



Stonestreet Green Solar

Mitigation Schedule

PINS Ref: EN010135

Doc Ref. 7.7

Version 1

June 2024

APFP Regulation 5(2)(q)

Planning Act 2008

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



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1 Mitigation Schedule

1.1 Introduction

1.1.1 This Mitigation Schedule sets out the mitigation proposed in the **Environmental Statement (Doc Ref. 5.1 to 5.4)** for the Stonestreet Green Solar Development Consent Order (DCO) application.

1.2 Structure

1.2.1 This Mitigation Schedule is laid out in the order of the environmental topics contained with the chapters of **Volume 2 of the Environmental Statement (Doc Ref. 5.2)**. These are as follows:

- Cultural heritage;
- Landscape and views;
- Biodiversity;
- Water environment;
- Land contamination;
- Socio-Economics;
- Traffic and access;
- Noise;
- Climate change;
- Cumulative effects and effect interactions.

1.2.2 The measures proposed for each topic are secured in the **Draft Development Consent Order (Doc Ref. 3.1)** and associated documents, including the **Works Plans (Doc Ref. 2.3)**, **Vegetation Removal Plan (Doc Ref. 2.8)**, and the suite of management plans and strategies in Book 7.

1.2.3 Each table identifies the type of mitigation proposed and the phase of the Project to which it applies (construction, operation or decommissioning). Each table also identifies the source of the mitigation proposed and the responsibility for its implementation.

1.2.4 This Mitigation Schedule should be read alongside the **Guide to the Application (Doc Ref. 1.5)** which sets out the roles and structure of the Control Documents which form the securing mechanisms for the mitigation identified.

Table 1: Cultural Heritage

Ref.	Mitigation Measure	Embedded and / or Additional Mitigation	Project Phase	Securing Mechanism	Source
CH1	Layout and buffers – No development is proposed on land immediately to the south of Bank Farmstead and immediately north of Qusted's Cottage.	Embedded	Construction, operation	Works Plans (Doc Ref. 2.3)	ES Chapter 7 Section 7.6
CH2	Landscaping – Retention of existing trees and hedgerows for screening purposes will offer protection to surrounding rural views across the landscape, maintain the present field pattern and the existing enclosure and screening of the Site.	Embedded	Construction, operation	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 4 (Detailed Design Approval)	ES Chapter 7 Section 7.6
CH3	Lighting – CCTV will be infrared. Operational lighting (excluding Sellindge Substation) will be limited for emergency and overnight maintenance purposes only at Inverter Stations, Intermediate Substations and the Project Substation and will be directed within the Order limits.	Embedded	Operation	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 4 (Detailed Design Approval) Requirement 12 (Operational management plan)	ES Chapter 7 Section 7.4
CH4	Archaeology – the AMS secures appropriate mitigation to limit direct effects to archaeological remains, including a targeted watching brief and further pre-construction archaeological investigation.	Additional	Construction	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 9 (Archaeology)	ES Chapter 7 Sections 7.8
CH5	Hedgerows – hedgerows are being restored along historic boundary lines to maintain historic field patterns, screen views and to reduce any possible glint.	Embedded	Construction, operation	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 8 (Landscape and biodiversity)	ES Chapter 7 Section 7.6
CH6	Flexibility – the Project layout includes flexibility to respond to archaeological features which may be identified through pre-construction archaeological investigation.	Embedded	Construction	Works Plans (Doc Ref. 2.3) Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 4 (Detailed Design Approval)	ES Chapter 7 Section 7.6
CH7	PV Panel mounting structures – potential for alternative mounting solution should piling not be feasible due to ground conditions or archaeological constraints.	Embedded	Construction	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 4 (Detailed Design Approval)	ES Chapter 7 Section 7.6
CH8	Intrusive works for Work No. 7 – intrusive works for the construction and decommissioning compounds are limited to security fencing. The internal haulage route will not involve intrusive construction work.	Embedded	Construction, decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 4 (Detailed Design Approval)	ES Chapter 7 Section 7.6

Ref.	Mitigation Measure	Embedded and / or Additional Mitigation	Project Phase	Securing Mechanism	Source
CH9	Stonelees – hedgerow and fencing buffers accommodate a 15m buffer from the Grade II* listed building. New hedgerow to be planted to limit impacts on the cultural heritage setting.	Embedded	Construction, operation	Works Plans (Doc Ref. 2.3), Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 8 (Landscape and biodiversity)	ES Chapter 7 Section 7.6
CH10	Other Designated Assets – reinforcement of existing hedgerows and planting of new hedgerows where required to limit impacts on the cultural heritage settings of Goodwins Farmhouse and Goldwell, both Grade II listed buildings.	Embedded	Construction, operation	Works Plans (Doc Ref. 2.3), Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 8 (Landscape and biodiversity)	ES Chapter 7 Section 7.6

