

Springwell Solar Farm

Environmental Statement

Volume 1
Chapter 17: Mitigation Schedule
[tracked]

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Springwell Energyfarm Ltd

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Planning Act 2008
Infrastructure Planning
(Applications: Prescribed Forms
and Procedure) Regulations 2009

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1. Introduction

- 1.1.1. This chapter provides a schedule of the embedded and additional mitigation that has been taken into account in the assessment of likely significant effects outlined within **ES Volume 1, Chapter 5 – 16 [EN010149/APP/6.1]**.
- 1.1.2. This document should be read alongside the **Guide to the Application [EN010149/APP/1.2]** which sets out the roles and structure of the Control Documents that form the securing mechanisms for the mitigation identified.
- 1.1.3. **Table 1** below sets out the mitigation measure alongside the relevant phase of work, responsible party and mechanism by which the mitigation is secured through the DCO.

Table 1 – Mitigation Schedule

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
Air Quality					
ES Volume 1, Chapter 6: Air Quality [EN010149/A PP/6.1]	Built development above ground will be offset at least 20m from Local Wildlife Sites except for highways improvement works.	Embedded	Construction Operation (including maintenance)	Applicant	Design Commitments [EN010149/APP/7.4]
ES Volume 1, Chapter 6: Air Quality [EN010149/A PP/6.1]	Perimeter fencing surrounding the Solar PV development will be offset at least 15m from existing woodlands.	Embedded	Construction Operation (including maintenance)	Applicant	Design Commitments [EN010149/APP/7.4]
ES Volume 1, Chapter 6: Air Quality [EN010149/A PP/6.1]	Springwell Substation, BESS, Collector Compounds, Standalone Inverter, Transformer and Switchgear and ITS (part of the balance of solar system plant comprised in Work No. 1) will be offset at least 250m from residential properties.	Embedded	Construction Operation (including maintenance)	Applicant	Design Commitments [EN010149/APP/7.4]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
ES Volume 1, Chapter 6: Air Quality [EN010149/A PP/6.1]	Develop and implement a stakeholder communications plan that includes community engagement before work commences on Site.	Additional	Construction Decommissioning	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 6: Air Quality [EN010149/A PP/6.1]	Site management measures to monitor, record, and address all dust and air quality complaints, share relevant information with local authorities, and document any exceptional incidents and actions taken to mitigate dust emissions.	Additional	Construction Decommissioning	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 6: Air Quality [EN010149/A PP/6.1]	Undertake regular onsite and offsite inspection, where receptors (including roads) are nearby, to monitor dust and compliance with Dust management Plan, record inspection results, and make the inspection log available to North	Additional	Construction Decommissioning	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7] Outline Decommissioning Environmental

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
	Kesteven District Council and Lincolnshire County Council when asked. Monitoring should, where possible, include regular dust soiling checks of surfaces such as street furniture, cars and window sills within 100m of the Order Limits in agreement with the relevant homeowners/landowners.				Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 6: Air Quality [EN010149/APP/6.1]	Increase the frequency of Site inspections by the person accountable for air quality and dust issues onsite when activities with a high potential to produce dust are being carried out and during prolonged dry or windy conditions.	Additional	Construction Decommissioning	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 6: Air Quality [EN010149/APP/6.1]	During the construction and decommissioning phase, agree dust deposition, dust flux, or real-time PM ₁₀ continuous monitoring locations with North Kesteven District Council and Lincolnshire	Additional	Construction Decommissioning	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.13] Outline Decommissioning Environmental

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
	County Council. Where possible, commence baseline monitoring at least three months before demolition work commences on Site.				Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 6: Air Quality [EN010149/APP/6.1]	Measures for preparing and maintaining the Site, such as keeping machinery and dust-generating activities away from receptors, implementing dust suppression or containment measures, maintaining clean fencing and barriers, promptly remove or cover dust-producing materials, and cover, seed, or fence stockpiles to prevent wind dispersion.	Additional	Construction Decommissioning	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.1]
ES Volume 1, Chapter 6: Air Quality [EN010149/APP/6.1]	Ensuring all vehicles switch off engines when stationary, no idling vehicles	Additional	Construction Operation (including maintenance)	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7] Outline Operation Environmental

