



# Botley West Solar Farm

Change Request 2: ES Addendum

September 2025

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## Approval for issue

Jon Alsop

12 September 2025

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## Glossary

Abbreviation	Meaning
BNG	Biodiversity Net Gain
DCO	Development Consent Order
EIA	Environmental Impact Assessment
ES	Environmental Statement
NGET	National Grid Electricity Transmission
NSIP	Nationally Significant Infrastructure Project
OUV	Outstanding Universal Value
PRoW	Public Right of Way
PV	Photovoltaic
PVDP	Photovolt Development Partners
WHS	World Heritage Site

## Units

Unit	Description
kV	Kilovolt
MW	Megawatt
m	Metre

# 1 Introduction

## 1.1 The Project

- 1.1.1 The Applicant is seeking development consent for Botley West Solar Farm (the 'Project'), which in summary will comprise the construction, operation, maintenance and decommissioning of a photovoltaic ('PV') solar farm and associated infrastructure with a total capacity exceeding 50 megawatts ('MW'), in parts of west Oxfordshire, Cherwell and Vale of White Horse districts. The Project will export electricity for connection to the National Grid at Botley West.
- 1.1.2 The Project is classed as a 'nationally significant infrastructure project' ('NSIP') for the purposes of the Planning Act 2008 (PA 2008) and requires an application for a Development Consent Order (DCO). Photovolt Development Partners (PVDP), on behalf of SolarFive Ltd (the 'Applicant'), submitted its application for a DCO for the Project on 15 November 2024 (the 'DCO Application'). The DCO Application was accepted for examination by the Planning Inspectorate on 13 December 2024.

## 1.2 Proposed Changes to the Project

- 1.2.1 Following the submission and acceptance of the application for development consent, the Applicant has continued to engage with affected landowners and key stakeholders. This has resulted in a number of proposed changes in order to, amongst other things, alleviate concerns in relation to environmental effects and to reduce land take where suitable alternative proposals are available.
- 1.2.2 These proposed changes are the subject of a change request. They are summarised in **section 2** of this ES Addendum, with further detail provided in the Change Request Report [EN010147/APP/16.2], which is provided alongside this addendum.

## 1.3 Purpose of this Report

- 1.3.1 Environmental Impact Assessment (EIA) was undertaken for the Project in accordance with the requirements of the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017, as amended. This document provides an addendum to the Botley West Solar Farm Environmental Statement (ES).
- 1.3.2 This ES Addendum reviews the implications of the proposed changes to the Project for each topic considered within the EIA process. It details whether any new or materially different significant environmental effects would arise as a result of the proposed changes.
- 1.3.3 In addition, it provides an updated list of those ES documents, making clear which documents are replaced or updated.
- 1.3.4 This ES Addendum does not constitute 'further information' for the purposes of the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (the 'EIA Regulations') (Ref 1-1). This is because the proposed changes are not likely to result in any new or different significant effects, such that it is not relevant to the Examining Authority's ability to reach a reasoned conclusion on the significant effects of the Project (as per Regulation 3 of the EIA Regulations).

## 1.4 Structure of this Report

- 1.4.1 This ES Addendum has been structured to allow relevant environmental information to be easily accessible. Details of the proposed changes are provided in **section 2**. **Sections 3 to 13** consist of a review of the proposed changes on a topic-by-topic basis as shown in **Table 1.1**.
- 1.4.2 Each section makes reference to the ES submitted as part of the application (together with any updates submitted during the Examination), where relevant, and does not seek to replicate the information already provided.

**Table 1.1: Structure of the ES Addendum**

Section	Details
1	Introduction to the ES addendum, including details of its purpose and structure.
2	Description of the proposed changes to the Project.
3 - 17	Review of the proposed changes in relation to the topic chapters of the ES: <ul style="list-style-type: none"> <li>• Section 3: Proposed Change 1</li> <li>• Section 4: Proposed Change 2</li> <li>• Section 5: Proposed Change 3</li> <li>• Section 6: Proposed Change 4</li> <li>• Section 7: Proposed Change 5</li> <li>• Section 8: Proposed Change 6</li> <li>• Section 9: Proposed Change 7</li> <li>• Section 10: Proposed Change 8</li> <li>• Section 11: Proposed Change 9</li> <li>• Section 12: Proposed Change 10</li> <li>• Section 13: Proposed Change 11</li> </ul>
14	Summary and conclusions.



## 2 Description of the Proposed Changes

### 2.1 Introduction

2.1.1 This section sets out each of the proposed changes to the Project. Further details are provided in the Change Request Report [EN010147/APP/16.2], which is provided alongside this ES Addendum.

### 2.2 Overview of the Proposed Changes

2.2.1 A summary of the proposed changes is provided in **Table 2.1** below.

**Table 2.1: Summary of Proposed Changes (all areas approximate)**

No	Summary Description	Summary of Rationale	Solar Installation Area Change	Order Limits Change
1	Reduction in Order Limits boundary to reduce the solar installation area south west of Bladon and removal of solar arrays on land east of Bladon and on land north of Heath Lane.	To protect the setting of the Blenheim Palace World Heritage Site (WHS), in response to feedback received from Interested Parties, including Historic England.	42.3 hectares (reduction)	31 hectares (reduction)
2	Reduction in Order Limits boundary to reduce the solar installation area near to Oxford Airport.	In response to concerns expressed by Oxford Airport regarding the safe operation of their airfield.	40.8 hectares (reduction)	46.55 hectares (reduction)
3	Refinement of Project layout and design to reposition the main Project substation and secondary substation.	To consider a Project layout option that would better accommodate the National Grid substation being located outside the Project Order Limits.	None	None
4	Reduction in Order Limits boundary to reduce the solar installation area on land east of Lower Road.	Due to a restrictive covenant on land east of Lower Road.	6.26 hectares (reduction)	11.78 hectares (reduction)
5	Refinement of Project layout and design to remove solar installation areas overlapping with Flood Zones 2 and 3.	The Applicant is committed to not develop within Flood Zone 2 or 3. Amendment to accommodate base mapping anomaly.	0.72 hectares (reduction)	None
6	Refinement of Project layout and design to include an additional solar installation area within the Southern Site.	Change in Environment Agency mapping of parts of Flood Zone 2. Area previously excluded from development. The Applicant now wishes to utilise this area for additional solar array as a result of the change in Flood Zone status.	2.41 hectares (increase)	None
7	Reduction in Order Limits boundary to remove small parcels of land owned by Oxfordshire County Council (Estates).	To refine the Order Limits so that these sections of the Order Limits only include the extent of the public highway (i.e. land of Oxfordshire County Council in its capacity as highway authority) and do not involve land owned by	None	0.005 hectares (reduction)

No	Summary Description	Summary of Rationale	Solar Installation Area Change	Order Limits Change
		Oxfordshire County Council in its 'Estates' capacity.		
8	Refinement of Project layout and design to reposition the Public Rights of Way proposed to be stopped up and diverted back to definitive alignment.	Following ongoing discussions with Oxfordshire County Council, the Applicant is seeking to adopt the definitive alignments.	0.01 hectares (net increase)	None.
9	Reduction in Order Limits boundary to remove an area of land along Wharf Road.	Following feedback from the landowner (Siemens Healthcare Limited), the Applicant seeks to remove an area of Wharf Road.	None	0.6 hectares (reduction)
10	Clarification of the role of the proposed educational facility.	To confirm that this facility is excluded as part of the Project as it is not supported by the Oxfordshire Host Authorities. The land will now be used for biodiversity net gain (BNG) and other ecology mitigation measures	None	None
11	Refinement of Project layout and design to secure the latest design parameters for the new National Grid substation.	Following engagement with National Grid, amendments to parameters of National Grid substation.	None	None

2.2.2 Further details of each change are provided in turn below. Plans illustrating each change are provided in Appendix A of the Change Request Report [EN010147/APP/16.2].

## 2.3 Proposed Change 1: Reduction in Order Limits boundary to reduce the solar installation area south west of Bladon and removal of solar arrays on land east of Bladon and on land north of Heath Lane

2.3.1 Proposed Change 1 relates to two areas of land near Bladon, including the following.

- To the south west of Bladon, it is proposed to remove a solar installation area along with associated maintenance roads, fences and gates. This would remove a solar installation area of approximately 24.7 hectares. The Order Limits would be amended in this area, removing an area of approximately 31 hectares from the Order Limits.
- To the east of the main settlement at Bladon, east of Grove Road and north of Heath Lane, it is proposed to remove a further solar installation area, along with associated maintenance roads, fences and gates. This would remove a development area of approximately 17.6 hectares. There would be no change to the Order Limits in this area.

2.3.2 The land east of Bladon that would remain within the Order Limits would be retained for meadow grazing and other ecological measures e.g. skylark plots. The community food growing areas, together with the

upgrading of the Public Right of Way that crosses this area, would remain as part of the Project.

- 2.3.3 The primary purpose of this proposed change is to protect the setting of the Blenheim Palace WHS and associated heritage assets, in response to feedback received from Interested Parties, including Historic England.
- 2.3.4 In their Written Representation [REP1-086], Historic England advised that *‘further refinements could avoid much of the harm to the WHS, Blenheim Palace listed building and Registered Park and Garden, by removing solar panel development from the fields marked 2.1, 2.2, 2.5 and 2.20-2.26’* (paragraph 5.56). These changes are being sought to address those concerns expressed by Historic England and comprise the full removal of all solar panels and associated infrastructure from those fields identified by Historic England in its Written Representation. In its response to the proposed changes, Historic England has acknowledged that this amendment has the potential to remove the previously identified harm to the Outstanding Universal Value of the WHS and the significance of the ensemble of the Registered Park and Garden and palace.

## 2.4 Proposed Change 2: Reduction in Order Limits boundary to reduce the solar installation area near to Oxford Airport

- 2.4.1 Proposed Change 2 includes the following.
- On land either side of the A44 Woodstock Road, it is proposed to remove a solar installation area along with associated maintenance roads, fences and gates. This would remove a development area of approximately 40.8 hectares. The Order Limits would be amended in this area, removing an area of approximately 46.55 hectares from the Order Limits.
  - The re-siting of the secondary substation approximately 25-50 m to the north, together with a reduction in height to approximately 5 m, with associated lattice structure lightning rods being no higher than 10.5 m.
  - The re-siting of the temporary construction compound west of the A44 - to be moved through approximately 90 degrees from its current position.
- 2.4.2 The primary purpose of this proposed change is to accommodate discussions with Oxford Airport and their concerns regarding the safe operation of their airfield, with regard to take off and landing of light aircraft. The re-siting of the secondary substation and temporary construction compound are proposed to accommodate the revised layout and removal of land from the Order Limits. The freed-up areas of land will continue to be used for agricultural purposes, managed by the landowner.

## 2.5 Proposed Change 3: Refinement of Project layout and design to reposition the main Project substation and secondary substation

- 2.5.1 The ES considered two options for the provision of the National Grid substation.
- Sheet 13a of the Works Plans [AS-005] identifies the existing layout of

the main Project substation alongside the New National Grid Substation, if the new National Grid substation is to be delivered under the DCO.

- Sheet 13b of the Works Plans [**AS-005**] identifies the layout of the main Project substation and secondary substation and additional solar array, if the new National Grid substation is to be delivered by National Grid on adjacent land to the west beyond the Order Limits. The current layout shows the additional solar array directly in place of the land reserved for the new National Grid substation and the main Project substation remaining to the east of that land parcel.

#### 2.5.2 Proposed Change 3 includes the following.

- Relocation of the main Project substation and secondary substation in the event that the National Grid substation is delivered on adjacent land, as shown on Sheet 13b of the Works Plans (updated and submitted alongside this Change Request). The main Project substation and secondary substation would be relocated to the western side of the land parcel within the Order Limits, closer to where the new National Grid substation may be relocated (just beyond the western edge of the Order Limit in this location).
- Redefining the solar installation area. Whilst the original Project description in Chapter 6 of the ES (**APP-043**) assessed the scenario with the new National Grid substation moved beyond the Order Limits and assumed replacement of the area formerly occupied by the substation with solar arrays, Proposed Change 3 replaces and updates that scenario.
- There would be no change in the Order Limits as a result of this proposed change.

2.5.3 The Applicant proposes a repositioning of the solar array in this area for the scenario where the new National Grid substation is located beyond the Order Limits. Proposed Change 3 would alter the layout of the solar installation but would not change the overall area of solar installation proposed.

2.5.4 The primary purpose of this proposed change would be to allow for a more suitable layout for the delivery of the new National Grid substation on adjacent land to the west, beyond the Order Limits. Relocation of the main Project substation would allow for a shorter, more efficient and more cost-effective cable connection to the National Grid substation. This was recognised by the Examining Authority in the Issue Specific Hearing 1 (on DCO and Strategic Matters) and the Applicant is seeking this change partly in response to that suggestion.

2.5.5 The main Project substation and secondary substation have also been sited to allow for a large landscape planting corridor along the northern edge of the facility, as well as to avoid the existing hedgerow to the east and the proposed Greenway to the west. The landscape buffer on the northern boundary area will be planted with hedgerow and trees to allow for improved screening of the facility. The overall size of the facility will not change but there is a slight stagger in the footprint (for the secondary substation) to accommodate the landscape buffer to the north. The final slab level will be determined following detailed design but the plans

assume a cut and fill balance i.e. no materials or so significant quantities of material taken off site during construction.

## 2.6 Proposed Change 4: Reduction in Order Limits boundary to reduce the solar installation area on land east of Lower Road

2.6.1 Proposed Change 4 includes the following.

- On land east of Lower Road, it is proposed to reduce the Order Limits boundary to remove a solar installation area along with associated maintenance roads, fences and gates. This would remove a development area of approximately 6.26 hectares. The Order Limits would be amended in this area, removing an area of approximately 11.78 hectares from the Order Limits.
- Removal of an indicative 33 kV cable route.
- New hedgerow and tree planting.

2.6.2 The primary purpose of this proposed change would be to avoid any use of the land which is subject to a certain restrictive covenant, to avoid the need to extinguish that restrictive covenant altogether. The Change Request 2 Notification [REP2-045] proposed to reduce the Applicant's powers of solar installation over a large part of the affected land. However, following continued engagement with the beneficiary of the restrictive covenant, the Applicant is aware that this would not resolve their concerns as they wanted the full area to be free from solar installation. On that basis, the Applicant has agreed to reduce the Order Limits to remove all of the affected land from the Project. The proposed solar installation would therefore be removed and part of the 33 kV cable re-routed. The removal of this area from the Order Limits would create a new boundary for the Project in this location. Native tree and hedgerow planting is proposed to form this new boundary.

## 2.7 Proposed Change 5: Refinement of Project layout and design to remove solar installation areas overlapping with Flood Zones 2 and 3

2.7.1 Proposed Change 5 includes the following.

- In nine locations, it is proposed to remove a solar installation area along with associated maintenance roads, fences and gates. This would remove a total development area of approximately 0.72 hectares. There would be no change to the Order Limits as a result of this change.

2.7.2 This would result in a small loss of installation area in several locations, as set out in **Table 2.2**.

**Table 2.2: Removal of Solar Installation Areas as a Result of Proposed Change 5**

Area	Proposed Change	Solar Installation Area Change (all areas approximate)
1	Refinement of Project layout and design to remove installation areas overlapping with Flood Zones 2 and 3.	0.031 hectares (reduction)
2		0.0042 hectares (reduction)
3		0.0066 hectares (reduction)
4		0.43 hectares (reduction)
5		0.0048 hectares (reduction)
6		0.016 hectares (increase)
7		0.0048 hectares (reduction)
8		0.015 hectares (reduction)
9		0.064 hectares (reduction)
<b>Total</b>		<b>0.72 hectares (reduction)</b>

2.7.3 The primary purpose of this proposed change is to resolve a base mapping anomaly. The Applicant has identified minor anomalies where the solar installation slightly overlaps with Flood Zone 2 or 3 throughout the Project site. The Applicant is committed to not develop within Flood Zones 2 or 3 and is therefore proposing to correct this mapping anomaly.

## 2.8 Proposed Change 6: Refinement of Project layout and design to include an additional solar installation area within the Southern Site

2.8.1 Proposed Change 6 includes the following.

- In the Southern Site, west of the A420, additional solar installation area. This would provide an additional development area of approximately 2.41 hectares. There would be no change to the Order Limits as a result of this change.

2.8.2 The primary purpose of this proposed change is that the Applicant has recently become aware of a change in the Environment Agency mapping of parts of Flood Zone 2. In particular, an area within the Order Limits was previously excluded from development because it was within Flood Zone 2. The Applicant now wishes to utilise this area for additional solar array as a result of the change in Flood Zone status (see Appendix 2 of this ES Addendum for technical note, that supports this position).

## 2.9 Proposed Change 7: Reduction in Order Limits boundary to remove small parcels of land owned by Oxfordshire County Council (Estates)

2.9.1 Proposed Change 7 includes the following.

- In three areas, reduction in the Order Limits to remove land owned by Oxfordshire County Council in its 'Estates' capacity. The Order Limits would be amended in this area, removing an area of 0.005 hectares from the Order Limits.



2.9.2 This would result in a small reduction in the Order Limits in several locations, as set out in **Table 2.3**.

**Table 2.3: Reduction in Order Limits as a Result of Proposed Change 7**

Area	Proposed Change	Solar Installation Area Change (all areas approximate)
1	Reduction in Order Limits	0.0022 hectares (reduction)
2		0.0009 hectares (reduction)
3		0.0019 hectares (reduction)
<b>Total</b>		<b>0.005 hectares (reduction)</b>

2.9.3 The primary purpose of this proposed change is to resolve a minor mapping misalignment and ensure that these sections of the Order Limits only include the extent of the public highway (i.e. land of Oxfordshire County Council in its capacity as highway authority) and do not involve land owned by Oxfordshire County Council in its 'Estates' capacity.

## 2.10 Proposed Change 8: Refinement of Project layout and design to reposition the Public Rights of Way proposed to be stopped up and diverted back to definitive alignment

2.10.1 Proposed Change 8 includes the following.

- Removal of solar installation area, fence, maintenance roads and gates for Public Right of Way (PRoW) adjustment in three areas.
- Addition of solar installation area after PRoW adjustment in three areas.