Table 2: Landscape and Views

Ref.	Mitigation Measure	Embedded and / or Additional Mitigation	Development Phase	Securing Mechanism	Source
LV1	Height – key infrastructure has a restricted height, with the PV panels limited to a height of 3.5m above ground level, security fences approximately 2.5m above ground level (AGL) (with the exception of palisade fencing for the Project Substation which has a height of 3m AGL) and CCTV poles approximately 3m AGL. The heights of the Inverter Stations, Intermediate Substations, BESS and acoustic fencing are limited to 4m AGL. The Project Substation will have a height of no more than 7.5m AGL.	Embedded	Construction, operation	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 4 (Detailed Design Approval)	ES Chapter 8 Section 8.6
LV2	Arrangement – the PV panels are mounted in rows set a minimum of 2m and maximum of 5m apart to retain a relatively open, visually permeable appearance. 3.2m minimum buffers from existing hedgerows to proposed security fencing will protect existing landscape features.	Embedded	Construction, Operation	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 4 (Detailed Design Approval)	ES Chapter 8 Section 8.6
LV3	Lifespan – the modelled operational 40-year lifespan of the Project and the way in which it is constructed is such that it generally has a temporary character, and the existing baseline is readily reinstated on removal.	Embedded	Operation	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 2 (Expiry of development consent)	ES Chapter 8 Section 8.6
LV4	Vegetation removal – vegetation removal is limited and existing vegetation will be protected.	Embedded	Construction, decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 4 (Detailed Design Approval)	ES Chapter 8 Section 8.6
LV5	Construction measures – good practice construction measures will be implemented to avoid impacts on the rural character of the area.	Embedded	Construction	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 6 (Construction environmental management plan)	ES Chapter 8 Section 8.8
LV6	Field boundaries and hedgerows – the existing field boundary structure is to be retained and all existing hedgerows and boundary vegetation are to be reinforced. New native hedgerows are to be introduced to visually break up the extent of PV panels and to provide new habitat connectivity.	Embedded	Construction, operation	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 8 (Landscape and biodiversity)	ES Chapter 8 Section 8.6
LV7	PRoW corridors – PRoW are to be diverted to follow existing/proposed field boundaries; PRoWs are to be a minimum of 2m wide and corridors are to have a minimum 10m width, except where PRoW New 3 passes adjacent to Work No. 3 which will sit in a 5m corridor.	Embedded	Construction, Operation	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 4 (Detailed Design Approval)	ES Chapter 8 Section 8.6
LV8	Planting and habitat creation – retention and seeding of grassland, provision of new mosaic planting to establish new habitats including wildlife ponds and scrapes, native aquatic/wetland planting, native shrub and tree planting, wildflower seeding and orchard planting.	Embedded and additional	Construction, operation	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 8 (Landscape and biodiversity)	ES Chapter 8 Section 8.6

Ref.	Mitigation Measure	Embedded and / or Additional Mitigation	Development Phase	Securing Mechanism	Source
LV9	Grazing – provision of grazing areas where possible to provide opportunity to retain agricultural use.	Embedded	Operation	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 8 (Landscape and biodiversity)	ES Chapter 8 Section 8.6
LV10	Maturation of landscape planting – monitoring arrangements to ensure the successful establishment of the planting proposals.	Embedded and additional	Operation	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 8 (Landscape and biodiversity)	ES Chapter 8 Section 8.8
LV11	Kent Downs National Landscape – new tree and vegetation planting will be included on the southern edge of Field 20 to provide enhanced screening and restrict potential views of the Project from the Kent Downs National Landscape	Embedded	Construction, Operation	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 8 (Landscape and biodiversity)	ES Chapter 8 Section 8.8

Table 3: Biodiversity

Ref.	Mitigation Measure	Embedded and / or Additional Mitigation	Development Phase	Securing Mechanism	Source
BIO1	Retention of key habitats – retention of the most ecologically important habitats and boundary features means that ancient woodland, veteran trees, woodland, hedgerows, ponds, arable margins, the East River Stour and badger setts have all been incorporated into the Project layout and landscape design with appropriate exclusion zones.	Embedded	Construction, operation, decommissioning	Works Plans (Doc Ref. 2.3) Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 8 (Landscape and biodiversity)	ES Chapter 9 Section 9.6
BIO2	Vegetation loss – No more than 150m of hedgerow is to be removed.	Embedded	Construction	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 4 (Detailed Design Approval)	ES Chapter 9 Section 9.6
BIO3	River crossings – HDD will be used to install the Electrical Cables beneath the East Stour River. Where HDD is used, a minimum depth of 2m from the bed of the river or watercourse will be maintained. The vehicle bridge crossings will be pre-engineered modular steel bridges and will be installed to avoid impact to the channel and minimise on-site engineering. River crossings will be subject to pre-commencement ecological surveys and watercourse pollution measures.	Embedded	Construction	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 4 (Detailed Design Approval), Requirement 8 (Landscape and biodiversity) Requirement 6 (Construction environmental management plan)	ES Chapter 9 para 9.6.12
BIO4	Biodiversity Improvement Areas – the Project includes the provision of areas free of PV panels as 'Biodiversity Improvement Areas' (BIA) which will be managed for habitats and species. These BIAs provide a network of open space habitats across the Site, connected by the retained and enhanced boundary habitat network.	Embedded	Construction, operation	Works Plans (Doc Ref. 2.3) Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 8 (Landscape and biodiversity)	ES Chapter 9 Section 9.6
BIO5	Species-specific mitigation - Prior to construction and decommissioning the ecological baseline conditions will be reconfirmed and any new ecological risks identified. Pre-commencement surveys will be used to re-establish ecological baselines and update Natural England mitigation licenses or precautionary ecological watching briefs where required. A number of ecological features and habitats required as mitigation for specific species impacts. This includes the provision of winter bird crop strips, skylark plots, variation in hedgerow management, mammal access gates and incorporation of bat boxes, bird boxes, hibernacula and log piles. Design of the open space / ecological enhancement areas includes large flower rich and rough grassland areas for skylark nesting and for brown hare.	Embedded	Construction, operation and decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 8 (Landscape and biodiversity)	ES Chapter 9 Section 9.6
BIO6	Construction measures – good practice construction measures are to be undertaken to minimise disruption and manage the impacts of the Project.	Embedded	Construction	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 6	ES Chapter 9 Section 9.6

