Cottam Solar Project

Environmental Statement Chapter 22:
Mitigation Schedule

Prepared by: Lanpro Services
January 2023

PINS reference: EN010133
Document reference: APP/C6.2.22
APFP Regulation 5(2)(a)

Cottam
SOLAR PROJECT

Contents

Issue Sheet

Report Prepared for: Cottam Solar Project Ltd.
DCO Submission

Environmental Statement Chapter 22: Mitigation Schedule

Prepared by:

Name: Aidan Van De Weyer

Title: Planner

Approved by:

Name: Ian Douglass

Title: Director of Planning

Date: January 2023

Revision: [01]

22 Mitigation Schedule

22.1 Summary and Introduction

22.1.1 The Environmental Statement (ES) has been prepared on behalf of the Applicant in relation to an application to be made to the Secretary of State (SoS) for Department for Business, Energy & Industrial Strategy (BEIS), under Section 37 of the Planning Act 2008.

22.1.2 The Application is for a Development Consent Order (DCO) for the construction, operation and maintenance, and decommissioning of Cottam Solar Project. The Development is classified as a Nationally Significant Infrastructure Project (NSIP) under the Planning Act 2008. An Environmental Impact Assessment (EIA) has been undertaken for the Development and as such The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (the EIA Regulations) apply.

22.1.3 This Mitigation Schedule forms part of the application to PINS for a DCO for the Scheme. Its purpose is to summarise the mitigation measures identified within the ES **[EN010133/APP/C6.1 – C6.5]**.

22.2 Mitigation Measures

22.2.1 The Mitigation Schedule includes all mitigation to which the Applicant is committed in the ES, including both embedded mitigation measures (i.e. those which are inherently part of the design or form part of the application) and additional mitigation. It also includes all mitigation, whether to mitigate significant effects or not-significant effects. The mitigation measures are set out in **Table 22.1**.

22.2.2 The Applicant will ultimately be responsible for ensuring that all mitigation measures are implemented and all DCO requirements are complied with. Where it is proposed that the mitigation measure will be delivered by the appointed contractor or operator for the Scheme, this is specified in Table 22.1.

22.3 Monitoring

22.3.1 Monitoring is not included in this summary unless mitigation actions rely on the findings of such monitoring. Monitoring is proposed in respect of certain aspects of the Scheme and any monitoring will be undertaken in accordance with the monitoring provisions of various construction and operational management plans to be approved by the relevant planning authorities pursuant to the Requirements of the draft DCO.

22.4 Securing The Measures

22.4.1 The Mitigation Schedule includes cross references to the draft DCO, identifying where the mitigation measure is secured by Requirement.

Shared Low Carbon and Island Green Power (IGP) Mitigation

22.4.2 Given the proximity of the Scheme with West Burton and Gate Burton Solar Projects, the Applicant, West Burton Solar Project Limited and Gate Burton Energy Park

Limited have worked in partnership to identify areas where all projects can collaborate to manage and minimise environmental effects. A key example of this approach is the commitment to a Shared Cable Route Corridor. Other proposed commitments to joint mitigation are identified below:

- Cultural Heritage: within the Shared Cable Route Corridor, a joint approach to archaeological mitigation. This will streamline the mitigation and achieve a consistent approach within the shared area.
- Water Environment: joint consultation with the Environment Agency and Trent Valley Internal Drainage Board for the purpose of pre-construction permits and consents should these be required;
- Noise and Vibration and Air Quality: co-ordinated monitoring, and a Joint Community Liaison Group during construction of the Shared Cable Route Corridor;
- Ecology and Nature Conservation: for the purpose of the Shared Cable Route Corridor, the Framework Construction Environmental Management Plan (CEMP) includes a commitment to working together where there is overlap in surveys, pre-construction mitigation and monitoring between projects; and
- Traffic and Transport: commitment to a Joint Construction Traffic Management Plan which will include mitigation such as timing of HGV movements, staff travel routes and timings, coordination of deliveries, and shared banksmen provided at access points and PRoW.

Table 22.1: Mitigation Schedule

ES Chapter [Doc. Ref]	Phase of Development	Mitigation Measure	Embedded and/or Additional Mitigation	Where Secured / Requirement No. (Where a draft or outline plan has been submitted with the Application, the reference for the document is provided)	Responsibility (e.g. Applicant, Contractor)
Climate Change **[EN010133/APP/C6.2.7]**	Construction and Decommissioning	Increasing recyclability by segregating construction waste to be re-used and recycled where reasonably practicable; Adopting the Considerate Constructors Scheme (CCS) to assist in reducing pollution, including GHGs, from the Scheme by employing good industry practice measures; Designing, constructing and implementing 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 where feasible; Reusing suitable infrastructure and resources already available within the Sites where possible to minimise the use of natural resources and unnecessary materials (e.g. reusing excavated soil for fill requirements); 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 construction staff, and providing appropriate facilities for the safe storage of cycles; Liaising with construction personnel for the potential to implement staff minibuses and car sharing options;	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]** 15: Construction Traffic Management Plan **[EN010133/APP/C6.3.14.2]** 21: Decommissioning Plan **[EN010133/APP/C7.2]**	Contractor