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
			Decommissioning		Management Plan [EN010149/APP/7.10] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 6: Air Quality [EN010149/APP/6.1]	Impose and signpost a maximum speed limit of 15 miles per hour on surfaced and 10 miles per hour on unsurfaced haul roads and work areas.	Additional	Construction Decommissioning	Principal contractor	Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13] Outline Construction Traffic Management Plan (CTMP) [EN010149/APP/7.8]
ES Volume 1, Chapter 6: Air Quality [EN010149/APP/6.1]	Produce a construction logistics plan to manage the sustainable delivery of goods and materials	Additional	Construction	Principal contractor	Outline Construction Traffic Management Plan [EN010149/APP/7.8]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
ES Volume 1, Chapter 6: Air Quality [EN010149/APP/6.1]	Implement a travel plan that supports and encourages sustainable travel.	Additional	Construction Decommissioning	Principal contractor	Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13] Outline Construction Traffic Management Plan [EN010149/APP/7.8]
ES Volume 1, Chapter 6: Air Quality [EN010149/APP/6.1]	Implement dust control measures during operations by using cutting, grinding, or sawing equipment with dust suppression techniques, ensuring an adequate non-potable water supply for dust mitigation, utilising enclosed chutes, conveyors, and covered skips, minimizing drop heights for loading and handling, and promptly cleaning up any spillages using wet cleaning methods.	Additional	Construction Decommissioning	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 6: Air Quality	Avoid bonfires or burning of waste material.	Additional	Construction Decommissioning	Principal contractor	Outline Construction Environmental

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
[EN010149/A PP/6.1]					Management Plan [EN010149/APP/7.7] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 6: Air Quality [EN010149/A PP/6.1]	During the decommissioning phase, implement dust control in demolition by conducting a soft strip inside buildings prior to demolition, using effective water suppression during operations, avoiding explosive blasting in favour of manual or mechanical methods, and bagging or dampening biological debris before removal.	Additional	Decommissioning	Principal contractor	Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 6: Air Quality [EN010149/A PP/6.1]	Re-vegetate earthworks and exposed areas/soil stockpiles to stabilise surfaces as soon as practicable.	Additional	Construction Decommissioning	Principal contractor	Outline Soil Management Plan [EN010149/APP/7.11]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
ES Volume 1, Chapter 6: Air Quality [EN010149/APP/6.1]	Use hessian, mulches or trackifiers where it is not possible to re-vegetate or cover with topsoil, as soon as practicable.	Additional	Construction Decommissioning	Principal contractor	Outline Soil Management Plan [EN010149/APP/7.11]
ES Volume 1, Chapter 6: Air Quality [EN010149/APP/6.1]	Only remove the cover in small areas during work and not all at once.	Additional	Construction Decommissioning	Principal contractor	Outline Soil Management Plan [EN010149/APP/7.11]
ES Volume 1, Chapter 6: Air Quality [EN010149/APP/6.1]	During construction, avoid scabbling where possible, store sand and aggregates in bunded areas to prevent drying out unless necessary with additional control measures, ensure bulk cement and fine powders are delivered in enclosed tankers and stored in silos with emission control systems, and seal and store smaller bags of fine materials to prevent dust emissions.	Additional	Construction Decommissioning	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
ES Volume 1, Chapter 6: Air Quality [EN010149/A PP/6.1]	Implement a wheel washing system, use water-assisted dust sweepers on access and local roads to remove material trackout of the Site, avoid dry sweeping of large areas, ensure vehicles entering and leaving the site are covered to prevent material escape, and record inspections of haul routes and actions taken in a site logbook.	Additional	Construction Decommissioning	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7] Outline Decommissioning Environmental Management Plan [EN010149/APP.7.13] Outline Construction Traffic Management Plan [EN010149/APP/7.8]
ES Volume 1, Chapter 6: Air Quality [EN010149/A PP/6.1]	Any emissions from non-road mobile machinery can be reduced by ensuring that any plant used on-site comply with the nitrogen oxides, particulate matter and carbon monoxide emissions standards specified in the Regulation (EU) 2016/1628 of the European Parliament and of the Council as a minimum, where they have net power of between 37kW and 560kW. The emissions	Additional	Construction Decommissioning	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
	standards vary depending on the net power the engine produces.				
Biodiversity					
ES Volume 1, Chapter 7: Biodiversity [EN010149/APP/6.1]	Control measures that will be implemented during construction to protect LWS, semi-improved grassland, woodland, hedgerows, hedgerow trees, notable arable floras and other important habitats from potential construction related effects, including dust deposition, air pollution, pollution incidents and water quality, would be provided through the adoption of construction industry good practice and environmental protection legislation during construction.	Additional	Construction Operation (including maintenance) Decommissioning	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7] Outline Operational Environmental Management Plan [EN010149/APP/7.10] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 7: Biodiversity [EN010149/APP/6.1]	Good practice pollution control and a minimum works buffer of at least 6m to protect ponds present within the Order Limits.	Additional	Construction Decommissioning	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
					Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 7: Biodiversity [EN010149/A PP/6.1]	Good practice measures to protect trees, during construction and decommissioning in-line with the British Standard "Trees in Relation to Design, Demolition and Construction to Construction - Recommendations" (BS 5837) (2012) to ensure that trees are appropriately and successfully retained during construction and decommissioning.	Additional	Construction Decommissioning	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 7: Biodiversity [EN010149/A PP/6.1]	Good practice measures for lighting: in-line with the Bat Conservation Trust, Guidance Note 08/18: Bats and artificial lighting in the UK Bats and the Built Environment series, Institute of Lighting Professionals (2018) to mitigate impact to bats and other nocturnal species during	Additional	Construction Operation (including maintenance) Decommissioning	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7] Outline Operational Environmental Management Plan [EN010149/APP/7.10]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
	construction, operation and decommissioning.				Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 7: Biodiversity [EN010149/APP/6.1]	Buffer zones (10m from built development to existing hedgerows, 6m from built development to watercourses/ditches and 15m from built development from existing woodland) will be enforced and marked out as appropriate with fencing or signage during construction and decommissioning.	Embedded	Construction Decommissioning	Principal contractor	Design Commitment [EN010149/APP/7.4]
ES Volume 1, Chapter 7: Biodiversity [EN010149/APP/6.1]	Buffer zones of 30m from active badger setts to built development, to avoid damage to setts and disturbance to badgers during construction, operation (including maintenance) and decommissioning.	Embedded	Construction Operation (including maintenance) Decommissioning	Principal contractor	Design Commitment [EN010149/APP/7.4]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
ES Volume 1, Chapter 7: Biodiversity [EN010149/A PP/6.1]	Perimeter fencing will permit the passage of wildlife, either through a clearance at ground level or via mammal gates.	Embedded	Construction Operation (including maintenance)	Principal contractor	Design Commitment [EN010149/APP/7.4]
ES Volume 1, Chapter 7: Biodiversity [EN010149/A PP/6.1]	A 4m high acoustic barrier will surround the BESS compound and 6m high absorbent acoustic barrier will be positioned to the west, north and east faces of the Springwell Substation transformers.	Embedded	Construction	Applicant	Design Commitment [EN010149/APP/7.4]
ES Volume 1, Chapter 7: Biodiversity [EN010149/A PP/6.1]	Habitat creation, treatments and improvement measures (including treatments under Solar PV modules) during construction and operation (including maintenance) will be managed and monitored to ensure successful establishment throughout the 40 year	Embedded	Construction Operation (including maintenance)	Principal contractor	Outline Landscape and Ecology Management Plan [EN010149/APP/7.9]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
	operational (including maintenance) phase.				
ES Volume 1, Chapter 7: Biodiversity [EN010149/A PP/6.1]	A suitably qualified ecologist would be appointed during construction to advise on protecting important ecological receptors and compliance with legislation.	Additional	Construction	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7]
ES Volume 1, Chapter 7: Biodiversity [EN010149/A PP/6.1]	Pre-construction and pre-decommissioning surveys to validate or update baseline surveys where required (including update badger and nesting barn owl surveys).	Additional	Construction Decommissioning	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 7: Biodiversity [EN010149/A PP/6.1]	Preparation of mitigation strategies/precautionary working method statements for protected and notable species (such as two stage vegetation clearance to avoid harm to reptiles, covering open excavations overnight or	Additional	Construction Operation (including maintenance) Decommissioning	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7] Outline Decommissioning Environmental