2.10.2 There would be no change to the Order Limits as a result of this change.

2.10.3 This would result in a change in the development area in several locations, as set out in **Table 2.4**.

**Table 2.4: Change in Solar Installation Areas as a Result of Proposed Change 8**

Area	Proposed Change	Solar Installation Area Change (all areas approximate)
1	Addition of solar installation area after PRoW adjustment	0.08 hectares (increase)
2	Removal of solar installation area, fence, maintenance roads and gates for PRoW adjustment	0.09 hectares (reduction)
3	Addition of solar installation area after PRoW adjustment	0.39 hectares (increase)
4	Removal of solar installation area, fence, maintenance roads and gates for PRoW adjustment	0.35 hectares (reduction)
5	Addition of solar installation area after PRoW adjustment	0.51 hectares (increase)
6	Removal of solar installation area, fence, maintenance roads and gates for PRoW adjustment	0.54 hectares (reduction)
<b>Total</b>		<b>0.98 hectares (reduction)</b> <b>0.98 hectares (increase)</b>

- 2.10.4 There would be a net increase of 0.01 hectares of solar installation area as a result of this proposed change.
- 2.10.5 Upon further review of the changes and in light of ongoing consultation, the Applicant also proposes to delete the diversion of the Oxford greenbelt way in addition to the three public footpaths (416/24/10, 132/4/10, 152/8/10), on the basis that the latest datasets that were accessed by the Applicant's GIS team showed an alignment for the Greenbelt Way which does not align with the descriptions and mapping of Oxfordshire County Council. This change is to therefore align with that description/mapping. There is no consequential impact on the solar installation layout or Order Limits as a result of the withdrawal of this proposed permanent stopping up and diversion of the Oxford Greenbelt way. The Applicant has submitted an updated version of the Streets Access and Rights of Way Plans to capture this change.
- 2.10.6 The primary purpose of this proposed change is that the Applicant became aware that there was a difference between the aerial data showing the used footpath routes on the ground and the Oxfordshire County Council definitive data set of their alignment. The data showed that the routes used by the public deviated from the definitive data set alignment. The Applicant therefore sought powers to alter the alignment of the PRoW to reflect the 'desire lines' on the ground. However, following ongoing discussions with Oxfordshire County Council, the Applicant is seeking to remove those powers to adopt the definitive alignments which will result in a change to the submitted plans.

## **2.11 Proposed Change 9: Reduction in Order Limits boundary to remove an area of land along Wharf Road**

- 2.11.1 Proposed Change 9 includes the following.
- Along Wharf Road, reduction in the Order Limits to remove land owned by Siemens Healthcare Limited. The Order Limits would be amended in this area, removing an area of approximately 0.6 hectares from the Order Limits.
  - Repositioning of an indicative 275 kV cable route.
- 2.11.2 The primary purpose of this proposed change is to accommodate discussions with the landowner following continued engagement with the landowner and the request to avoid the use of the area of road being removed. The area of Wharf Road to be removed falls within the landowner's gated area, which is secured and would require notice of entry each time access is required. Furthermore, removing the area would lessen the potential impact on the operations of the site, particularly in respect of vehicular access. The alternative route for the cable is facilitated through the Order Limits, by routing north before the gated area and running parallel in an adjacent parcel of land.

## **2.12 Proposed Change 10: Clarification of the role of the proposed educational facility**

- 2.12.1 Proposed Change 10 relates to the proposed educational area. The proposed change includes the following.



- Clarification of the role of the proposed educational facility. There would be no change in the Order Limits as a result of this change.
- 2.12.2 The proposed community education facility was included in the original application. Further details (including the location, size and scale) of the facility were to be finalised during the detailed design phase and included within the detailed Operational Management Plan (as secured under Requirement 12 of the draft Development Consent Order). This is explained in the Applicant's response to the Examining Authority's Written Question Q1.7.11 submitted at Deadline 2.
- 2.12.3 Whilst the facility was included in the original project, its status was unclear. It was originally conceived following discussion with Oxfordshire County Council as education authority, and the Applicant had assumed there would be no objection to such a facility being provided in principle. However, ongoing engagement has revealed that the local authorities do have concerns. Having considered the details, the OHAs, including Oxfordshire County Council, have concerns with this location including its impact on the Green Belt, landscape impact and access. Oxfordshire County Council Property have also stated that they are not able to take on the maintenance responsibility of such a facility.
- 2.12.4 As such, whilst the OHAs are in favour of provisions being made within the Project design to support outdoor education and recreation, they do not support the education facility as proposed by the Applicant.
- 2.12.5 In light of the above, the Applicant proposes to remove the education facility from the Project and the use the land shown for that purpose (1.15 hectares) for BNG and other ecology measures.

## 2.13 Proposed Change 11: Refinement of Project layout and design to secure the latest design parameters for the new National Grid substation

- 2.13.1 Proposed Change 11 relates to a change in the parameters of the National Grid substation. The implications of these changes, in terms of the environmental effects, are considered within this ES Addendum for the scenario where the National Grid substation remains located within the Order Limits.
- 2.13.2 In the event that the National Grid substation is located adjacent to, but outside of, the Order Limits to the west (as described in Proposed Change 3), the amended substation parameters would represent a cumulative impact in environmental terms. This is considered in the Applicant's response to Deadline 5, in the updated cumulative assessment.
- 2.13.3 The proposed change includes the following.
  - Amendments to the height of the National Grid substation (from 14 m to approximately 15.0 m (14.495 m – measurement provided by NGET)).
  - Footprint of GIS substation building approximately 93 m by 17 m.
  - Adjacent building to GIS measuring approximately 105 m by 10 m, with a height of approximately 4.8 m.
  - Variety of other electrical infrastructure including transformers and connection towers, which will be varying heights but none greater than

approximately 15 m.

- 2.13.4 The area set aside for the new National Grid substation within the application for development consent is up to 3.8 hectares.
- 2.13.5 The parameters for that substation are secured in the Outline Layout and Design Principles [EN010147/APP/7.7].
- 2.13.6 The primary purpose of this proposed change is to accommodate discussions held with National Grid. Based on these discussions, amendments to the National Grid substation parameters are required to ensure that the secured design details adequately facilitate the delivery of the new substation.
- 2.13.7 The refined National Grid substation parameters assessed within this ES Addendum are set out in **Table 2.5**. Note that in some cases, these numbers have been rounded up to the nearest meter from the detailed parameters provided by National Grid, to ensure the assessment captures the maximum parameter and accommodates some limited flexibility in the design.

**Table 2.5: Revised National Grid Substation Parameters**

Parameter Type	Approximate Parameter
Site area	3.8 hectares
Height of main GIS building	15 m
Main GIS building footprint	93 x 17
Adjacent building footprint	105 x 10 m
Adjacent building height	4.8 m
Sound power level	95 dB(A)

- 2.13.8 This change will not result in alterations to the Order Limits.

## **3 Review of Environmental Assessment: Proposed Change 1**

### **3.1 Introduction**

- 3.1.1 This section of the ES Addendum reviews the implications of Proposed Change 1 in relation to the assessment of environmental effects.
- 3.1.2 It details whether any new or materially different significant environmental effects would arise as a result of the proposed changes.

### **3.2 Review of Environmental Effects**

- 3.2.1 **Table 3.1** reviews the implications of Proposed Change 1 for the assessment of effects.
- 3.2.2 For each of the EIA topics, it identifies whether there would be any new or materially different significant effects arising as a result of the Project, as amended by the proposed changes.

**Table 3.1: Review of Proposed Change 1**

EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change
Historic Environment	<p>The proposed change would reduce the area of solar installation and remove an area of land from the Order Limits. This would reduce the area affected by the Project, increase the distance to the nearest receptors in this area and reduce or remove the impact on the Outstanding Universal Value (OUV) of the Blenheim Palace WHS. It would also reduce the harm to the significance of associated heritage assets as a result of the change within their settings. In its response to the proposed changes, Historic England has acknowledged that this amendment has the potential to remove the previously identified harm to the Outstanding Universal Value of the WHS and the significance of the ensemble of the Registered Park and Garden and palace.</p> <p>There would be betterment in terms of the reduction of harm to the OUV of the Blenheim Palace WHS and the similar reduction in the harm to the significance of associated heritage assets, including the Grade I listed Blenheim Palace and the Grade I Registered Park and Garden at Blenheim Palace. There would also be betterment in terms of the reduction in harm to heritage assets at Bladon as a result of the change within their settings, including the Grade II listed Church of St Martin and the Bladon Conservation Area.</p> <p>Any changes in the significance of effects reported in the ES would be an improvement compared to the effects assessed in the Historic Environment chapter of the ES, such that there would be no effects greater than those reported in the ES.</p> <p>The following ES documents have been revised as a result of this change:</p> <ul style="list-style-type: none"> <li>• ES Chapter 7: Historic Environment <b>[EN010147/APP/6.3 – Rev3]</b>;</li> <li>• ES Appendix 7.4: Heritage Impact Assessment – Blenheim Palace World Heritage Site <b>[EN010147/APP/6.5 -Rev1]</b>; and</li> <li>• ES Appendix 7.5: Settings Assessment <b>[EN010147/APP/6.3 -Rev3]</b></li> </ul>
Landscape and Visual Assessment	<p>The proposed change would reduce the area of solar installation and remove an area of land from the Order Limits. This would reduce the area affected by the Project and increase the distance to the nearest receptors in this area. Land removed from the Order Limits would remain in agricultural use. The land east of Bladon that would remain within the Order Limits would be retained for meadow grazing. The community food growing together with the upgrade works to the Public Right of Way that crosses this area would remain as part of the Project.</p> <p>In respect of landscape and visual effects, this proposed change would result in a betterment. There would be a reduced area of solar arrays which would result in there being no direct landscape characterising effects upon these areas to the east and south west of Bladon which have been removed.</p> <p>This proposed change would also improve the setting of the village of Bladon, increasing the buffer zone from residential properties to the areas of development by circa. 300 m in places.</p> <p>The proposed change does not introduce any new elements to the assessment. Any changes in the significance of effects would be an improvement compared to the effects assessed in the ES, such that there would be no effects greater than those reported in the ES.</p> <p>The following ES documents have been revised as a result of this change:</p> <ul style="list-style-type: none"> <li>• ES Chapter 8: Landscape and Visual Assessment <b>EN010147/APP/6.3 – Rev3</b>; and</li> <li>• Outline Landscape and Ecology Management Plan <b>[EN010147/APP/7.6.3 -Rev5]</b>.</li> </ul>
Ecology and Nature Conservation	<p>The proposed change would reduce the area of solar installation and remove an area of land from the Order Limits. Land removed from the Order Limits would remain in agricultural use. The land east of Bladon that would remain within the Order Limits would be retained as meadow grassland and managed for the benefit of both wintering and breeding birds, skylark in particular, increasing the overall provision of new habitat managed for birds by 17.6 hectares, from 36 hectares to 53.6 hectares. The provision of further habitat to support breeding/wintering birds would reduce the overall magnitude of adverse</p>

EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change
	<p>impact from habitat loss on both receptors in absolute terms but would not be sufficient to change the significance of effect, i.e. effects from habitat loss would remain as minor adverse for breeding birds and moderate adverse for wintering birds.</p> <p>The management of the area as meadow grassland would also improve the overall biodiversity net gain score for this area compared to it having solar panels installed. Given the proximity of Oxford Airport, the management of the grassland in this area will need to be subject to the requirements of the CAA CAP772 Wildlife Hazard Management at Aerodromes in order to avoid bird strike risk, as set out in section 7.2.10 of the Outline Landscape and Ecology Management Plan [EN010147/APP/7.6.3].</p> <p>The removal of panels to the south west of Bladon (from the west of the tree lined drive running from Manor Road in Bladon up into Bladon Heath woodlands) will also remove any pressure on the bat commuting corridor in this location, resulting in betterment in the setting of this corridor. In addition, although appropriately buffered, the change would remove panels from the western edge of the ancient woodland at Bladon Heath.</p> <p>The change would therefore reduce the area affected by the Project but would not change the overall conclusions set out in the Ecology and Nature Conservation chapter of the ES for any ecology receptor. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p> <p>The following ES documents have been revised as a result of this change:</p> <ul style="list-style-type: none"> <li>• ES Appendix 9.13: Biodiversity Net Gain Assessment [EN010147/APP/6.5 – Rev1]; and</li> <li>• Outline Landscape and Ecology Management Plan [EN010147/APP/7.6.3 – Rev5].</li> </ul>
Hydrology and Flood Risk	The proposed change would reduce the area of solar installation and remove an area of land from the Order Limits. This would reduce the area affected by the Project and reduce the area of the Project located within areas identified as of 'Low' to 'High' surface water risk but would not change the overall conclusions set out in the Hydrology and Flood Risk chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Ground Conditions	The proposed change would reduce the area of solar installation and remove an area of land from the Order Limits. This would reduce the area affected by the Project but would not change the overall conclusions set out in the Ground Conditions chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Traffic and Transport	The proposed change would reduce the area of solar installation and remove an area of land from the Order Limits. This would reduce the area affected by the Project but would not change the overall conclusions set out in the Traffic and Transport chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Noise and Vibration	The proposed change would reduce the area of solar installation and remove an area of land from the Order Limits. This would reduce the area affected by the Project and increase the distance to the nearest receptors in this area but would not change the overall conclusions set out in the Noise and Vibration chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Climate Change	The proposed change would reduce the area of solar installation and remove an area of land from the Order Limits. This would not change the overall conclusions set out in the Climate Change chapter of the ES. The proposed change does not introduce any significant changes to the assessment. There are therefore no new or materially different significant effects.

EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change																															
Socio-economics	The proposed change would reduce the area of solar installation and remove an area of land from the Order Limits. This would reduce the area affected by the Project but would not change the overall conclusions set out in the Socio-economics chapter of the ES. The proposed change does not introduce any significant changes to the assessment. There are therefore no new or materially different significant effects.																															
Human Health	<p>The proposed change would reduce the area of solar installation and remove an area of land from the Order Limits. This would reduce the area affected by the Project (slightly reducing adverse health influences associated with use of the countryside for leisure and physical activity).</p> <p>As stated by topics Landscape and Visual Assessment and Agricultural Land Use and Public Rights of Way, the community food growing, together with the upgrade works to the PRoW that crosses this area would remain as part of the Project. There will also be no material change in access to the PRoW network. As a result of this, the proposed change would not change the overall conclusions set out in the Human Health chapter of the ES. The proposed change does not introduce any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>																															
Agricultural Land Use and Public Rights of Way	<p>With respect to agricultural land, the proposed change would remove an area of approximately 31 hectares from the Order Limits to the south west of Bladon (this incorporates an area of approximately 24.7 hectares of solar installation). In addition, to the east of Bladon, an area of approximately 17.6 hectares would be removed from the solar installation area. Overall, therefore, an area of approximately 48.6 hectares would no longer be impacted by the Project. This reduces the amount of agricultural land, including best and most versatile land impacted by the Project.</p> <p>The table below summarises the difference in quantity of each ALC grade between the current design and with Proposed Change 1.</p> <table><tr><th rowspan="2">Area subject to change</th><th rowspan="2">Design Iteration</th><th colspan="4">ALC Grade (ha)</th><th rowspan="2">Non-agricultural (ha)</th><th rowspan="2">Not surveyed (ha)</th><th rowspan="2">Total (ha)</th></tr><tr><th>1</th><th>2</th><th>3a</th><th>3b</th></tr><tr><td>Solar Installation Area</td><td>Difference with Proposed Change 1</td><td>0.00</td><td>-2.56</td><td>-10.84</td><td>-28.86</td><td>0.00</td><td>0.00</td><td>- 42.26</td></tr><tr><td>Order Limits</td><td>Difference with Proposed Change 1</td><td>0.00</td><td>-3.54</td><td>-10.97</td><td>-16.35</td><td>-0.15</td><td>0.00</td><td>- 31.02</td></tr></table> <p>With respect to PRoW, the proposed change would result in no material change in access to the PRoW network.</p> <p>Taking the above information into account, the proposed change does not introduce any new elements to the assessment. Any changes would be an improvement compared to the effects assessed in the ES, such that there would be no effects greater than those reported in the ES.</p> <p>The following ES documents have been revised as a result of this change:</p> <ul style="list-style-type: none"><li>Figure 17.3 – Surveyed ALC Grades [EN010147/APP/6.4 -Rev1]; and</li><li>Figure 17.4 – Land Holding [EN010147/APP/6.3 -Rev1].</li></ul>	Area subject to change	Design Iteration	ALC Grade (ha)				Non-agricultural (ha)	Not surveyed (ha)	Total (ha)	1	2	3a	3b	Solar Installation Area	Difference with Proposed Change 1	0.00	-2.56	-10.84	-28.86	0.00	0.00	- 42.26	Order Limits	Difference with Proposed Change 1	0.00	-3.54	-10.97	-16.35	-0.15	0.00	- 31.02
Area subject to change	Design Iteration			ALC Grade (ha)							Non-agricultural (ha)	Not surveyed (ha)	Total (ha)																			
		1	2	3a	3b																											
Solar Installation Area	Difference with Proposed Change 1	0.00	-2.56	-10.84	-28.86	0.00	0.00	- 42.26																								
Order Limits	Difference with Proposed Change 1	0.00	-3.54	-10.97	-16.35	-0.15	0.00	- 31.02																								
Waste and Resources	The proposed change would reduce the area of solar installation and remove an area of land from the Order Limits. This would reduce the area affected by the Project but would not change the overall conclusions set out in the Waste and Resources chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.																															
Air Quality	The proposed change would reduce the area of solar installation and remove an area of land from the Order Limits. This would reduce the area affected by the Project and increase the distance to the nearest receptors in this area (therefore reducing the risk of dust impacts in this location) but would not change																															

EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change
Cumulative Effects and Inter-relationships	the overall conclusions set out in the Air Quality chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.  The proposed change does not introduce any significant changes to the assessment. There are therefore no new or materially different significant effects.

### 3.3 Conclusions

- 3.3.1 This section has reviewed the implications of Proposed Change 1 in relation to the assessment of effects set out in the ES.
- 3.3.2 As set out in **Table 3.1**, no new or materially different significant effects have been identified for most of the topics covered in the ES.
- 3.3.3 For some topics, a reduction in the likely impacts has been identified but this would not alter the conclusions reached in the ES. This includes ecology and nature conservation; hydrology and flood risk; noise and vibration; and air quality.
- 3.3.4 For the following topics, a reduction in effects has been identified:
- historic environment; and
  - landscape and visual assessment.
- 3.3.5 For these topics, changes in the significance of effects reported in the ES would be an improvement compared to the effects assessed in the ES, such that there would be no effects greater than those reported in the ES.