		Implementing a Travel Plan to reduce the volume of construction staff and employee trips to the Scheme; Switching vehicles and plant off when not in use and ensuring construction vehicles conform to current EU emissions standards; Access to the Site during construction (and operation) will be taken from permeable and existing farm tracks accessed from the local highway network. This limits the potential for increased surface water runoff rates and sedimentation effects during construction; and Conducting regular planned maintenance of the construction plant and machinery to optimise efficiency.			
Climate Change **[EN010133/APP/C6.2.7]**	Construction and Decommissioning	Health and safety plans and risk assessments developed for construction and decommissioning activities will be required to account for potential climate change impacts on workers, such as flooding and heatwaves.	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]** 21: Decommissioning Plan **[EN010133/APP/C7.2]**	Contractor
Climate Change **[EN010133/APP/C6.2.7]**	Operation	Regular planned maintenance of the Scheme will also be conducted during operation to optimise efficiency.	Embedded	14: Operational Environmental Management Plan **[EN010133/APP//C7.16]**	Applicant / Operator
Climate Change **[EN010133/APP/C6.2.7]**	Operation	Non-flood sensitive infrastructure forming the wider development (PV arrays and cabling) have been sequentially located outside the 1 in 100 plus climate change annual probability extent (1% +CC) or where this is not possible restricted to areas which experience less than 1 m depth of flooding during the same event. Depending on the final type of panel chosen, during a flood event the lowest point of the panels will be at least 0.6m off the ground. For areas of flooding higher panels may be considered as a mitigation strategy, and would need to be elevated 600mm above the flood level. Critical infrastructure within the Scheme (the conversion units, substations and energy storage compounds) have been	Embedded	5: Approval of detailed design.	Applicant

		sequentially located within Zone 1, an area with a "Low probability of flooding" and therefore in land assessed as having a less than 1 in 1,000 annual probability of river or sea flooding (<0.1%).			
Landscape and Visual Impact **[EN010133/APP/C6.2.8]**	Construction, Operation	Modifications to the Scheme to avoid effects including limiting the extent of land take within the Order limits; integrating the Scheme in to existing landscape patterns; retention of existing woodland/scrub and hedgerows (and allowing it to grow out); replacing vegetation lost due to construction.	Embedded Additional	5: Approval of detailed design 7: Landscape and Ecological Management Plan **[EN010133/APP/C7.3]**	Applicant
Landscape and Visual Impact **[EN010133/APP/C6.2.8]**	Operation	Providing new planting, including shelterbelts within the Site and along the site margins / boundaries (including - scattered tree and hedge planting; reinforcement of existing woodland/scrub and hedgerow cover).	Additional	7: Landscape and Ecological Management Plan **[EN010133/APP/C7.3]**	Applicant
Landscape and Visual Impact **[EN010133/APP/C6.2.8]**	Construction and Decommissioning	Tree Protection Measures. All works affecting trees will be undertaken in accordance with best practice tree protection measures.	Embedded Additional	7: Landscape and Ecological Management Plan **[EN010133/APP/C7.3]** 13: Construction Environmental Management Plan **[EN010133/APP/C7.1]**	Applicant
Landscape and Visual Impact **[EN010133/APP/C6.2.8]**	Operation	Colour pallet of the solar panels	Embedded	5: Approval of detailed design	Applicant
Landscape and Visual Impact **[EN010133/APP/C6.2.8]**	Operation	Solar panels set back from the Site boundary	Embedded	5: Approval of detailed design	Applicant
Landscape and Visual Impact **[EN010133/APP/C6.2.8]**	Construction, Operation, Decommissioning	Limits to location, type and power of lighting. Standard good practice measures will be followed with regards to lighting during construction, operation and decommissioning. Motion detection lighting will be utilised; down lighting will be provided to prevent light spill beyond the Order limits.	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]** 14: Operational Environmental Management Plan **[EN010133/APP//C7.16]**	Applicant, Contractor, Operator

				21: Decommissioning Statement **[EN010133/APP/C7.2]**	
Landscape and Visual Impact **[EN010133/APP/C6.2.8]**	Construction, Operation	Residential Receptors: R33: The Cottage — native shelter belt/woodland planting to N and E; native hedge with irregularly spaced hedgerow trees to W; an area of flower rich pollinator mix grassland and native hedge with irregularly spaced hedgerow trees to S R36: Corringham Grange — an area of grassland and native hedge with irregularly spaced hedgerow trees to S and W; and native hedge with irregularly spaced hedgerow trees to N R61: Greystones Farm — an area of grassland and a native hedge with irregularly spaced hedgerow trees to S and E R62: Turpin Farm — an area of grassland and native shelter belt/woodland planting to N; native shelter belt/woodland planting to S and W; an area of grassland and a native hedge with irregularly spaced hedgerow trees to E R63a: North Farm — area of grassland with native shelter belt/woodland planting to N; reinforcement of existing hedgerows with regularly spaced trees and native shelter belt/woodland planting along the watercourse to the north of Larch Plantation to S; scattered tree planting to E; field of bird mitigation and a proposed	Additional	7: Landscape and Ecological Management Plan **[EN010133/APP/C7.3]**	Applicant, Contractor, Operator