Ref.	Mitigation Measure	Embedded and / or Additional Mitigation	Development Phase	Securing Mechanism	Source
				(Construction environmental management plan) Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 8 (Landscape and biodiversity)	
BIO7	Root protection – offsets for the Root Protection Areas (RPAs) of veteran trees (which will be 15 times the stem diameter of the tree) or the ancient woodland construction buffer zones (which will be 15m from the ancient woodland canopy edge). Any works within these RPAs will be conducted under an Arboricultural Method Statement.	Embedded	Construction	Works Plans (Doc Ref. 2.3) Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 4 (Detailed Design Approval) Requirement 6 (Construction environmental management plan) Requirement 8 (Landscape and biodiversity)	ES Chapter 9 Table 9.1, Table 9.3
BIO8	Temporary surface water drainage - temporary surface water drainage will be installed during the construction phase to mitigate flood risk and sediment loading and, where possible will align with the permanent drainage solution. Where reasonably possible, operational surface water drainage features will be constructed in advance of general decommissioning activities.	Embedded	Construction, decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 6 (Construction environmental management plan) Requirement 14 (Decommissioning and site restoration)	ES Chapter 9 Section 9.6
BIO9	Surveys - pre-commencement surveys will be carried out in advance of construction/decommissioning for species where the baseline may change between years and / or where updates are required to inform Natural England mitigation licences. Where pre-commencement surveys determine that a mitigation licence or species mitigation strategy is required, this will be reviewed with the developer and construction contracted and submitted and reviewed by the relevant statutory body (e.g. Natural England) as appropriate. Updated baseline surveys will be required prior to decommissioning.	Embedded and additional	Construction, decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 6 (Construction environmental management plan) Requirement 8 (Landscape and biodiversity) Requirement 14 (Decommissioning and site restoration)	ES Chapter 9 Sections 9.6 and 9.8

Ref.	Mitigation Measure	Embedded and / or Additional Mitigation	Development Phase	Securing Mechanism	Source
BIO10	Species licences - if works are anticipated to result in legally significant impacts upon badger, otter, hazel dormouse or great crested newt, any such works will be conducted under a mitigation licence from Natural England, in accordance with the licensed mitigation measures.	Embedded	Construction, decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 8 (Landscape and biodiversity)	ES Chapter 9 Section 9.6
BIO11	Ecological watching brief - A precautionary ecological watching brief for legally protected and otherwise notable species will be implemented and controlled via the Outline CEMP (and any Natural England mitigation licences) when clearing vegetation or piles of debris.	Embedded	Construction, decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Requirement 6 (Construction environmental management plan) Requirement 14 (Decommissioning and site restoration)	ES Chapter 9 Section 9.6
BIO12	Fencing - fences will be installed to allow free movement of species such as brown hare and badger, most likely via mammal gates installed at locations likely to be used by these species and/or via the provision of a gap between the solar boundary fence and ground level.	Embedded	Operation	Draft Development Consent Order (Doc Ref. 3.1) Requirement 4 (Detailed Design Approval) Requirement 8 (Landscape and biodiversity)	ES Chapter 9 Section 9.6
BIO13	Management and maintenance - maintenance and management operations will be undertaken in accordance with the LEMP, which will include seasonal timing constraints to minimise the likelihood of adverse effects upon important species and will be informed by a series of ecological constraints and management plan drawings that will be updated following periodic monitoring and advice from a suitably experienced ecologist.	Embedded	Operation	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 8 (Landscape and biodiversity)	ES Chapter 9 Section 9.6
BIO14	Ecological monitoring - to assess the effectiveness of habitat creation, establishment and any remedial actions needed for habitats or ecological features post-development, specific ecological monitoring surveys are proposed at a frequency to be agreed with stakeholders as part of detailed iterative design. Following each monitoring period, a monitoring report will be issued to the Local Planning Authority ('LPA'), including for any necessary remedial measures or management 'tweaks'.	Embedded and additional	Operation	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 8 (Landscape and biodiversity)	ES Chapter 9 Sections 9.6 and 9.8, Table 9.3, Table 9.4, Table 9.13
BIO15	Habitat condition surveys - habitat condition assessment surveys are to be carried out to record habitat types, establishment and condition against the requirements of the Outline Biodiversity Net Gain Assessment ('BNG'). Frequency to be agreed with stakeholders as part of detailed iterative design.	Embedded	Operation	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 8 (Landscape and biodiversity)	ES Chapter 9 Section 9.6
BIO16	Lighting – the Project (excluding Sellindge Substation) will not be lit during the operational phase except for where lighting is required in emergencies and	Embedded	Operation	Draft Development Consent Order (Doc Ref. 3.1)	ES Chapter 9 Section 9.6

