



Longfield Solar Farm

Technical Note for Video for the Accompanied Site Inspection in
December

Document Reference : EN010118/EX/8.19

Revision : 1.0

November 2022

Longfield Solar Energy Farm Ltd

APFP Regulation 5(2)(q)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and Procedure)
Regulations 2009

Table of Contents

1.	Introduction.....	1
1.1	Overview	1
2.	Technical Information	2
2.1	Overview	2
3.	Description of Video	3
3.1	Written description of video.....	3
4.	Data & Accessibility Compliance	5
4.1	Accompanying Documents	5

1. Introduction

1.1 Overview

- 1.1.1 This Technical Information document has been prepared on behalf of Longfield Solar Energy Farm Ltd (the 'Applicant') to accompany the 3D model video footage issued to the Planning Inspectorate ('PINS'). It relates to the Application (the 'Application') for a Development Consent Order (a 'DCO'), that has been submitted to the Secretary of State for Business, Energy and Industrial Strategy, under section 37 of 'The Planning Act 2008' (the 'PA 2008').
- 1.1.2 This document sets out the technical information in relation to the 3D model video footage of the Site provided, as suggested by the Examining Authority in the Preliminary Meeting on the 18th of July. In this preliminary meeting, the Examining Authority said:
- "12:26 - I'd like to say a few words about site inspections. Normally, I would undertake an accompanied and unaccompanied site inspection before holding this meeting. However, I'm mindful that there may be some scope to limit a future accompanied site inspection. By undertaking a more detailed and widespread and accompanied inspection at a later date the normal site requested you'll see in the rule six letter, I've requested suggestions [at] deadline one from interested parties and the applicant for locations that could be undertaken on an unaccompanied basis. And then I'll be able to assess how much of those locations sort of need to be dealt with on an accompany basis as we move through the examination. And while I'm prepared to carry out and accompany that site inspection. Mr. GRIFFITHS? It has been useful in other examinations for things like 360 degree photography, or drone footage to be used in place of an accompany site inspection for areas and sites that are not normally accessible or easily accessible, or otherwise visible from the public realm. So that's something you might want to give some thought to when responding to the request that deadline one. That's really all I wanted to say about the examination process."*
- 1.1.3 To respond to this statement, the Applicant has prepared a video which this note describes. The purpose of this video is to show a virtual flyover of the proposed site.
- 1.1.4 The Applicant has provided a separate Data Protection Impact Assessment to PINS setting out the measures taken to ensure personal data is not shared with the video footage. Crucially, the video has been produced from a 3D model using publicly available data. The video has not been made from drone footage, so there is no risk of data protection infringement, either for vehicles, individuals, or residential properties
- 1.1.5 This document is not envisaged to be an examination document but may be published by PINS.

2. Technical Information

2.1 Overview

- 2.1.1 This section sets out some technical information to describe the video of the proposed site provided to the Examining Authority.
- 2.1.2 The video was produced using proprietary software from a 3D model supplier called 3dwtech. This supplier works across multiple projects on behalf of EDF and Joint Venture projects such as Longfield Solar Energy Farm Ltd. ([3DW : Developers of interactive 3D solutions and multimedia... - 3DW \(3dwtech.co.uk\)](#))
- 2.1.3 The data within this 3D Model was derived from OS5 Terrain data ([OS Terrain 5 DTM - data.gov.uk](#)), 1m Aerial imagery, and dwg data of the site boundary (order limits) as produced by other consultants employed by the applicant.
- 2.1.4 Other technical features of this video include:
- The Video was created using the following software: Adobe Premiere and Adobe After Effects
 - The “flying” route shown in the video is approximately 19km long
 - The video is 3 minutes in total duration
 - The virtual height above ground maintained shown in the video is at 400m (+/- 5m)
- 2.1.5 The direction the virtual camera is facing is due north (+/- 10 degrees) throughout the entirety of the video