			native hedge with irregularly spaced hedgerow trees to W			
		R63b: Side Farm	new native hedgerows with irregularly spaced hedgerow trees to S; native shelter belt/woodland planting along the watercourse to the north of Larch Plantation to E and W;			
		R67: Moor Farm	new native hedgerows with irregularly spaced hedgerow trees to S; irregularly spaced hedgerow trees along the watercourse to W			
		R73: East Farm	bird mitigation area free of panels to S; wide belt of native shrub planting to E			
Ecology and Biodiversity **[EN010133/APP/C6.2.9]**	Construction, Operation	Habitat creation, including: • 20km of newly planted native hedgerow with irregularly spaced native trees. • 4.2ha of native scattered trees. • 6ha of native shelter belt/woodland. • 800ha of new seeded, diverse grassland within PV arrays. • 94ha of tussocky grassland at field margins. • 80ha of flower-rich pollinator seeding at field margins and easements. • 39ha of tall herb-rich grassland habitat at field margins.		Additional	7: Landscape and Ecological Management Plan **[EN010133/APP/C7.3]**	Applicant, Contractor, Operator
Ecology and Biodiversity **[EN010133/APP/C6.2.9]**	Construction	Restrictions to and oversight of construction activities. Measures within Outline Ecological Protection and Mitigation Strategy **[EN010133/APP/C7.19]**		Embedded	8. Outline Ecological Protection and Mitigation Strategy **[EN010133/APP/C7.19]**	Contractor
Ecology and Biodiversity **[EN010133/APP/C6.2.9]**	Construction	Construction access routing restrictions		Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]**	Contractor

Ecology and Biodiversity **[EN010133/APP/C6.2.9]**	Construction	Cable route corridor design – avoidance of ecological features	Embedded	5: Approval of detailed design	Contractor
Ecology and Biodiversity **[EN010133/APP/C6.2.9]**	Construction	Buffers between boundaries and installations (identified within Schedule of Protective Ecological Buffers **[EN010133/APP/APP/C6.3.9.11]**)	Embedded	7: Landscape and Ecological Management Plan **[EN010133/APP/C7.3]**	Applicant, Contractor
Ecology and Biodiversity **[EN010133/APP/C6.2.9]**	Operation	Habitat management within buffers	Additional	7: Landscape and Ecological Management Plan **[EN010133/APP/C7.3]**	Operator
Ecology and Biodiversity **[EN010133/APP/C6.2.9]**	Construction	Standoff of at least 3m between the perimeter security fencing and array structure	Embedded	5: Approval of detailed design 10. Approval of fencing and other means of enclosure	Contractor
Ecology and Biodiversity **[EN010133/APP/C6.2.9]**	Operation	Management of habitats under operational arrays by grazing or cutting	Embedded	7: Landscape and Ecological Management Plan **[EN010133/APP/C7.3]**	Operator
Ecology and Biodiversity **[EN010133/APP/C6.2.9]**	Construction	Restrictions on construction phase lighting	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]**	Contractor
Ecology and Biodiversity **[EN010133/APP/C6.2.9]**	Operation	Operational lighting only for maintenance activities during the hours of darkness and only associated with substation structures and the BESS	Embedded	14: Operational Environmental Management Plan **[EN010133/APP/C7.16]**	Operator
Ecology and Biodiversity **[EN010133/APP/C6.2.9]**	Operation	Bird Mitigation Habitat. Creation of bird habitat for turtle dove, lapwing, skylark and yellow wagtail.	Additional	7: Landscape and Ecological Management Plan **[EN010133/APP/C7.3]**	Operator

Hydrology, Flood Risk and Drainage **[EN010133/APP/C6.2.10]**	Operation	Measures in Scheme Design. - For both fixed and tracker panels all sensitive and electrical equipment on the solar panel will be elevated by the mounting structures so that it is no less than 0.6 m above the surrounding peak flood level. - 8m easements have been established around all watercourses, including Main Rivers and Ordinary Watercourses and 9m from IDB asset	Embedded	5: Approval of detailed design	Applicant / Operator
Hydrology, Flood Risk and Drainage **[EN010133/APP/C6.2.10]**	Construction and Decommissioning	Separation of construction / decommissioning groundworks from drainage ditches has been maximised	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]** 21: Decommissioning Plan **[EN010133/APP/C7.2]**	Operator / Contractor
Hydrology, Flood Risk and Drainage **[EN010133/APP/C6.2.10]**	Construction	Watercourse crossings. Cables will be installed using underground techniques such as Horizontal Directional Drilling (HDD) in accordance with the Concept Design Parameters and Principles **[EN010133/APP/C7.3].**	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]**	Contractor
Hydrology, Flood Risk and Drainage **[EN010133/APP/C6.2.10]**	Construction, Operation and Decommissioning	Good Practice Measures for Water Environment and Flood Risk. Relevant Good Practice Guidance (GPP's) will be followed. Water management measures to control surface water run-off and drain hardstanding and other structures during the construction, operation and decommissioning of the Scheme. This will form part of a Pollution Prevention Plan (PPP) to be implemented for the Scheme.	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]** 14: Operational Environmental Management Plan **[EN010133/APP//C7.16]** 21: Decommissioning Plan **[EN010133/APP/C7.2]**	Operator / Contractor