Ref.	Mitigation Measure	Embedded and / or Additional Mitigation	Development Phase	Securing Mechanism	Source
	overnight maintenance purposes only at Inverter Stations, Intermediate Substations and the Project Substation and will be directed within the Order limits.			Requirement 4 (Detailed Design Approval) Requirement 12 (Operational management plan)	
BIO17	Hedgerow protection and management – During the construction and decommissioning phase protection zones will be established. The current hedgerow management regime will be relaxed and new and existing hedgerows will be allowed to establish. The hedgerows will create green corridors around the Site which will link to existing and retained hedgerows, and to other semi-natural habitats beyond the Site. Proposed hedgerows planted along historic boundaries to partially restore the historic hedgerow network.	Embedded	Construction, operation and decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 8 (Landscape and biodiversity)	ES Chapter 9 para 9.6.20, Table 9.4
BIO18	Skylark habitat creation – alternative nesting provision has been provided through creation of open meadow areas and through additional use of skylark plots throughout the PV array areas.	Embedded and additional	Construction, operation	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 8 (Landscape and biodiversity)	ES Chapter 9 Section 9.6
BIO19	Nutrients – to mitigate against the risk of nutrient runoff to the East Stour River, the foul water generated by the Project will be transported by tanker for treatment and final discharge outside the Stour catchment.	Embedded	Construction, operation and decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 6 (Construction environmental management Plan) Requirement 12 (Operational management plan) Requirement 14 (Decommissioning and site restoration)	ES Chapter 9 Tables 9.1
BIO20	Impacts on ancient woodland, veteran trees – A minimum buffer of 15 times the stem diameter or 5m beyond the trees crown spreads (whichever is greater) for veteran trees and of 15m from the canopy spread for ancient woodland will be maintained. Within this buffer no infrastructure will be constructed. Implementation of good practice construction measures will reduce potential impacts through minimising risk of pollution incidents, minimising any risk of encroachment within protection zones and controlling vehicle and soil movements.	Embedded	Construction, decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Requirement 4 (Detailed Design Approval) Requirement 6 (Construction environmental management plan) Requirement 14 (Decommissioning and site restoration)	ES Chapter 9 Table 9.13
BIO21	Watercourse protection – suitable protection zones will be set up around watercourses during construction. Good practice construction measures will be implemented for the construction and decommissioning phases. A minimum 10m buffer will be implemented for the East Stour River or other identified	Embedded	Construction, decommissioning	Draft Development Consent Order (Doc Ref. 3.1)	ES Chapter 9 Table 9.1, Table 9.13

Ref.	Mitigation Measure	Embedded and / or Additional Mitigation	Development Phase	Securing Mechanism	Source
	watercourses. No new physical infrastructure other than essential works (such as cable crossings, watercourse crossings, drainage and Public Rights of Way ('PRoW') footbridges) will be developed within this buffer. A further detailed HDD risk assessment will be required prior to construction or decommissioning.			Requirement 4 (Detailed Design Approval) Requirement 6 (Construction environmental management plan) Requirement 14 (Decommissioning and site restoration)	
BIO22	Wye and Crundale Downs SAC – construction traffic will not be routed within 200m of the Wye and Crundale Downs SAC		Construction, decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 7 (Construction traffic management plan)	ES Chapter 9 Table 9.1
BIO23	Invasive Species and biosecurity – biosecurity measures will be adopted for the construction, operation and decommissioning phases to protect against the spread of any invasive non-native species and to protect biodiversity.	Embedded	Construction, operation, decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 6 (Construction environmental management plan) Requirement 8 (Landscape and biodiversity) Requirement 14 (Decommissioning and site restoration)	ES Chapter 9 Table 9.1, and Section 9.6
BIO24	Habitat creation and enhancement - the majority of the PV Arrays will include creation of extensive grassland and flower rich areas, which will be a significant biodiversity enhancement from the existing arable and pasture land uses.	Embedded	Construction, operation	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 8 (Landscape and biodiversity)	ES Chapter 9, Table 9.3
BIO25	Site protection measures – The PV panels will be set within security fencing comprising deer-proof fencing (wooden posts, metal fencing) with a maximum height of 2.5m AGL. Distance between the security fencing and hedgerows outside of the security fence would be at least 3.2m. Limitation on the removal of vegetation, ecological features and habitats on the field margin areas between where the PV arrays are to be set out, through the avoidance of retained woodland areas and root protection areas ('RPAs') where possible during construction and decommissioning phases. Vegetation loss will be restricted and no more than 150m of hedgerow is to be removed, unless otherwise agreed with the LPA.	Embedded	Construction, decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Requirement 4 (Detailed Design Approval) Requirement 6 (Construction environmental management plan) Requirement 14 (Decommissioning and site restoration)	ES Chapter 9, Table 9.4