## 4 Review of Environmental Assessment: Proposed Change 2

### 4.1 Introduction

- 4.1.1 This section of the ES Addendum reviews the implications of Proposed Change 2 in relation to the assessment of environmental effects.
- 4.1.2 It details whether any new or materially different significant environmental effects would arise as a result of the proposed changes.

### 4.2 Review of Environmental Effects

- 4.2.1 **Table 4.1** reviews the implications of Proposed Change 2 for the assessment of effects.
- 4.2.2 For each of the EIA topics, it identifies whether there would be any new or materially different significant effects arising as a result of the Project, as amended by the proposed changes.

**Table 4.1: Review of Proposed Change 2**

EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change
Historic Environment	<p>The proposed change would reduce the area of solar installation and remove an area of land from the Order Limits. This proposed change would result in betterment with regard to the harm to the significance of designated heritage assets at Begbroke as a result of change within their settings.</p> <p>Any changes in the significance of effects reported in the ES would be an improvement compared to the effects assessed in the Historic Environment chapter of the ES, such that there would be no effects greater than those reported in the ES. The minor re-siting of the secondary substation would not affect the conclusions of the ES.</p> <p>The following ES documents have been revised as a result of this change:</p> <ul style="list-style-type: none"> <li>ES Chapter 7: Historic Environment [EN010147/APP/6.3 -Rev3]; and</li> <li>ES Appendix 7.5: Settings Assessment [EN010147/APP/6.5 -Rev3].</li> </ul>
Landscape and Visual Assessment	<p>The proposed change would reduce the area of solar installation and remove an area of land from the Order Limits. This would reduce the area affected by the Project and increase the distance to the nearest receptors in this area.</p> <p>This proposed change would result in a betterment in landscape and visual terms. The removal of panels would reduce the overall direct or perceived landscape characterising effects in the area around Begbroke, with the retained existing landscape features unaffected.</p> <p>The proposed change would result in a betterment in respect of the setting and views from residential receptors at Begbroke. The removal of panels from the field to the north west of Begbroke would increase the buffer zone from Begbroke to built elements by circa. 250 m in places.</p> <p>The proposed change would remove a significant effect identified along PRoW 124/5/10 (Representative Viewpoint 32).</p> <p>The proposed change does not introduce any new elements to the assessment. Any changes in the significance of effects would be an improvement compared to the effects assessed in the ES, such that there would be no effects greater than those report in the ES. The minor re-siting of the secondary substation would not affect the conclusions of the ES.</p> <p>The following ES documents have been revised as a result of this change:</p> <ul style="list-style-type: none"> <li>ES Chapter 8: Landscape and Visual Assessment [EN010147/APP/6.3 -Rev3]; and</li> <li>Outline Landscape and Ecology Management Plan [EN010147/APP/7.6.3 -Rev5].</li> </ul>
Ecology and Nature Conservation	<p>The proposed change would reduce the area of solar installation and remove an area of land from the Order Limits. This would reduce the area affected by the Project and, although both are appropriately buffered, result in betterment compared to the Project as submitted with regard to the Rowel Brook and the woodland it runs through in the area covered by this change. However, it would not change the overall conclusions set out in the Ecology and Nature Conservation chapter of the ES. The minor re-siting of the secondary substation would not affect the conclusions of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p> <p>The following ES documents have been revised as a result of this change:</p> <ul style="list-style-type: none"> <li>ES Appendix 9.13: Biodiversity Net Gain Assessment [EN010147/APP/6.5 -Rev1]; and</li> <li>Outline Landscape and Ecology Management Plan [EN010147/APP/7.6.3 -Rev5].</li> </ul>
Hydrology and Flood Risk	<p>The proposed change would reduce the area of solar installation and remove an area of land from the Order Limits. This would reduce the area affected by the Project and reduce the area of the Project located within areas identified as of 'Low' to 'High' surface water risk, but would not change the overall conclusions set out in the Hydrology and Flood Risk chapter of the ES. The minor re-siting of the secondary substation would not affect the conclusions of</p>

EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change
	the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Ground Conditions	The proposed change would reduce the area of solar installation, re-site the secondary substation and remove an area of land from the Order Limits. This would reduce the area affected by the Project but would not change the overall conclusions set out in the Ground Conditions chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Traffic and Transport	The proposed change would reduce the area of solar installation, re-site the secondary substation and remove an area of land from the Order Limits. This would reduce the area affected by the Project but would not change the overall conclusions set out in the Traffic and Transport chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Noise and Vibration	<p>The proposed change would reduce the area of solar installation and remove an area of land from the Order Limits. In terms of noise and vibration, the removal of panels constitutes a reduction in noise producing electrical equipment, and this change is considered to be a betterment.</p> <p>However, this area also includes a substation and construction compound. No significant effects are anticipated associated with this change.</p> <p>Therefore, this change does not alter the overall conclusions set out in the Noise and Vibration chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Climate Change	The proposed change would reduce the area of solar installation, re-site the secondary substation and remove an area of land from the Order Limits. This would not change the overall conclusions set out in the Climate Change chapter of the ES. The proposed change does not introduce any significant changes to the assessment. There are therefore no new or materially different significant effects.
Socio-economics	The proposed change would reduce the area of solar installation, re-site the secondary substation and remove an area of land from the Order Limits. This would reduce the area affected by the Project but would not change the overall conclusions set out in the Socio-economics chapter of the ES. The proposed change does not introduce any significant changes to the assessment. There are therefore no new or materially different significant effects.
Human Health	The proposed change would reduce the area of solar installation, re-site the secondary substation and remove an area of land from the Order Limits. This would reduce the area affected by the Project and increase the distance from nearby sensitive receptors (both slightly reducing adverse health influences associated with use of the countryside for leisure and physical activity). However, these changes would not change the overall conclusions set out in the Human Health chapter of the ES. The proposed change does not introduce any significant changes to the assessment. There are therefore no new or materially different significant effects.
Agricultural Land Use and Public Rights of Way	<p>With respect to agricultural land, the proposed change would remove an area of approximately 46.55 hectares from the Order Limits either side of the A44 Woodstock Road (this incorporates an area of approximately 40.8 hectares of solar installation). Overall, therefore, an area of approximately 46.55 hectares would no longer be impacted by the Project. This reduces the amount of agricultural land, including best and most versatile land impacted by the Project.</p> <p>The re-siting of the secondary substation would not change the quantity or quality of agricultural land affected, as the design parameters and ALC grade remain the same as the current design of the Project. The re-siting of the temporary construction compound would result in a reduction in areas of Grade 3a and 3b agricultural land affected by the Project. The table below summarises the difference in quantity of each ALC grade between the current design and with Proposed Change 2.</p>

EIA topic		Review of whether any new or materially different significant effects would arise as a result of the proposed change						
Area subject to change	Design Iteration	ALC Grade (ha)				Non-agricultural (ha)	Not surveyed (ha)	Total (ha)
		1	2	3a	3b			
<b>Solar Installation Area</b>	Difference with Proposed Change 2	0.00	-5.77	-19.53	-15.50	-0.0020	0.00	<b>-40.8</b>
<b>Secondary Substation</b>	Difference with Proposed Change 2	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.00</b>
<b>Temporary Construction Compound</b>	Difference with Proposed Change 2	0.00	0.00	-1.37	-0.57	0.0001	0.00	<b>-2.06</b>
<b>Order Limits</b>	Difference with Proposed Change 2	0.00	-6.74	-22.00	-15.05	-2.77	0.00	<b>-46.55</b>

With respect to PRoW, the proposed change would result in no material change in access to the PRoW network.

Taking the above information into account, the proposed change does not introduce any new elements to the assessment. Any changes would be an improvement compared to the effects assessed in the ES, such that there would be no effects greater than those reported in the ES.

The following ES documents have been revised as a result of this change:

- Figure 17.3 – Surveyed ALC Grades [EN010147/APP/6.4 -Rev1]; and
- Figure 17.4 – Land Holdings [EN010147/APP/6.3 -Rev1].

Waste and Resources	The proposed change would reduce the area of solar installation, re-site the secondary substation and remove an area of land from the Order Limits. This would reduce the area affected by the Project but would not change the overall conclusions set out in the Waste and Resources chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Air Quality	The proposed change would reduce the area of solar installation, re-site the secondary substation and remove an area of land from the Order Limits. This would reduce the area affected by the Project and increase the distance to the nearest receptors in this area (therefore reducing the risk of dust impacts in this location) but would not change the overall conclusions set out in the Air Quality chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Cumulative Effects and Inter-relationships	The proposed change does not introduce any significant changes to the assessment. There are therefore no new or materially different significant effects.

## 4.3 Conclusions

- 4.3.1 This section has reviewed the implications of Proposed Change 2 in relation to the assessment of effects set out in the ES.
- 4.3.2 As set out in **Table 4.1**, no new or materially different significant effects have been identified have been identified for most of the topics covered in the ES.
- 4.3.3 For some topics, a reduction in the likely impacts has been identified but this would not affect the conclusions reached in the ES. This includes ecology and nature conservation; hydrology and flood risk, noise and vibration; and air quality.
- 4.3.4 For the following topics, a reduction in effects has been identified:
- historic environment; and
  - landscape and visual assessment.
- 4.3.5 For these topics, changes in the significance of effects reported in the ES would be an improvement compared to the effects assessed in the ES, such that there would be no effects greater than those reported in the ES.

## **5 Review of Environmental Assessment: Proposed Change 3**

### **5.1 Introduction**

- 5.1.1 This section of the ES Addendum reviews the implications of Proposed Change 3 in relation to the assessment of environmental effects.
- 5.1.2 It details whether any new or materially different significant environmental effects would arise as a result of the proposed changes.

### **5.2 Review of Environmental Effects**

- 5.2.1 **Table 5.1** reviews the implications of Proposed Change 3 for the assessment of effects.
- 5.2.2 For each of the EIA topics, it identifies whether there would be any new or materially different significant effects arising as a result of the Project, as amended by the proposed changes.

**Table 5.1: Review of Proposed Change 3**

EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change
Historic Environment	<p>The proposed change would amend the layout but would not alter the area of solar installation in this area (compared to the scenario shown on Sheet 13b of the Works Plans). The proposed change would not result in any change in the Order Limits.</p> <p>The proposed change would not change the overall conclusions set out in the Historic Environment chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Landscape and Visual Assessment	<p>The proposed change would amend the layout but would not alter the area of solar installation in this area (compared to the scenario shown on Sheet 13b of the Works Plans). The proposed change would not result in any change in the Order Limits.</p> <p>This proposed change would result in the Project substation being located closer to the visual receptors using PRoWs, including 184/50/20 (Green Belt Way) (Representative Viewpoint 50) compared to the scenario with the new National Grid substation being provided within the Order Limits. However, the ES considered the National Grid substation as located in this area. As such there would be no material difference in the levels of significance in landscape and visual effect previously identified.</p> <p>The proposed change would not change the overall conclusions set out in the Landscape and Visual Assessment chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Ecology and Nature Conservation	<p>The proposed change would amend the layout but would not alter the area of solar installation in this area (compared to the scenario shown on Sheet 13b of the Works Plans). The proposed change would not result in any change in the Order Limits.</p> <p>The ES chapter assessed habitat loss impacts in this location and these would remain unchanged by the refined layout.</p> <p>The proposed change would not be sufficient to change the overall conclusions set out in the Ecology and Nature Conservation chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Hydrology and Flood Risk	<p>The proposed change would amend the layout but would not alter the area of solar installation in this area (compared to the scenario shown on Sheet 13b of the Works Plans). The proposed change would not result in any change in the Order Limits.</p> <p>Surface water risk areas are shown to encroach upon the solar array location and the proposed Project substation location. The proposed change would not change the overall conclusions set out in the Hydrology and Flood Risk chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p> <p>A Technical Note (Review of Hydrology and Flood Risk Impacts with respect to Proposed Change 3) has been produced to outline the surface water risk. This is provided at Appendix 1 of this ES Addendum.</p>
Ground Conditions	<p>The proposed change would amend the layout but would not alter the area of solar installation in this area (compared to the scenario shown on Sheet 13b of the Works Plans). The proposed change would not result in any change in the Order Limits.</p> <p>The proposed change would not change the overall conclusions set out in the Ground Conditions chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Traffic and Transport	<p>The proposed change would amend the layout but would not alter the area of solar installation in this area (compared to the scenario shown on Sheet 13b of the Works Plans). The proposed change would not result in any change in the Order Limits.</p>

EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change																															
	The proposed change would not change the overall conclusions set out in the Traffic and Transport chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.																															
Noise and Vibration	<p>The proposed change would amend the layout but would not alter the area of solar installation in this area (compared to the scenario shown on Sheet 13b of the Works Plans). The proposed change would not result in any change in the Order Limits.</p> <p>The proposed change would not change the overall conclusions set out in the Noise and Vibration chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>																															
Climate Change	<p>The proposed change would amend the layout but would not alter the area of solar installation in this area (compared to the scenario shown on Sheet 13b of the Works Plans). The proposed change would not result in any change in the Order Limits.</p> <p>The proposed change would not change the overall conclusions set out in the Climate Change chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>																															
Socio-economics	<p>The proposed change would amend the layout but would not alter the area of solar installation in this area (compared to the scenario shown on Sheet 13b of the Works Plans). The proposed change would not result in any change in the Order Limits.</p> <p>The proposed change would not change the overall conclusions set out in the Socio-economics chapter of the ES. The proposed change does not introduce any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>																															
Human Health	<p>The proposed change would amend the layout but would not alter the area of solar installation in this area (compared to the scenario shown on Sheet 13b of the Works Plans). The proposed change would not result in any change in the Order Limits.</p> <p>The proposed change would not change the overall conclusions set out in the Human Health chapter of the ES. The proposed change does not introduce any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>																															
Agricultural Land Use and Public Rights of Way	<p>With respect to agricultural land, the proposed change would not alter the area of agricultural land subject to solar installation. The National Grid substation would be located outside the Order Limits in this scenario. This was a scenario considered within the application originally that represents a reduction in area affected of 2.87 hectares compared to the alternative scenario of accommodating the new National Grid substation within the Order Limits. The table below summarises the difference in quantity of each ALC grade between the current design and with Proposed Change 3. The overall</p> <table><tr><th rowspan="2">Area subject to change</th><th rowspan="2">Design Iteration</th><th colspan="4">ALC Grade (ha)</th><th rowspan="2">Non-agricultural (ha)</th><th rowspan="2">Not surveyed (ha)</th><th rowspan="2">Total (ha)</th></tr><tr><th>1</th><th>2</th><th>3a</th><th>3b</th></tr><tr><td>Solar installation area</td><td>Difference with Proposed Change 3</td><td>0.00</td><td>0.00</td><td>+0.01</td><td>-0.01</td><td>0.00</td><td>0.00</td><td>0.00</td></tr><tr><td>Secondary substation</td><td>Difference with Proposed Change 3</td><td>0.00</td><td>0.00</td><td>+0.03</td><td>0.00</td><td>0.00</td><td>0.00</td><td>+0.03</td></tr></table> <p>changes in terms of area of each grade of land affected, are negligible.</p> <p>With respect to PRoW, the proposed change would result in no material change in access to the PRoW network.</p>	Area subject to change	Design Iteration	ALC Grade (ha)				Non-agricultural (ha)	Not surveyed (ha)	Total (ha)	1	2	3a	3b	Solar installation area	Difference with Proposed Change 3	0.00	0.00	+0.01	-0.01	0.00	0.00	0.00	Secondary substation	Difference with Proposed Change 3	0.00	0.00	+0.03	0.00	0.00	0.00	+0.03
Area subject to change	Design Iteration			ALC Grade (ha)							Non-agricultural (ha)	Not surveyed (ha)	Total (ha)																			
		1	2	3a	3b																											
Solar installation area	Difference with Proposed Change 3	0.00	0.00	+0.01	-0.01	0.00	0.00	0.00																								
Secondary substation	Difference with Proposed Change 3	0.00	0.00	+0.03	0.00	0.00	0.00	+0.03																								



EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change
	Taking the above information into account, the proposed change would not change the overall conclusions set out in the Agricultural Land Use and Public Rights of Way chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Waste and Resources	<p>The proposed change would amend the layout but would not alter the area of solar installation in this area (compared to the scenario shown on Sheet 13b of the Works Plans). The proposed change would not result in any change in the Order Limits.</p> <p>This would not change the overall conclusions set out in the Waste and Resources chapter of the ES. The proposed change does not introduce any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Air Quality	<p>The proposed change would amend the layout but would not alter the area of solar installation in this area (compared to the scenario shown on Sheet 13b of the Works Plans). The proposed change would not result in any change in the Order Limits.</p> <p>The proposed change would not change the overall conclusions set out in the Air Quality chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Cumulative Effects and Inter-relationships	With this proposed change in place, the National Grid substation would be delivered off site, albeit adjacent to the Project. The impacts of this as a cumulative project were considered within the ES. There are therefore no new or materially different significant effects.

## 5.3 Conclusions

- 5.3.1 This section has reviewed the implications of Proposed Change 3 in relation to the assessment of effects set out in the ES.
- 5.3.2 As set out in **Table 5.1** Table 5.1, no new or materially different significant effects have been identified.

## **6 Review of Environmental Assessment: Proposed Change 4**

### **6.1 Introduction**

- 6.1.1 This section of the ES Addendum reviews the implications of Proposed Change 4 in relation to the assessment of environmental effects.
- 6.1.2 It details whether any new or materially different significant environmental effects would arise as a result of the proposed changes.

### **6.2 Review of Environmental Effects**

- 6.2.1 **Table 6.1** reviews the implications of Proposed Change 4 for the assessment of effects.
- 6.2.2 For each of the EIA topics, it identifies whether there would be any new or materially different significant effects arising as a result of the Project, as amended by the proposed changes.