Hydrology, Flood Risk and Drainage **[EN010133/APP/C6.2.10]**	Construction, Operation and Decommissioning	Access to the site during construction, operation and decommissioning will be taken from permeable and existing farm tracks accessed from the local highway network. This limits the potential for increased surface water runoff rates and sedimentation effects during construction / decommissioning.	Embedded	15: Construction Traffic Management Plan **[EN010133/APP/C6.3.14.2]**	Operator / Contractor
Hydrology, Flood Risk and Drainage **[EN010133/APP/C6.2.10]**	Construction and Operation	Scheme design ensures that the flood resilient measures incorporated in the Scheme can be inspected and maintained by the operator to ensure their functionality throughout the lifetime of the Scheme.	Embedded	14: Operational Environmental Management Plan **[EN010133/APP//C7.16]**	Operator / Contractor
Hydrology, Flood Risk and Drainage **[EN010133/APP/C6.2.10]**	Operation	Permeable surfacing (Type 2 aggregate) for the Site access, ensuring that surface water is retained where it falls and is allowed to infiltrate to subsoils as per the existing situation.	Embedded	5: Approval of detailed design 11: In accordance with outline drainage strategy (ES Appendix 10.1: Flood Risk Assessment and Drainage Strategy **[EN010133/APP/C6.3.10.1];** and associated Annexes **[EN010133/APP/C6.3.10.2 – 10.8]**).	Operator / Contractor
Hydrology, Flood Risk and Drainage **[EN010133/APP/C6.2.10]**	Operation	Installation of linear infiltration trenches around Critical infrastructure (the substations and battery storage compounds) and all hardstanding such as concrete bases. Infiltration trenches will ensure that any surface water generated by hardstanding is retained adjacent to the infrastructure, allowing it to infiltrate to subsoils as per the existing situation.	Embedded	5: Approval of detailed design 11: In accordance with outline drainage strategy (ES Appendix 10.1: Flood Risk Assessment and Drainage Strategy **[EN010133/APP/C6.3.10.1];** and associated Annexes **[EN010133/APP/C6.3.10.2 – 10.8]**).	Operator / Contractor
Hydrology, Flood Risk and Drainage **[EN010133/APP/C6.2.10]**	Operation	Storage of Materials. Good industry practice will be incorporated for the safe storage of materials.	Embedded	14: Operational Environmental Management Plan **[EN010133/APP//C7.16]**	Operator / Contractor
Hydrology, Flood Risk and Drainage **[EN010133/APP/C6.2.10]**	Operation	Implementation of improved grassland seeding at the leeward edge of all panels to ensure underlying ground cover is strengthened to reduce surface water runoff from the panels.	Embedded	7: Landscape and Ecological Management Plan **[EN010133/APP/C7.3]** 11: In accordance with outline drainage strategy (ES Appendix 10.1:	Operator / Contractor

				Flood Risk Assessment and Drainage Strategy **[EN010133/APP/C6.3.10.1];** and associated Annexes **[EN010133/APP/C6.3.10.2 – 10.8]**).	
Hydrology, Flood Risk and Drainage **[EN010133/APP/C6.2.10]**	Construction and Operation	Surface water runoff from the battery storage area will be contained by local bunding and attenuated within gravel subgrade of lined permeable SuDS features prior to being passed forward to the local land drainage network. In the event of a fire a system of automatically self-actuating valves at the outfalls from the battery storage areas will be closed, isolating the battery storage areas drainage from the wider environment.	Embedded	11: In accordance with outline drainage strategy (ES Appendix 10.1: Flood Risk Assessment and Drainage Strategy **[EN010133/APP/C6.3.10.1];** and associated Annexes **[EN010133/APP/C6.3.10.2 – 10.8]**). 6. Battery Storage Safety Management Plan **[EN010133/APP/C7.9]**	Operator / Contractor
Hydrology, Flood Risk and Drainage **[EN010133/APP/C6.2.10]**	Construction and Decommissioning	Where necessary a temporary drainage network will be installed prior to the commencement of construction and decommissioning operations.	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]**	Operator / Contractor
Ground Conditions and Contamination **[EN010133/APP/C6.2.11]**	Construction, Decommissioning	Site workers will be made aware of the possibility of encountering localised contamination through toolbox talks and good standards of personal hygiene, including welfare facilities on-site and the use of appropriate levels of personal protective equipment (PPE), will be enforced.	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]** 21: Decommissioning Plan **[EN010133/APP/C7.2]**	Operator / Contractor
Ground Conditions and Contamination **[EN010133/APP/C6.2.11]**	Construction, Operation and Decommissioning	Site workers will adhere to health, safety and environmental precautions such as appropriate PPE, provision of suitable welfare facilities and traffic management plans in order to reduce the potential for any accidents and incidents.	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]** 14: Operational Environmental Management Plan **[EN010133/APP//C7.16]** 21: Decommissioning Plan **[EN010133/APP/C7.2]**	Contractor and Operator

Ground Conditions and Contamination **[EN010133/APP/C6.2.11]**	Construction	Watching brief from an environmental consultant may be required in the area of Cottam Power Station.	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]**	Contractor and Environmental Consultant
Ground Conditions and Contamination **[EN010133/APP/C6.2.11]**	Construction	Discovery Strategy protocol will be drawn up to ensure that any contamination identified during construction is assessed by a specialist in land contamination.	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]**	Contractor
Ground Conditions and Contamination **[EN010133/APP/C6.2.11]**	Construction and Operation	Bulk fuels and any chemicals used on the Site will be stored appropriately, within an impervious bund of 110% of the volume of the container to reduce the potential for any contamination source in the event of a container failure / leak of battery fire and associated fire waters.	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]** 14: Operational Environmental Management Plan **[EN010133/APP//C7.16]**	Contractor and Operator
Ground Conditions and Contamination **[EN010133/APP/C6.2.11]**	Operation	Implementation of further measures included within the Battery Safety Management Plan to control pollution.	Embedded	6: Battery Storage Safety Management Plan **[EN010133/APP/C7.9]**	Contractor and Operator
Minerals **[EN010133/APP/C6.2.12]**	Construction	Cable Route Corridor has been designed so that wherever possible cable routes follow existing infrastructure corridors or alternatively follow the edge of significant landscape features rather than directly crossing open fields	Embedded	5: Approval of detailed design	Contractor
Minerals **[EN010133/APP/C6.2.12]**	Decommissioning	Decommissioning and removal of plant and structures to restore the baseline condition for the identified mineral resources. Where infrastructure is left in the ground such as cable ducts after decommissioning these do not present any significant constraint to future mineral extraction.	Embedded	21: Decommissioning Statement **[EN010133/APP/C7.2]**	Contractor

