Botley West Solar Farm

Environmental Statement

Volume 3

Appendix 6.1: Project Mitigation Measures and Commitments Schedule

November 2024

PINS Ref: EN010147
Document Ref: EN010147/APP/6.5
Revision P0
APFP Regulation 5(2)(a); Planning Act 2008; and Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
3	4.4	Glint and Glare	4.4.1	Additional	Opaque screening (vegetation or fencing) is recommended in locations identified in the Glint and Glare Assessment (section 7.6), to reduce the impact of reflections towards road users on the B4027 and seven dwellings at various locations.	Proposed to be secured through an update to the landscaping strategy
1	7	Historic Environment	7.1	Embedded	A range of designated heritage assets have been directly avoided by the design of the permanent Project developable footprint.	Committed with the project design and secured through the DCO Works Plans **[EN010147/APP/2.3]**
1	7	Historic Environment	7.2	Embedded	Other areas containing significant non-designated buried archaeological remains have been directly avoided by the permanent Project developable footprint.	Committed with the project design and secured through the DCO Works Plans **[EN010147/APP/2.3]**
1	7	Historic Environment	7.3	Embedded	Areas within the Project Site containing significant non-designated buried archaeological remains and avoided by the permanent Project developable footprint will be fenced off during construction to ensure that there are no physical impacts within such areas. Any cables required for the Project which need to cross such areas will be placed within protective ducting on the current ground surface.	Committed with the project design and secured through the DCO Works Plans **[EN010147/APP/2.3]**
1	7	Historic Environment	7.4	Embedded	Areas within the Project Site containing significant non-designated buried archaeological remains and avoided by the permanent Project developable footprint will be retained as managed grassland, during the operation and maintenance phase of the Project.	Outline Landscape and Ecology Management Plan **[EN010147/APP/7.6.3]**

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
1	7	Historic Environment	7.5	Embedded	The solar panel type to be used has been selected on the basis of requiring the fewest piles, thereby minimising below-ground impacts of piling.	Committed within the Project design set out in Outline Layout and Design Principles document **[EN010147/APP/7.7]**
1	7	Historic Environment	7.6	Embedded	Buried archaeological remains of a lower level of significance will be protected through the implementation of a 'no-dig' construction methodology in which any cables required for the Project which need to cross such remains will be placed within protective ducting on the current ground surface.	Outline Code of Construction Practice **[EN010147/APP/7.6.1]**
1	7	Historic Environment	7.7	Embedded	Construction haul roads will be established without stripping of topsoil. Terrafirma-type matting may be required in areas of high vehicle usage, on saturated ground and/or to avoid damage to soil structure.	Outline Code of Construction Practice **[EN010147/APP/7.6.1]**
1	7	Historic Environment	7.8	Embedded	Maintenance roads, required for occasional access during the operational phase, will follow routes around the edges of each solar array field and will be grass, with occasional matting where needed. Other internal maintenance routes between solar panels will use the natural ground surface.	Outline Operational Management Plan **[EN010147/APP/7.6.2]**
1	7	Historic Environment	7.9	Embedded	All hedgerows and mature vegetation within the Project Site will be retained (with limited exceptions, as indicated on Hedgerow remval plans EN010147/APP/2.10).	Outline Landscape and Ecology Management Plan **[EN010147/APP/7.6.3]**
1	7	Historic Environment	7.10	Embedded	Additional planting within the Project Site is designed in part to further screen views into and across the Project developable footprint.	Outline Landscape and Ecology Management Plan **[EN010147/APP/7.6.3]**

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
1	7	Historic Environment	7.11	Embedded	All land used for temporary satellite compounds during construction will be managed as grassland if not required for solar installations.	Outline Landscape and Ecology Management Plan **[EN010147/APP/7.6.3]**
1	7	Historic Environment	7.12	Embedded	Detailed Landscape and Ecology Management Plan (LEMP) will be developed in accordance with the Outline Landscape and Ecology Management Plan (oLEMP). Detailed LEMP will include details of mitigation planting, including the number, location, species and details of management and maintenance of planting. Where practicable, landscape mitigation planting will be established as early as reasonably practicable in the construction phase.	Outline Code of Construction Practice **[EN010147/APP/7.6.1]** and Outline Landscape and Ecology Management Plan **[EN010147/APP/7.6.3]**
1	7	Historic Environment	7.13	Embedded	An Outline Code of Construction Practice (CoCP) has been prepared and submitted with the application for development consent. Detailed CoCP(s) will be developed in accordance with the outline CoCP.	Outline Code of Construction Practice **[EN010147/APP/7.6.1]**
1	7	Historic Environment	7.14	Embedded	The oCOCP includes a commitment to prepare a Construction Noise and Vibration Management Plan, which will form part of the CoCP and will be approved by the relevant planning authority prior to the start of construction. It will include measures to mitigate noise from construction activities associated with the Project.	Outline Code of Construction Practice **[EN010147/APP/7.6.1]**
1	7	Historic Environment	7.15	Embedded	No permanent operational lighting will be installed. Lighting around the solar arrays and transformers will a combination of manually operated and Passive Infra-Red (PIR) motion sensor lighting .	Committed within the Outline Operational Management Plan **[EN010147/APP/7.6.2]**

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
1	7	Historic Environment	7.16	Embedded	A Decommissioning Plan will be developed prior to decommissioning. The Decommissioning Plan(s) will include provisions for the removal of all above ground infrastructure and the decommissioning of below ground infrastructure (if and where relevant and practicable), and details relevant to avoidance of ground disturbance. The Decommissioning Plan(s) will be in line with the latest relevant available guidance. The Decommissioning Plan will include provision for the protection (during decommissioning) of areas within the Project Site which contain significant archaeological remains.	Outline Decommissioning Plan **[EN010147/APP/7.6.4]**
1	7	Historic Environment	7.17	Additional	One or more Written Scheme(s) of Investigation (WSIs) will be developed in line with the Outline WSI. The WSI(s) will provide details on the archaeological work required ahead of and during construction of the Project.	Secured through Outline Written Scheme of Investigation **[EN010147/APP/7.6.5]**
1	8	Landscape and Visual Resources	8.1	Embedded	The illustrative Masterplan (ES Volume 2, Figures 2.1a - 2.4d **[EN010147/APP/6.4]**) illustrates the landscape and ecological strategy for implementation and long term maintenance and management of the Botley West Solar Farm. These measures are also designed to avoid or minimise adverse visual effects and adverse effects on landscape character. Measures include: • Creation of woodland belts; • Reinforcement of existing field boundary hedgerows; • Planting of lengths of new hedgerows along lengths of PRoWs and where	These measures would be secured as a requirement of the DCO, committed via the oLEMP **[EN010147/APP/7.6.3].**

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
					existing hedgerows require more extensive infilling; • Meadow grassland to perimeter of solar array areas and areas of enhancement; • Planting of individual trees where appropriate; • Areas within solar arrays left clear for Skylark plots.	
1	9	Ecology	9.1	Embedded	No removal of woodland, ponds or watercourses. The Project has been designed to exclude areas of woodland from within the Order Limits, wherever practicable.	These measures would be secured as a requirement of the DCO - via CoCP **[EN010147/APP/7.6.1]** and Outline Decommissioning Plan (DP) **[EN010147/APP/7.6.4].**
1	9	Ecology	9.2	Embedded	During construction, other than where access through hedgerows is required, all hedgerows, trees, ponds and woodland to have minimum of 5m buffer. This distance of the buffer is considered minimum distance sufficient to ensure impacts to such features (e.g. from materials and machinery) are avoided. Appropriate fencing will be provided in accordance with the Fencing Plan that will be prepared and agreed with the relevant authority prior to construction commencing.	These measures would be secured as a requirement of the DCO - via CoCP **[EN010147/APP/7.6.1]** and Decommissioning Plan (DP) **[EN010147/APP/7.6.4].**
1	9	Ecology	9.3	Embedded	The Project has been designed to avoid areas of ancient woodland. Measures would be put in place to ensure that a minimum 15 metre buffer is retained between ancient woodland and construction areas. Appropriate fencing in accordance with BS 5837, would be erected around the 15 metre buffer to prevent access by people, materials or machinery to avoid	These measures would be secured as a requirement of the DCO - via CoCP **[EN010147/APP/7.6.1]** and Decommissioning Plan (DP) **[EN010147/APP/7.6.4].**