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
	installing ramps to prevent animals being trapped, nesting bird checks, barn owl surveys.				Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 7: Biodiversity [EN010149/APP/6.1]	Vegetation clearance to avoid the nesting bird season where possible. If any clearance is required between March and August inclusive then a nesting bird check will be required by a suitably qualified ecologist within 48 hours prior to works. Cleared ground will be maintained in a disturbed state in the run up to works to reduce suitability for nesting birds.	Additional	Construction Decommissioning	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 7: Biodiversity [EN010149/APP/6.1]	Bat mitigation to maintain connectivity of hedgerows during construction. For any hedgerow sections removed of 10m or more then in-filling of gaps would be required during the bat activity season (April to October) to mitigate for foraging and	Additional	Construction	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
	commuting bats until hedgerows are re-instated.				
ES Volume 1, Chapter 7: Biodiversity [EN010149/A PP/6.1]	The production of an Arboricultural Method Statement to be carried out prior to any vegetation removal.	Additional	Construction	Applicant	Outline Construction Environmental Management Plan [EN010149/APP/7.7]
ES Volume 1, Chapter 7: Biodiversity [EN010149/A PP/6.1]	Biosecurity measures will be undertaken as appropriate, such as checking new planting stock (e.g. potted plants or tree root balls) are free from invasive seedlings before bringing onto site and ensuring vehicles, clothing and equipment are clean and free from contaminated soil/seeds where appropriate.	Additional	Construction Decommissioning		Outline Construction Environmental Management Plan [EN010149/APP/7.7] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13] Outline Landscape Environmental Management Plan [EN010149/APP/7.9]
Climate					