Table 4: Water Environment

Ref.	Mitigation Measure	Embedded and / or Additional Mitigation	Development Phase	Securing Mechanism	Source
WE1	Construction Environmental Management Plan – a detailed CEMP including a Construction Surface Water Drainage Scheme and Construction Method Statement will be produced to detail the approach for construction and mitigation and to protect the water environment.	Embedded	Construction	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 6 (Construction environmental management plan)	ES Chapter 10 Section 10.7
WE2	General measures - general water environment mitigation measures include measures to prevent adverse impacts on flood risk, surface water drainage and pollution control of soils, sediment, cements and other polluting sources which may be hazardous to the water environment.	Embedded	Construction, operation, decommissioning	Draft DCO (Doc Ref. 3.1) Schedule 2, Requirement 6 (Construction environmental management plan) Requirement 14 (Decommissioning and site restoration) Requirement 11 (Operational surface water drainage strategy)	ES Chapter 10 Section 10.7
WE3	Siting of Project components - the siting of the Grid Connection Route, Project Substation and the construction site access roads have been designed to minimise land take and to avoid, where possible, construction related impacts on existing drainage networks and features. Where the Grid Connection Route and access roads cross smaller watercourses and land drainage, measures would be discussed with the relevant stakeholders with appropriate consents in place. All Inverter Stations, BESS and Intermediate Substations are located outwith fluvial Flood Zone 2 or 3 extents and areas of high surface water flood risk.	Embedded	Construction, operation and decommissioning	Works Plans (Doc Ref. 2.3) Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 4 (Detailed Design Approval)	ES Chapter 10 Section 10.7
WE4	Emergency Flood Response Plan - will be prepared for the construction and operational and decommissioning phases setting out actions that will be implemented in the event of flooding or the issue of a flood alert or warning during construction works. This would include a procedure for securing or relocating materials stored in bulk and evacuation routes for personnel on-site.	Embedded	Construction, operation and decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 6 (Construction environmental management plan) Requirement 12 (Operational management plan) Requirement 14 (Decommissioning and site restoration)	ES Chapter 10 Section 10.6
WE5	Construction measures - if field underdrainage is encountered, in the first instance, measures to avoid damage or disruption to the underdrainage system will be implemented, by micrositing excavations. Where this is not practicable, field underdrainage would, in consultation with the landowner, be diverted or	Embedded	Construction	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 6	ES Chapter 10 Section 10.7

Ref.	Mitigation Measure	Embedded and / or Additional Mitigation	Development Phase	Securing Mechanism	Source
	replaced. Any stockpiles used in the site construction would be kept to minimum possible size with gaps to allow surface water runoff to pass through. Storage of materials and stockpiling will be avoided within the fluvial floodplain (Flood Zone 3), within the Flood Storage Area and in any other areas known to be at risk of surface water flooding.			(Construction environmental management plan)	
WE6	Watercourse crossings - temporary watercourse crossings required to facilitate access to the Project will be subject to separate detailed design and consent applications made (as appropriate) to either the EA or IDB. The temporary crossings over the East Stour River will be free span Bailey Bridges to avoid impact to the channel and minimise on-site engineering. The vehicle bridge crossings will be installed to avoid impact to the channel and minimise on-site engineering. The bridge soffits will be set at least 600mm above the adjacent bank level and the bridge supports will be set back at least 1m from the edge of the top of the bank. The track approach to the watercourse crossings will be kept at grade.	Embedded	Construction, operation, decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 4 (Detailed Design Approval)	ES Chapter 10 Section 10.7
WE7	HDD methods - cable entry and exit points within transition pits will be sealed with an appropriate water proofing material to mitigate pollution incidents. HDD drilling will be undertaken at a depth of at least 2m beneath watercourse beds or greater if necessary. The entry and exit pit locations from which the cable will be directionally drilled will be set back at least 10m from the bank/channel edge.	Embedded	Construction	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 4 (Detailed design approval) Requirement 6 (Construction environmental management plan)	ES Chapter 10 Section 10.7
WE8	Surface water drainage – temporary surface water management for areas where significant earthworks are required (Project Substation, Inverter Stations, Intermediate Substations) will necessitate the provision of construction surface water drainage schemes for these areas. Secondary construction compounds will be unsurfaced and the internal haulage road will comprise permeable ground protection mats.	Embedded	Construction and decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 6 (Construction environmental management plan) Requirement 14 (Decommissioning and site restoration)	ES Chapter 10 Section 10.7
WE9	Stormwater outfalls - there will be no stormwater outfalls into the East Stour River. Stormwater outfalls to Ordinary Watercourses will be set back from the channel and instead, where possible, will have a diffuse outfall via a vegetation buffer, reducing the risk of scour.	Embedded	Construction and operation	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 6 (Construction environmental management plan) Requirement 11 (Operational surface water drainage strategy)	ES Chapter 10 Section 10.6