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
					compaction of soils or roots and to avoid any accidental damage, as per Natural England guidance.	
1	9	Ecology	9.4	Embedded	All watercourses to have a minimum 8 m buffer, as per Environment Agency guidelines for protection of such features. A buffer of up to 10m will be maintained from the banks of ordinary watercourses, in line with local bye-laws, where applicable.	These measures would be secured as a requirement of the DCO - via CoCP **[EN010147/APP/7.6.1], LEMP [EN010147/APP/7.6.3].** and Decommissioning Plan (DP) **[EN010147/APP/7.6.4].**
1	9	Ecology	9.5	Embedded	Creation of Evenlode Corridor to comprise reinstated floodplain meadow. Principals of management are set out in the oLEMP with full details to be set out within the appropriate detailed LEMP.	These measures would be secured as a requirement of the DCO - via **LEMP EN010147/APP/7.6.3**
1	9	Ecology	9.6	Embedded	All cable routing outside panel fields to be within hardstanding of highways as far as practicable. This includes along the B4044 when adjacent to Wytham Woods SSSI to ensure no indirect effects.	These measures would be secured as a requirement of the DCO - via oLEMP **[EN010147/APP/7.6.3]** .
1	9	Ecology	9.7	Embedded	Completion of pre-construction and pre-decommissioning ecology surveys, as necessary, to ensure an up to date baseline with respect to the location and distribution of relevant protected species. This will inform any necessary applications for protected species licences and any method statements which are required to be complied with during the construction phase and decommissioning phase as set out in the oLEMPs within the operational period.	These measures would be secured as a requirement of the DCO - via CoCP **[EN010147/APP/7.6.1]**

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
1	9	Ecology	9.8	Additional	Deliver at least 70% Habitat Biodiversity Net Gain.	Proposed to be secured as a requirement of the DCO - via oLEMP
1	9	Ecology	9.9	Embedded	New skylark plots to be delivered within solar arrays.	Proposed to be secured as a requirement of the DCO - via oLEMP
1	9	Ecology	9.10	Embedded	Trenchless techniques will be used to lay underground cables under ancient woodland, watercourses, priority habitats and the majority of hedgerows, as shown within the crossing schedule **[EN010147/APP/7.3.9]**. This will include the River Thames and associated flood meadows. Detailed design of crossings will be agreed with relevant authorities prior to commencement of construction.	These measures would be secured as a requirement of the DCO - via CoCP **[EN010147/APP/7.6.1]**
1	9	Ecology	9.11	Embedded	Avoidance of impacts to Oxford Meadows SAC and all other designated sites along with sensitive habitats.	These measures would be secured as a requirement of the DCO - via CoCP **[EN010147/APP/7.6.1], LEMP [EN010147/APP/7.6.3].** and Decommissioning Plan (DP) **[EN010147/APP/7.6.4].**
1	9	Ecology	9.12	Embedded	Provision of Outline Landscape and Ecological Management Plan (oLEMP) to include details of habitat management to ensure delivery of an overall habitat gain of at least 70% Habitat BNG. Any temporary land take for cable routes etc. to be restored to habitats of existing or greater ecological value. The oLEMP will also include details of ecological enhancements to be sited around the Project to include: • bee hives;	Proposed to be secured as a requirement of the DCO - via oLEMP **[EN010147/APP/7.6.3]**.

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
					• log piles and other refugia; • bird boxes on retained trees; and • bat boxes on retained trees. Prior to construction, a detailed LEMP will be produced to be substantially in accordance with the oLEMP. This will include details of mitigation planting, including the number, location, species and details of management and maintenance of planting. Where practicable, landscape mitigation planting will be established as early as reasonably practicable in the construction phase.	
1	9	Ecology	9.13	Embedded	Great crested newt European Protected Species Mitigation Licence or District Level Licence.	Legal requirement
1	9	Ecology	9.14	Embedded	Badger Protected Species Mitigation Licence.	Legal requirement
1	9	Ecology	9.15	Embedded	Dormouse European Protected Species Mitigation Licence.	Legal requirement
1	9	Ecology	9.16	Embedded	An Outline Code of Construction Practice (oCOCP) has been prepared and submitted with the application for development consent. CoCP(s) will be developed in accordance with the outline CoCP. The oCoCP includes regulatory guidance and industry best practice guidance, such as: • Measures for the appropriate storage of materials and fuels would be implemented to avoid the pollution of designated sites, ancient woodland and the local water environment during construction. These will be captured in a Pollution Prevention	Outline CoCP **[EN010147/APP/7.6.1]** to be provided as part of application for development consent. CoCP to be developed in line with Outline CoCP and agreed with relevant stakeholders. CoCP to be secured as DCO requirement.

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
					Plan (PPP) (to be submitted alongside detailed COCP). • Construction method statement to include measures to minimise impacts on protected species. This will include details of non-licensable mitigation, including for reptiles, birds and rare plants. • Construction method statement for watercourse crossings that will include a bentonite breakout plan. • A construction artificial light emissions plan to ensure that construction lighting was directed to where it was needed and did not significantly increase levels of artificial lighting on sensitive habitats, such as retained woodland and river corridors. Lighting will be designed in accordance with Institute of Lighting Professionals /Bat Conservation Trust guidelines. Construction task lighting will be directed to where it is needed only, to avoid light spillage. Accessories such as hoods, cowls and shields will be used to direct light to the intended area only. Light levels will be as low as the guidelines permit. If construction lighting is not needed, it will be avoided. • Dust Management Plan to set out how dust generation will be managed and minimised. • Suitable habitat for breeding birds would be cleared between October and mid-February, outside the breeding bird season, as far as practicable. Where this is not feasible the vegetation, building or	

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
					structure due to be removed would first be inspected by a suitably qualified ecologist. Any active nests would be retained along with a minimum 5 metre buffer around them. • Invasive Non-Native Species (INNS) Management Plan. This would set out the details of how the presence of INNS would be monitored and managed during construction. It would also include a Biosecurity Protocol.	
1	9	Ecology	9.17	Embedded	The following measures would be implemented to ensure that no badgers are harmed during the construction phase: • suitable fencing to be erected around all construction works to deter foraging badgers from the works' areas; – - suitable buffer to be observed in relation to any identified badger setts, to avoid disturbance; • any excavated holes have a wooden board placed in them over night so as to provide a means of escape should any badgers accidentally enter the excavation; and • any chemicals to be securely stored at night in a locked container. In order to avoid attracting badgers to the works area any food waste would be disposed of in appropriate bins or removed from site at the end of each day.	Outline CoCP **[EN010147/APP/7.6.1]** to be provided as part of application for development consent. CoCP to be developed in line with Outline CoCP and agreed with relevant stakeholders. CoCP to be secured as DCO requirement.
1	9	Ecology	9.18	Embedded	Use of ECoW to oversee works as necessary.	Committed within oCOCP **[EN010147/APP/7.6.1]**

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
1	9	Ecology	9.19	Embedded	Demarcation of tree protection measures will be defined on the final tree protection plans and Arboriculture Method Statement that will be agreed with the relevant authority prior to construction commencing. Protective fencing will include associated fencing of retained trees within and adjacent to construction areas as specified in the Strategic Arboriculture and Method Statement.	These measures would be secured as a requirement of the DCO - via CoCP **[EN010147/APP/7.6.1]** and Decommissioning Plan (DP) **[EN010147/APP/7.6.4].** Strategic Arboricultural Impact Assessment & Method Statement is set out in Vol 3, Appendix 8.3 **[EN010147/APP/6.5].**
1	9	Ecology	9.20	Embedded	A suitable buffer to protect all important bat flightlines will be incorporated into the detailed masterplan. Protective fencing, in accordance with BS 5837, would be erected around these features to prevent access by people, materials or machinery. The buffers would comprise a range of habitats scrub and tussocky grass margins to improve the diversity of habitats present and increase the range of ecotones available for bat foraging.	These measures would be secured as a requirement of the DCO - via CoCP **[EN010147/APP/7.6.1]** and Decommissioning Plan (DP) **[EN010147/APP/7.6.4].**
1	9	Ecology	9.21	Embedded	Areas of lower value reptile habitat that could support low numbers of reptile, such as field margins, would be cleared sensitively with an ecological clerk of works present. Such clearance would comprise two stage strimming by hand of suitable habitat, directionally towards retained habitat. The first stage would cut to circa 15cm height to encourage animals to move away from the area. The second stage would be to ground level. A final destructive search would be completed.	To be detailed in oCoCP. These measures would be secured through the DCO.
1	9	Ecology	9.22	Embedded	Areas of new woodland (circa 5ha) would be completed following the establishment and management principles set out in the oLEMP.	To be detailed in oLEMP. These measures would be secured through the DCO.

