW2 recovered from the delays caused by the weather via its ability to provide the additional civil and jointing teams required. Which ensured that the connection deadline was met and the customer secured the require generation tariff to keep the scheme financially viable.

GEW<sup>2</sup> 



**33kV Siemens Switchgear with the overcurrent protection and surge arresters**

## Scope:

- 33kv design to WPD specification
- Supply, delivery and installation of 33kV Switchgear
- Management of the WPD intake switchgear room construction
- Excavation, lay and reinstatement of 3,300 meters along the cable route through carriageway and agricultural land
- Single duct 3 cable pull (9,900 meters)
- Cable terminations onto the switchgear from DNO and customer sides
- WPD intake substation earthing
- Cable jointing, cable terminations and cable testing
- DNO liaison and connection coordination
- Legal support through easement and lease process
- Public relations
- Project management

## 33kV Over-head Line Connection to WPD network



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