Ref.	Mitigation Measure	Embedded and / or Additional Mitigation	Development Phase	Securing Mechanism	Source
WE10	Pollution control – use of good practice construction measures and site protection measures to minimise risk of oils, cements, sediments and other polluting substances entering drainage systems or local watercourses.	Embedded	Construction	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 6 (Construction environmental management plan)	ES Chapter 10 Section 10.6
WE11	Works within Aldington Flood Storage Area (AFSA) – a minimum 8m buffer will be provided from the toe of the AFSA embankment. No new physical infrastructure is proposed in this area other than an approximately 40m section of the internal haulage road associated with Work No. 7 during the construction and decommissioning phases.	Embedded	Construction, operation and decommissioning	Works Plans (Doc Ref. 2.3) Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 4 (Detailed Design Approval)	ES Chapter 10 Section 10.7
WE12	Buffers from rivers, watercourses, drains and ponds – a minimum 10m landscape buffer will be provided from the East Stour River and IDB-managed Ordinary Watercourses. A minimum 3.2m buffer will be provided from all drains, channels and existing ponds. No permanent infrastructure other than essential works such as cable crossings, watercourse crossings and drainage will be developed in the buffer area.	Embedded	Construction, operation and decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 4 (Detailed Design Approval) Works Plans (Doc Ref. 2.3)	ES Chapter 10 Section 10.7
WE13	Project Substation – the development platform level of the Project Substation will be no greater than 56m above ordnance datum (AOD) and no lower than 55m AOD.	Embedded	Construction, operation	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 4 (Detailed Design Approval)	ES Chapter 10 Section 10.6
WE14	Surface Water - SuDS required for hydraulic control of stormwater are sited above 53m AOD. Surface water drainage will be installed to ensure that the Project has negligible impact on surface water flood risk.	Embedded	Construction, operation	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 11 (Operational surface water drainage strategy)	ES Chapter 10 Section 10.6
WE15	Siting and orientation of PV panels - PV Panels are mainly located within Flood Zone 1 and areas at low risk of surface water flooding with the minimum height of the lowest part of the PV Panels to be 0.8m above ground level. PV panels are only proposed in locations where flood depths are below 0.8m and will therefore always be raised above the design flood level in each Field.	Embedded	Operation	Works Plans (Doc Ref. 2.3) Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 4 (Detailed Design Approval)	ES Chapter 10 Section 10.7

Table 5: Land contamination

Ref.	Mitigation Measure	Embedded and / or Additional Mitigation	Development Phase	Securing Mechanism	Source
LC1	Pollution prevention (human health) – good practice construction measures and maintenance measures are secured by the Outline CEMP, Outline OMP and Outline DEMP to manage health, safety and welfare during construction, operation and decommissioning of the Project.	Embedded	Construction, operation, decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 6 (Construction environmental management plan) Requirement 12 (Operational management plan) Requirement 14 (Decommissioning and site restoration)	ES Chapter 11 Section 11.7
LC2	Pollution prevention (controlled waters and ecosystem) – the Outline CEMP and Outline DEMP detail mitigation measures based on best industry practice to minimise risk to groundwater aquifers, prevention of spillages and to establish spill procedure during construction and decommissioning. The Outline OMP details Outline OSWDS establishes principles for the maintenance and operation of the Project Substation including measures to avoid and minimise the risk of pollution to the ground and water during its operation.. The Outline OSWDS sets out the management of surface water and drainage during the operational phase of Project through a maintenance programme including the management of firewater.	Embedded	Construction, operation, decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 6 (Construction environmental management plan) Requirement 11 (Operational surface water drainage strategy) Requirement 12 (Operational management plan) Requirement 14 (Decommissioning and site restoration)	ES Chapter 11 Section 11.7
LC3	Earthworks watching brief – the Outline CEMP and the Outline DEMP contain a commitment to undertake all earthworks under a watching brief to confirm the absence of potential sources of contamination.	Embedded	Construction, decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 6 (Construction environmental management plan) Requirement 14 (Decommissioning and site restoration)	ES Chapter 11 Section 11.7

Table 6: Socio-economics

Ref.	Mitigation Measure	Embedded and / or Additional Mitigation	Development Phase	Securing Mechanism	Source
SE1	Effects on Rights of Way (construction and decommissioning) – construction measures will ensure the management of PRow within the Order limits during the construction and decommissioning phases including measures for user safety, the imposition of speed limits for vehicles crossing PRow and signage for PRow users. Similar measures apply for the decommissioning phase, secured by the Outline DEMP and Outline DTMP.	Embedded	Construction, decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 6 (Construction environmental management plan) Requirement 7 (Construction traffic management plan) Requirement 14 (Decommissioning and site restoration)	ES Chapter 12 Section 12.6
SE2	Effects on Rights of Way (disruption) - the undertaker is to adhere to a number of principles to minimise physical disruption and the need for temporary path closures and diversions during the construction and decommissioning phases.	Embedded	Construction, decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 10 (Public rights of way)	ES Chapter 12, Section 12.6
SE3	Effects on Rights of Way (landscaping) – the Outline LEMP provides for vegetation planting, establishment and management measures to mitigate impacts on PRow.	Embedded	Construction, operation and decommissioning	Draft Development Order (Doc Ref. 3.1) Schedule 2 Requirement 8 (Landscape and biodiversity)	ES Chapter 12, Section 12.6
SE4	Community, recreational facilities and tourism (construction and decommissioning) – the Outline CEMP controls construction measures and provides for best practice construction measures insofar as to mitigate construction impacts on the local community. The Outline CTMP secures measures such as signage to ensure the safety of recreational users of the Site. Similar measures apply for the decommissioning phase, secured by the Outline DEMP and Outline DTMP.	Embedded	Construction, decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 6 (Construction environmental management plan) Requirement 7 (Construction traffic management plan) Requirement 14 (Decommissioning and site restoration)	ES Chapter 12, Section 12.6
SE5	Community, recreational facilities and tourism (continuation of use) - the Outline RoWAS provides measures for the continued use of the PRow within the Site as far as practicable during the construction and decommissioning phases. The Outline LEMP secures the Applicant's approach to landscaping to ensure that the Site can continue to be used for recreation.	Embedded	Construction, decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 10 (Public rights of way) Requirement 8 (Landscape and biodiversity)	ES Chapter 12, Section 12.6
SE6	Amenity and human health – best practice construction measures will be implemented to avoid adverse impact on amenity and human health. The Outline CEMP provides control measures for aspects such as noise, air quality and	Embedded	Construction, decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2,	ES Chapter 12, Section 12.6