**Table 6.1: Review of Proposed Change 4**

EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change
Historic Environment	<p>The proposed change would reduce the area of solar installation and remove an area of land from the Order Limits. This would reduce the area affected by the Project and increase the distance to the nearest receptors in this area.</p> <p>This proposed change would result in betterment with regard to the harm to the significance of the Grade II listed Mill Farmhouse and attached mill building as a result of change within its setting.</p> <p>Any changes in the significance of effects reported in the ES would be an improvement compared to the effects assessed in the Historic Environment chapter of the ES, such that there would be no effects greater than those reported in the ES.</p> <p>The following ES documents have been revised as a result of this change:</p> <ul style="list-style-type: none"> <li>• ES Chapter 7: Historic Environment [EN010147/APP/6.3 -Rev3]; and</li> <li>• ES Appendix 7.5: Settings Assessment [EN010147/APP/6.5 -Rev3].</li> </ul>
Landscape and Visual Assessment	<p>The proposed change would reduce the area of solar installation and remove an area of land from the Order Limits. This would reduce the area affected by the Project and increase the distance to the nearest receptors in this area.</p> <p>This proposed change would result in a betterment in landscape and visual terms. The removal of panels would reduce the overall direct or perceived landscape characterising effects in the area to the east of Lower Road, with the retained existing landscape features unaffected. Proposed landscape mitigation at the newly created northern edge of the Order Limits would link existing habitats to the Evenlode Valley.</p> <p>The proposed change would result in a betterment in respect of the setting and views from residential receptors at the north east corner. The removal of panels from the field to the east of Lower Road would increase the buffer zone from the residential property and Listed building to built elements by circa. 100 m in places.</p> <p>Any changes in the significance of effects would be an improvement compared to the effects assessed in the ES, such that there would be no effects greater than those report in the ES. There are therefore no new or materially different significant effects.</p> <p>The following ES documents have been revised as a result of this change:</p> <ul style="list-style-type: none"> <li>• ES Chapter 8: Landscape and Visual Assessment [EN010147/APP/6.3 -Rev3]; and</li> <li>• Outline Landscape and Ecology Management Plan [EN010147/APP/7.6.3 -Rev5].</li> </ul>
Ecology and Nature Conservation	<p>The proposed change would reduce the area of solar installation and remove an area of land from the Order Limits. The change would remove a small area from the proposed Evenlode Corridor but not to the extent that the aims for this area, as set out in section 7 of the Outline Landscape and Ecology Management Plan [EN010147/APP/7.6.3] could not be realised. The provision of additional tree and hedgerow planting along the new northern boundary of the Order Limits in this area would be beneficial in ecology terms. Overall, the change would reduce the area affected by the Project but would not alter the overall conclusions set out in the Ecology and Nature Conservation chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p> <p>The following ES documents have been revised as a result of this change:</p> <ul style="list-style-type: none"> <li>• ES Appendix 9.13: Biodiversity Net Gain Assessment [EN010147/APP/6.5 -Rev1]; and</li> <li>• Outline Landscape and Ecology Management Plan [EN010147/APP/7.6.3 -Rev5].</li> </ul>

EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change
Hydrology and Flood Risk	The proposed change would reduce the area of solar installation and remove an area of land from the Order Limits. This would reduce the area affected by the Project and reduce the area of the Project located within areas identified as of 'Low' to 'High' surface water risk areas within Flood Zones 2 and 3, but would not change the overall conclusions set out in the Hydrology and Flood Risk chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Ground Conditions	The proposed change would reduce the area of solar installation and remove an area of land from the Order Limits. This would reduce the area affected by the Project (which would include the area within the Mineral Safeguarding Area) but would not change the overall conclusions set out in the Ground Conditions chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Traffic and Transport	The proposed change would reduce the area of solar installation and remove an area of land from the Order Limits. This would reduce the area affected by the Project but would not change the overall conclusions set out in the Traffic and Transport chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Noise and Vibration	The proposed change would reduce the area of solar installation and remove an area of land from the Order Limits. This would reduce the area affected by the Project and increase the distance to the nearest receptors in this area but would not change the overall conclusions set out in the Noise and Vibration chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Climate Change	The proposed change would reduce the area of solar installation and remove an area of land from the Order Limits. This would not change the overall conclusions set out in the Climate Change chapter of the ES. The proposed change does not introduce any significant changes to the assessment. There are therefore no new or materially different significant effects.
Socio-economics	The proposed change would reduce the area of solar installation and remove an area of land from the Order Limits. This would not change the overall conclusions set out in the Socio-economics chapter of the ES. The proposed change does not introduce any significant changes to the assessment. There are therefore no new or materially different significant effects.
Human Health	The proposed change would reduce the area of solar installation and remove an area of land from the Order Limits. This would reduce the area affected by the Project (slightly reducing adverse health influences associated with use of the countryside for leisure and physical activity). However, these changes are marginal and would not change the overall conclusions set out in the Human Health chapter of the ES. The proposed change does not introduce any significant changes to the assessment. There are therefore no new or materially different significant effects.
Agricultural Land Use and Public Rights of Way	<p>With respect to agricultural land, the proposed change would remove an area of approximately 11.78 hectares from the Order Limits on land east of Lower Road (this incorporates an area of approximately 6.26 hectares of solar installation). Overall, therefore, an area of approximately 11.78 hectares would no longer be impacted by the Project. This reduces the amount of agricultural land, including best and most versatile land impacted by the Project.</p> <p>The removal of the 33 kV cable route would avoid temporary impacts on agricultural land associated with open cut trenching at this location. The new hedgerow and tree planting would have no implications with respect to availability of agricultural land or operation of farm holdings. The table below summarises the difference in quantity of each ALC grade between the current design and with Proposed Change 4.</p>

EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change							
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Area subject to change	Design Iteration	ALC Grade (ha)				Non-agricultural (ha)	Not surveyed (ha)	Total (ha)
		1	2	3a	3b			
<b>Solar Installation Area</b>	Difference with Proposed Change 4	0.00	-0.10	-4.98	-1.18	0.00	0.00	<b>-6.26</b>
<b>Order Limits</b>	Difference with Proposed Change 4	0.00	-0.18	-5.83	-5.72	-0.04	0.00	<b>-11.78</b>

With respect to PRoW, the proposed change would result in no material change in access to the PRoW network.

Taking the above information into account, the proposed change does not introduce any new elements to the assessment. Any changes would be an improvement compared to the effects assessed in the ES, such that there would be no effects greater than those reported in the ES.

The following ES documents have been revised as a result of this change:

- Figure 17.3 – Surveyed ALC Grades [EN010147/APP/6.4 -Rev1];
- Figure 17.4 – Land Holdings [EN010147/APP/6.3 -Rev1].

Waste and Resources	The proposed change would reduce the area of solar installation and remove an area of land from the Order Limits. This would reduce the area affected by the Project but would not change the overall conclusions set out in the Waste and Resources chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Air Quality	The proposed change would reduce the area of solar installation and remove an area of land from the Order Limits. This would reduce the area affected by the Project and increase the distance to the nearest receptors in this area (therefore reducing the risk of dust impacts in this location) but would not change the overall conclusions set out in the Air Quality chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Cumulative Effects and Inter-relationships	The proposed change does not introduce any significant changes to the assessment. There are therefore no new or materially different significant effects.

## 6.3 Conclusions

- 6.3.1 This section has reviewed the implications of Proposed Change 4 in relation to the assessment of effects set out in the ES.
- 6.3.2 As set out in **Table 6.1**, no new or materially different significant effects have been identified for most of the topics covered in the ES.
- 6.3.3 For some topics, a reduction in the likely impacts has been identified but this would not affect the conclusions reached in the ES. This includes ecology and nature conservation; hydrology and flood risk, ground conditions; noise and vibration; and air quality.
- 6.3.4 For the following topics, a reduction in effects has been identified:
- historic environment; and
  - landscape and visual assessment.
- 6.3.5 For these topics, any changes in the significance of effects reported in the ES would be an improvement compared to the effects assessed in the ES, such that there would be no effects greater than those reported in the ES.

## **7 Review of Environmental Assessment: Proposed Change 5**

### **7.1 Introduction**

- 7.1.1 This section of the ES Addendum reviews the implications of Proposed Change 5 in relation to the assessment of environmental effects.
- 7.1.2 It details whether any new or materially different significant environmental effects would arise as a result of the proposed changes.

### **7.2 Review of Environmental Effects**

- 7.2.1 **Table 7.1** reviews the implications of Proposed Change 5 for the assessment of effects.
- 7.2.2 For each of the EIA topics, it identifies whether there would be any new or materially different significant effects arising as a result of the Project, as amended by the proposed changes.



**Table 7.1: Review of Proposed Change 5**

EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change
Historic Environment	The proposed change would reduce the area of solar installation. This would not result in any change in the Order Limits. The area affected by the reduction in solar installation is minimal. These changes would not change the overall conclusions set out in the Historic Environment chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Landscape and Visual Assessment	The proposed change would reduce the area of solar installation. This would not result in any change in the Order Limits. The area affected by the reduction in solar installation is minimal. These changes would not change the overall conclusions set out in the Landscape and Visual Assessment chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Ecology and Nature Conservation	The proposed change would reduce the area of solar installation. This would not result in any change in the Order Limits. The area affected by the reduction in solar installation is minimal. These changes would not change the overall conclusions set out in the Ecology and Nature Conservation chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Hydrology and Flood Risk	<p>The proposed change would reduce the area of solar installation in this area. This would not result in any change in the Order Limits. This change is proposed to resolve a base mapping error. The Applicant has identified minor anomalies where the solar installation slightly overlaps with Flood Zone 2 or 3 throughout the Project site. The Applicant is committed to not develop within Flood Zones 2 or 3 and is therefore proposing to correct this mapping anomaly. This proposed change is therefore consistent with the assumptions made in the ES. These changes would not change the overall conclusions set out in the Hydrology and Flood Risk chapter of the ES.</p> <p>The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Ground Conditions	The proposed change would reduce the area of solar installation. This would not result in any change in the Order Limits. The area affected by the reduction in solar installation is minimal (but would include areas within the Mineral Safeguarding Area). These changes would not change the overall conclusions set out in the Ground Conditions chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Traffic and Transport	The proposed change would reduce the area of solar installation. This would not result in any change in the Order Limits. The area affected by the reduction in solar installation is minimal. These changes would not change the overall conclusions set out in the Traffic and Transport chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Noise and Vibration	The proposed change would reduce the area of solar installation. This would not result in any change in the Order Limits. The area affected by the reduction in solar installation is minimal. These changes would not change the overall conclusions set out in the Noise and Vibration chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Climate Change	The proposed change would reduce the area of solar installation. This would not result in any change in the Order Limits. The area affected by the reduction in solar installation is minimal. These changes would not change the overall conclusions set out in the Climate Change chapter of the ES. The

EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change																														
	proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.																														
Socio-economics	The proposed change would reduce the area of solar installation. This would not result in any change in the Order Limits. The area affected by the reduction in solar installation is minimal. These changes would not change the overall conclusions set out in the Socio-economics chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.																														
Human Health	The proposed change would reduce the area of solar installation. This would not result in any change in the Order Limits. The area affected by the reduction in solar installation is minimal. These changes would not change the overall conclusions set out in the Human Health chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.																														
Agricultural Land Use and Public Rights of Way	With respect to agricultural land, the proposed change reduce the area of agricultural land subject to solar installation within the Order Limits by approximately 0.72 hectares. The table below summarises the difference in quantity of each ALC grade between the current design and with Proposed Change 5.																														
<table><tr><th rowspan="2">Area subject to change</th><th rowspan="2">Design Iteration</th><th colspan="4">ALC Grade (ha)</th><th rowspan="2">Non-agricultural (ha)</th><th rowspan="2">Not surveyed (ha)</th><th rowspan="2">Total (ha)</th></tr><tr><th>1</th><th>2</th><th>3a</th><th>3b</th></tr><tr><td>Solar Installation Area</td><td>Difference with Proposed Change 5</td><td>0.00</td><td>0.00</td><td>-0.46</td><td>-0.27</td><td>0.00</td><td>0.00</td><td>0.72</td></tr></table>										Area subject to change	Design Iteration	ALC Grade (ha)				Non-agricultural (ha)	Not surveyed (ha)	Total (ha)	1	2	3a	3b	Solar Installation Area	Difference with Proposed Change 5	0.00	0.00	-0.46	-0.27	0.00	0.00	0.72
Area subject to change	Design Iteration	ALC Grade (ha)				Non-agricultural (ha)	Not surveyed (ha)	Total (ha)																							
		1	2	3a	3b																										
Solar Installation Area	Difference with Proposed Change 5	0.00	0.00	-0.46	-0.27	0.00	0.00	0.72																							
<p>With respect to PRoW, the proposed change would result in no material change in access to the PRoW network.</p> <p>Taking the above information into account, the proposed change would not change the overall conclusions set out in the Agricultural Land Use and Public Rights of Way chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p> <p>The following ES documents have been revised as a result of this change:</p> <ul style="list-style-type: none"><li>Figure 17.3 – Surveyed ALC Grades [EN010147/APP/6.4 -Rev1];</li><li>Figure 17.4 – Land Holdings [EN010147/APP/6.3 -Rev1].</li></ul>																															
Waste and Resources	The proposed change would reduce the area of solar installation. This would not result in any change in the Order Limits. The area affected by the reduction in solar installation is minimal. These changes would not change the overall conclusions set out in the Waste and Resources chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.																														
Air Quality	The proposed change would reduce the area of solar installation. This would not result in any change in the Order Limits. The area affected by the reduction in solar installation is minimal. These changes would not change the overall conclusions set out in the Air Quality chapter of the ES. The																														

EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change
Cumulative Effects and Inter-relationships	<p>proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p> <p>The proposed change does not introduce any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>

## 7.3 Conclusions

- 7.3.1 This section has reviewed the implications of Proposed Change 5 in relation to the assessment of effects set out in the ES.
- 7.3.2 As set out in **Table 7.1**, no new or materially different significant effects have been identified.

## 8 Review of Environmental Assessment: Proposed Change 6

### 8.1 Introduction

- 8.1.1 This section of the ES Addendum reviews the implications of Proposed Change 6 in relation to the assessment of environmental effects.
- 8.1.2 It details whether any new or materially different significant environmental effects would arise as a result of the proposed changes.

### 8.2 Review of Environmental Effects

- 8.2.1 **Table 8.1** reviews the implications of Proposed Change 6 for the assessment of effects.
- 8.2.2 For each of the EIA topics, it identifies whether there would be any new or materially different significant effects arising as a result of the Project, as amended by the proposed changes.

**Table 8.1: Review of Proposed Change 6**

EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change
Historic Environment	<p>The proposed change would increase the area of solar installation and refine the layout in this area. This would not result in any change in the Order Limits. These changes would not change the overall conclusions set out in the Historic Environment chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Landscape and Visual Assessment	<p>The proposed change would increase the area of solar installation and refine the layout in this area. This would not result in any change in the Order Limits.</p> <p>This proposed change, with the additional installation area, would bring the Project closer to PRoW 184/22/20, potentially giving rise to a temporary significant adverse effect limited to this location at winter Year 1. Currently Viewpoint 49, at the north east corner located on the PRoW, does not identify a significant effect in the winter Year 1.</p> <p>These changes would alter the assessment of effects from one Representative Viewpoint (49) in the winter of Year 1. However, this would be temporary. Embedded mitigation planting would, once established, ensure that the effect in subsequent years would be as assessed in the ES. The ES identified that there would be temporary significant effects on a number of viewpoints in the winter of Year 1 and that these would not be significant by Year 15. Therefore, the overall conclusions of the ES in this regard remain the same. There are therefore no materially different significant effects for the Project as a whole.</p> <p>The following ES documents have been revised as a result of this change:</p> <ul style="list-style-type: none"> <li>• ES Chapter 8: Landscape and Visual Assessment [EN010147/APP/6.3 -Rev3]; and</li> <li>• Outline Landscape and Ecology Management Plan [EN010147/APP/7.6.3 -Rev5].</li> </ul>
Ecology and Nature Conservation	<p>The proposed change would increase the area of solar installation and refine the layout in this area. This would not result in any change in the Order Limits. The changes would reduce the area of meadow grassland to be provided outwith the panel arrays, replacing it with the grassland to be managed through conservation grazing, as set out in the Outline Landscape and Ecology Management Plan [EN010147/APP/7.6.3]. These changes would not change the overall conclusions set out in the Ecology and Nature Conservation chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p> <p>The following ES documents have been revised as a result of this change:</p> <ul style="list-style-type: none"> <li>• ES Appendix 9.13: Biodiversity Net Gain Assessment [EN010147/APP/6.5 -Rev1]; and</li> <li>• Outline Landscape and Ecology Management Plan [EN010147/APP/7.6.3-Rev5].</li> </ul>
Hydrology and Flood Risk	<p>The proposed change would increase the area of solar installation and refine the layout in this area. This would not result in any change in the Order Limits. The additional proposed area of solar installation is located within areas identified as being of 'Low' to 'High' surface water risk.</p> <p>However, these changes would not change the overall conclusions set out in the Hydrology and Flood Risk chapter of the ES. There are therefore no new or materially different significant effects.</p> <p>A Technical Note (Review of Hydrology and Flood Risk Impacts with respect to Proposed Change 6) has been produced to outline the surface water risk. This is provided at Appendix 2 of this ES Addendum.</p>

EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change																						
Ground Conditions	The proposed change would increase the area of solar installation and refine the layout in this area. This would not result in any change in the Order Limits. These changes would not change the overall conclusions set out in the Ground Conditions chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.																						
Traffic and Transport	The proposed change would increase the area of solar installation and refine the layout in this area. This would not result in any change in the Order Limits. These changes would not change the overall conclusions set out in the Traffic and Transport chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.																						
Noise and Vibration	The proposed change would increase the area of solar installation and refine the layout in this area. This would not result in any change in the Order Limits and the changes do not include alterations to any noise producing equipment. These changes would not change the overall conclusions set out in the Noise and Vibration chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.																						
Climate Change	The proposed change would increase the area of solar installation and refine the layout in this area. This would not change the overall conclusions set out in the Climate Change chapter of the ES. The proposed change does not introduce any significant changes to the assessment. There are therefore no new or materially different significant effects.																						
Socio-economics	The proposed change would increase the area of solar installation and refine the layout in this area. This would not result in any change in the Order Limits. This would not alter the area affected by the Project but would not change the overall conclusions set out in the Socio-economics chapter of the ES. The proposed change does not introduce any significant changes to the assessment. There are therefore no new or materially different significant effects.																						
Human Health	The proposed change would increase the area of solar installation and refine the layout in this area. This would not result in any change in the Order Limits. These changes would not change the overall conclusions set out in the Human Health chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.																						
Agricultural Land Use and Public Rights of Way	<p>With respect to agricultural land, the proposed change would increase the area of agricultural land subject to solar installation west of the A420 by 2.41 hectares. The table below summarises the difference in quantity of each ALC grade between the current design and with Proposed Change 6.</p> <table><tr><th rowspan="2">Area subject to change</th><th rowspan="2">Design Iteration</th><th colspan="4">ALC Grade (ha)</th><th rowspan="2">Non-agricultural (ha)</th><th rowspan="2">Not surveyed (ha)</th><th rowspan="2">Total (ha)</th></tr><tr><th>1</th><th>2</th><th>3a</th><th>3b</th></tr><tr><td><b>Solar Installation Area</b></td><td><b>Difference with Proposed Change 6</b></td><td>0.00</td><td>0.00</td><td>+0.64</td><td>+1.77</td><td>0.00</td><td>0.00</td><td><b>+2.41</b></td></tr></table>	Area subject to change	Design Iteration	ALC Grade (ha)				Non-agricultural (ha)	Not surveyed (ha)	Total (ha)	1	2	3a	3b	<b>Solar Installation Area</b>	<b>Difference with Proposed Change 6</b>	0.00	0.00	+0.64	+1.77	0.00	0.00	<b>+2.41</b>
Area subject to change	Design Iteration			ALC Grade (ha)							Non-agricultural (ha)	Not surveyed (ha)	Total (ha)										
		1	2	3a	3b																		
<b>Solar Installation Area</b>	<b>Difference with Proposed Change 6</b>	0.00	0.00	+0.64	+1.77	0.00	0.00	<b>+2.41</b>															
<p>With respect to PRoW, the proposed change would result in no material change in access to the PRoW network.</p> <p>Taking the above information into account, the proposed change would not change the overall conclusions set out in the Agricultural Land Use and Public Rights of Way chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>																							

EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change
	<p>The following ES documents have been revised as a result of this change:</p> <ul style="list-style-type: none"> <li>Figure 17.3 – Surveyed ALC Grades [EN010147/APP/6.4 -Rev1];</li> <li>Figure 17.4 – Land Holdings [EN010147/APP/6.3 -Rev1].</li> </ul>
Waste and Resources	The proposed change would increase the area of solar installation and refine the layout in this area. This would not change the overall conclusions set out in the Waste and Resources chapter of the ES. The proposed change does not introduce any significant changes to the assessment. There are therefore no new or materially different significant effects.
Air Quality	The proposed change would increase the area of solar installation and refine the layout in this area. This would not result in any change in the Order Limits. These changes would not change the overall conclusions set out in the Air Quality chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Cumulative Effects and Inter-relationships	The proposed change does not introduce any significant changes to the assessment. There are therefore no new or materially different significant effects.



## 8.3 Conclusions

- 8.3.1 This section has reviewed the implications of Proposed Change 6 in relation to the assessment of effects set out in the ES.
- 8.3.2 As set out in **Table 8.1**, no new or materially different significant effects have been identified.
- 8.3.3 For some topics, a slight change in the likely impacts has been identified but this would not affect the conclusions reached in the ES. This includes ecology and nature conservation and hydrology and flood risk.
- 8.3.4 For landscape and visual assessment, the ES identified that there would be temporary significant effects on a number of viewpoints in the winter of Year 1 and that these would not be significant by Year 15. Therefore, the overall conclusions of the ES in this regard remain the same. There are therefore no materially different significant effects for the Project as a whole.

## 9 Review of Environmental Assessment: Proposed Change 7

### 9.1 Introduction

- 9.1.1 This section of the ES Addendum reviews the implications of Proposed Change 7 in relation to the assessment of environmental effects.
- 9.1.2 It details whether any new or materially different significant environmental effects would arise as a result of the proposed changes.

### 9.2 Review of Environmental Effects

- 9.2.1 **Table 9.1** reviews the implications of Proposed Change 7 for the assessment of effects.
- 9.2.2 For each of the EIA topics, it identifies whether there would be any new or materially different significant effects arising as a result of the Project, as amended by the proposed changes.

**Table 9.1: Review of Proposed Change 7**

EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change
Historic Environment	The proposed change would reduce the Order Limits in small number of areas. The area affected by the reduction in Order Limits is minimal. These changes would not change the overall conclusions set out in the Historic Environment chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Landscape and Visual Assessment	The proposed change would reduce the Order Limits in small number of areas. The area affected by the reduction in Order Limits is minimal. These changes would not change the overall conclusions set out in the Landscape and Visual Assessment chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Ecology and Nature Conservation	The proposed change would reduce the Order Limits in small number of areas. The area affected by the reduction in Order Limits is minimal. These changes would not change the overall conclusions set out in the Ecology and Nature Conservation chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Hydrology and Flood Risk	The proposed change would reduce the Order Limits in small number of areas. The area affected by the reduction in Order Limits is minimal. These changes would not change the overall conclusions set out in the Hydrology and Flood Risk chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Ground Conditions	The proposed change would reduce the Order Limits in small number of areas. The area affected by the reduction in Order Limits is minimal. These changes would not change the overall conclusions set out in the Ground Conditions chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Traffic and Transport	The proposed change would reduce the Order Limits in small number of areas. The area affected by the reduction in Order Limits is minimal. These changes would not change the overall conclusions set out in the Traffic and Transport chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Noise and Vibration	The proposed change would reduce the Order Limits in small number of areas. The area affected by the reduction in Order Limits is minimal. These changes would not change the overall conclusions set out in the Noise and Vibration chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Climate Change	The proposed change would reduce the Order Limits in small number of areas. The area affected by the reduction in Order Limits is minimal. These changes would not change the overall conclusions set out in the Climate Change chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Socio-economics	The proposed change would reduce the Order Limits in small number of areas. The area affected by the reduction in Order Limits is minimal. These changes would not change the overall conclusions set out in the Socio-economics chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Human Health	The proposed change would reduce the Order Limits in small number of areas. The area affected by the reduction in Order Limits is minimal. These changes would not change the overall conclusions set out in the Human Health chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.

EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change
Agricultural Land Use and Public Rights of Way	<p>With respect to agricultural land, the proposed change would result the removal of 0.005 hectares of agricultural land from the Order Limits. Due to the small change in agricultural land affected by Proposed Change 7, a separate table comparing the quantities of each ALC grade has not been provided.</p> <p>With respect to PRoW, the proposed change would result in no material change in access to the PRoW network.</p> <p>Therefore, taking the above information into account, Proposed Change 7 does not introduce any new or materially different significant effects on Agricultural Land Use and Public Rights of Way.</p> <p>The following ES documents have been revised as a result of this change:</p> <ul style="list-style-type: none"> <li>• Figure 17.3 – Surveyed ALC Grades [EN010147/APP/6.4 -Rev1];</li> <li>• Figure 17.4 – Land Holdings [EN010147/APP/6.3 -Rev1];</li> <li>• Figure 17.5 – PRoW and Other Promoted Routes [EN010147/APP/6.4 -Rev1]; and</li> <li>• Public Rights of Way Management Plan, which forms Annex B of the Outline Code of Construction Practice – Part 1 and 2 [EN010147/APP/7.6.1 -Rev5].</li> </ul>
Waste and Resources	<p>The proposed change would reduce the Order Limits in small number of areas. The area affected by the reduction in Order Limits is minimal. These changes would not change the overall conclusions set out in the Waste and Resources chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Air Quality	<p>The proposed change would reduce the Order Limits in small number of areas. The area affected by the reduction in Order Limits is minimal. These changes would not change the overall conclusions set out in the Air Quality chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Cumulative Effects and Inter-relationships	<p>The proposed change does not introduce any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>

## 9.3 Conclusions

- 9.3.1 This section has reviewed the implications of Proposed Change 7 in relation to the assessment of effects set out in the ES.
- 9.3.2 As set out in **Table 9.1**, no new or materially different significant effects have been identified.

## 10 Review of Environmental Assessment: Proposed Change 8

### 10.1 Introduction

- 10.1.1 This section of the ES Addendum reviews the implications of Proposed Change 8 in relation to the assessment of environmental effects.
- 10.1.2 It details whether any new or materially different significant environmental effects would arise as a result of the proposed changes.

### 10.2 Review of Environmental Effects

- 10.2.1 **Table 10.1** reviews the implications of Proposed Change 8 for the assessment of effects.
- 10.2.2 For each of the EIA topics, it identifies whether there would be any new or materially different significant effects arising as a result of the Project, as amended by the proposed changes.

**Table 10.1: Review of Proposed Change 8**

EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change
Historic Environment	The proposed change would refine the layout of the solar installation in small number of areas. This would not result in any change in the Order Limits. The area affected by the layout refinement is minimal. These changes would not change the overall conclusions set out in the Historic Environment chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Landscape and Visual Assessment	The proposed change would refine the layout of the solar installation in small number of areas. This would not result in any change in the Order Limits. The area affected by the layout refinement is minimal.  This proposed change would result in a barely perceptible change in visual effects identified within the LVIA (Representative Viewpoint 8).  These changes would not change the overall conclusions set out in the Landscape and Visual Assessment chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Ecology and Nature Conservation	The proposed change would refine the layout of the solar installation in small number of areas. This would not result in any change in the Order Limits. The area affected by the layout refinement is minimal. These changes would not change the overall conclusions set out in the Ecology and Nature Conservation chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Hydrology and Flood Risk	The proposed change would refine the layout of the solar installation in small number of areas. This would not result in any change in the Order Limits. The area affected by the layout refinement is minimal. These changes would not change the overall conclusions set out in the Hydrology and Flood Risk chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Ground Conditions	The proposed change would refine the layout of the solar installation in small number of areas. This would not result in any change in the Order Limits. The area affected by the layout refinement is minimal. These changes would not change the overall conclusions set out in the Ground Conditions chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Traffic and Transport	The proposed change would refine the layout of the solar installation in small number of areas. This would not result in any change in the Order Limits. The area affected by the layout refinement is minimal. These changes would not change the overall conclusions set out in the Traffic and Transport chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Noise and Vibration	The proposed change would refine the layout of the solar installation in small number of areas. This would not result in any change in the Order Limits. The area affected by the layout refinement is minimal. These changes would not change the overall conclusions set out in the Noise and Vibration chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Climate Change	The proposed change would refine the layout of the solar installation in small number of areas. This would not result in any change in the Order Limits. The area affected by the layout refinement is minimal. These changes would not change the overall conclusions set out in the Climate Change chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.

EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change							
Socio-economics	The proposed change would refine the layout of the solar installation in small number of areas. This would not result in any change in the Order Limits. The area affected by the layout refinement is minimal. These changes would not change the overall conclusions set out in the Socio-economics chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.							
Human Health	The proposed change would refine the layout of the solar installation in small number of areas. This would not result in any change in the Order Limits. The area affected by the layout refinement is minimal. The proposed change represents a slight reduction to the adverse health influences associated with use of the countryside for leisure and physical activity, in particular to users of the affected PRoW, as it will avoid the need for diversion or closure of the footpaths 132/4/10, 152/8/10 and 416/24/10 during all stages of the Project. However, these changes would not change the overall conclusions set out in the Human Health chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.							
Agricultural Land Use and Public Rights of Way	With respect to agricultural land, the proposed change would increase the area of agricultural land subject to solar installation by 0.01 hectares. The table below summarises the difference in quantity of each ALC grade between the current design and with Proposed Change 8.							
Area subject to change	Design Iteration	ALC Grade (ha)				Non-agricultural (ha)	Not surveyed (ha)	Total (ha)
		1	2	3a	3b			
<b>Solar Installation Area</b>	<b>Difference with Proposed Change 8</b>	0.00	0.00	-0.11	+0.12	0.00	0.00	<b>+0.01</b>
<p>With respect to PRoW, the proposed change would avoid the requirement for the permanent stopping up and diversion of public footpaths 132/4/10, 152/8/10 and 416/24/10 during construction, operation and maintenance and decommissioning of the Project. This proposed change addresses some of the concerns raised in by Oxfordshire Host Authorities and Bladon Parish Council, which relate to the requirement for permanent diversions. In addition, the Applicant proposes to delete the diversion of the Oxford greenbelt way. Taking the above information into account, the proposed change would not change the overall conclusions set out in the Agricultural Land Use and Public Rights of Way chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p> <p>The following ES documents have been revised as a result of this change:</p> <ul style="list-style-type: none"> <li>• Figure 17.3 – Surveyed ALC Grades [EN010147/APP/6.4 -Rev1];</li> <li>• Figure 17.4 – Land Holdings [EN010147/APP/6.3 -Rev1];</li> <li>• Figure 17.5 – PRoW and Other Promoted Routes [EN010147/APP/6.4 -Rev1]; and</li> <li>• Public Rights of Way Management Plan, which forms Annex B of the Outline Code of Construction Practice – Part 1 and 2 [EN010147/APP/7.6.1 -Rev5].</li> </ul>								
Waste and Resources	The proposed change would refine the layout of the solar installation in small number of areas. This would not result in any change in the Order Limits. The area affected by the layout refinement is minimal. These changes would not change the overall conclusions set out in the Waste and Resources							



EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change
Air Quality	<p>chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p> <p>The proposed change would refine the layout of the solar installation in small number of areas. This would not result in any change in the Order Limits. The area affected by the layout refinement is minimal. These changes would not change the overall conclusions set out in the Air Quality chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Cumulative Effects and Inter-relationships	<p>The proposed change does not introduce any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>

## 10.3 Conclusions

- 10.3.1 This section has reviewed the implications of Proposed Change 8 in relation to the assessment of effects set out in the ES.
- 10.3.2 As set out in **Table 10.1**, no new or materially different significant effects have been identified.

## 11 Review of Environmental Assessment: Proposed Change 9

### 11.1 Introduction

- 11.1.1 This section of the ES Addendum reviews the implications of Proposed Change 9 in relation to the assessment of environmental effects.
- 11.1.2 It details whether any new or materially different significant environmental effects would arise as a result of the proposed changes.

### 11.2 Review of Environmental Effects

- 11.2.1 **Table 11.1** reviews the implications of Proposed Change 9 for the assessment of effects.
- 11.2.2 For each of the EIA topics, it identifies whether there would be any new or materially different significant effects arising as a result of the Project, as amended by the proposed changes.

**Table 11.1: Review of Proposed Change 9**

EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change
Historic Environment	The proposed change would reduce the Order Limits in small number of areas. The area affected by the reduction in Order Limits is minimal. These changes would not change the overall conclusions set out in the Historic Environment chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Landscape and Visual Assessment	The proposed change would reduce the Order Limits in small number of areas. The area affected by the reduction in Order Limits is minimal. These changes would not change the overall conclusions set out in the Landscape and Visual Assessment chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Ecology and Nature Conservation	The proposed change would reduce the Order Limits in small number of areas. The area affected by the reduction in Order Limits is minimal. These changes would not change the overall conclusions set out in the Ecology and Nature Conservation chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Hydrology and Flood Risk	The proposed change would reduce the Order Limits in small number of areas. The area affected by the reduction in Order Limits is minimal. This will result in very minor reduction in areas located within areas identified as of 'Low' and 'Medium' surface water risk. These changes would not change the overall conclusions set out in the Hydrology and Flood Risk chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Ground Conditions	The proposed change would reduce the Order Limits in small number of areas. The area affected by the reduction in Order Limits is minimal. These changes would not change the overall conclusions set out in the Ground Conditions chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Traffic and Transport	The proposed change would reduce the Order Limits in small number of areas. The area affected by the reduction in Order Limits is minimal. These changes would not change the overall conclusions set out in the Traffic and Transport chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Noise and Vibration	The proposed change would reduce the Order Limits in small number of areas. The area affected by the reduction in Order Limits is minimal. These changes would not change the overall conclusions set out in the Noise and Vibration chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Climate Change	The proposed change would reduce the Order Limits in small number of areas. The area affected by the reduction in Order Limits is minimal. These changes would not change the overall conclusions set out in the Climate Change chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Socio-economics	The proposed change would reduce the Order Limits in small number of areas. The area affected by the reduction in Order Limits is minimal. These changes would not change the overall conclusions set out in the Socio-economics chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.
Human Health	The proposed change would reduce the Order Limits in small number of areas. The area affected by the reduction in Order Limits is minimal. These changes would not change the overall conclusions set out in the Human Health chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.

EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change								
Agricultural Land Use and Public Rights of Way	With respect to agricultural land, the proposed change would result in the removal of 0.6 hectares of non-agricultural land within the Order Limits. The re-routing of the indicative 275 kV cable route would not change the quantity or quality of agricultural land affected, as the ALC grade remains the same as the current design of the Project (i.e. non-agricultural). The table below summarises the difference in quantity (ha) of each ALC grade between the current design and with Proposed Change 9.								
	Area subject to change	Design Iteration	ALC Grade (ha)				Non-agricultural (ha)	Not surveyed (ha)	Total (ha)
			1	2	3a	3b			
	Order Limits	Difference with Proposed Change 9	0.00	0.00	0.00	0.00	-0.55	-0.05	-0.60
	With respect to PRoW, the proposed change would result in no material change in access to the PRoW network.								
	Taking the above information into account, the proposed change would not change the overall conclusions set out in the Agricultural Land Use and Public Rights of Way chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.								
	The following ES documents have been revised as a result of this change:								
	<ul style="list-style-type: none"><li>• Figure 17.3 – Surveyed ALC Grades;</li><li>• Figure 17.4 – Land Holdings.</li></ul>								
Waste and Resources	The proposed change would reduce the Order Limits in small number of areas. The area affected by the reduction in Order Limits is minimal. These changes would not change the overall conclusions set out in the Waste and Resources chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.								
Air Quality	The proposed change would reduce the Order Limits in small number of areas. The area affected by the reduction in Order Limits is minimal. These changes would not change the overall conclusions set out in the Air Quality chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.								
Cumulative Effects and Inter-relationships	The proposed change does not introduce any significant changes to the assessment. There are therefore no new or materially different significant effects.								