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
ES Volume 1, Chapter 8: Climate [EN010149/A PP/6.1]	All members of the supply chain will provide a carbon reduction plan where feasible.	Additional	Construction Operation (including maintenance) Decommissioning	Applicant	Outline Construction Environmental Management Plan [EN010149/APP/7.7] Outline Operational Environmental Management Plan [EN010149/APP/7.10] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 8: Climate [EN010149/A PP/6.1]	Lean design to minimise use of concrete, steel, aggregates, etc.	Embedded	Construction	Applicant	Outline Construction Environmental Management Plan [EN010149/APP/7.7]
ES Volume 1, Chapter 8: Climate [EN010149/A PP/6.1]	Any vegetation cleared will be compensated by a planting scheme that equals or exceeds the current levels of vegetation.	Embedded	Construction	Applicant	Outline Landscape and Ecology Management Plan [EN010149/APP/7.9]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
ES Volume 1, Chapter 8: Climate [EN010149/A PP/6.1]	Responsible sourcing of materials and infrastructure. Use of products with lower embodied/pre-use phase emissions will significantly improve the carbon balance of the Proposed Development	Additional	Construction	Applicant	Outline Construction Environmental Management Plan [EN010149/APP/7.7]
ES Volume 1, Chapter 8: Climate [EN010149/A PP/6.1]	Implementing measures to decrease fuel use by maximising energy efficiencies, for example to ensure all vehicles switch off engines when stationary and ensure vehicles are well maintained and conform to current emissions standards.	Additional	Construction Operation (including maintenance) Decommissioning	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7] Outline Operational Environmental Management Plan [EN010149/APP/7.10] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
ES Volume 1, Chapter 8: Climate [EN010149/A PP/6.1]	Promoting the use of sustainable fuels in vehicles, and where possible making use of electric vehicles to reduce fuel consumption.	Additional	Construction Operation (including maintenance) Decommissioning	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7] Outline Operational Environmental Management Plan [EN010149/APP/7.10] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 8: Climate [EN010149/A PP/6.1]	Using locally sourced and/or produced materials, where practicable. The use of recycled aggregates, where appropriate, for foundations, subbases, hard-standings and pavement materials.	Additional	Construction Operation (including maintenance)	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7] Outline Operational Environmental Management Plan [EN010149/APP/7.10]
ES Volume 1, Chapter 8: Climate	Actions to meet the waste hierarchy in accordance with the principles of the Government's	Additional	Construction	Principal contractor	Outline Construction Environmental

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
[EN010149/A PP/6.1]	Resources and waste strategy for England 2018. Promoting the recycling of materials by segregating waste to be re-used and recycled where practical.		Operation (including maintenance) Decommissioning		Management Plan [EN010149/APP/7.7] Outline Operational Environmental Management Plan [EN010149/APP/7.10] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 8: Climate [EN010149/A PP/6.1]	Measures to decrease GHG emissions, including liaising with construction staff to minimise GHG emissions associated with their commute to the Site.	Additional	Construction	Principal contractor	Outline Construction Traffic Management Plan [EN010149/APP/7.8]
Cultural Heritage					
ES Volume 1, Chapter 9: Cultural Heritage [EN010149/A PP/6.1]	Standard of good practice as set out in the Institute of Air Quality Management (IAQM) 'Guidance on the Assessment of Dust from Demolition and Construction', will be following during the	Additional	Construction Operation (including maintenance) Decommissioning	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7] Outline Operational Environmental