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
					Final locations for such woodland would be set out in the detailed LEMP.	
1	9	Ecology	9.23	Embedded	Creation of circa 26.5km of new species rich hedgerow around the Project site. These would be completed following the establishment and management principles set out in the oLEMP. Final locations for such hedgerow planting would be set out in the detailed LEMP	To be detailed in oLEMP. These measures would be secured through the DCO.
1	9	Ecology	9.24	Embedded	Creation of new meadow areas within habitat to be retained for archaeological reasons (approximately 36 ha). Such habitat will be managed specifically for the benefit of both wintering and breeding birds. It will comprise species-rich grassland that will be allowed to set seed to ensure cover for nesting birds such as skylark during spring and a food source for wintering birds.	To be detailed in oLEMP **[EN010147/APP/7.6.3]**. These measures would be secured through the DCO.
1	9	Ecology	9.25	Embedded	Habitat management will not use any fertiliser, pesticide or herbicide.	To be detailed in oLEMP. These measures would be secured through the DCO.
1	9	Ecology	9.26	Embedded	Any area of the Project site to not be developed in order to protect buried archaeology will be managed as wildflower meadow to provide mitigation habitat for both wintering and breeding birds. Such areas will be managed through either grazing or mowing to ensure they provide both cover during breeding and food sources during winter.	To be detailed in oLEMP. These measures would be secured through the DCO.
1	9	Ecology	9.27	Embedded	All deer fencing will be designed to be permeable to smaller mammals such as badger and fox to ensure permeability of the Project site for these species will be retained.	To be detailed in oLEMP. These measures would be secured through the DCO.

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
1	9	Ecology	9.28	Embedded	All badger setts will be retained, where possible, with an appropriate buffer of undisturbed habitat. Retention will be incorporated in the final Project design following pre-commencement surveys.	To be detailed in oLEMP. These measures would be secured through the DCO.
1	10	hydrology and flood risk	10.1	Embedded	The Project has been designed, as far as possible, to avoid and minimise adverse impacts and effects on the water environment through the process of design development, and by embedded design measures into the design. As an example, Solar PV modules are waterproof and will be raised by the nature of the design at least 800mm above ground levels at the lower edge. Hydraulic modelling was undertaken for the central site area to steer Solar PV arrays towards the lowest area of flood risk (outside the 100 year plus climate change extent).	Committed within the Project design set out in Outline Landscape and Ecology Management Plan [EN010147/APP/7.6.3].
1	10	hydrology and flood risk	10.2	Embedded	All watercourses to have a minimum 8 m buffer, as per Environment Agency guidelines for protection of such features. A buffer of up to 10m will be maintained from the banks of ordinary watercourses, in line with local bye-laws, where applicable. An 8 m buffer will be maintained from the banks of Main River or landward toe of a flood defence structure for permanent development associated with the Project.	This is secured as a requirement within the DCO. The The crossing schedule is set out in the Crossing Schedules and Plans document **[EN010147/APP/7.3.9]**
1	10	hydrology and flood risk	10.3	Embedded	The following features will be crossed by HDD (or other trenchless techniques), as set out in the Crossing Schedule submitted as part of the application for the development consent. • • All Environment Agency main rivers within the Project Area; and,	This is secured as a requirement within the DCO. The The crossing schedule is set out in the Crossing Schedules and Plans document **[EN010147/APP/7.3.9]**

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
					• • Ordinary Watercourses where water is present within the channel at all times.	
1	10	hydrology and flood risk	10.4	Embedded	HDD (or other trenchless techniques) entry and exit points will be located at least: • 8 m, 9m or 10m from the bank of an Ordinary Watercourse (West Oxfordshire District Council, Cherwell District Council and Vale of White Horse District Council respectively); and, • 8 m from the bank of a Main River or landward toe of a flood defence structure. Where a surface watercourse is to be crossed by HDD (or other trenchless methodology), the HVAC cables will be installed at least 2 m beneath the hard bed of any watercourses and the optimal clearance depth beneath watercourses will be agreed with the relevant authorities prior to construction. Where EA flood defences are present, a minimum 1.5 m vertical clearance will be maintained between the hard bed of the watercourse and the landward toe of those flood defences.	Commitment to be set out in the Outline CoCP **[EN010147/APP/7.6.1]** to be provided as part of application for development consent. Outline CoCP and agreed with relevant stakeholders. CoCP to be secured as DCO requirement.
1	10	hydrology and flood risk	10.5	Embedded	At the HDD compounds, HVAC cable corridor and access tracks to be constructed within Flood Zones 2 and 3, construction measures will be adopted to maintain the existing level of flood protection during construction. These measures will be discussed with the EA. This would also include scheduling work windows during low river levels and briefing site personnel regarding weather conditions. If a Flood Warning/Flood Alert within the study	Commitment to be set out in the Outline CoCP **[EN010147/APP/7.6.1]** to be provided as part of application for development consent. CoCP to be developed in line with Outline CoCP and agreed with relevant stakeholders. CoCP to be secured as DCO requirement.

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
					area is issued works within the Flood Warning/Flood Alert areas would be stopped whilst the Flood Warning/Flood Alert is active. A Flood Management Plan will be undertaken prior to construction and will be set out in the CoCP.	
1	10	hydrology and flood risk	10.6	Embedded	Where the export cable corridor 275kV corridor routes crosses sites of particular sensitivity (e.g., ordinary watercourses, EA Main Rivers, SSSIs groundwater inner Source Protection Zones(River Thames) a hydrogeological risk assessment will be undertaken to inform a site-specific crossing method statement which will also be agreed with the relevant authorities prior to construction.	Method statements to be agreed with relevant authorities prior to construction. Commitment to prepare method statements is set out in the Outline CoCP which is provided as part of the application for development consent **[EN010147/APP/7.6.1]**.
1	10	hydrology and flood risk	10.14	Additional	Surface water modelling was undertaken for the area upstream of Cassington to understand the pre-existing flood risk and inform enhancement mitigation measures. Shallow ponds, bunds and ditch widening is proposed at an area upstream of Cassington in accordance with baseline surface water modelling. The sizing and discharge location is subject to detailed design and proposed options modelling.	Outline OMP to be provided as part of application for development consent (EN010147/APP/7.6.2). Detailed OMP's to be developed in line with Outline OMP and agreed with relevant stakeholders. Detailed OMP's to be secured as DCO requirement.
1	10	hydrology and flood risk	10.7	Embedded	A Pollution Prevention Plan (PPP) will be prepared and submitted at detailed design stage upon consent of the DCO. The PPP will be developed at detailed design stage and will include details of emergency spill procedures. Good practice guidance detailed in the Environment Agency's Pollution Prevention Guidance notes (including Pollution Prevention Guidance notes 01, 05, 08 and 21)	Commitment to prepare PPP to be set out in Outline CoCP (EN010147/APP/7.6.1). The detailed CoCP will include a full PPP.

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
					will be followed where appropriate, or the latest relevant available guidance.	
1	10	hydrology and flood risk	10.8	Embedded	During construction of piled foundations, the following guidance will be used: Piling and Penetrative Ground Improvement Methods on Land Affected by Contamination: Guidance on Pollution Prevention (Environment Agency, 2001), or latest relevant available guidance.	Outline CoCP (EN010147/APP/7.6.1) to be secured as a DCO requirement.
1	10	hydrology and flood risk	10.9	Embedded	An Outline CoCP has been prepared and submitted with the application for the Project consent. Detailed CoCP's will be developed in accordance with the Outline CoCP. In relation to Hydrology and Flood Risk, the Outline CoCP will include measures to maintain and address: • flood protection and control measures; • water environment and drainage; • pollution prevention; • geology and ground conditions; and • soil management.	Outline CoCP (EN010147/APP/7.6.1) to be secured as DCO requirement. Detailed CoCP's to be developed in line with Outline CoCP and agreed with relevant stakeholders.
1	10	hydrology and flood risk	10.10	Embedded	An Outline Operational Management Plan (OMP) has been prepared and submitted with the application for development consent. Solar farm developments are not 'occupied' and only occasional maintenance visits are required for landscape maintenance and equipment servicing and repairs. No maintenance operatives will be on-site during periods of elevated flood risk and access to the Site will be restricted. The Detailed OMP will include a Flood Management Plan including a flood warning	Outline OMP to be provided as part of application for development consent (EN010147/APP/7.6.2). Detailed OMP's to be developed in line with Outline OMP and agreed with relevant stakeholders. Detailed OMP's to be secured as DCO requirement.