## 11.3 Conclusions

- 11.3.1 This section has reviewed the implications of Proposed Change 9 in relation to the assessment of effects set out in the ES.
- 11.3.2 As set out in **Table 11.1**, no new or materially different significant effects have been identified.

## 12 Review of Environmental Assessment: Proposed Change 10

### 12.1 Introduction

- 12.1.1 This section of the ES Addendum reviews the implications of Proposed Change 10 in relation to the assessment of environmental effects.
- 12.1.2 It details whether any new or materially different significant environmental effects would arise as a result of the proposed changes.

### 12.2 Review of Environmental Effects

- 12.2.1 **Table 12.1** reviews the implications of Proposed Change 10 for the assessment of effects.
- 12.2.2 For each of the EIA topics, it identifies whether there would be any new or materially different significant effects arising as a result of the Project, as amended by the proposed changes.

**Table 12.1: Review of Proposed Change 10**

EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change
Historic Environment	<p>The proposed change clarifies the status of the educational facility.</p> <p>These changes would not change the overall conclusions set out in the Historic Environment chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Landscape and Visual Assessment	<p>The proposed change clarifies the status of the educational facility. While there would be a slight increase in the buffer area in this location, free of development, the proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Ecology and Nature Conservation	<p>The proposed change clarifies the status of the educational facility. The Applicant now proposes to remove the education facility from the Project and the use the land shown for that purpose (1.15 hectares) for BNG and other ecology measures.</p> <p>These changes would not change the overall conclusions set out in the Ecology and Nature Conservation chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p> <p>The following ES documents have been revised as a result of this change:</p> <ul style="list-style-type: none"> <li>• ES Appendix 9.13: Biodiversity Net Gain Assessment [EN010147/APP/6.5]; and</li> <li>• Outline Landscape and Ecology Management Plan [EN010147/APP/7.6.3].</li> </ul>
Hydrology and Flood Risk	<p>The proposed change clarifies the status of the educational facility.</p> <p>These changes would not change the overall conclusions set out in the Hydrology and Flood Risk chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Ground Conditions	<p>The proposed change clarifies the status of the educational facility.</p> <p>These changes would not change the overall conclusions set out in the Ground Conditions chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Traffic and Transport	<p>The proposed change clarifies the status of the educational facility.</p> <p>These changes would not change the overall conclusions set out in the Traffic and Transport chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Noise and Vibration	<p>The proposed change clarifies the status of the educational facility.</p> <p>These changes would not change the overall conclusions set out in the Noise and Vibration chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Climate Change	<p>The proposed change clarifies the status of the educational facility.</p> <p>These changes would not change the overall conclusions set out in the Climate Change chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Socio-economics	<p>The proposed change clarifies the status of the educational facility.</p>



EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change
Human Health	<p>These changes would not change the overall conclusions set out in the Socio-economics chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p> <p>The proposed change clarifies the status of the educational facility.</p> <p>ES Chapter 16 Human Health paragraph 16.9.133 sets out that the expectation was that there would be post-consent community involvement in the refinement of design and selection of an appropriate location for the educational facility. This proposed change removes the educational facility but retains other proposed health improvements, including educational boards and trails. Project commitments include:</p> <ul style="list-style-type: none"> <li>• Provide children's fun trails and education boards (e.g., on wildlife, heritage and solar energy), which could provide local schools with basic opportunities to undertake their own learning activities.</li> <li>• Work with local education and training providers to support opportunities to provide local adult learning linked to construction, operation and maintenance and decommissioning job opportunities relevant to disadvantaged adults facing skills barriers to employment opportunities.</li> <li>• As far as reasonably practicable (e.g. subject to standards and security checks) provide a targeted scheme of access to construction, operation and maintenance and decommissioning training schemes and apprenticeships for young people in the local and regional area who are Not in Education, Employment, or Training (NEET).</li> </ul> <p>The clarification regarding the status of the educational facility would not change the overall conclusions set out in the Human Health chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p> <p>The following ES documents have been revised as a result of this change:</p> <ul style="list-style-type: none"> <li>• ES Chapter 16: Human Health [EN010147/APP/6.3].</li> </ul>
Agricultural Land Use and Public Rights of Way	<p>The proposed change clarifies the status of the educational facility.</p> <p>These changes would not change the overall conclusions set out in the Agricultural Land Use and Public Rights of Way chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Waste and Resources	<p>The proposed change clarifies the status of the educational facility. These changes would not change the overall conclusions set out in the Waste and Resources chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Air Quality	<p>The proposed change clarifies the status of the educational facility. These changes would not change the overall conclusions set out in the Air Quality chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Cumulative Effects and Inter-relationships	<p>The proposed change does not introduce any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>

## 12.3 Conclusions

- 12.3.1 This section has reviewed the implications of Proposed Change 10 in relation to the assessment of effects set out in the ES.
- 12.3.2 As set out in **Table 12.1**, no new or materially different significant effects have been identified.
- 12.3.3 For ecology and nature conservation, an increase in BNG has been identified but this would not affect the conclusions reached in the ES.

## 13 Review of Environmental Assessment: Proposed Change 11

### 13.1 Introduction

- 13.1.1 This section of the ES Addendum reviews the implications of Proposed Change 11 in relation to the assessment of environmental effects.
- 13.1.2 It details whether any new or materially different significant environmental effects would arise as a result of the proposed changes.

### 13.2 Review of Environmental Effects

- 13.2.1 **Table 13.1** reviews the implications of Proposed Change 11 for the assessment of effects.
- 13.2.2 For each of the EIA topics, it identifies whether there would be any new or materially different significant effects arising as a result of the Project, as amended by the proposed changes.

**Table 13.1: Review of Proposed Change 11**

EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change
Historic Environment	<p>The proposed change would refine the parameters of the new National Grid substation for the scenario where the National Grid substation remains located within the Order Limits. The changes in parameters would not result in any change in the Order Limits.</p> <p>The ES considered the impact of the National Grid substation being provided within the Order Limits in this broad location. However, the refined parameters include a slight increase in the height of the main GIS building.</p> <p>These changes would not change the overall conclusions set out in the Historic Environment chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Landscape and Visual Assessment	<p>The proposed change would refine the parameters of the new National Grid substation for the scenario where the National Grid substation remains located within the Order Limits. The changes in parameters would not result in any change in the Order Limits.</p> <p>The ES considered the impact of the National Grid substation being provided within the Order Limits in this broad location. However, the refined parameters include a slight increase in the height of the main GIS building. The indicative layout provided by National Grid indicates that there may be some hedgerow loss associated with the refined parameters. However, it is possible that the layout could be amended to avoid this.</p> <p>A significant visual effect has already been identified on a reasonable worst case basis within the LVIA, Representative Viewpoint 50, as a result of views to the NGET substation. An increase in the maximum height, to 15 m, would not materially affect this conclusion.</p> <p>These changes would not change the overall conclusions set out in the Landscape and Visual Assessment chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Ecology and Nature Conservation	<p>The proposed change would refine the parameters of the new National Grid substation for the scenario where the National Grid substation remains located within the Order Limits. The changes in parameters would not result in any change in the Order Limits.</p> <p>The ES considered the impact of the National Grid substation being provided within the Order Limits in this broad location. The indicative layout provided by National Grid indicates that there may be some hedgerow loss associated with the refined parameters. However, it is possible that the layout could be amended to avoid this. The ES as submitted already assumed that there would be a large length of hedgerow loss in this location (removal ref H13.01, [REP2-044]).</p> <p>These changes would therefore not change the overall conclusions set out in the Ecology and Nature Conservation chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Hydrology and Flood Risk	<p>The proposed change would refine the parameters of the new National Grid substation for the scenario where the National Grid substation remains located within the Order Limits. The changes in parameters would not result in any change in the Order Limits.</p> <p>The ES considered the impact of the National Grid substation being provided within the Order Limits in this broad location.</p> <p>These changes would not change the overall conclusions set out in the Hydrology and Flood Risk chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Ground Conditions	<p>The proposed change would refine the parameters of the new National Grid substation for the scenario where the National Grid substation remains located within the Order Limits. The changes in parameters would not result in any change in the Order Limits.</p> <p>The ES considered the impact of the National Grid substation being provided within the Order Limits in this broad location.</p>

EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change
	<p>These changes would not change the overall conclusions set out in the Ground Conditions chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Traffic and Transport	<p>The proposed change would refine the parameters of the new National Grid substation for the scenario where the National Grid substation remains located within the Order Limits. The changes in parameters would not result in any change in the Order Limits.</p> <p>The ES considered the impact of the National Grid substation being provided within the Order Limits in this broad location.</p> <p>These changes would not change the overall conclusions set out in the Traffic and Transport chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Noise and Vibration	<p>The proposed change would refine the parameters of the new National Grid substation for the scenario where the National Grid substation remains located within the Order Limits. The changes in parameters would not result in any change in the Order Limits.</p> <p>The ES considered the impact of the National Grid substation being provided within the Order Limits in this broad location.</p> <p>These changes would not change the overall conclusions set out in the Noise and Vibration chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Climate Change	<p>The proposed change would refine the parameters of the new National Grid substation for the scenario where the National Grid substation remains located within the Order Limits. The changes in parameters would not result in any change in the Order Limits.</p> <p>The ES considered the impact of the National Grid substation being provided within the Order Limits in this broad location.</p> <p>The proposed changes would not change the overall conclusions set out in the Climate Change chapter of the ES. The proposed change does not introduce any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Socio-economics	<p>The proposed change would refine the parameters of the new National Grid substation for the scenario where the National Grid substation remains located within the Order Limits. The changes in parameters would not result in any change in the Order Limits.</p> <p>The ES considered the impact of the National Grid substation being provided within the Order Limits in this broad location.</p> <p>The proposed changes would not change the overall conclusions set out in the Socio-economics chapter of the ES. The proposed change does not introduce any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Human Health	<p>The proposed change would refine the parameters of the new National Grid substation for the scenario where the National Grid substation remains located within the Order Limits. The changes in parameters would not result in any change in the Order Limits.</p> <p>The ES considered the impact of the National Grid substation being provided within the Order Limits in this broad location.</p> <p>These changes would not change the overall conclusions set out in the Human Health chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Agricultural Land Use and Public Rights of Way	<p>The proposed change would refine the parameters of the new National Grid substation for the scenario where the National Grid substation remains located within the Order Limits. The changes in parameters would not result in any change in the Order Limits.</p> <p>The ES considered the impact of the National Grid substation being provided within the Order Limits in this broad location.</p>

EIA topic	Review of whether any new or materially different significant effects would arise as a result of the proposed change
	<p>These changes would not result in any additional loss of agricultural land and would not change the overall conclusions set out in the Agricultural Land Use and Public Rights of Way chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Waste and Resources	<p>The proposed change would refine the parameters of the new National Grid substation for the scenario where the National Grid substation remains located within the Order Limits. The changes in parameters would not result in any change in the Order Limits.</p> <p>The ES considered the impact of the National Grid substation being provided within the Order Limits in this broad location</p> <p>This would not change the overall conclusions set out in the Waste and Resources chapter of the ES. The proposed change does not introduce any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Air Quality	<p>The proposed change would refine the parameters of the new National Grid substation for the scenario where the National Grid substation remains located within the Order Limits. The changes in parameters would not result in any change in the Order Limits.</p> <p>The ES considered the impact of the National Grid substation being provided within the Order Limits in this broad location</p> <p>These changes would not change the overall conclusions set out in the Air Quality chapter of the ES. The proposed change does not introduce any new elements or any significant changes to the assessment. There are therefore no new or materially different significant effects.</p>
Cumulative Effects and Inter-relationships	<p>Proposed change 11 relates to a change in the parameters of the National Grid substation. The implications of these changes, in terms of the environmental effects, are considered above for the scenario where the National Grid substation remains located within the Order Limits.</p> <p>In the event that the National Grid substation is located adjacent to, but outside of, the Order Limits to the west (as altered by proposed change 3), the amended substation parameters would represent a cumulative impact in environmental terms. This is considered in the Applicant's response to deadline 5, in the updated cumulative assessment.</p>

## 13.3 Conclusions

- 13.3.1 This section has reviewed the implications of Proposed Change 11 in relation to the assessment of effects set out in the ES.
- 13.3.2 As set out in **Table 13.1** Table 13.1, no new or materially different significant effects have been identified.

## 14 Summary and Conclusions

14.1.1 This ES Addendum considers the environmental implications of the proposed changes to the Project.

### 14.2 Review of Environmental Effects

14.2.1 **Table 14.1** summarises the findings of the assessment for each proposed change.

**Table 14.1: Summary of Proposed Project Changes in Relation to the Environmental Assessment**

Summary Description	Review of whether any new or materially different significant effects would arise as a result of the proposed changes
Reduction in Order Limits boundary to reduce the solar installation area south west of Bladon and removal of solar arrays on land east of Bladon and on land north of Heath Lane.	<p>Proposed Change 1 does not introduce any new or materially different significant effects than those reported in the ES.</p> <p>For some topics, a reduction in the likely impacts has been identified but this would not affect the conclusions reached in the ES. This includes ecology and nature conservation; hydrology and flood risk; noise and vibration; and air quality.</p> <p>For the following topics, a reduction in effects has been identified:</p> <ul style="list-style-type: none"> <li>• historic environment; and</li> <li>• landscape and visual assessment.</li> </ul> <p>For these topics, changes in the significance of effects reported in the ES would be an improvement compared to the effects assessed in the ES, such that there would be no effects greater than those reported in the ES.</p>
Reduction in Order Limits boundary to reduce the solar installation area near to Oxford Airport.	<p>Proposed Change 2 does not introduce any new or materially different significant effects than those reported in the ES.</p> <p>For some topics, a reduction in the likely impacts has been identified but this would not affect the conclusions reached in the ES. This includes ecology and nature conservation; hydrology and flood risk, noise and vibration; and air quality.</p> <p>For the following topics, a reduction in effects has been identified:</p> <ul style="list-style-type: none"> <li>• historic environment; and</li> <li>• landscape and visual assessment.</li> </ul> <p>For these topics, changes in the significance of effects reported in the ES would be an improvement compared to the effects assessed in the ES, such that there would be no effects greater than those reported in the ES.</p>
Refinement of Project layout and design to reposition the main Project substation and secondary substation.	<p>Proposed Change 3 does not introduce any new or materially different significant effects than those reported in the ES.</p>
Reduction in Order Limits boundary to reduce the solar installation area on land east of Lower Road.	<p>Proposed Change 4 does not introduce any new or materially different significant effects than those reported in the ES.</p> <p>For some topics, a reduction in the likely impacts has been identified but this would not affect the conclusions reached in the ES. This includes ecology and nature conservation; hydrology and flood risk, ground conditions; noise and vibration; and air quality.</p> <p>For the following topics, a reduction in effects has been identified:</p> <ul style="list-style-type: none"> <li>• historic environment; and</li> <li>• landscape and visual assessment.</li> </ul> <p>For these topics, changes in the significance of effects reported in the ES would be an improvement compared to the effects assessed in the ES, such that there would be no effects greater than those reported in the ES.</p>



Summary Description	Review of whether any new or materially different significant effects would arise as a result of the proposed changes
Refinement of Project layout and design to remove solar installation areas overlapping with Flood Zones 2 and 3.	Proposed Change 5 does not introduce any new or materially different significant effects than those reported in the ES.
Refinement of Project layout and design to include an additional solar installation area within the Southern Site.	<p>Proposed Change 6 does not introduce any new or materially different significant effects than those reported in the ES.</p> <p>For some topics, a slight change in the likely impacts has been identified but this would not affect the conclusions reached in the ES. This includes ecology and nature conservation and hydrology and flood risk.</p> <p>For landscape and visual assessment, the ES identified that there would be temporary significant effects on a number of viewpoints in the winter of Year 1 and that these would not be significant by Year 15. Therefore, the overall conclusions of the ES in this regard remain the same. There are therefore no materially different significant effects for the Project as a whole.</p>
Reduction in Order Limits boundary to remove small parcels of land owned by Oxfordshire County Council (Estates).	Proposed Change 7 does not introduce any new or materially different significant effects than those reported in the ES.
Refinement of Project layout and design to reposition the Public Rights of Way proposed to be stopped up and diverted back to definitive alignment.	Proposed Change 8 does not introduce any new or materially different significant effects than those reported in the ES.
Reduction in Order Limits boundary to remove an area of land along Wharf Road.	Proposed Change 9 does not introduce any new or materially different significant effects than those reported in the ES.
Clarification of the role of the proposed educational facility.	<p>Proposed Change 10 does not introduce any new or materially different significant effects than those reported in the ES.</p> <p>For ecology and nature conservation, an increase in BNG has been identified but this would not affect the conclusions reached in the ES.</p>
Refinement of Project layout and design to secure the latest design parameters for the new National Grid substation.	Proposed Change 11 does not introduce any new or materially different significant effects than those reported in the ES.

## 14.3 Status of ES Documents

- 14.3.1 The following new documents have been provided to support the ES addendum:
- Hydrology and Flood Risk Technical Note 1 (see Appendix 1 of this ES Addendum); and
  - Hydrology and Flood Risk Technical Note 2 (see Appendix 2 of this ES Addendum).
- 14.3.2 **Table 14.2** sets out details of any ES documents for which updated or replacement versions have been provided, in order to assess the Project, as amended by the proposed changes.