Ref.	Mitigation Measure	Embedded and / or Additional Mitigation	Development Phase	Securing Mechanism	Source
	dust; the Outline CTMP provides measures to control traffic movements to the Site and to mitigate any construction traffic impacts. Similar measures apply for the decommissioning phase, secured by the Outline DEMP and Outline DTMP.			Requirement 6 (Construction environmental management plan) Requirement 7 (Construction traffic management plan)	
SE7	Community, recreational facilities and tourism – the site will be managed to ensure that operational activities do not impact on the use of the Site for recreation, and to ensure operational activities do not impact on the community.	Embedded	Operation	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 12 (Operational management plan)	ES Chapter 12, Section 12.7
SE8	Diverted/replacement PRowS (design) – design parameters have been set for diverted/replacement PRowS that include a framework for developing their detailed design and implementation, alongside commitments to ongoing engagement, monitoring, management and maintenance of these routes during the operational phase.	Embedded	Operation	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 10 (Public rights of way)	ES Chapter 12, Section 12.6
SE9	Diverted/replacement PRowS (management) – the Applicant will adhere to a number of principles relating to the implementation, maintenance and management of existing, new and diverted access during the operational phase.	Embedded	Operation	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 10 (Public rights of way)	ES Chapter 12 Section 12.7

Table 7: Traffic and Access

Ref.	Mitigation Measure	Embedded and / or Additional Mitigation	Development Phase	Securing Mechanism	Source
TRA1	Vehicle routing – construction and decommissioning vehicles are to exit the M20, travel south east along the A20 Hythe Road and then turn right onto C609 Station Road, continuing south and entering the Site at Field 25 via C609 Station Road south of the railway bridge, minimising use of local roads. Traffic leaving the Site will travel in the reverse direction. No HGVs will pass through the centre of Aldington village on Roman Road.	Embedded	Construction, decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 7 (Construction traffic management plan) Requirement 14 (Decommissioning and site restoration)	ES Chapter 13 Section 13.6
TRA2	Internal haulage road – construction and decommissioning traffic will use the internal haulage road to transport materials across the Site, allowing construction traffic to bypass the local road network, with the only exception being the use of Goldwell Lane to access the South Eastern area.	Embedded	Construction, decommissioning	Works Plans (Doc Ref. 2.3) Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 7 (Construction traffic management plan) Requirement 14 (Decommissioning and site restoration)	ES Chapter Section 13.6
TRA3	Use of single access – the main primary site access will be taken directly from Station Road into Field 25. This limits the number of conflict points where road users have to give way to construction / decommissioning vehicles on the public highway network.	Embedded	Construction, decommissioning	Works Plans (Doc Ref. 2.3)	ES Chapter 13 Section 13.6
TRA4	Temporary signage and traffic signals – highway safety management measures such as temporary traffic lights or ‘stop/go’ boards will be used to direct and control the flow of construction traffic where it exits the Site or crosses the public highway.	Embedded	Construction, decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 7 (Construction traffic management plan) Requirement 14 (Decommissioning and site restoration)	ES Chapter 13 Section 13.6
TRA5	Vegetation removal – vegetation on the highway verge inside of the bend opposite the primary site access will be cut back to ensure adequate visibility.	Embedded	Construction, decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 4 (Detailed Design Approval)	ES Chapter 13 Section 13.6
TRA6	Temporary bank to bank crossings – temporary bank to bank crossings are proposed to enable vehicle access, which avoids construction work within watercourses and drains.	Embedded	Construction, operation and decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 4 (Detailed Design Approval)	ES Chapter 13 Section 13.6

Ref.	Mitigation Measure	Embedded and / or Additional Mitigation	Development Phase	Securing Mechanism	Source
TRA7	PRoW and non-motorised user safety – safety management measures including temporary signage, temporary speed limits, escort vehicles or vehicle marshalls/lookouts and a PRoW buffer zone will ensure the safety of PRoW and non-motorised users.	Embedded	Construction, decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 7 (Construction traffic management plan) Requirement 14 (Decommissioning and site restoration)	ES Chapter 13 Section 13.6
TRA8	Condition survey – conditions surveys will be undertaken prior to commencement and at set intervals during the construction and decommissioning period to ensure maintenance of the traffic routes.	Embedded	Construction, decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 7 (Construction traffic management plan) Draft DCO Schedule 2, Requirement 14 (Decommissioning and site restoration)	ES Chapter 13 Section 13.6
TRA9	Construction and decommissioning measures – best practice mitigation measures including delivery management, minimisation of excavation and movement across the Site, wheel washing facilities, road sweeping and engagement with local residents, businesses and schools.	Embedded	Construction, decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 7 (Construction traffic management plan) Schedule 2, Requirement 14 (Decommissioning and site restoration)	ES Chapter 13, Section 13.6
TRA10	PRoW Improvements – provision of new wider paths and better quality routes than the existing to offset any increase in walking distance.	Embedded	Operation	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 10 (Public rights of way)	ES Chapter 13, Section 13.6
TRA11	Monitoring – monitoring of collisions, adherence to agreed routing strategy and of road safety will be undertaken during the construction phase and will be reviewed to inform and adjust traffic management measures where necessary.	Additional	Construction, decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 7 (Construction traffic management plan) Requirement 14 (Decommissioning and site restoration)	ES Chapter 13, Section 13.8