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
					and evacuation plan to manage any remaining residual risks to site users.	
1	10	hydrology and flood risk	10.11	Embedded	An Outline Decommissioning Plan has been prepared and submitted with the application for development consent. The Outline Decommissioning Plan includes provisions for the removal of all above ground infrastructure and the decommissioning of below ground infrastructure (if and where relevant and practicable), and details relevant to flood risk, pollution prevention and avoidance of ground disturbance. A Decommissioning Plan will be produced and approved for the Project following the appointment of a contractor, prior to the commencement of the decommissioning phase of the Project.	Outline Decommissioning Plan (DP) to be provided as part of application for development consent (EN010147/APP/7.6.4). Detailed DP to be developed in line with Outline DP and agreed with relevant stakeholders.
1	10	hydrology and flood risk	10.12	Embedded	Appropriate seeded vegetation will be provided below and between tables of the solar PV modules to act as a filter strip to dissipate energy of surface water and promote low erosivity sheet flow during operation of the solar farm. The vegetation will be managed organically and will either be mowed or used for light grazing. This will ensure the grassland will grow between array gaps.	Committed within the Project design set out in Outline Landscape and Ecology Management Plan [EN010147/APP/7.6.3].
1	10	hydrology and flood risk	10.13	Embedded	Internal maintenance roads, required for occasional access during the operational period may have targeted areas of Type 1 aggregate. Filter strips will be placed adjacent to these areas to manage the increase in runoff.	[EN010147/APP/7.7]Outline OMP to be provided as part of application for development consent (EN010147/APP/7.6.2). Detailed OMP's to be developed in line with Outline OMP and agreed with relevant stakeholders.

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
						Detailed OMP's to be secured as DCO requirement.
1	11	Ground Conditions	11.1	Embedded	Discovery Strategy - The discovery strategy would comprise a watching brief that would be undertaken by suitably trained personnel during construction activities. The strategy would also include a procedure for construction workers to follow in the event that previously unknown contamination is discovered during the construction phase.	Principles of discovery strategy to be set out within Outline CoCP. (EN010147/APP/7.6.1).
1	11	Ground Conditions	11.2	Embedded	Ground Investigations – As there has been minimal previous ground investigation across the Project, ground investigation and geotechnical testing, primarily for confirmation on potential land instability and pile design parameters would be undertaken. This should include investigation and slope stability assessments in the proposed cable route area south of the Thames coinciding with identified landslip material and should include geo-environmental testing in areas where DTS and PRA assessment has identified more than a low risk of contamination.	Detailed design stage for the development of the Project
1	11	Ground Conditions	11.3	Embedded	DCO Remediation Strategy – Should ground investigation or the discovery strategy determine that remediation is required to ensure that the site is suitable for its proposed use, a remediation strategy would be prepared and agreed with the Environment Agency/relevant local planning authority prior to its implementation.	Regulatory requirement in the event of contamination being identified through ground investigation or from discovery strategy during construction.
1	11	Ground Conditions	11.4	Embedded	To facilitate the management of soils - A Materials Management Plan (MMP) would be prepared at detailed design stage, in	Commitment to prepare a Materials Management Plan set out in Outline CoCP

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
					accordance with the CL:AIRE Code of Practice (CL:AIRE, 2011), to document the management of soils on the site. The Materials Management Plan will be included within the detailed CoCP and will be approved by the Environment Agency prior to earthworks commencing.	(EN010147/APP/7.6.1). The Materials Management Plan will be developed at detailed design stage, for inclusion within detailed CoCP.
1	11	Ground Conditions	11.5	Embedded	Implementation of measures to prevent and control spillage of oil, chemicals and other potentially harmful liquids - appropriate storage and handling of materials and products in accordance with the Control of Pollution (Oil Storage) (England) Regulations 2001. Use of guidance such as the Environment Agency's Pollution Prevention Guidelines (PPG) (in particular PPG1, PPG5, PPG6, PPG21) as sources of good practice. These guidance documents although formally withdrawn on 17th December 2015 include recommendations regarding use of fuel spill kits and safe storage requirements. The application of appropriate working methods developed using these guidance documents would be used to mitigate against potential human health and controlled water contaminant linkages being created during construction.	Commitment to prepare a PPP is set out in Outline CoCP (EN010147/APP/7.6.1). The detailed CoCP will include a full PPP.
1	11	Ground Conditions	11.6	Embedded	To help avoid pollution incidents occurring - Implementation of measures to protect groundwater during construction, including good environmental practices based on legal responsibilities and guidance on good environmental management in: CIRIA C532 Control of Water Pollution from Construction	Commitment to prepare a PPP is set out in Outline CoCP (EN010147/APP/7.6.1). The detailed CoCP will include a full PPP.

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
					Sites – Guidance for Consultants and Contractors (2001b).	
1	11	Ground Conditions	11.7	Embedded	To mitigate risks to construction workers in areas of potential contamination such as Purwell Farm Sand Pits - Implementation of control measures, use of appropriate personal protective equipment, application of good working practices and adoption of high levels of personal hygiene by construction workers. Health and Safety risk assessments to be completed prior to construction workers in line with Construction (Design and Management) Regulations 2015	To be included as standard Health and Safety procedures within Outline CoCP (EN010147/APP/7.6.1) under CDM requirements
1	11	Ground Conditions	11.8	Embedded	To help avoid pollution incidents occurring - During operation, maintenance activities may involve the use of chemicals and oils. Secure storage facilities would be provided, including a secondary containment system. A spillage control procedure would be implemented to ensure that any spillages are contained and removed. Regular inspection of infrastructure would be undertaken and maintenance completed as necessary during the period of operation.	Operational procedures to be documented in Outline Operational Management Plan (EN010147/APP/7.6.2).
1	12	Traffic and Transport	12.1	Embedded	Suitable HGV routes will be identified.	Forming part of the CTMP secured as a requirement of the DCO via the Code of Construction Practice. An Outline CTMP is set out in the Outline CoCP (EN010147/APP/7.6.1), and detailed fully in the Detailed CoCP secured as a requirement of the DCO.

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
1	12	Traffic and Transport	12.2	Embedded	Adoption of a CTMP which will set out that road condition surveys will be undertaken before the start of works and after the substantial completion of works on minor road links and new junctions used by HGVs to access the Project. Damage to the highway that has been demonstrably caused by construction traffic will be repaired.	Forming part of the CTMP secured as a requirement of the DCO via the Code of Construction Practice. An Outline CTMP is set out in the Outline CoCP (EN010147/APP/7.6.1), and detailed fully in the Detailed CoCP secured as a requirement of the DCO.
1	12	Traffic and Transport	12.3	Embedded	Adoption of a CTMP which will set out the construction working hours. For the Project, the core working hours will be 07:00 to 19:00 Monday to Saturday, save for any works that require 24 hour operations. Some HDD works may require 24 hour working depending on the nature and scale of the crossing. Other activities that will require 24-hour operation will be: site security, oil filling of transformers, possible remedial works in response to severe weather events and construction critical operations such as major plant item installation and concrete pours. These will be agreed in consultation with the relevant planning authorities. It is expected that in some circumstances working hours could be extended when this would reduce the magnitude of environmental impacts of construction (e.g., to increase safety, reduce driver delays, reduce the duration of impacts etc.) which would be agreed with the relevant planning authorities in advance.	Forming part of the CTMP secured as a requirement of the DCO via the Code of Construction Practice. An Outline CTMP is set out in the Outline CoCP (EN010147/APP/7.6.1), and detailed fully in the Detailed CoCP secured as a requirement of the DCO.
1	12	Traffic and Transport	12.4	Embedded	Adoption of a CTMP which will set out any restrictions that may be required on HGV operating hours, for example along sections of	Forming part of the CTMP secured as a requirement of the DCO via the Code of Construction

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
					the highway network that provide access to local schools.	Practice. An Outline CTMP is set out in the Outline CoCP (EN010147/APP/7.6.1), and detailed fully in the Detailed CoCP secured as a requirement of the DCO.
1	12	Traffic and Transport	12.5	Embedded	Adoption of a CTMP which will set out any restrictions that may be required on HGV operating hours and measures to minimise the number of HGV movements through sensitive areas when access to construction compounds and HDD sites is essential.	Forming part of the CTMP secured as a requirement of the DCO via the Code of Construction Practice. An Outline CTMP is set out in the Outline CoCP (EN010147/APP/7.6.1), and detailed fully in the Detailed CoCP secured as a requirement of the DCO.
1	12	Traffic and Transport	12.6	Embedded	Adoption of a CTMP which will set out the requirement for wheel cleaning methods at appropriate locations where it is necessary to eliminate the risk of mud and debris on the highway.	Forming part of the CTMP secured as a requirement of the DCO via the Code of Construction Practice. An Outline CTMP is set out in the Outline CoCP (EN010147/APP/7.6.1), and detailed fully in the Detailed CoCP secured as a requirement of the DCO.
1	12	Traffic and Transport	12.7	Embedded	Adoption of a CTMP which will set out measures to minimise dust and dirt associated with the movement of construction vehicles.	Forming part of the CTMP secured as a requirement of the DCO via the Code of Construction Practice. An Outline CTMP is set out in the Outline CoCP (EN010147/APP/7.6.1), and detailed fully in the Detailed CoCP secured as a requirement of the DCO.