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
	construction, operation (including maintenance) and decommissioning to minimise dust from activities and vehicles that might impact on cultural heritage assets.				Management Plan [EN010149/APP/7.10] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 9: Cultural Heritage [EN010149/APP/6.1]	Areas with known or suspected below-ground archaeological deposits have been largely avoided through the Project parameters and ongoing design development.	Embedded	Construction Operation (including maintenance) Decommissioning	Applicant	Works Plans [EN010149/APP/2.3]
ES Volume 1, Chapter 9: Cultural Heritage [EN010149/APP/6.1]	Changes to the setting of designated and non-designated heritage assets have been avoided through amendments to the Proposed Development layout including exclusion of Solar PV modules from areas which contribute to the significance of heritage assets, and proposed additional vegetation screening.	Embedded	Construction Operation (including maintenance) Decommissioning	Applicant	Works Plans [EN010149/APP/2.3]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
ES Volume 1, Chapter 9: Cultural Heritage [EN010149/APP/6.1]	Site access points from the A15 have been selected to avoid works in proximity to the listed milepost.	Embedded	Construction Operation (including maintenance) Decommissioning	Applicant	Works Plans [EN010149/APP/2.3]
ES Volume 1, Chapter 9: Cultural Heritage [EN010149/APP/6.1]	Non-intrusive construction methods such as concrete feet will be used within the archaeological mitigation areas shown in ES Volume 2, Figure 9.8: Indicative Archaeological Mitigation Areas [EN010149/APP/6.2] .	Embedded	Construction	Applicant	Outline Construction Environmental Management Plan [EN010149/APP/7.7]
ES Volume 1, Chapter 9: Cultural Heritage [EN010149/APP/6.1]	Routeing of HGV construction traffic away from Blankney and Scopwick.	Embedded	Construction Decommissioning	Principal contractor	Outline Construction Traffic Management Plan [EN010149/APP/7.8]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
ES Volume 1, Chapter 9: Cultural Heritage [EN010149/APP/6.1]	Good practice measures to prevent accidental damage to Milepost 20 metres south of Ashby Lodge Farm (Grade II listed building).	Additional	Construction Operation (including maintenance) Decommissioning	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7] Outline Operational Environmental Management Plan [EN010149/APP/7.10] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 9: Cultural Heritage [EN010149/APP/6.1]	Piling will be avoided in the area of the WWII aeroplane crash site (non-designated heritage assets MLI25416 and MLI25417) and detailed design will seek to route cables outside of the crash site location so that that these sites will be preserved in situ. If avoidance is not possible then cables would be routed above ground or targeted areas of	Additional	Construction	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
	archaeological investigation would take place.				
ES Volume 1, Chapter 9: Cultural Heritage [EN010149/A PP/6.1]	A targeted area of archaeological investigation (strip, map and sample incorporating a metal detector survey) will take place in the area of the Satellite Collector Compound within this Springwell East so that any further remains associated with the WWII aeroplane crashes which may be present in this area can be recovered.	Additional	Construction	Principal contractor	Outline Written Scheme of Investigation [EN010149/APP/7.15]
ES Volume 1, Chapter 9: Cultural Heritage [EN010149/A PP/6.1]	Outline location and measures to protect WWII aeroplane crash sites (non-designated heritage assets MLI25416 and MLI25417).	Additional	Construction Operation (including maintenance) Decommissioning	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7] Outline Operational Environmental Management Plan [EN010149/APP/7.10] Outline Decommissioning Environmental

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
					Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 9: Cultural Heritage [EN010149/APP/6.1]	Targeted areas of archaeological investigation (strip, map and sample in advance of construction) will take place within the archaeological mitigation areas shown in ES Volume 2, Figure 9.8: Indicative Archaeological Mitigation Areas [EN010149/APP/6.2] so that the archaeological remains can be investigated and recorded.	Additional	Construction	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7] Outline Written Scheme of Investigation [EN010149/APP/7.15]
ES Volume 1, Chapter 9: Cultural Heritage [EN010149/APP/6.1]	Known non-designated heritage assets within the area of Solar PV development and cable route will be listed in the relevant management plan to avoid any unintended impacts.		Construction Operation (including maintenance) Decommissioning		Outline Construction Environmental Management Plan [EN010149/APP/7.7] Outline Operational Environmental Management Plan [EN010149/APP/7.10] Outline Decommissioning Environmental

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
					Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 9: Cultural Heritage [EN010149/A PP/6.1]	Detailed design will seek to site ITS outside of the archaeological mitigation areas and if this is not possible, to use above ground cabling between Solar PV modules within the mitigation areas.	Additional	Construction	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7]
ES Volume 1, Chapter 9: Cultural Heritage [EN010149/A PP/6.1]	Methods for identifying currently unknown archaeological remains to inform detailed design and securing mitigation measures in agreement with Lincolnshire County Council.	Additional	Construction Operation (including maintenance) Decommissioning	Principal contractor	DCO Requirement [EN010149/APP/3.1] Outline Written Scheme of Investigation (oWSI) [EN010149/APP/7.15]
ES Volume 1, Chapter 9: Cultural Heritage	Detailed earthwork survey of Brauncewell medieval village scheduled monument (NHLE 1018397).	Additional	Operation (including maintenance)	Applicant	Outline Operational Environmental Management Plan [EN010149/APP/7.10]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
[EN010149/A PP/6.1]	Seasonal restrictions on use of permissive path to limit risk of erosion during wet weather (to be reviewed periodically for effectiveness in consultation with Historic England).				
ES Volume 1, Chapter 9: Cultural Heritage [EN010149/A PP/6.1]	Use of concrete feet foundations rather than piled foundations for Solar PV modules in areas of high archaeological sensitivity.	Additional	Construction	Applicant	Outline Construction Environmental Management Plan [EN010149/APP/7.7]
ES Volume 1, Chapter 9: Cultural Heritage [EN010149/A PP/6.1]	Use of string inverters rather than central inverters in areas of high archaeological sensitivity.	Additional	Construction	Applicant	Outline Construction Environmental Management Plan [EN010149/APP/7.7]
Glint and Glare					