Cultural Heritage **[EN010133/APP/C6.2.13]**	Construction	Archaeological Watching Brief	Embedded	12: Archaeological Written Scheme of Investigation (WSI) **[EN010133/APP/C6.3.13.7]**	Applicant
Cultural Heritage **[EN010133/APP/C6.2.13]**	Construction	Targeted 'strip, map and record' excavation where appropriate	Embedded	12: Archaeological Written Scheme of Investigation (WSI) **[EN010133/APP/C6.3.13.7]**	Applicant
Cultural Heritage **[EN010133/APP/C6.2.13]**	Construction	Archaeological evaluation trenching within the Shared Cable Corridor where appropriate	Embedded	12: Archaeological Written Scheme of Investigation (WSI) **[EN010133/APP/C6.3.13.7]**	Applicant
Cultural Heritage **[EN010133/APP/C6.2.13]**	Operation	The Scheme has been designed to remove some archaeologically sensitive areas and step back from above ground heritage assets	Embedded	5: Approval of detailed design	Applicant
Cultural Heritage **[EN010133/APP/C6.2.13]**	Construction	Use of concrete feet for the panels and above ground cabling ducts in archaeologically sensitive areas	Embedded	5: Approval of detailed design 12: Archaeological Written Scheme of Investigation (WSI) **[EN010133/APP/C6.3.13.7]**	Applicant, Contractor
Cultural Heritage **[EN010133/APP/C6.2.13]**	Construction	'Informative trenching' in archaeologically sensitive areas	Embedded	12: Archaeological Written Scheme of Investigation (WSI) **[EN010133/APP/C6.3.13.7]**	Applicant
Cultural Heritage **[EN010133/APP/C6.2.13]**	Construction	Use of horizontal directional drilling (HDD) beneath areas known to contain important archaeological remains	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]**	Applicant, Contractor
Cultural Heritage **[EN010133/APP/C6.2.13]**	Construction	Temporary fencing to be erected around Scheduled Monuments	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]**	Applicant, Contractor

Cultural Heritage **[EN010133/APP/C6.2.13]**	Construction, Operation	Landscaping screening has been provided in response to the presence of above ground heritage assets	Additional	7: Landscape and Ecological Management Plan **[EN010133/APP/C7.3]**	Applicant
Transport and Access **[EN010133/APP/C6.2.14]**	Construction	Signs to direct construction vehicles associated with the development will be installed along the agreed construction traffic route. Delivery drivers, contractors and visitors will be provided with a route plan in advance of delivering to Site to ensure that vehicles follow the identified route	Embedded	15: Construction Traffic Management Plan **[EN010133/APP/C6.3.14.2]**	Contractor
Transport and Access **[EN010133/APP/C6.2.14]**	Construction	Advisory signs informing contractors and visitors that parking is not permitted on-street in the vicinity of the Site or on the Site access road	Embedded	15: Construction Traffic Management Plan **[EN010133/APP/C6.3.14.2]**	Contractor
Transport and Access **[EN010133/APP/C6.2.14]**	Construction	All signage on the designated route will be inspected twice daily by the Site Manager (once in the morning and once at lunchtime), to ensure they are kept in a well maintained condition and located in safe and appropriate locations	Embedded	15: Construction Traffic Management Plan **[EN010133/APP/C6.3.14.2]**	Contractor
Transport and Access **[EN010133/APP/C6.2.14]**	Construction	A compound area for contractors will be set up on-Site including appropriate parking spaces. Contractors and visitors will be advised that parking facilities will be provided on-Site in advance of visiting the Site and that they should not park on-street	Embedded	15: Construction Traffic Management Plan **[EN010133/APP/C6.3.14.2]**	Contractor
Transport and Access **[EN010133/APP/C6.2.14]**	Construction	A wheel wash facility will be provided ahead of exiting the Site allowing vehicles to be hosed down so that no construction vehicles will take mud or debris onto the local highway network	Embedded	15: Construction Traffic Management Plan **[EN010133/APP/C6.3.14.2]**	Contractor
Transport and Access **[EN010133/APP/C6.2.14]**	Construction	A road sweeper will be provided for surrounding local roads along the designated route to alleviate any residual debris generated during the construction phase, as required	Embedded	15: Construction Traffic Management Plan **[EN010133/APP/C6.3.14.2]**	Contractor
Transport and Access **[EN010133/APP/C6.2.14]**	Construction	The Site will be secured at all times with Heras fencing	Embedded	15: Construction Traffic Management Plan **[EN010133/APP/C6.3.14.2]**	Contractor