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
1	12	Traffic and Transport	12.8	Embedded	The provision of appropriate parking facilities for construction workers in terms of quantum and location to prevent any parking on the public highway.	Forming part of the CTMP secured as a requirement of the DCO via the Code of Construction Practice. An Outline CTMP is set out in the Outline CoCP (EN010147/APP/7.6.1), and detailed fully in the Detailed CoCP secured as a requirement of the DCO.
1	12	Traffic and Transport	12.9	Embedded	Adoption of a CTMP which will set out traffic management measures at those points where trenches are cut into highways or where existing access rights are affected.	Forming part of the CTMP secured as a requirement of the DCO via the Code of Construction Practice. An Outline CTMP is set out in the Outline CoCP (EN010147/APP/7.6.1), and detailed fully in the Detailed CoCP secured as a requirement of the DCO.
1	12	Traffic and Transport	12.10	Embedded	Adoption of a CTMP which will encourage the re-use of HGVs wherever possible, such as backloading. Where practical, local suppliers will be used to minimise the distance travelled by HGVs.	Forming part of the CTMP secured as a requirement of the DCO via the Code of Construction Practice. An Outline CTMP is set out in the Outline CoCP (EN010147/APP/7.6.1), and detailed fully in the Detailed CoCP secured as a requirement of the DCO.
1	12	Traffic and Transport	12.11	Embedded	Adoption of a CTMP which will set out the local management of vehicle movements to minimise the risks of vehicles meeting each other on narrow sections of highway.	Forming part of the CTMP secured as a requirement of the DCO via the Code of Construction Practice. An Outline CTMP is set out in the Outline CoCP (EN010147/APP/7.6.1), and detailed fully in the Detailed CoCP

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
						secured as a requirement of the DCO.
1	12	Traffic and Transport	12.12	Embedded	The design of HGV access points, including visibility standards and, where necessary, temporary speed restrictions on the adjacent highway will be agreed with the relevant highway authorities.	Via the ES chapter and TA submitted in support of the application for Development Consent and via a subsequent Section 278 Agreement with the relevant highway authorities.
1	12	Traffic and Transport	12.13	Embedded	CTMP	A CTMP will form part of the Code of Construction Practice (CoCP) secured as a requirement of the DCO for the Project.
1	12	Traffic and Transport	12.14	Embedded	A route for AILs will be identified (this will be between the port of entry, the SRN and the Project). The route timing and method of transport of AILs will be discussed and agreed with the relevant highways and bridge authorities and the police .	As part of the process to receive a Special Order to permit the movement of AILs on the highway as issued by the Secretary of State for Transport following an application by the appointed heavy haulage contractor .
1	12	Traffic and Transport	12.15	Embedded	The heavy haulage contractor appointed to transport the AILs will be required to comply with statutory regulations in terms of consulting with the relevant highways and bridge authorities and the police.	As part of the process to receive a Special Order to permit the movement of AILs on the highway as issued by the Secretary of State for Transport following an application by the appointed heavy haulage contractor.
1	12	Traffic and Transport	12.16	Embedded	The timing of AIL deliveries will be discussed with the relevant highway authorities to minimise delay for other road users and to minimise risk to highway users.	As part of the process to receive a Special Order to permit the movement of AILs on the highway as issued by the Secretary of State for Transport following an application by the appointed heavy haulage contractor.

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
1	12	Traffic and Transport	12.17	Embedded	The routeing of AIL deliveries will be agreed with the relevant highway authorities. The delivery of AILs would be undertaken under escort. Where AILs require the full width of the carriageway or for unusual manoeuvres at junctions, appropriate temporary traffic management will be put in place as appropriate to maintain the safety of other road users.	As part of the process to receive a Special Order to permit the movement of AILs on the highway as issued by the Secretary of State for Transport following an application by the appointed heavy haulage contractor.
1	12	Traffic and Transport	12.18	Embedded	A Decommissioning Traffic Management Plan will be submitted and agreed with the relevant highway authorities prior to any decommissioning works commencing which will identify and set out appropriate mitigation measures for decommissioning generated vehicle movements that are identified and required at that time.	Secured as a requirement of the DCO, as set out within outline Decommissioning Plan (EN010147/APP/7.6.4)
1	12	Traffic and Transport	12.19	Embedded	Construction staff to be transported to / from compounds via minibuses.	Forming part of the CTMP secured as a requirement of the DCO via the Code of Construction Practice. An Outline CTMP is set out in the Outline CoCP (EN010147/APP/7.6.1), and detailed fully in the Detailed CoCP secured as a requirement of the DCO.
1	12	Traffic and Transport	12.20	Embedded	Highway works on the B4044 Eynsham Road / B4017 Cumnor Road / B4044 Oxford Road mini-roundabout, the B4017 Cumnor Road through Filchampstead and the B4027 / Banbury Road junction.	Forming part of the CTMP secured as a requirement of the DCO via the Code of Construction Practice. An Outline CTMP is set out in the Outline CoCP (EN010147/APP/7.6.1), and detailed fully in the Detailed CoCP

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
						secured as a requirement of the DCO.
1	13	Noise and vibration	13.7	Additional	A bespoke method statement will be required for HDD (and other high-noise emitting works) to be undertaken close to noise-sensitive receptors. This method statement will outline the proposed works to be undertaken and mitigation measures in place to ensure threshold levels are not exceeded.	Commitment to preparing a bespoke HDD method statement will be set out in the Outline CoCP (EN010147/APP/7.6.1). The bespoke HDD method statement will be developed at detailed design stage, for inclusion within detailed CoCP.
1	13	Noise and vibration	13.8	Additional	Vibration monitoring will be undertaken for HDD works close to flood defences (e.g. HDD6). In addition, vibration monitoring will be carried out where the cable route is adjacent to a residential dwelling (e.g. Burleigh Lodge (HDD 3)).	The requirement for a vibration monitoring of HDD6, and HDD3 will be set out in a bespoke HDD method statement. The commitment to preparing a bespoke HDD method statement will be set out in the Outline CoCP (EN010147/APP/7.6.1). The bespoke HDD method statement will be developed at detailed design stage, for inclusion within detailed CoCP.
1	13	Noise and vibration	13.1	Embedded	The following noise control measures will be considered in the design of the Project site. - The orientation and layout of the substations will be designed to minimise noise levels at nearby receptors. - Quieter equipment will be selected, where available and practicable, and mitigation measures such as acoustic barriers and enclosures will be specified where necessary.	The requirement for operational phase noise limits will be identified in the Outline Operational Management Plan (EN010147/APP/7.6.2). These noise limits will be defined in more detail and implemented through the Detailed Operational Management Plan to be secured as a requirement of the DCO.
1	13	Noise and vibration	13.2	Embedded	The core working hours for the construction of the Project will be 07:00 – 19:00 hours Monday	Construction hours will be set out in the Outline CoCP

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
					to Saturday. Activities carried out during mobilisation and maintenance will not generate significant noise levels (such as piling, or other such noisy activities). In circumstances outside of core working practices, specific works may have to be undertaken outside the core working hours (such as HDD). Vehicle movements may however be subject to unscheduled events outside these hours.	**[EN010147/APP/7.6.1]**, and secured through the DCO and agreed with relevant stakeholders.
1	13	Noise and vibration	13.3	Embedded	A Construction Traffic Management Plan (CTMP) will be prepared and submitted with the application for development consent. A CTMP will be developed in accordance with the outline CTMP to be submitted with the application for development consent. The CTMP will set standards and procedures for: 1. Managing the numbers and routing of HGVs during the construction phase; 2. Managing the movement of employee traffic during the construction phase; and 3. Details of measures to manage the safe passage of HGV traffic via the local highway network.	An Outline CTMP will be set out in the Outline CoCP **[EN010147/APP/7.6.1]**, and detailed fully in the Detailed CoCP to be secured as a requirement of the DCO.
1	13	Noise and vibration	13.4	Embedded	A Construction Noise and Vibration Management Plan will be prepared as part of the CoCP. It will include measures to mitigate noise from construction activities associated with the Project. If required, this will include a bespoke method statement for HDD (and other high-noise emitting works) undertaken close to noise-sensitive receptors.	The requirement for the Construction Noise and Vibration Management Plan will be identified in the Outline CoCP **[EN010147/APP/7.6.1]**, and detailed fully in the Detailed CoCP to be secured as a requirement of the DCO.