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
ES Volume 3, Appendix 5.4: Glint and Glare [EN010149/APP/6.3]	Temporary mitigation will be implemented along the hedgerow within the east of Field W1 where there are existing gaps during the interim of proposed vegetation reaching sufficient height of 3m to mitigate impacts of glint and glare. This temporary mitigation may include temporary screening or suitable alternative mitigation to be confirmed in the detailed LEMP.	Embedded	Construction	Applicant	Outline Landscape and Ecology Management Plan [EN010149/APP/7.9]
ES Volume 3, Appendix 5.4: Glint and Glare [EN010149/APP/6.3]	Landscape mitigation planting	Embedded	Construction	Applicant	Outline Landscape and Ecology Management Plan [EN010149/APP/7.9]
Landscape and Visual					
ES Volume 1, Chapter 10: Landscape and Visual	Implementation of landscape mitigation planting.	Embedded	Construction	Applicant	Outline Landscape and Ecology Management Plan [EN010149/APP/7.9]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
[EN010149/A PP/6.1]					
ES Volume 1, Chapter 10: Landscape and Visual [EN010149/A PP/6.1]	Earthworks (up to 5m in height) and a minimum 20m width belt of structural native woodland planting along the eastern edge of the BESS and Springwell Substation in Field Tb2.	Embedded	Construction	Applicant	Outline Landscape and Ecology Management Plan [EN010149/APP/7.9]
ES Volume 1, Chapter 10: Landscape and Visual [EN010149/A PP/6.1]	Structural planting will consist of native and indigenous species and wherever possible be of local provenance.	Embedded	Construction	Applicant	Outline Landscape and Ecology Management Plan [EN010149/APP/7.9]
ES Volume 1, Chapter 10: Landscape and Visual [EN010149/A PP/6.1]	Grassland open fields and margins with wildflower throughout the Site	Embedded	Construction	Applicant	Outline Landscape and Ecology Management Plan [EN010149/APP/7.9]
ES Volume 1, Chapter 10:	Perimeter fencing surrounding the Solar PV development will be	Embedded	Construction	Applicant	Design Commitments [EN010149/APP/7.4]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
Landscape and Visual [EN010149/A PP/6.1]	offset at least 15m from existing woodlands and at least 10m either side from all existing hedgerows.				
ES Volume 1, Chapter 10: Landscape and Visual [EN010149/A PP/6.1]	Perimeter fencing surrounding the Solar PV development will not be constructed through existing hedgerows or across ditches where practicable.	Embedded	Construction	Applicant	Design Commitments [EN010149/APP/7.4]
ES Volume 1, Chapter 10: Landscape and Visual [EN010149/A PP/6.1]	Perimeter fencing surrounding the Solar PV development will be offset at least 15m from either side of existing and proposed statutory PRow.	Embedded	Construction	Applicant	Design Commitments [EN010149/APP/7.4]
ES Volume 1, Chapter 10: Landscape and Visual [EN010149/A PP/6.1]	Maintenance of newly established landscape mitigation planting and other habitats.	Additional	Operation (including maintenance)	Principal contractor Applicant	Outline Landscape and Ecology Management Plan [EN010149/APP/7.9]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
ES Volume 1, Chapter 10: Landscape and Visual [EN010149/A PP/6.1]	Protection of existing and established hedgerows, trees, woodland and root protection.	Additional	Operation (including maintenance) Decommissioning	Principal contractor Applicant	Outline Landscape and Ecology Management Plan [EN010149/APP/7.9] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 10: Landscape and Visual [EN010149/A PP/6.1]	Protection of existing retained vegetation.	Additional	Construction	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7]
ES Volume 1, Chapter 10: Landscape and Visual [EN010149/A PP/6.1]	Compounds will maintain a neat and tidy appearance and that any temporary lighting is operated in accordance with an agreed scheme.	Additional	Construction Decommissioning	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]
Land, Soil and Groundwater					

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
ES Volume 1, Chapter 11: Land, Soil and Groundwater [EN010149/APP/6.1]	The design of the Proposed Development minimises where possible the use of grade 1 and grade 2 agricultural land. The design and layout seeks to minimise disturbance to agricultural land of BMV quality. Where possible, existing access tracks within the Order Limits will be used, and new access tracks will avoid BMV land as far as is practical.	Embedded	Construction Operation (including maintenance) Decommissioning	Applicant	Works Plans [EN010149/APP/2.3]
ES Volume 1, Chapter 11: Land, Soil and Groundwater [EN010149/APP/6.1]	Solar PV mounting structure foundations will be driven or helical piles or concrete footings.	Embedded	Construction	Principal contractor	Design Commitments [EN010149/APP/7.4]
ES Volume 1, Chapter 11: Land, Soil and Groundwater	The foundations for the Solar PV modules will be at a maximum depth of 3m, depending on the ground conditions.	Embedded	Construction	Principal contractor	Project Parameters presented in ES Volume 3, Appendix 3.1 [EN010149/APP/6.3].