Transport and Access **[EN010133/APP/C6.2.14]**	Construction	A requirement for engines to be switched off on-Site when not in use	Embedded	15: Construction Traffic Management Plan **[EN010133/APP/C6.3.14.2]**	Contractor
Transport and Access **[EN010133/APP/C6.2.14]**	Construction	Spraying of areas with water supplied as and when conditions dictate to prevent the spread of dust	Embedded	15: Construction Traffic Management Plan **[EN010133/APP/C6.3.14.2]**	Contractor
Transport and Access **[EN010133/APP/C6.2.14]**	Construction	Vehicles carrying waste material off-Site to be sheeted	Embedded	15: Construction Traffic Management Plan **[EN010133/APP/C6.3.14.2]**	Contractor
Transport and Access **[EN010133/APP/C6.2.14]**	Construction	Banksmen will be provided at the Site access junctions to indicate to construction traffic when it is safe for them to enter and exit the Site	Embedded	15: Construction Traffic Management Plan **[EN010133/APP/C6.3.14.2]**	Contractor
Transport and Access **[EN010133/APP/C6.2.14]**	Construction	All residents in the vicinity of the Site along the designated route will be provided with contact details of the Site Manager, which will also be provided on a Site-board at the Site access and egress junctions	Embedded	15: Construction Traffic Management Plan **[EN010133/APP/C6.3.14.2]**	Contractor
Transport and Access **[EN010133/APP/C6.2.14]**	Construction	Agreement to a Road Condition Survey with the local highway authority	Embedded	15: Construction Traffic Management Plan **[EN010133/APP/C6.3.14.2]**	Contractor
Transport and Access **[EN010133/APP/C6.2.14]**	Construction	Works to enable abnormal load deliveries	Embedded	15: Construction Traffic Management Plan **[EN010133/APP/C6.3.14.2]**	Contractor
Transport and Access **[EN010133/APP/C6.2.14]**	Operation	Maintaining access to all existing PRoW within the Order limits, with no diversions or closures so far as is practicable to do so	Embedded	18: Public Right of Way Management Plan **[EN010133/APP/C6.3.14.3]**	Contractor

Transport and Access **[EN010133/APP/C6.2.14]**	Operation	Providing suitable points of access for operations vehicles	Embedded	5: Approval of detailed design	Contractor
Transport and Access **[EN010133/APP/C6.2.14]**	Decommissioning	The requirement for a Decommissioning Traffic Management Plan (DTMP) to be agreed with the local highway authority prior to Decommissioning will be secured through the DCO	Embedded	21: Decommissioning Plan **[EN010133/APP/C7.2]**	Contractor
Transport and Access **[EN010133/APP/C6.2.14]**	Construction, Decommissioning	Encouraging Alternative Travel arrangements and the use of a Construction Worker Travel Plan to encourage car sharing and use of minibuses to reduce trips.	Embedded	15: Construction Traffic Management Plan **[EN010133/APP/C6.3.14.2]**	Contractor
Noise and Vibration **[EN010133/APP/C6.2.15]**	Construction, Decommissioning	Unnecessary revving of engines will be avoided, and equipment will be switched off when not in use	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]** 21: Decommissioning Statement **[EN010133/APP/C7.2]**	Contractor
Noise and Vibration **[EN010133/APP/C6.2.15]**	Construction, Decommissioning	Appropriate routing of construction traffic on public roads and along access tracks	Embedded	15: Construction Traffic Management Plan **[EN010133/APP/C6.3.14.2]** 21: Decommissioning Statement **[EN010133/APP/C7.2]**	Contractor
Noise and Vibration **[EN010133/APP/C6.2.15]**	Construction, Decommissioning	Drop heights of materials will be minimised	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]** 21: Decommissioning Statement **[EN010133/APP/C7.2]**	Contractor
Noise and Vibration **[EN010133/APP/C6.2.15]**	Construction, Decommissioning	Plant and vehicles will be sequentially started up rather than all together	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]** 21: Decommissioning Statement **[EN010133/APP/C7.2]**	Contractor

Noise and Vibration **[EN010133/APP/C6.2.15]**	Construction, Decommissioning	Plant will always be used in accordance with manufacturers' instructions. Care will be taken to site equipment away from noise- sensitive areas. Where possible, loading and unloading will also be carried out away from such areas	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]** 21: Decommissioning Statement **[EN010133/APP/C7.2]**	Contractor
Noise and Vibration **[EN010133/APP/C6.2.15]**	Construction, Decommissioning	Regular and effective maintenance by trained personnel will be undertaken to keep plant and equipment working to manufacturer's specifications	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]** 21: Decommissioning Statement **[EN010133/APP/C7.2]**	Contractor
Noise and Vibration **[EN010133/APP/C6.2.15]**	Construction, Decommissioning	During noisy activities, localised screening of noise generating sources, such as temporary site hoarding should be implemented to minimise any potential impacts on nearby noise sensitive receptors	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]** 21: Decommissioning Statement **[EN010133/APP/C7.2]**	Contractor
Noise and Vibration **[EN010133/APP/C6.2.15]**	Construction, Decommissioning	Working hours onsite are likely to be carried out Monday to Friday 07:00 – 18:00 and between 08:00 and 13:30 on Saturdays	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]** 21: Decommissioning Statement **[EN010133/APP/C7.2]**	Contractor
Noise and Vibration **[EN010133/APP/C6.2.15]**	Construction, Decommissioning	A construction noise monitoring scheme will be developed and agreed with appropriate stakeholders following appointment of a principal contractor and prior to commencement of construction works through the CEMP	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]** 21: Decommissioning Statement **[EN010133/APP/C7.2]**	Contractor
Noise and Vibration **[EN010133/APP/C6.2.15]**	Construction, Decommissioning	Consideration will also be given to traffic routing, timing and access points to the DCO Site to minimise noise impacts at existing receptors as detailed construction working methods are developed	Embedded	15: Construction Traffic Management Plan **[EN010133/APP/C6.3.14.2]** 21: Decommissioning Statement **[EN010133/APP/C7.2]**	Contractor