**Table 14.2: Status of ES Documents**

Reference /ID	ES Chapter/ Appendix No	Document Name	Status	Updated Status
EN010147/ APP/6.3	ES Chapter 7	Historic Environment	Rev 2	Rev 3

Reference /ID	ES Chapter/ Appendix No	Document Name	Status	Updated Status
EN010147/ APP/ 6.5	ES Appendix 7.4	Heritage Impact Assessment – Blenheim Palace World Heritage Site	Rev 0	Rev 1
EN010147/ APP/6.5	ES Appendix 7.5	Settings Assessment	Rev 1	Rev2
REP2-021	7.6.5	Outline Written Scheme of Investigation	Rev 2	Rev 3
EN010147/ APP/6.3	ES Chapter 8	Landscape and Visual Assessment	Rev 2	Rev 3
EN010147/ APP/6.5	ES Appendix 9.13	Biodiversity Net Gain Assessment	Rev 0	Rev 1
EN010147/ APP/12.7	12.7	Additional Photomontages for Historic Environment Assessment – Part 1	Rev 0	Rev 1
EN010147/ APP/12.7	12.7	Additional Photomontages for Historic Environment Assessment – Part 2	Rev 0	Rev 1
EN010147/ APP/12.7	12.7	Additional Photomontages for Historic Environment Assessment – Part 3	Rev 0	Rev 1
EN010147/ APP/12.7	12.7	Additional Photomontages for Historic Environment Assessment – Part 4	Rev 0	Rev 1
EN010147/ APP/6.3	ES Chapter 16	Human Health	Rev 0	Rev 1
EN010147/ APP/6.4	ES Figure 17.3	Surveyed ALC Grades	Rev 0	Rev 1
EN010147/ APP/6.4	ES Figure 17.4	Land Holdings	Rev 0	Rev 1
EN010147/ APP/6.4	ES Figure 17.5	PRoW and Other Promoted Routes	Rev 0	Rev 1
EN010147/ APP/7.6.1	Volume 7, 7.6.1: Outline Code of Construction Practice – Part 1	Annex B Outline Public Rights of Way Management Plan	Rev 3	Rev 4
EN010147/ APP/7.6.1	Volume 7, 7.6.1: Outline Code of Construction Practice – Part 2	Annex B Outline Public Rights of Way Management Plan	Rev 3	Rev 4
EN010147/ APP/7.6.2	Volume 7, 7.6.2	Outline Operational Management Plan	Rev 4	Rev 5
EN010147/ APP/7.6.3	Volume 7: 7.6.3	Outline Landscape and Ecology Management Plan	Rev 4	Rev 5

## **14.4 Conclusion**

- 14.4.1 The changes proposed to the Project have arisen through proactive engagement by the Applicant with land owners and consultees. The changes subject to the change request demonstrate the continued application of the mitigation hierarchy by the Applicant in accordance with NPS EN-1.
- 14.4.2 In summary, sections 3 to 13 conclude there would be no new significant effects as a result of the 11 proposed changes in the long term. Some of the proposed changes would result in betterments, particularly with respect to heritage and landscape impacts. Any changes in the significance of effects reported in the ES would be an improvement compared to the effects assessed in the ES, such that there would be no effects greater than those reported in the ES.
- 14.4.3 This ES Addendum does not constitute 'further information' for the purposes of the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (the 'EIA Regulations') (Ref 1-1). This is because the proposed changes are not likely to result in any new or different significant effects, such that it is not relevant to the Examining Authority's ability to reach a reasoned conclusion on the significant effects of the Project (as per Regulation 3 of the EIA Regulations).

## Appendix 1: Hydrology and Flood Risk Technical Note 1



# Botley West Solar Farm

ES Addendum: Appendix 1

September 2025

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PINS Ref: EN010147

Document Ref: EN010147/APP/16.3

Revision Rev 0

APFP Regulation 5(2)(a); Planning Act 2008; and Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations

## Approval for issue

Jonathan Alsop

12 September 2025

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**Photovolt Development Partners GmbH,  
on behalf of SolarFive Ltd.**

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# 1 Hydrology and Flood Risk Technical Note 1

## 1.1 Introduction

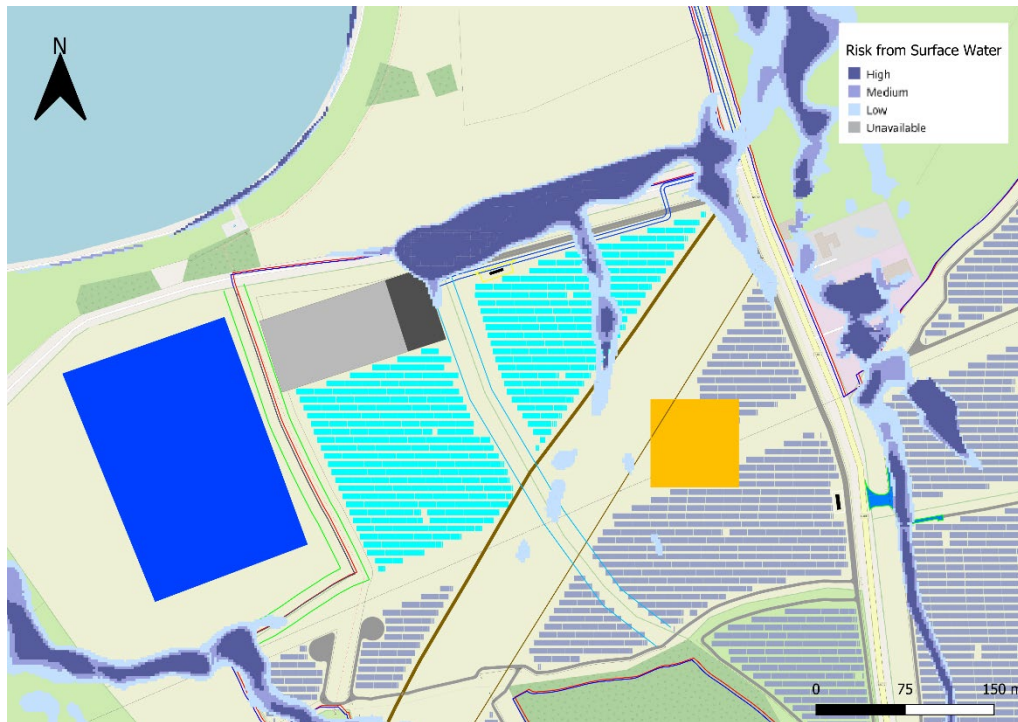
- 1.1.1 Following the submission and acceptance of the application for development consent, the Applicant has continued to engage with affected landowners and key stakeholders. This has resulted in a number of proposed changes in order to, amongst other things, alleviate concerns in relation to environmental effects and to reduce land take where suitable alternative proposals are available. These proposed changes are the subject of a change request.
- 1.1.2 An ES Addendum has been prepared to summarise the proposed changes and present information in relation to the implications of the proposed changes to the Project for each topic considered within the EIA process. It details whether any new or materially different significant environmental effects would arise as a result of the proposed changes. This Technical Note forms part of the ES Addendum, specifically relating to the consideration of Hydrology and Flood Risk impacts for Change 3, as detailed in Section 2.5 of the ES Addendum.

## 1.2 Potential Hydrology and Flood Risk Implications

### Flood Risk Implications

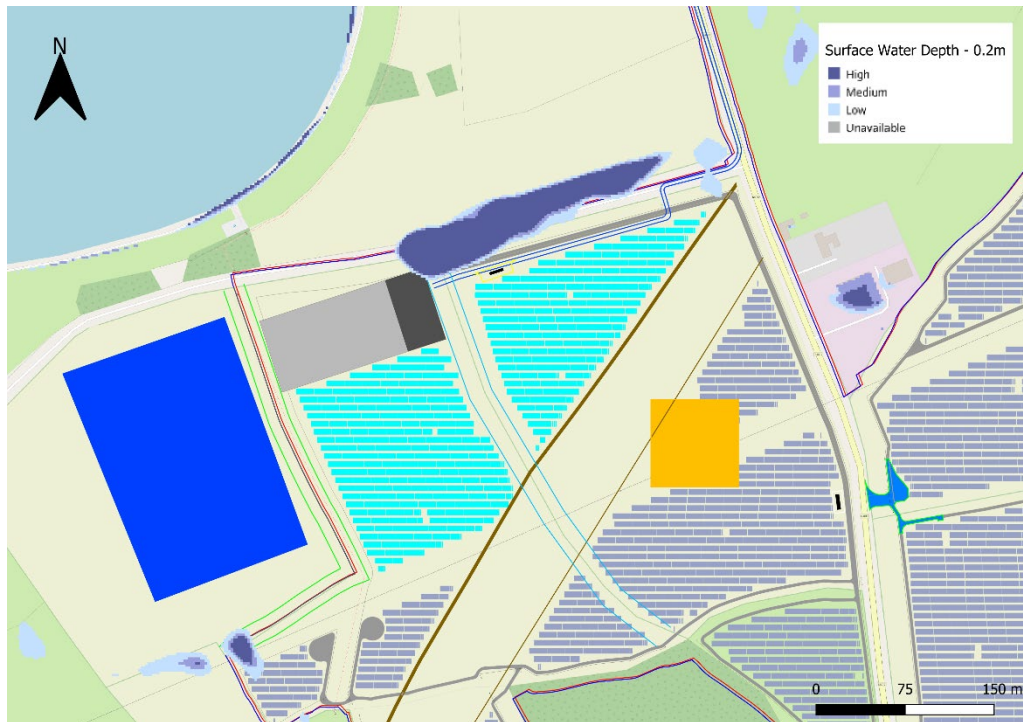
- 1.2.1 As per section 2 of the ES Addendum, the proposed change would amend the layout but would not alter the area of solar installation in this area (compared to the scenario shown on Sheet 13b of the Works Plans). It is therefore pertinent to undertake a review of sources of flood risk and propose any necessary mitigation.
- 1.2.2 EA Flood Zone mapping indicates that the altered solar array area and substation location are located outside of the extent of Flood Zones 2 and 3. The solar array will be located within Flood Zone 1, land designated as having a less than 0.1% annual chance of flooding from rivers and sea.
- 1.2.3 Figure 1.1 below shows the Risk from Surface Water extents in relation to the altered solar array area and substation location. This indicates that 'Low' to 'High' areas of surface water risk are present across the solar array area and within the north east corner of the Secondary Substation. The Main Substation itself is not at risk.



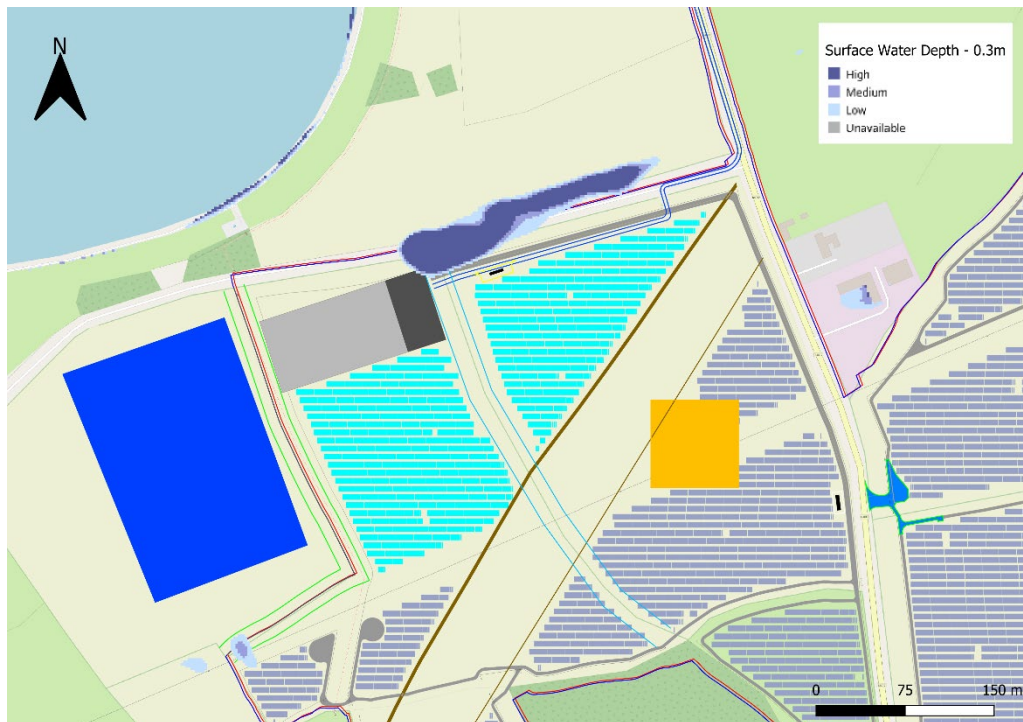


**Figure 1.1: Risk from Surface Water**

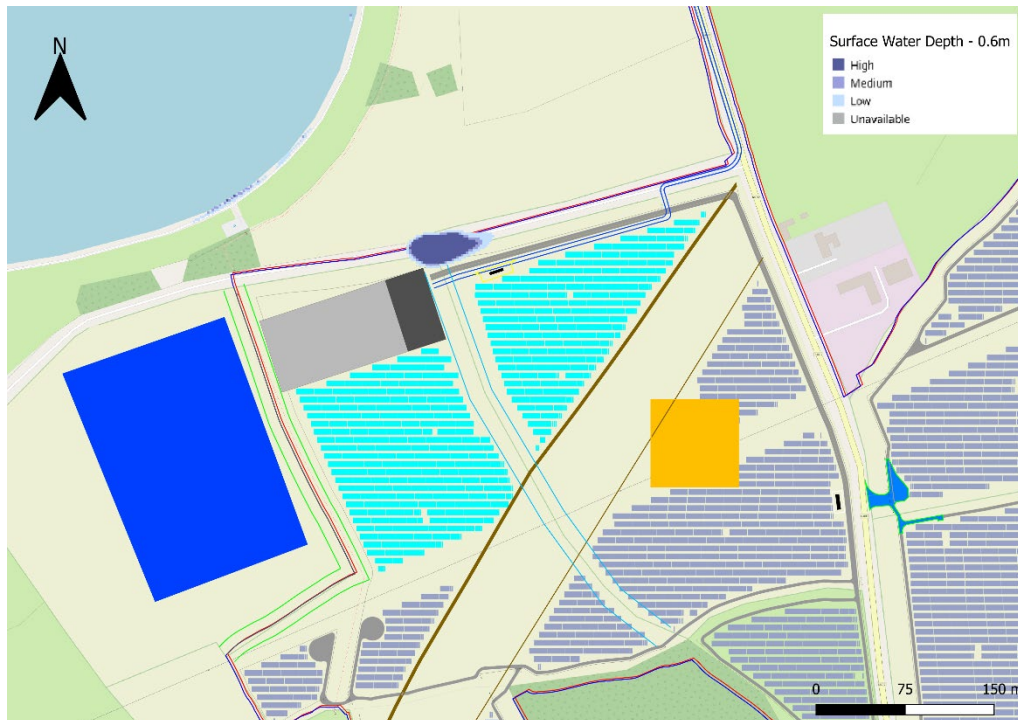
- 1.2.4 Figure 1.2, Figure 1.3 and Figure 1.4 below show the likelihood of surface water for depths of 0.2 m, 0.3 m and 0.6 m, respectively. An assessment was undertaken in relation to LiDAR data for the Project. The highest depths seen in the area of the substation are shown as 'high chance of reaching 300 mm'. LiDAR shows that if the whole area is flooded, there is the potential for depths up to 270 mm to be seen in the lowest point.



**Figure 1.2: Risk from Surface Water – Depth Likelihood 0.2 m**



**Figure 1.3: Risk from Surface Water – Depth Likelihood 0.3 m**



**Figure 1.4.: Risk from Surface Water – Depth Likelihood 0.6 m**

- 1.2.5 None of the depth mapping shows the extent of surface water encroaching upon the areas of the solar arrays, suggesting the flooding they may experience would be below 0.2 m.
- 1.2.6 It is important to note that the area set aside for the Secondary Substation will not be fully occupied. In reality, the area occupied will be much smaller. It is proposed not to place any containerised units or water-sensitive equipment within the north-eastern corner. This area should be left unaltered to prevent any ingress of floodwater here. This will be reflected in finalised plans for the substations.

### **Drainage Implications**

- 1.2.7 The majority of each solar PV installation area will be occupied by solar PV modules. Although modules have a large land take, the actual ground impact is negligible. The only intrusion will be from the driven-piled or screw piled posts, driven 1.0 – 2.5 m below ground level (bgl).
- 1.2.8 Posts are made of galvanised steel and aluminium and are not solid poles. The number of the modules in the altered solar array would be approximately 400 modules.
- 1.2.9 It is proposed there will be a maximum of 1000 piled posts, each with a surface area of 0.00103 m<sup>2</sup>. Total altered post area is therefore expected to be 1.03 m<sup>2</sup> / 0.000103 ha. Development, therefore, equates to a ground impact of 0.002% across the entire solar PV installation area.
- 1.2.10 It is expected that precipitation would be intercepted by between 25% to 40% of the surface of the site, typically over-sailed by solar PV modules. A known concern is the risk of water ‘sheeting’ off a solar array façade. As a result of the construction of the solar panels, some rainfall will be intercepted by the surface of the arrays before reaching ground level. Intercepted rainfall will either run down the face of the panels or in the gaps between solar cells and drip onto the



ground below. Alternatively, water will be lost due to evaporation from the face of the panels.

- 1.2.11 Without mitigation, there is a risk of erosion of the ground on which rainwater drips. This could then result in the formation of rivulets, which could increase the speed at which runoff discharges from the site. However, the potential for erosion to occur as a result of the 'drip effect' is appropriately mitigated by features of the solar arrays themselves. Solar arrays will be constructed with gaps between each panel on an array, which allows surface water to fall to the vegetated ground beneath.
- 1.2.12 The solar PV modules are to have a 15-degree pitch on the horizontal plane. This will reduce the flow velocity of run-off landing on the solar PV modules, resulting in run-off to drip down through gaps between individual panels and thus reducing the risk of water sheeting and run-off from the lower edge of the modules.
- 1.2.13 Filter strip SuDS comprising of appropriate seeded vegetation will be provided below and between rows of the solar PV modules to dissipate the energy of surface water don't and promote low erosivity sheet flow during operation of the Project.

## **1.3 Conclusion**

- 1.3.1 As part of this Technical Note, the flood risk for the altered solar array area and proposed substation location has been assessed. The proposed solar array area and substation location are located outside of Flood Zones 2 and 3.
- 1.3.2 The proposed solar array and substation location are located within the surface water risk extents. Depth mapping does not show extents within the solar array footprint, indicating flood depths could be expected to be very low. The highest depths within the footprint of the substation are likely to reach 270 mm.
- 1.3.3 Therefore, consideration will be required for the design of the substation. It is proposed not to place any containerised units or water-sensitive equipment within the north-eastern corner. This area should be left unaltered to prevent any ingress of floodwater here. This will be reflected in finalised plans for the substations.
- 1.3.4 The increase of impermeable area associated with the altered solar array area is likely to be limited due to the minimal size of piled posts. This will be managed as per arrangements previously outlined in the Project drainage strategies, including filter strips and swales.