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
[EN010149/A PP/6.1]					
ES Volume 1, Chapter 11: Land, Soil and Groundwater [EN010149/A PP/6.1]	Areas of impermeable surfaces have been assessed and designed to ensure adequate groundwater infiltration is maintained during construction works.	Embedded	Construction Operation (including maintenance)	Applicant	Outline Drainage Strategy [EN010149/APP/7.16]
ES Volume 1, Chapter 11: Land, Soil and Groundwater [EN010149/A PP/6.1]	Surface water regime during construction will continue to mirror the existing surface water regime and will ensure that there is minimal effect on the existing groundwater conditions.	Embedded	Construction Operation (including maintenance)	Applicant	Outline Drainage Strategy [EN010149/APP/7.16]
ES Volume 1, Chapter 11: Land, Soil and Groundwater [EN010149/A PP/6.1]	Completion of an interpretive report to support the intrusive site investigations that have been undertaken. The report will be issued to Lincolnshire County Council.	Additional	Prior to any construction works	Applicant	Outline Construction Environmental Management Plan [EN010149/APP/7.7]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
ES Volume 1, Chapter 11: Land, Soil and Groundwater [EN010149/APP/6.1]	Procedures to mitigate against erosion, prevent disturbance of contamination, and emergency procedures to manage accidental spillages and leaks in order to minimise any risk to the soil and groundwater	Additional	Construction Operation (including maintenance) Decommissioning	Applicant	Outline Construction Environmental Management Plan [EN010149/APP/7.12] Outline Operational Environmental Management Plan [EN010149/APP/7.10] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 11: Land, Soil and Groundwater [EN010149/APP/6.1]	Completion of a piling risk assessment prior to construction works commencing.	Additional	Construction	Applicant	Outline Construction Environmental Management Plan [EN010149/APP/7.7]
ES Volume 1, Chapter 11: Land, Soil and	To manage the potential impact of firewater associated with the BESS, a tanker will remove firewater from Site, preventing	Additional	Operation (including maintenance)	Principal contractor	Outline Operational Environmental Management Plan) [EN010149/APP/7.10]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
Groundwater [EN010149/A PP/6.1]	accidental release to the surrounding environment.		Decommissioning		Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13] Outline Battery Safety Management Plan [EN010149/APP/7.14]
ES Volume 1, Chapter 11: Land, Soil and Groundwater [EN010149/A PP/6.1]	The risk of UXO will be managed by the implementation of a UXO Risk Management Plan for intrusive works and site-specific awareness briefings, alongside attendance by a UXO specialist and on-site support for intrusive works in areas of medium risk.	Additional	Construction	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7]
ES Volume 1, Chapter 11: Land, Soil and Groundwater [EN010149/A PP/6.1]	Procedures to minimise damage to or erosion of soil, procedures for managing soil during work and details for handling/ trafficking soil at suitable times/ in suitable conditions.	Additional	Construction Operation (including maintenance) Decommissioning	Principal contractor	Outline Soil Management Plan [EN010149/APP/7.11]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
ES Volume 1, Chapter 11: Land, Soil and Groundwater [EN010149/APP/6.1]	Procedures to restore soil after temporary works or at decommissioning. Restoration to be undertaken using soil retained on-site in managed bunds; or with imported topsoil. Areas will be restored to their original agricultural land classification grade.	Additional	Construction Operation (including maintenance) Decommissioning	Principal contractor	Outline Soil Management Plan [EN010149/APP/7.11]
ES Volume 1, Chapter 11: Land, Soil and Groundwater [EN010149/APP/6.1]	Measures will be adopted including matting protect soil and prevent intermixing of soil with the temporary stone surface.	Additional	Construction	Principal contractor	Outline Soil Management Plan [EN010149/APP/7.11]
ES Volume 1, Chapter 11: Land, Soil and Groundwater [EN010149/APP/6.1]	The topsoil removed during the construction process will be placed temporarily in a low-level bund or bunds on land outside the compound. These bunds are short-term storage areas for the topsoil, which will be used in restoration of these areas once	Additional	Construction	Principal contractor	Outline Soil Management Plan [EN010149/APP/7.11]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
	construction is complete. Topsoil mounds will be shaped to repel water and if they will be in place for more than 6 months they will be sown with a low maintenance grass seed mix.				
ES Volume 1, Chapter 11: Land, Soil and Groundwater [EN010149/APP/6.1]	Soil will be stored in managed, segregated stockpiles and will continue to be managed during the operation (including maintenance) phase.	Additional	Operation (including maintenance)	Principal contractor	Outline Soil Management Plan [EN010149/APP/7.11]
ES Volume 1, Chapter 11: Land, Soil and Groundwater [EN010149/APP/6.1]	Access routes for the importation of construction materials, plant and equipment will be determined in advance to avoid inappropriate trafficking of soil.	Additional	Construction Decommissioning	Principal contractor	Outline Construction Traffic Management Plan [EN010149/APP/7.8] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
ES Volume 1, Chapter 11: Land, Soil and Groundwater [EN010149/APP/6.1]	The activities undertaken during the construction, operation (including maintenance) and decommissioning phase of works will be audited against the requirements of the Outline Soil Management Plan [EN010149/APP/7.11] by the principal contractor to ensure adherence.	Additional	Construction Operation (including maintenance) Decommissioning	Principal contractor	Outline Soil Management Plan [EN010149/APP/7.11]
ES Volume 1, Chapter 11: Land, Soil and Groundwater [EN010149/APP/6.1]	During the decommissioning phase, all concrete, hardstanding areas, foundations for the infrastructure and any internal tracks will be removed to a depth of up to 1m. It is assumed that all the below ground cables will be left in situ as these are likely to be located at a depth greater than 1m.	Additional	Decommissioning	Principal contractor	Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]
Noise					