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
1	13	Noise and vibration	13.5	Embedded	An Operational Noise Management Plan will be prepared. The Plan will identify the noise limits for the operation of the Project and the measures for how these limits would be monitored. It will be informed by a full assessment of operational noise to be undertaken once the plant design is complete.	The requirement for operational phase noise limits will be identified in the Outline Operational Management Plan **[EN010147/APP/7.6.2]**. These noise limits will be defined in more detail and implemented through the Detailed Operational Management Plan to be secured as a requirement of the DCO.
1	13	Noise and vibration	13.6	Embedded	BPM will be implemented during the design, construction, operation, and maintenance of all aspects of the Project to ensure that noise levels in all reasonably foreseeable circumstances that adverse and significant adverse effects are minimised.	This will be set-out in the Outline CoCP **[EN010147/APP/7.6.1]**, and Outline Operational Management Plan **[EN010147/APP/7.6.2]**. Additional detail will be provided in the Detailed CoCP, and Detailed Operational Management Plan. This will be secured as a requirement of the DCO.
1	14	Climate Change	14.1	Embedded	As a renewable energy development, climate change mitigation is an inherent aim of the Project. In order to ensure maximum energy yield, and therefore maximum GHG emissions displacement, the solar array would be south facing, and tables of panels would be distanced between 1.5 and 3 m apart from one another so as to avoid inter-panel shading.	Committed within the Project design set out in Outline Layout and Design Principles document **[EN010147/APP/7.7]**
1	14	Climate Change	14.2	Embedded	Outline decommissioning plan has been produced and submitted alongside Application	Outline Decommissioning Plan **[EN010147/APP/7.6.4]**
1	14	Climate Change	14.3	Embedded	Outline GHG reduction strategy has been produced and submitted alongside Application	Volume 3, Appendix 14.3: Outline GHG Reduction Strategy **[EN010147/APP/6.5]**

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
1	14	Climate Change	14.4	Embedded	"Where practicable, pre-fabricated elements would be delivered to the site ready for assembly, which will reduce on-site construction waste and reduce vehicle movements as part of the construction process."	Outline Code of Construction Practice **[EN010147/APP/7.6.1]**
1	14	Climate Change	14.5	Embedded	"Construction materials would be sourced locally where practicable, to minimise the impact of transportation."	Outline Code of Construction Practice **[EN010147/APP/7.6.1]**
1	14	Climate Change	14.6	Embedded	"Vehicles used in road deliveries of materials, equipment and waste arisings on- and off-site would be loaded to full capacity, wherever practicable, to minimise the number of journeys associated with the transport of these items ."	Outline Code of Construction Practice **[EN010147/APP/7.6.1]**
1	14	Climate Change	14.7	Embedded	"All machinery and plant would be procured to adhere with emissions standards prevailing at the time of procurement, where feasible and should be maintained in good repair to remain fuel efficient."	Outline Code of Construction Practice **[EN010147/APP/7.6.1]**
1	14	Climate Change	14.8	Embedded	"When not in use, vehicles and plant machinery involved in site operations would be switched off to further reduce fuel consumption."	Outline Code of Construction Practice **[EN010147/APP/7.6.1]**
1	14	Climate Change	14.9	Embedded	"The volume of waste generated would be minimised, and resource efficiency maximised, by applying the principles of the waste hierarchy throughout the construction period. Segregated waste storage should be employed to maximise recycling potential for materials. "	Outline Code of Construction Practice **[EN010147/APP/7.6.1]**
1	14	Climate Change	14.10	Embedded	"GHG emissions arising from the construction stage can be minimised via engagement with	Outline Code of Construction Practice **[EN010147/APP/7.6.1]**

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
					the supply chain and procurement decisions that consider GHG emissions performance as documented through Environmental Product Declarations. Where feasible, construction elements such as solar panel modules and associated components will be selected with consideration of minimising GHG impacts."	
1	14	Climate Change	14.11	Embedded	"Equipment and machinery requiring electricity would only be switched on when required for use. Procedures would be implemented to ensure that staff adhere to good energy management practices, e.g. through turning off lights, computers and heating/air conditioning units when leaving buildings."	Outline Code of Construction Practice **[EN010147/APP/7.6.1]**
1	14	Climate Change	14.12	Embedded	Regular planned maintenance of the Scheme will be conducted to optimise efficiency of the Scheme infrastructure, such as replacement of PV modules and PCS, when required.	Outline Operational Management Plan **[EN010147/APP/7.6.2]**
1	14	Climate Change	14.13	Embedded	Increasing recyclability by segregating waste to be re-used and recycled were reasonably practicable.	Outline Operational Management Plan **[EN010147/APP/7.6.2]**
1	14	Climate Change	14.14	Embedded	Operating the Scheme in such a way as to minimise the creation of waste and maximise the use of alternative materials with lower embodied carbon such as locally sourced products and materials with a higher recycled content.	Outline Operational Management Plan **[EN010147/APP/7.6.2]**
1	14	Climate Change	14.15	Embedded	Encouraging the use of lower carbon modes of transport by identifying and communicating local bus connections and pedestrian and cycle access routes to/from the Scheme to all staff.	Outline Operational Management Plan **[EN010147/APP/7.6.2]**

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
1	14	Climate Change	14.16	Embedded	Switching off vehicles and plant when not in use and ensuring vehicles conform to current EU emissions standards.	Outline Operational Management Plan **[EN010147/APP/7.6.2]**
1	14	Climate Change	14.17	Embedded	Measures proposed for the construction phase (see Outline CoCP) will also be adopted for the decommissioning phase in respect of Climate Change.	Outline Decommissioning Plan (EN010147/APP/7.6.4)
1	14	Climate Change	14.18	Embedded	Ensure that best practice in relation to reuse, recovery, or repurposing of materials is considered, where practicable during the decommissioning stage. This would include measures such as recycling of PV modules, metalwork, and other pieces of infrastructure associate with the Project.	Outline Decommissioning Plan (EN010147/APP/7.6.4)
1	15	Socioeconomics	15.1	Embedded	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.	Appendix 15.2: Outline Skills, Supply Chain & Employment Plan
1	15	Socioeconomics	15.2	Embedded	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).	Appendix 15.2: Outline Skills, Supply Chain & Employment Plan
1	15	Socioeconomics	15.3	Embedded	Engage in the ethical procurement of the supply chain.	Appendix 15.2: Outline Skills, Supply Chain & Employment Plan

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
1	15	Socio Economics	15.4	Embedded	Advertise lane closures in advance so road users are forewarned and can manage commute to work effectively.	Construction Traffic Management Plan (within the Outline Code of Construction Practice) **[EN010147/APP/7.6.1]**
1	15	Socio Economics	15.5	Embedded	Make retained and new routes through the arrays appealing to people to encourage their use by providing information boards (with details of new routes); wildflowers and hedgerows (for visual screening); children's fun trails and education boards (e.g., on wildlife, heritage and solar energy).	Committed within the Project design set out in Outline Layout and Design Principles document **[EN010147/APP/7.7]**
1	15	Socio Economics	15.7	Embedded	Ensure suitable pedestrian access is maintained for diversions of any temporary route closures and provide appropriate wayfinding information for temporary diversions during construction and decommissioning, such as signposting and including approximate journey times on the routes. Wayfinding for circular walks or to destinations should be clearly signposted.	Construction Traffic Management Plan (within the Outline Code of Construction Practice) **[EN010147/APP/7.6.1]**
1	15	Socio Economics	15.8	Additional	Provide space for at least two food growing community groups (up to 30ha) to operate on the Site.	Outline Operational Management Plan **[EN010147/APP/7.6.2]**
1	15	Socio Economics	15.9	Additional	Monitor supply chain and employment records. Monitoring of the proportion of local people (particularly within the local study area) who are not in employment, education or training (NEET), unemployed, have high job instability or low-income characteristics who access training and apprenticeship or good quality stable employment opportunities related to the Project. Monitoring would allow the benefit to be confirmed, support engagement of NEET populations with any relevant opportunities,	Appendix 15.2: Outline Skills, Supply Chain & Employment Plan