## Appendix 2: Hydrology and Flood Risk Technical Note 2



# Botley West Solar Farm

ES Addendum: Appendix 2

September 2025

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Revision Rev 0

APFP Regulation 5(2)(a); Planning Act 2008; and Infrastructure Planning (Applications:  
Prescribed Forms and Procedure) Regulations

## Approval for issue

Jonathan Alsop

September 2025

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# 1 Hydrology and Flood Risk Technical Note 2

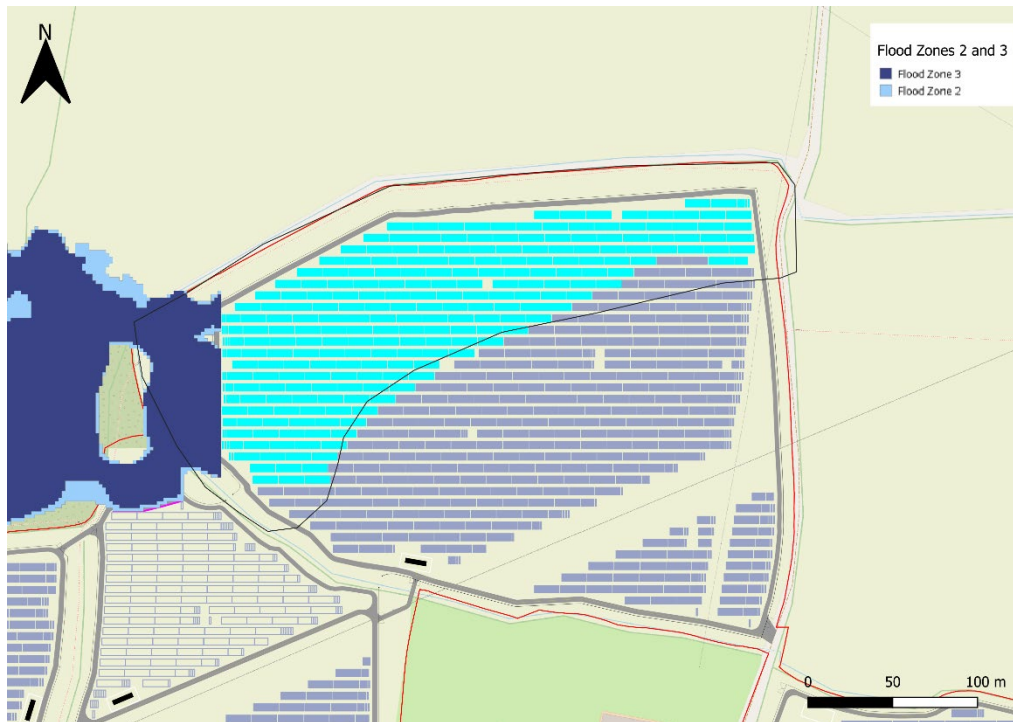
## 1.1 Introduction

- 1.1.1 Following the submission and acceptance of the application for development consent, the Applicant has continued to engage with affected landowners and key stakeholders. This has resulted in a number of proposed changes in order to, amongst other things, alleviate concerns in relation to environmental effects and to reduce land take where suitable alternative proposals are available. These proposed changes are the subject of a change request.
- 1.1.2 An ES Addendum has been prepared to summarise the proposed changes and present information in relation to the implications of the proposed changes to the Project for each topic considered within the EIA process. It details whether any new or materially different significant environmental effects would arise as a result of the proposed changes. This Technical Note forms part of the ES Addendum relating to the consideration of Hydrology and Flood Risk impacts for Change 6, as detailed in Section 2.8 of the ES Addendum.

## 1.2 Potential Hydrology and Flood Risk Implications

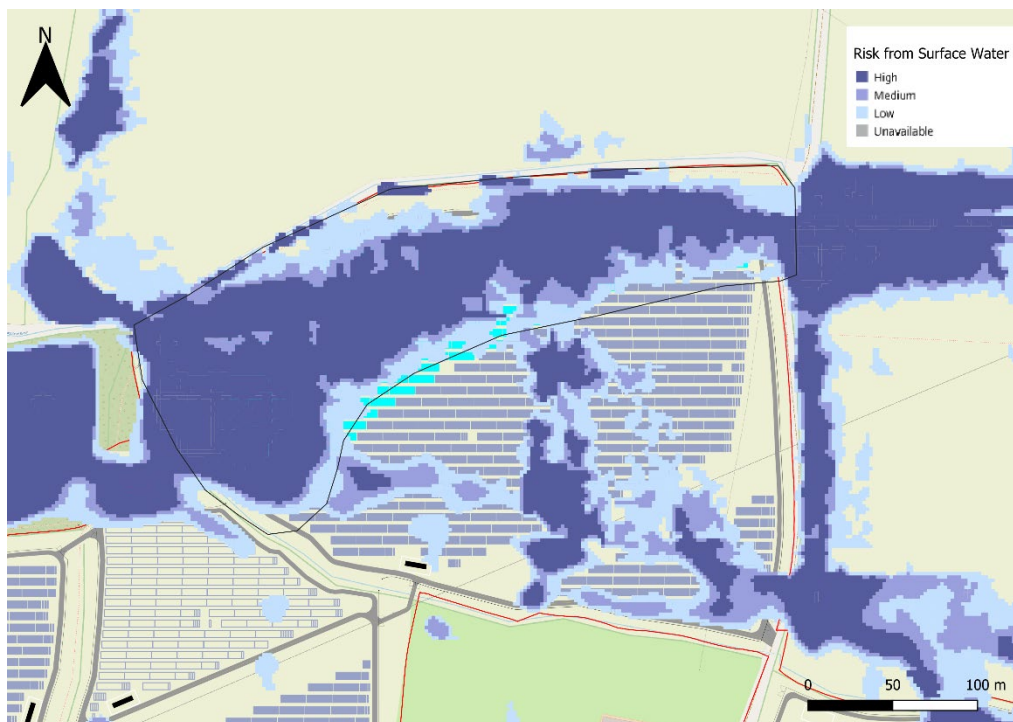
### Flood Risk Implications

- 1.2.1 As per section 2 of the ES Addendum, the area of the solar array will be increased. This is due to the changes in Flood Zones as part of the updated Flood Map for Planning (FMP), updated in March 2025. Previously, the area to be occupied by solar panels was identified as being in Flood Zones 2 and 3. However, as part of the updates to the FMP, the area is now identified as being in Flood Zone 1, land assessed as having a less than 0.1% annual chance of flooding from rivers and sea.
- 1.2.2 However, it is pertinent to undertake a review of other sources of flood risk and propose any necessary mitigation.
- 1.2.3 Figure 1.1 below shows the EA Flood Zone extents in relation to the proposed additional solar array area. This confirms that the additional solar arrays will be located outside of Flood Zones 2 and 3 extents.



**Figure 1.1 EA Flood Map for Planning – Flood Zones**

1.2.4 Figure 1.2 below shows the Risk from Surface Water extents in relation to the proposed additional solar array area. This indicates that 'Low' to 'High' areas of surface water risk are present across the solar array area.

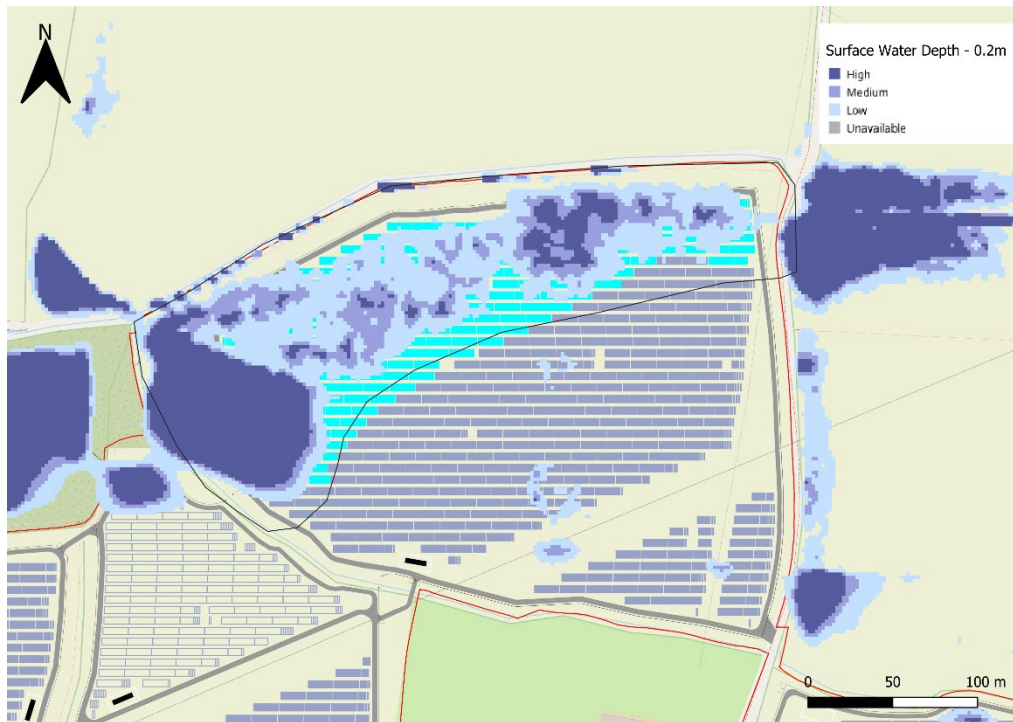


**Figure 1.2. Risk from Surface Water**

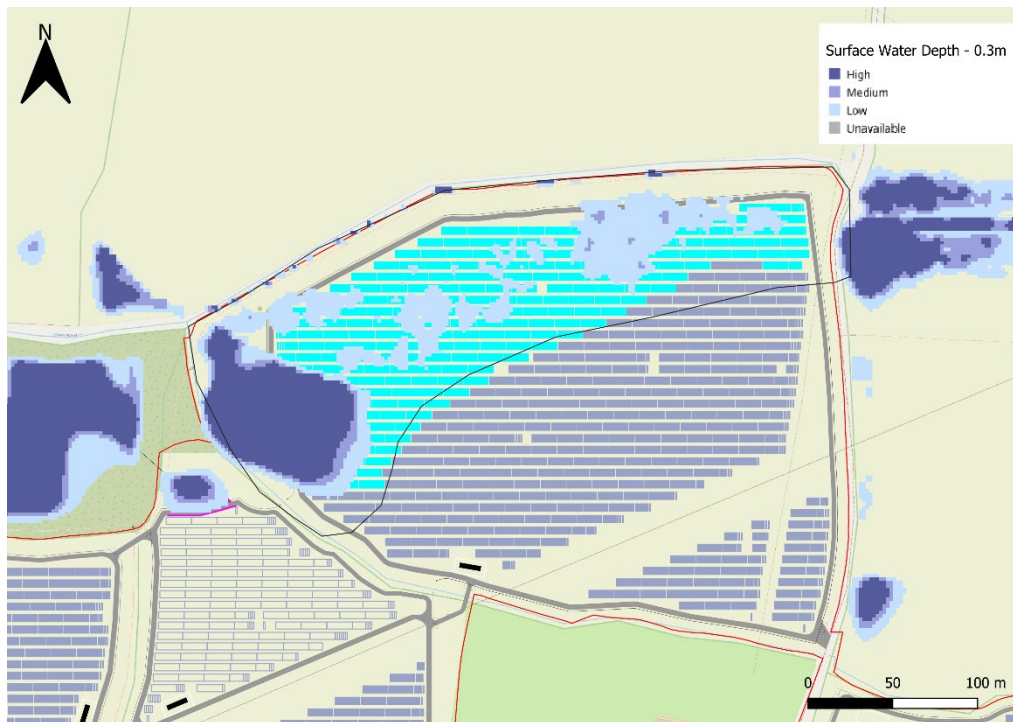
1.2.5 Figure 1.3, Figure 1.4 and Figure 1.5 below show the likelihood of surface water for depths of 0.2 m, 0.3 m and 0.6 m, respectively. An assessment was undertaken in relation to LiDAR data for the Project. The highest depths are seen in the west of the site where there is a dip in topography. These depths are shown as 'high chance of reaching 600 mm'. LiDAR shows that if the whole

area is flooded, depths of approximately 540 mm may be seen in the lowest point.

- 1.2.6 For the remainder of the site, depths are shown to have a 'low chance of reaching 300 mm'. Looking at the topography in the east and centre of the site, depths can be estimated between 180-220 mm.

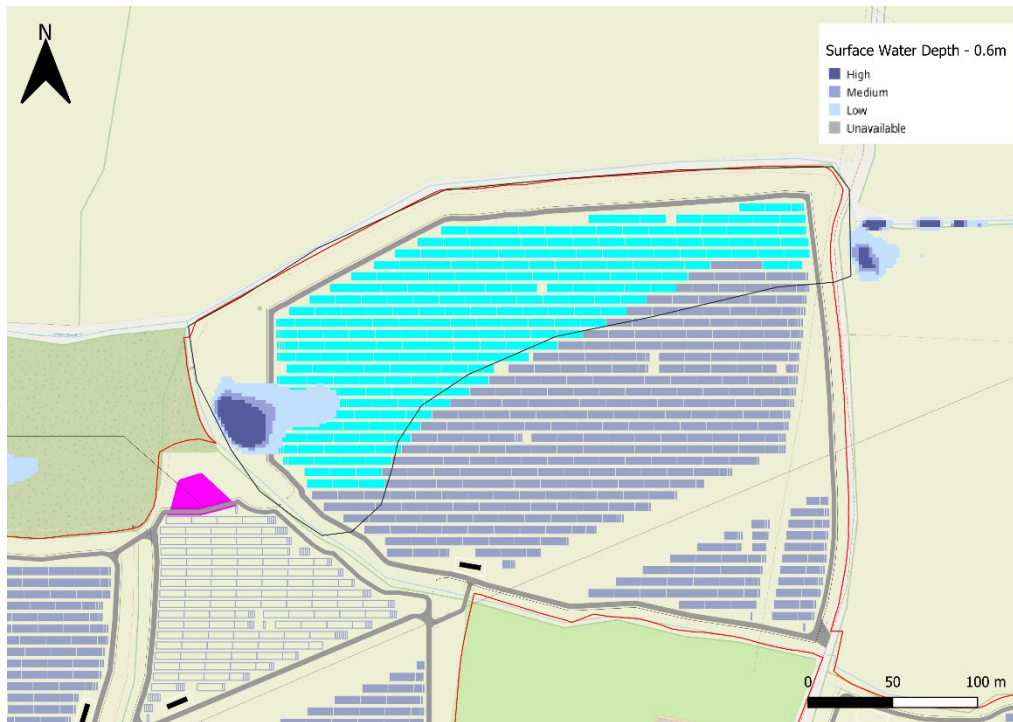


**Figure 1.3. Risk from Surface Water – Depth Likelihood 0.2 m**



**Figure 1.4. Risk from Surface Water – Depth Likelihood 0.3 m**





**Figure 1.5. Risk from Surface Water – Depth Likelihood 0.6 m**

- 1.2.7 Based on the above, a significant proportion of the proposed additional land is likely to be suitable for the siting of solar panels, assuming a lowest leading edge 0.8 m above ground level. For the limited areas where depths may reach 540 mm, the lowest leading edge will be set at 0.9m. This will allow an appropriate freeboard of at least 300 mm.
- 1.2.8 As such, solar panels within surface water risk areas, by nature of the design, will be raised above the ground on steel frames, allowing water to flow beneath. The inherently raised nature of the PV's and waterproof design would ensure that they wouldn't be damaged during the above residual risk occurrences. Therefore, further mitigation is not required.

### **Drainage Implications**

- 1.2.9 The majority of each solar PV installation area will be occupied by solar PV modules. Although modules have a large land take, the actual ground impact is negligible. The only intrusion will be from the driven-piled or screw piled posts, driven 1.0 – 2.5 m bgl.
- 1.2.10 Posts are made of galvanised steel and aluminium and are not solid poles. The number of the modules in the additional solar array would be approximately 230 modules.
- 1.2.11 It is proposed there will be a maximum of 575 piled posts, each with a surface area of 0.00103 m<sup>2</sup>. Total additional post area is therefore expected to be 0.5922 m<sup>2</sup> / 0.00005922 ha. Development therefore equates to a ground impact of 0.002% across the solar PV installation area.
- 1.2.12 It is expected that precipitation would be intercepted by between 25% to 40% of the surface of the site, typically over-sailed by solar PV modules. A known concern is the risk of water 'sheeting' off a solar array façade. As a result of the construction of the solar panels, some rainfall will be intercepted by the surface of the arrays before reaching ground level. Intercepted rainfall will either run down the face of the panels, or in the gaps between solar cells and drip onto the

ground below. Alternatively, water will be lost due to evaporation from the face of the panels.

- 1.2.13 Without mitigation there is a risk of erosion of the ground on which rainwater drips. This could then result in the formation of rivulets, which could increase the speed at which runoff discharges from the site. However, the potential for erosion to occur as a result of the 'drip effect' is appropriately mitigated by features of the solar arrays themselves. The solar arrays will be constructed with gaps between each panel on an array which allows surface water to fall to the vegetated ground beneath.
- 1.2.14 The solar PV modules are to have a 15-degree pitch on the horizontal plane. This will reduce the flow velocity of run-off landing on the solar PV modules, resulting in run-off to drip down through gaps between individual panels and thus reducing the risk of water sheeting and run-off from the lower edge of the modules.
- 1.2.15 Filter strip SuDS comprising of appropriate seeded vegetation will be provided below and between rows of the solar PV modules to dissipate the energy of surface water and promote low erosivity sheet flow during operation of the Project.

## **1.3 Conclusion**

- 1.3.1 As part of this Technical Note, the flood risk for the additional solar array area has been assessed. The proposed solar array area is located outside of Flood Zones 2 and 3.
- 1.3.2 The proposed solar array is located within the surface water risk extents, with the highest depths seen in the west of the site, associated with low topography. LiDAR indicates depths of approximately 540 mm may be seen in the lowest point.
- 1.3.3 Therefore, a significant proportion of the proposed additional land is likely to be suitable for the siting of solar panels, assuming a lowest leading edge of 0.8m – 0.9 m above ground level.
- 1.3.4 The increase of impermeable area associated with the additional solar arrays is likely to be limited due to the minimal size of piled posts. This will be managed as per arrangements previously outlined in the Project drainage strategies, including filter strips and swales.