3. Description of Video

3.1 Written description of video

- 3.1.1 This section of the note describes the view and image shown in the video at selected time stamps taken from the video produced to assist the Examining Authority in the Accompanied Site Inspection in December 2022.
- 3.1.2 At 00.00.00 – The video starts in the furthest South-East corner of the order limits of the proposed development. At 00.00.00 Boreham Interchange is shown on the video. Further North, (with reference to 1.2.8) the section of project order limits which facilitates access to Bulls Lodge Substation from generals lane visible.
- 3.1.3 At 00.00.05 – The new Beaulieu Parkway Junction is captioned. This is a new junction with the Radial Distributor Road which is under construction. This junction will facilitate access to the Bulls Lodge Substation extension works (work no.5, and work no.7b). The junction will also facilitate access to some aspects of work no.4 (the 400KV cable route which connects the main site of Longfield Solar Farm to Bulls Lodge Substation extension.)
- 3.1.4 At 00.00.17 Bulls Lodge Substation is captioned. This is the location proposed to export low carbon electricity produced by the scheme onto the National Grid.
- 3.1.5 At 00.00.18 The A12 road is captioned. This road is approximately 200m South of Bulls Lodge Substation.
- 3.1.6 At 00.00.27 Waltham Road is captioned. No HGV traffic will use this road in the construction of the scheme – all HGV traffic will access the scheme via Wheelers Hill/Cranham Road.
- 3.1.7 At 00.00.33 the proposed site for the BESS (Battery Energy Storage System) is captioned. This site is within an area titled PDA 31. PDA stands for Potential Developable Area, and represent parcels of land within the Solar PV Array Works Area. These areas are numbered to locate the parcel within the Scheme as shown on the Works Plans. They are numbered 1-31, excluding 24 & 25. Further project definitions are captured in the **Glossary of the Environmental Statement [EN010118/APP/6.1]**.
- 3.1.8 At 00.00.53 the boundary of the site is captioned, with the words “Eastern Boundary – continued agricultural use”. This is shown on PDA 27. This caption has been included to demonstrate the new field boundary at the east of the scheme in PDA 27. This field boundary has been developed with close liaison with the landowner, to ensure that the field which is viable for cropping is retained in agriculture.
- 3.1.9 At 00.01.17 Sandy Wood is captioned. This wood is situated North East of the northern most PDA – PDA 1.
- 3.1.10 At 1.21 the River Ter Valley is captioned. This is an area of natural beauty where no PV or permanent development is planned. The fields surrounding the River Ter Valley are secured as Work no.10, and the scheme will employ biodiversity management and enhancement to this area. This is shown in the **Works Plans [EN010118/APP/2.2(B)]**.

- 3.1.11 At 00.01.35 Waltham Road is captioned. This section of Waltham Road/Boreham Road will not be used by any construction vehicles and the site will be well screened from the road, as shown in the planting proposals in the **Outline Landscape and Ecological Management Plan (OLEMP) [EN010118/APP/7.13(B)]**.
- 3.1.12 At 00.01.38 Scarletts Farm is captioned. This solar site has been sensitively designed around this farm dwelling, as shown in the areas of work no.10 which enforce development set-back from the building, shown in the **Works Plans [EN010118/APP/2.2(B)]**.
- 3.1.13 At 00.01.18 Noakes Lane is captioned. This lane will not be used by any construction traffic, aside from as a crossing point for vehicles and staff passing from the North-East of the site into PDA 11.
- 3.1.14 At 00.01.53 the Main Site entrance is captioned. This is the point of the site which all construction vehicles will use for accessing the site. The routing of these vehicles is shown in the **Framework Construction Traffic Management Plan [EN010118/APP/6.2(C)]**.
- 3.1.15 At 00.01.59 Cranham Road – Road widening is captioned. Wheelers Hill/Cranham Road will require minor widening works to ensure that construction vehicles can safely pass one another when driving to or from the main site entrance. These widening works are as described in the **Framework Construction Traffic Management Plan [EN010118/APP/6.2(C)]**.
- 3.1.16 At 00.02.14 Waltham Road is captioned again. There will be no construction traffic using this section of Waltham Road. The routing of these vehicles is shown in the **Framework Construction Traffic Management Plan [EN010118/APP/6.2(C)]**.
- 3.1.17 At 00.02.15 Stocks Farm is captioned. This dwelling is appropriately shielded from development, as shown in the work no.10 set-back in the **Works Plans [EN010118/APP/2.2(B)]**.
- 3.1.18 At 00.02.30 Waltham Road is captioned again. There will be no construction traffic using this section of Waltham Road, aside from a limited number of vehicles passing from East to West directly over Waltham Road, in order to access the cable route for construction. The routing of these vehicles is shown in the **Framework Construction Traffic Management Plan [EN010118/APP/6.2(C)]**.
- 3.1.19 At 00.03.01 the video finishes, having passed back down to the South-West Corner of the site by Boreham Interchange. This is back to the location where the video started.

4. Data & Accessibility Compliance

4.1 Accompanying Documents

4.1.1 The Applicant has complied with all data and accessibility regulations when preparing this video and accompanying note. The Applicant has shared separately with the planning inspectorate the following documents:

- a) Planning Inspectorate Video Submission Proforma
- b) Longfield Solar DPIA (Data Protection Impact Assessment)

These documents reaffirm that there was no personal data contained within the 3D model, and all data within that model was obtained from publicly available sources, aside from the proposed project order limits. These proposed project order limits do not contain any personal data and are visible as a red line boundary which encompasses the area in which the proposed development would occur.

Because of the above data types and usages the applicant considers that there was no high-risk data processing involved in the production of this model.