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
					and also allow further tailoring to target local vulnerable groups if required.	
1	16	Health	16.1	Embedded	As far as reasonably practicable (e.g., subject to standards and security checks) work with local employment schemes (e.g. Job Centre) to support opportunities to provide local unemployed adults with access to interviews for construction, operation and maintenance and decommissioning job opportunities. This may include advertising and interviewing for jobs locally and using approaches that facilitate access for people with disabilities or social disadvantage.	Appendix 15.2: Outline Skills, Supply Chain & Employment Plan
1	16	Health	16.2	Embedded	To use landscaping, in combination with layout and design, to minimise visibility of electrical infrastructure (other than arrays and substations) close to PRoWs, in order to reduce perceptions of risk.	Proposed to be secured as a requirement of the DCO - via Outline Landscape and Ecology Management Plan **[EN010147/APP/7.6.3]**.
1	16	Health	16.3	Embedded	Providing and maintaining new permissive paths, cycle paths and the parts of the footpaths and bridleways that run through the arrays, within the Order Limits, to a specification to be agreed via the detailed oLEMP. Routes to include signs and information boards, including in formats that respond to visual impairments, with appropriate maintenance, as required. New routes to where reasonably practicable include access that supports people of all ages, including those with mobility and/or sensory needs.	Proposed to be secured as a requirement of the DCO - via Outline Landscape and Ecology Management Plan **[EN010147/APP/7.6.3]**.
1	16	Health	16.4	Additional	Periodic monitoring (years 1, 5, and 15, as set out within oLEMP) of PRoW use aligned with the methodologies used for the baseline	Outline Operational Management Plan **[EN010147/APP/7.6.2]**.

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
					surveys that are reported within the ES would determine if measures to avoid widespread behavioural change in use of PRoWs were effective and if necessary, with any additional action arising to reduce access barriers, to be agreed via the detailed LEMP.	
1	16	Health	16.5	Additional	Provide open and covered space in the solar farm for use by school field trips. An educational area could provide local schools with the basic facilities – benches and a covered area to undertake their own learning activities. Potential to walk to the educational site and potential for guided access to array areas would support both physical activity and learning outcomes for population health. Indicative layout (as set out with Outline Operational Management Plan (EN010147/APP/7.6.2)) Includes toilet (compost) and minibus parking (either provided or existing).	Proposed to be secured as a requirement of the DCO - via Outline Operational Management Plan **[EN010147/APP/7.6.2]**. Location, size and scale will be finalised during detailed design phase and included within the detailed Operational Management Plan.
1	16	Health	16.6	Additional	Continued community consultation and sharing of non-technical information relating to the project (e.g. explaining compliance with public exposure guidelines, actual risks associated with the project), to allow people to express concerns and gain awareness of actual health effects. This will partially be met through the DCO application process. Non-technical information and a point of contact for community liaison to be provided on the project website.	Outline Operational Management Plan **[EN010147/APP/7.6.2]**
1	16	Health	16.7	Embedded	Compliance with exposure standards set out in Department for Energy and Climate Change (DECC) Voluntary Code of Practice (Department for Energy Security and Net Zero,	In relation to construction: through the outline Code of Construction Practice (CoCP) **[EN010147/APP/7.6.1]**. In relation

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
					2012) including compliance with the International Commission on Non-Ionising Radiation Protection (ICNIRP) public exposure guidelines (ICNIRP, 1998, 2010).	to operation: through DCO requirement secured through Outline Operational Management Plan **[EN010147/APP/7.6.2]**
1	16	Health	16.8	Embedded	The construction and decommissioning workforces' healthcare support provision would, as a minimum, comply with the Health and Safety (First-Aid) Regulations 1981 and the UK Health and Safety Executive guidance L74 (Third edition) Published 2013 and updated in 2024. The Health and Safety (First-Aid) Regulations 1981 require employers to provide adequate and appropriate equipment, facilities and personnel to ensure their employees receive immediate attention if they are injured or taken ill at work.	Through the outline Code of Construction Practice (CoCP) **[EN010147/APP/7.6.1]**.
1	17	Agriculture and PROW	17.1	Embedded	Disturbance to PRoWs will be temporary where reasonably practicable and PRoWs will be reinstated as soon as reasonably practical. PRoW Management will be developed in accordance with the Outline PRoW Management Strategy. The detailed PRoW Management Strategy will include details of temporary and permanent diversions, such as: closures, controlled crossings, and signage to be provided during construction.	This mitigation measure would be developed in accordance with the Outline PRoW Management Strategy, which is to be submitted with the ES. The PRoW Management Strategy would be implemented via an Outline CoCP **[EN010147/APP/7.6.1]**, which forms a requirement of the DCO application for the Project.
1	17	Agriculture and PROW	17.2	Embedded	Where PRoWs are required to be closed during the construction Project, they will not be closed for any longer than three months at any one time, or for six months in total over the whole construction period. Where closures are required for longer periods due to unforeseen circumstances encountered during	This mitigation measure would be developed in accordance with the Outline PRoW Management Plan, which is to be submitted with the ES. The PRoW Management Plan would be implemented via an Outline CoCP **[EN010147/APP/7.6.1]**, which

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
					construction, the relevant local authorities will be informed in writing.	forms a requirement of the DCO application for the Project.
1	17	Agriculture and PROW	17.3	Embedded	A Soil Management Plan to ensure the conservation of soil resources; avoidance of damage to soil structures; maintenance of soil drainage; and the reinstatement, where required, of soil profiles as near as possible to their former condition. To maintain the quality of agricultural land temporarily affected by disturbance during the construction and decommissioning period. The following measures would be included in the Soil Management Plan for the Project: • Separate stripping and storage of identified topsoil and subsoil resources to prevent mixing of soil materials which can reduce overall soil quality. • Location of topsoil and subsoil heaps to avoid cross-contamination of materials and the trafficking of soil heaps by construction traffic. • Maintenance of topsoil and subsoil heaps to reduce potential losses of soil materials throughout the duration of storage. • Control of the timing of soil handling operations to reduce potential soil damage through handling in unsuitable conditions. • Choice of soil handling machinery and method for its use, to reduce potential for soil compaction and soil damage. • Implementation of appropriate soil aftercare following reinstatement of land in	These mitigation measures would be included in the Outline Soil Management Plan and implemented via an Outline CoCP **[EN010147/APP/7.6.1]**, which forms a requirement of the DCO application for the Project.

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
					accordance with the Outline Soil Management Strategy. • Careful supervision of soil handling operations on site to ensure that recognised good practice is effectively implemented on site.	
1	17	Agriculture and PROW	17.3	Embedded	Farm access routes between fields within a farm holding will be maintained (where reasonably practicable), or alternative routes agreed with the land holder to enable the continued operation of agricultural land holdings during the construction phase.	These mitigation measures would be developed in line with the Outline CoCP **[EN010147/APP/7.6.1]**, which is to be submitted alongside the ES. The Outline CoCP would form a requirement of the DCO application for the Project.
1	17	Agriculture and PROW	17.4	Embedded	PRoWs affected during construction of the Project will be reinstated following completion of the works to ensure that no permanent effects remain and to maintain the connectivity of the wider PRoW network.	These mitigation measures would be developed in line with the Outline CoCP **[EN010147/APP/7.6.1]**, which is to be submitted alongside the ES. The Outline CoCP would form a requirement of the DCO application for the Project.
1	18	Waste and Resources	18.1	Embedded	The design of the Project predominantly uses prefabrication. This reduces the generation of construction waste on site with waste produced during the manufacture of the solar PV units, mounting structures and cabling. This means that most of the onsite construction waste associated with the Project is packaging.	
1	18	Waste and Resources	18.2	Embedded	An Outline Site Resources and Waste Management Plan **[EN010147/APP/7.6.1]** has been prepared sets out the estimated types and quantities of waste that would be generated during the construction process,	The SRWMP will be implemented via an Outline Code of Construction Practice **[EN010147/APP/7.6.1]**, which