Noise and Vibration **[EN010133/APP/C6.2.15]**	Construction, Decommissioning	Management of Heavy Goods Vehicles (HGV) within the DCO Site and being let onto the highway network	Embedded	15: Construction Traffic Management Plan **[EN010133/APP/C6.3.14.2]** 21: Decommissioning Statement **[EN010133/APP/C7.2]**	Contractor
Noise and Vibration **[EN010133/APP/C6.2.15]**	Construction Operation	3.0m high acoustic barriers have been included as intrinsic design within the scheme at the Cottam 1 substation / BESS. Acoustic barriers will be of a close boarded construction with a minimum mass per square metre of 10 kg/m^2 Acoustic louvres providing noise reduction of at least 10 dB are proposed at certain locations around Conversion Units at all sites.	Embedded	16: In accordance with operational noise assessment	Contractor
Glint and Glare **[EN010133/APP/C6.2.16]**	Operation	Dwelling receptors: for all dwellings where a moderate adverse impact is predicted the developer has proposed screening in the form of vegetation (and if required an additional interim measure of opaque fencing).	Embedded Additional	7: Landscape and Ecological Management Plan **[EN010133/APP/C7.3]** 10. Approval of fencing and other means of enclosure 14: Operational Environmental Management Plan **[EN010133/APP/C7.16]**	Contractor / Operator
Glint and Glare **[EN010133/APP/C6.2.16]**	Operation	Road receptors: for all sections of road where a moderate adverse or higher impact is predicted the developer has proposed screening in the form of vegetation.	Embedded Additional	7: Landscape and Ecological Management Plan **[EN010133/APP/C7.3]**	Contractor / Operator
Glint and Glare **[EN010133/APP/C6.2.16]**	Operational	Railway receptors: for all sections of railway where a moderate adverse or higher impact is predicted towards a train driver, the developer has proposed immediate screening in the form of opaque fencing or vegetation.	Embedded Additional	7: Landscape and Ecological Management Plan **[EN010133/APP/C7.3]** 10. Approval of fencing and other means of enclosure	Contractor / Operator

				14: Operational Environmental Management Plan **[EN010133/APP/C7.16]**	
Glint and Glare **[EN010133/APP/C6.2.16]**	Operational	If required, the backtracking angle of the solar panel tracking system can be changed to mitigate solar glare	Additional	14: Operational Environmental Management Plan **[EN010133/APP/C7.16]**	Contractor / Operator
Glint and Glare **[EN010133/APP/C6.2.16]**	Operational	Where Glint and Glare cannot be mitigated through panel tilt and would require instant screening, a temporary 3m high wooden solid hoarding may be required until adjacent planting has matured.	Additional	14: Operational Environmental Management Plan **[EN010133/APP/C7.16]**	Contractor / Operator
Air Quality **[EN010133/APP/C6.2.17]**	Construction and Decommissioning	Site-specific mitigation measures to control dust in accordance Institute of Air Quality Management (IAQM) guidance. Dust management plans will be out in place containing measures as set out in the Construction Dust Management Plans submitted with the application and the CEMP and DEMPs for the Scheme.	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]** 21: Decommissioning Plan **[EN010133/APP/C7.2]**	Contractor / Operator
Air Quality **[EN010133/APP/C6.2.17]**	Operational	Site-specific measures to reduce the risk of battery fire and associated air quality impacts.	Embedded	6: Battery Storage Safety Management Plan **[EN010133/APP/C7.9]**	Contractor / Operator
Air Quality **[EN010133/APP/C6.2.17]**	Construction and Decommissioning	Record kept of all dust and air quality complaints, cause(s) will be identified and appropriate measures to reduce emissions will be taken in a timely manner. A further record will be kept of the measures taken.	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]** 21: Decommissioning Plan **[EN010133/APP/C7.2]**	Contractor / Operator
Socio-Economic, Tourism and Recreation **[EN010133/APP/C6.2.18]**	Construction	Measures to be identified to manage overlapping construction activities across the Sites within the Scheme; Measures to manage overlapping construction activities across cumulative projects.	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]**	Contractor

Socio-Economic, Tourism and Recreation **[EN010133/APP/C6.2.18]**	Construction, Operation, Decommissioning	Focus on local recruitment and procurement.	Additional	20: Skills Supply Chain and Employment Plan **[EN010133/APP/C7.10]**	Contractor / Operator
Socio-Economic, Tourism and Recreation **[EN010133/APP/C6.2.18]**	Construction Operation	Options for diversified agricultural practices alongside Scheme to support agricultural employment.	Additional	20: Skills Supply Chain and Employment Plan **[EN010133/APP/C7.10]**	Contractor / Operator
Socio-Economic, Tourism and Recreation **[EN010133/APP/C6.2.18]**	Construction Operation	Reskilling opportunities for agricultural workers.	Additional	20: Skills Supply Chain and Employment Plan **[EN010133/APP/C7.10]**	Contractor / Operator
Socio-Economic, Tourism and Recreation **[EN010133/APP/C6.2.18]**	Construction	Potential location of temporary workers in temporary rental accommodation to moderate accommodation demand.	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]**	Contractor
Socio-Economic, Tourism and Recreation **[EN010133/APP/C6.2.18]**	Construction Operation Decommissioning	Support for temporary and permanent workforce to be directed to primary healthcare facilities with greatest capacity.	Embedded/ Additional	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]** 14: Operational Environmental Management Plan **[EN010133/APP/C7.16]** 21: Decommissioning Plan **[EN010133/APP/C7.2]**	Contractor / Operator
Socio-Economic, Tourism and Recreation **[EN010133/APP/C6.2.18]**	Construction Operation Decommissioning	Enhancement measures to support local education and skills uplift	Additional	20: Skills Supply Chain and Employment Plan **[EN010133/APP/C7.10]**	Contractor / Operator
Socio-Economic, Tourism and Recreation **[EN010133/APP/C6.2.18]**	Construction	Temporary closures of PRoWs if required will be supported by appropriate amount of notice and diversions where feasible – duration of closures will be minimised so far as is practicable.	Embedded	18: Public Rights of Way Management Plan **[EN010133/APP/C6.3.14.3]**	Applicant / Contractor