Table 8: Noise

Ref.	Mitigation Measure	Embedded and / or Additional Mitigation	Development Phase	Securing Mechanism	Source
N1	Vehicle routing – the route to Site has been selected to minimise the distance from the M20 motorway to the Site, whilst avoiding impacts on human and ecological receptors.	Embedded	Construction, Decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 7 (Construction traffic management plan) Requirement 14 (Decommissioning and site restoration)	ES Chapter 14 Section 14.6
N2	Construction compound locations – the two primary construction compounds are located in Fields 25 and 26 to limit the distance delivery vehicles will need to travel after exiting the A20 Hythe Road. No HGVs will pass through the centre of Aldington village on Roman Road.	Embedded	Construction, decommissioning	Works Plans (Doc Ref. 2.3) Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 7 (Construction traffic management plan) Requirement 14 (Decommissioning and site restoration)	ES Chapter 14 Section 14.6
N3	Internal haulage road – the internal haulage road has been sited away from noise sensitive receptors as far as practicable.	Embedded	Construction, decommissioning	Works Plans (Doc Ref. 2.3)	ES Chapter 14 Section 14.6
N4	Site access and HGV management – traffic routing, timing and access points will be managed to minimise noise impacts at existing receptors. Three of the four secondary construction compounds will be located on or adjacent to the internal haulage road which will connect to the primary construction compounds, thereby limiting construction traffic on local roads to crossing points.	Embedded	Construction, decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 7 (Construction traffic management plan) Requirement 14 (Decommissioning and site restoration)	ES Chapter 14 Section 14.6
N5	Construction and decommissioning traffic noise – consideration has been given to construction traffic timing and access to minimise noise impacts at existing receptors and will be managed as detailed construction working methods are developed.	Embedded	Construction, decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 7 (Construction traffic management plan) Requirement 14 (Decommissioning and site restoration)	ES Chapter 14 Section 14.6

Ref.	Mitigation Measure	Embedded and / or Additional Mitigation	Development Phase	Securing Mechanism	Source
N6	Construction noise – a number of pre-construction and decommissioning measures, noise and vibration controls, construction strategies, operations management/guidelines and monitoring and compliance are proposed to control construction noise.	Embedded	Construction, decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 6 (Construction environmental management plan) Requirement 14 (Decommissioning and site restoration)	ES Chapter 14 Section 14.6.
N7	Project Substation siting – the Project Substation is located in the north of the Site adjacent to other noise generating activities (HS1 and the M20).	Embedded	Operation	Works Plans (Doc Ref. 2.3)	ES Chapter 14 Section 14.6
N8	Inverter Station and BESS Unit siting – Inverter Stations and BESS Units have been distributed throughout the Site with a minimum 150m buffer to minimise effects on noise sensitive receptors.	Embedded	Operation	Works Plans (Doc Ref. 2.3)	ES Chapter 14 Section 14.6
N9	Operational design measures – plant design will include appropriate noise mitigation equipment. Acoustic barriers are to be provided around all Inverter Station locations.	Embedded	Operation	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2 Requirement 4 (Detailed Design Approval)	ES Chapter Section 14.6
N10	Detailed design – prior to the operation of Work No. 2 or Work No. 3 details of plant specification, noise mitigation measures and monitoring procedures are required to be submitted to Ashford Borough Council for approval to demonstrate that the Project is not likely to result in any materially new or materially different noise effects from those assessed in the environmental statement.	Additional	Operation	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 13 (Operational noise mitigation and monitoring scheme)	ES Chapter 14 para 14.8.8

Table 9: Climate Change

Ref.	Mitigation Measure	Embedded and / or Additional Mitigation	Development Phase	Securing Mechanism	Source
CC1	GHG emissions (construction) – an Outline CEMP and an Outline CTMP will be submitted to codify the best practice working measures to reduce environmental impacts, minimise the number of vehicle movements and subsequent emissions. The Outline CTMP will provide for measures to consolidate the delivery of materials on-site as well as promote the most sustainable methods of construction worker transport.	Embedded	Construction	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 6 (Construction environmental management plan) Requirement 7 (Construction traffic management plan)	ES Chapter 15 Section 15.1
CC2	GHG emissions (decommissioning) – an Outline DEMP will provide management procedures for the removal and treatment of materials on-site during decommissioning. An Outline DTMP will assist with the minimisation of traffic movements during decommissioning.	Embedded	Decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 14 (Decommissioning and site restoration)	ES Chapter 15 Section 15.3
CC3	Embodied carbon – the Project includes measures to minimise the creation of waste and include use of materials with lower embodied carbon where practicable.	Embedded	Construction, operation	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 6 (Construction environmental management plan) Requirement 12 (Operational management plan)	ES Chapter 15 Section 15.5
CC4	Climate resilience – the Project includes design measures to mitigate impacts of climate change, including scheduling of activities to avoid extreme heat, measures to address site access risks related to site access and planting to mitigate against potential loss of biodiversity.	Embedded	Construction, operation and decommissioning	Draft Development Consent Order (Doc Ref. 3.1) Schedule 2, Requirement 6 (Construction environmental management plan) Requirement 14 (Decommissioning and site restoration) Requirement 8 (Landscape and biodiversity)	ES Chapter 15 Section 15.11

