

CONSTRUCTION METHOD STATEMENT

SOLAR PHOTOVOLTAIC INSTALLATION

LAND AT HALVASSO THAT WAS FORMERLY BOUNDIS FARM,
CORNWALL, TR10 9BX

DOC REFERENCE: Land at Halvasso that was formerly Boundis Farm

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1 INTRODUCTION

This Construction Method Statement has been prepared in support of a planning application for a 2.75MW Solar Farm at Land at Halvasso that was formerly Boundis Farm, Cornwall, TR10 9BX

The site is approximately 10.79ha in size.

A detailed description of the proposed solar farm is provided in the accompanying Planning and Design and Access Statement.

2 PARTIES INVOLVED

- The planning application is being submitted by Lightsource Renewable Energy.
- The landowner is Mr Phillip Blease
- The EPC (Engineering, Procurement and Construction) firm to build the site is still to be finalised.

3 SITE ACCESS

The site is accessed via an unnamed road to the west of the site, as shown below in the aerial map. The site is outlined in red and the site access is shown in blue.



The access will be the sole access to the site during the construction period and for the limited access required when the site is operational. No vehicle parking, loading or unloading will take place within the public highway.

All routes will be kept free of obstacles and trip hazards during the period of installation.

On completion of the works, the access route will be made good from any damage caused by construction movement.

4 DELIVERIES

The delivery of the components to the site will require approximately 34 HGV truckloads in total, or roughly a maximum of 3-4 per day.

During the construction and deconstruction phases, traffic movement to and from the site will be kept to a bare minimum with deliveries proposed during daylight hours, but avoiding peak traffic times, i.e. avoiding rush hours and before and after school pick up/drop off times.

The total construction period is typically 10-12 weeks, depending on weather.

We will also discuss a timetable of works with BF Adventure to work out an approximate schedule of when deliveries can be expected to avoid disruption.

5 PLANT EQUIPMENT

Plant equipment would include but not be limited to the following:

Equipment	Primary Function
JCB Diggers	Trenching
Dump Trucks	Earth Removal
Vibrating Roller	Compacting access track (if in scope)
Piling machine (s)	Ramming piles
Telehandler (s)	Distributing materials
Crane	Capable of lifting MW blocks into place (equivalent of 15 tonne shipping container)
Fuel Bowser	Refuel plant as required

6 PROCESS

During the construction period the following activities will be undertaken:

- Site preparation will involve mowing the site if required and marking out the site;
- Erecting the security fence;
- Piling the frames into the ground;
- Affixing the panels to the mounting frames;
- Trenching for the cable runs to a depth of approximately 1m, and laying cables;
- Pouring the concrete base for the Central Inverters;
- Installation of the Central Inverters
- Connecting all the cables up and backfilling the cable trenches;
- Construction of swale as indicated in the Layout Plan.

7 WASTE

The specialist EPC hired to construct the solar farm will ensure that all waste is disposed of responsibly from the site.

The potential waste generated during the construction process will primarily be related to packaging, and will include:

- The pallets that the solar panels are packaged in. These will be either wood crates, or cardboard boxes. These will be removed from the site on a regular basis. If they arrive on wooden pallets – then these will be returned to the manufacturers. If they arrive packaged in cardboard boxes, then these will be removed from site on a regular basis, either through a hired skip, or through trips to the local recycling station.
- Packing materials for various components, such as screws, cabling, and mounting frames. Any non-recyclable waste will be stored in a skip for regular removal to an appropriate landfill.
- Food waste from workers. Personal rubbish will be collected along with non-recyclable packaging materials, for disposal at an appropriate landfill.
- Portable toilets will be hired for the duration of the construction period; therefore there will be no human waste issues.

- The site involves some minor ground works. Excavated soil will be used for backfilling activities. However, if the level of excavated ground exceeds the backfilling requirements, then this soil will be removed and disposed of at an appropriate landfill or sold to a landowner needing additional soil.

8 SECURITY

It is intended that the security fence that will surround the solar farm for the duration of its life will be erected prior to the construction phase of the solar farm, thus ensuring the site is secure during this phase. However, if this is not possible, the site will have 24 hour security on patrol in order to adhere to health and safety regulations as well as prevent crime.

A Health and Safety board identifying potential hazards will be updated daily with all visitors required to sign in and adhere to on-site Health and Safety practices. All personnel working on site will be required to wear a high visibility vest or jacket, steel cap boots, and a hard hat as well as any other activity-specific safety wear.

9 STORAGE

No long-term on-site storage is required as the HGVs will provide the materials at regular intervals throughout the construction period as construction progresses, rather than being delivered all in one go.

10 NOISE MANAGEMENT

Contractors will be required to conform to the construction noise code of practice BS 5228.

Noise generating construction and decommissioning works shall be undertaken between 0800 and 1800 Monday to Friday, and 0800 to 1300 on Saturdays, with no noise generating works to be undertaken outside of those hours.

Noise levels during construction and decommissioning will not exceed an LAeq, T noise level of 65 dB 1-metre from the façade of any occupied residential dwelling.

11 AIR QUALITY AND DUST MANAGEMENT

Given the nature of the site, Greenfield, we do not anticipate any significant dust issues to arise.

12 MANAGEMENT AND PROTECTION OF ECOLOGICAL RESOURCES

The site is currently grazing land, which is typically considered to have low wildlife values. Wildlife on site is likely to be concentrated around boundary hedges and trees. There is however the possibility of ground nesting birds being located within the construction area

on the site. The following measures will be employed to manage and protect onsite ecological resources during construction:

- The boundary hedges are to be retained with all works set back from the hedges.
- The security fence will be installed inside the boundary vegetation and all subsequent construction and deconstruction work will take place inside the security fence, thus the construction area will be isolated from any animals traversing the site.
- If the construction works are to be undertaken within the nesting season (March to August), then prior to this the site will be mown regularly to discourage nesting on site. Checks for nesting birds will be undertaken immediately prior to works taking place. If any birds are found to be nesting on the ground in locations where planned works will disturb them, then those works will be delayed until nesting is complete, i.e. when the young have fledged (departed) the nest, or when a nesting attempt has been abandoned. It is likely that 1 month would be the maximum period works in any area would need to be delayed if birds are found to be nesting on the ground.
- Pre-construction badger checks will also be undertaken to ensure that baseline conditions remain the same and that no new setts have been excavated in the interim.