Soils and Agriculture **[EN010133/APP/C6.2.19]**	Operation	The design process has taken account of Best and Most Versatile Land and this has been avoided where possible to reduce the amount of this type of land being impacted.	Embedded	5: Approval of detailed design	Applicant
Soils and Agriculture **[EN010133/APP/C6.2.19]**	Construction, Operation, Decommissioning	A Soils Management Plan (SMP) will be agreed as a Requirement of the DCO. The aim of the SMP is the preservation of the soil resource at the Site.	Embedded	19. Soils Management Plan **[EN010133/APP/C7.1**	Applicant / Contractor
Waste **[EN010133/APP/C6.2.20]**	Construction	The predominant use of pre-fabrication. This allows for reduced construction waste on site, with waste produced during unit manufacturing being controlled by those companies or entities producing the solar PV units, mounting structures, energy storage / battery, temporary construction site office units and cabling	Embedded	5: Approval of detailed design 13: Construction Environmental Management Plan **[EN010133/APP/C7.1]**	Applicant
Waste **[EN010133/APP/C6.2.20]**	Construction, Decommissioning	The separation of the main waste streams on-site, prior to transport to approved, licensed third party waste facilities, including WEEE reprocessors, for recycling or disposal	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]** 21: Decommissioning Plan **[EN010133/APP/C7.2]**	Contractor
Waste **[EN010133/APP/C6.2.20]**	Construction, Decommissioning	The provision of pre-fabricated welfare units and construction site offices also allows for the reduction of construction and demolition waste generated by the Scheme	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]** 14: Decommissioning Plan **[EN010133/APP/C7.2]**	Applicant / Contractor
Waste **[EN010133/APP/C6.2.20]**	Operation	Management of Operational Waste. The amount and type of operational waste will be recorded and transported offsite using licensed carriers, including WEEE reprocessors, in accordance with the relevant regulations.	Embedded	14 Operational Environmental Management Plan **[EN010133/APP/C7.16]**	Operator
Waste **[EN010133/APP/C6.2.20]**	Decommissioning	Re-use and recycling of infrastructure. Infrastructure such as PV panels and BESS will be recycled as far as is practicable. It is expected that a Decommissioning Resource Management Plan	Embedded	21: Decommissioning Plan **[EN010133/APP/C7.2]**.	Contractor

		will be required as set out in the Outline Decommissioning Statement supporting the application **[EN010133/APP/C7.2]**.			
Other Environmental Matters – Human Health **[EN010133/APP/C6.2.21]**	Construction, Operation, Decommissioning	Mitigation measures are embedded within the Scheme as set out in the topic chapters to reduce effects (such as noise, air quality, landscape) and as such will mitigate effects on the local community and existing facilities from a human health perspective.	Embedded	5: Approval of detailed design 6: Battery Storage Safety Management Plan **[EN010133/APP/C7.9]** 13: Construction Environmental Management Plan **[EN010133/APP/C7.1]** 14: Operational Environmental Management Plan **[EN010133/APP/C7.16]** 21: Decommissioning Plan **[EN010133/APP/C7.2]**	Applicant / Contractor / Operator
Other Environmental Matters – Human Health **[EN010133/APP/C6.2.21]**	Construction, Decommissioning	Personal Protective Equipment (PPE). Construction personnel will be required to wear PPE during construction such as dust masks	Embedded	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]** 21: Decommissioning Plan **[EN010133/APP/C7.2]**	Applicant / Contractor / Operator
Other Environmental Matters – Major Accidents and Disasters **[EN010133/APP/C6.2.21]**	Construction, Operation, Decommissioning	Risk Assessment and Management Plans. The risk of major accidents and disasters during construction, operation and decommissioning will be addressed through relevant risk assessments and management plans.	Embedded	5: Approval of detailed design 6: Battery Storage Safety Management Plan **[EN010133/APP/C7.9]** 13: Construction Environmental Management Plan **[EN010133/APP/C7.1]**	Applicant / Contractor / Operator

				14: Operational Environmental Management Plan **[EN010133/APP/C7.16]** 21: Decommissioning Plan **[EN010133/APP/C7.2]**	
Other Environmental Matters – Telecommunications, Utilities and Television **[EN010133/APP/C6.2.21]**	Construction	The offsets required to be maintained to identified services as directed by service providers has been informed the design. During construction, precautionary measures of working will be adopted to include locating utilities outside of know utilities protected zones. Mapping and ground penetrating radar will be used.	Embedded / Additional	13: Construction Environmental Management Plan **[EN010133/APP/C7.1]**	Contractor