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
					together with measures for how the waste will be managed. The Outline SRWMP is based on the waste hierarchy and proximity principles for managing waste generated by the project including targets to divert waste from landfill. The SRWMP also identifies the key resources that will be used in the construction of the project and commitments for using secondary/recycled content materials where feasible.	forms a requirement of the DCO application for the Project.
1	18	Waste and Resources	18.3	Embedded	Waste Electrical and Electronic Equipment (WEEE) including photovoltaic panels and from supporting electrical infrastructure (e.g. power converter stations) generated during the operation and decommissioning phases will be recovered and recycled by an authorised reprocessor as required by the WEEE Regulations 2013. To ensure that this is done to the 'Best Available Treatment, Recovery and Recycling Techniques, a list of up-to-date authorised reprocessors will be established prior to the operational phase of the Project and kept up to date throughout the operation and decommissioning phases of the Project.	An Operational Waste Management Plan will be prepared and agreed with the relevant waste planning authority prior to construction commencing as secured through the outline Operational Management Plan **[EN010147/APP/7.6.2]**. A Decommissioning Waste Management Plan will be prepared and agreed with the relevant waste planning authority prior to decommissioning as secured through the outline Decommissioning Plan **[EN010147/APP/7.6.3]**
	1	19Air Quality		19.1Embedded	Communications • Develop and implement a stakeholder communications plan that includes community engagement before work commences on site • Display the name and contact details of person(s) accountable for air quality and dust issues on the site boundary. This may	Dust Management Plan appended to Outline Code of Construction Practice **[EN010147/APP/7.6.1]**

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
					be the environment manager/engineer or the site manager. • Display the head or regional office contact information.	
1	19	Air Quality	19.2	Embedded	Dust Management • Develop and implement a Dust Management Plan (DMP), which may include measures to control other emissions, approved by the Local Authority. The level of detail will depend on the risk, and should include as a minimum the highly recommended measures in this document. The desirable measures should be included as appropriate for the site. The DMP may include monitoring of dust deposition, dust flux, real-time PM continuous monitoring and/or visual inspections.	Dust Management Plan appended to Outline Code of Construction Practice **[EN010147/APP/7.6.1]**
1	19	Air Quality	19.3	Embedded	Site Management • Record all dust and air quality complaints, identify cause(s), take appropriate measures to reduce emissions in a timely manner, and record the measures taken. • Make the complaints log available to the local authority when asked. • Record any exceptional incidents that cause dust and/or air emissions, either on- or off-site, and the action taken to resolve the situation in the log book. • Hold regular liaison meetings with other high risk construction sites within 500m of the site boundary, to ensure plans are co-ordinated and dust and particulate matter	Dust Management Plan appended to Outline Code of Construction Practice **[EN010147/APP/7.6.1]**

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
					emissions are minimised. It is important to understand the interactions of the off-site transport/deliveries which might be using the same strategic road network routes.	
1	19	Air Quality	19.4	Embedded	Monitoring • Undertake daily on-site and off-site inspection, where receptors (including roads) are nearby, to monitor dust, record inspection results, and make the log available to the local authority when asked. This should include regular dust soiling checks of surfaces such as street furniture, cars and window sills within 100 m of the site boundary, with cleaning to be provided if necessary. • Carry out regular site inspections to monitor compliance with the DMP, record inspection results, and make an inspection log available to the local authority when asked. • Increase the frequency of site inspections by the person accountable for air quality and dust issues on site when activities with a high potential to produce dust are being carried out and during prolonged dry or windy conditions. • Agree dust deposition, dust flux, or real-time PM10 continuous monitoring locations with the Local Authority. Where possible commence baseline monitoring at least three months before work commences on site or, if it is a large site, before work on a phase commences. Further guidance is provided by IAQM on monitoring during demolition, earthworks and construction.	Dust Management Plan appended to Outline Code of Construction Practice **[EN010147/APP/7.6.1]**

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
1	19	Air Quality	19.5	Embedded	Preparing and Maintaining the Site • Plan site layout so that machinery and dust causing activities are located away from receptors, as far as is possible. • Erect solid screens or barriers around dusty activities or the site boundary that are at least as high as any stockpiles on site. • Fully enclose site or specific operations where there is a high potential for dust production and the site is active for an extended period. • Avoid site runoff of water or mud. • Keep site fencing, barriers and any scaffolding cl ean using wet methods. • Remove materials that have a potential to produce dust from site as soon as possible, unless being re-used on site. If they are being re-used on-site cover as described below. • Cover, seed or fence stockpiles to prevent wind whipping.	Dust Management Plan appended to Outline Code of Construction Practice **[EN010147/APP/7.6.1]**
1	19	Air Quality	19.6	Embedded	Operating Vehicle/Machinery and Sustainable Travel • Ensure all vehicles switch off engines when stationary – no idling vehicles. • Avoid the use of diesel or petrol powered generators and use mains electricity or battery powered equipment where practicable. • Impose and signpost a maximum-speed-limit of 15 mph on surfaced and 10 mph on	Dust Management Plan appended to Outline Code of Construction Practice **[EN010147/APP/7.6.1]**

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
					un-surfaced haul roads and work areas (if long haul routes are required these speeds may be increased with suitable additional control measures provided, subject to the approval of the nominated undertaker and with the agreement of the local authority, where appropriate). • Produce a Construction Logistics Plan to manage the sustainable delivery of goods and materials. • Implement a Travel Plan that supports and encourages sustainable travel (public transport, cycling, walking, and car-sharing).	
1	19	Air Quality	19.7	Embedded	Operations • Only use cutting, grinding or sawing equipment fitted or in conjunction with suitable dust suppression techniques such as water sprays or local extraction, e.g. suitable local exhaust ventilation systems. • Ensure an adequate water supply on the site for effective dust/particulate matter suppression/mitigation, using non-potable water where possible and appropriate. • Use enclosed chutes and conveyors and covered skips. • Minimise drop heights from conveyors, loading shovels, hoppers and other loading or handling equipment and use fine water sprays on such equipment wherever appropriate. • Ensure equipment is readily available on site to clean any dry spillages, and clean	Dust Management Plan appended to Outline Code of Construction Practice **[EN010147/APP/7.6.1]**

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
					up spillages as soon as reasonably practicable after the event using wet cleaning methods.	
1	19	Air Quality	19.8	Embedded	Waste Management • Avoid bonfires and burning of waste materials.	Dust Management Plan appended to Outline Code of Construction Practice **[EN010147/APP/7.6.1]**
1	19	Air Quality	19.9	Embedded	High Risk Measures Specific to Earthworks • Re-vegetate earthworks and exposed areas/soil stockpiles to stabilise surfaces as soon as practicable. • Use Hessian, mulches or tackifiers where it is not possible to re-vegetate or cover with topsoil, as soon as practicable. • Only remove the cover in small areas during work and not all at once.	Dust Management Plan appended to Outline Code of Construction Practice **[EN010147/APP/7.6.1]**
1	19	Air Quality	19.10	Embedded	Medium Risk Measures Specific to Construction • Ensure sand and other aggregates are stored in bunded areas and are not allowed to dry out, unless this is required for a particular process, in which case ensure that appropriate additional control measures are in place.	Dust Management Plan appended to Outline Code of Construction Practice **[EN010147/APP/7.6.1]**
1	19	Air Quality	19.11	Embedded	High Risk Measures Specific to Trackout • Use water-assisted dust sweeper(s) on the access and local roads, to remove, as necessary, any material tracked out of the site. This may require the sweeper being continuously in use. • Avoid dry sweeping of large areas.	Dust Management Plan appended to Outline Code of Construction Practice **[EN010147/APP/7.6.1]**

Volume	Chapter	Title	Mitigation No.	Embedded / Additional	Mitigation	Committed through/Secured via
					• Ensure vehicles entering and leaving sites are covered to prevent escape of materials during transport. • Inspect on-site haul routes for integrity and instigate necessary repairs to the surface as soon as reasonably practicable. • Record all inspections of haul routes and any subsequent action in a site log book. • Install hard surfaced haul routes, which are regularly damped down with fixed or mobile sprinkler systems, or mobile water bowsers and regularly cleaned. • Implement a wheel washing system (with rumble grids to dislodge accumulated dust and mud prior to leaving the site where reasonably practicable). • Ensure there is an adequate area of hard surfaced road between the wheel wash facility and the site exit, wherever site size and layout permits. • Access gates to be located at least 10m from receptors where possible.	