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
ES Volume1, Chapter 12: Noise and Vibration [EN010149/APP/6.1]	A 4m high acoustic barrier will surround the BESS compound and 6m high absorbent acoustic barrier will be positioned to the west, north and east faces of the Springwell Substation transformers.	Embedded	Operation (including maintenance)	Principal contractor	Design Commitments [EN010149/APP/7.4]
ES Volume1, Chapter 12: Noise and Vibration [EN010149/APP/6.1]	Springwell Substation, BESS, Collector Compounds, Standalone Inverter, Transformer and Switchgear and ITS (part of the balance of solar system plant comprised in Work No. 1) will be offset at least 250m from residential properties.	Embedded	Operation (including maintenance)	Principal contractor	Design Commitments [EN010149/APP/7.4]
ES Volume1, Chapter 12: Noise and Vibration [EN010149/APP/6.1]	Perimeter fencing surrounding the Solar PV development will be offset at least 15m from existing woodlands.	Embedded	Operation (including maintenance)	Principal contractor	Design Commitments [EN010149/APP/7.4]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
ES Volume1, Chapter 12: Noise and Vibration [EN010149/APP/6.1]	Perimeter fencing surrounding the Solar PV development will be offset at least 10m either side from all existing hedgerows.	Embedded	Operation (including maintenance)	Principal contractor	Design Commitments [EN010149/APP/7.4]
ES Volume1, Chapter 12: Noise and Vibration [EN010149/APP/6.1]	Built development above ground will be offset at least 20m from Local Wildlife Sites except for highways improvement works.	Embedded	Operation (including maintenance)	Principal contractor	Design Commitments [EN010149/APP/7.4]
ES Volume1, Chapter 12: Noise and Vibration [EN010149/APP/6.1]	Perimeter fencing surrounding the Solar PV development will be offset at least 30m from main badger setts.	Embedded	Operation (including maintenance)	Principal contractor	Design Commitments [EN010149/APP/7.4]
ES Volume1, Chapter 12: Noise and Vibration	Perimeter fencing surrounding the Solar PV development will be offset at least 15m from either side of existing and proposed statutory PRow.	Embedded	Operation (including maintenance)	Principal contractor	Design Commitments [EN010149/APP/7.4]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
[EN010149/A PP/6.1]					
ES Volume1, Chapter 12: Noise and Vibration [EN010149/A PP/6.1]	Independent Outdoor Equipment (transformer, switchgear and central inverters) and ITS will be offset at least 50m from all existing and proposed statutory PRoW.	Embedded	Operation (including maintenance)	Principal contractor	Design Commitments [EN010149/APP/7.4]
ES Volume1, Chapter 12: Noise and Vibration [EN010149/A PP/6.1]	Implementation of Best Practicable Means as defined by the Control of Pollution Act 1974 and implementation of target noise monitoring.	Additional	Construction Operation (including maintenance) Decommissioning	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7] Outline Operation Management Plan [EN010149/APP/7.10] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13] Outline Construction Traffic Management Plan [EN010149/APP/7.8]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
ES Volume1, Chapter 12: Noise and Vibration [EN010149/A PP/6.1]	Noise impacts at receptors during the construction, operation and decommissioning phase activities would be minimised through best practice measures.	Additional	Construction Operation (including maintenance) Decommissioning	Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7], Outline Operation Management Plan [EN010149/APP/7.10] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]
ES Volume1, Chapter 12: Noise and Vibration [EN010149/A PP/6.1]	Operational noise assessment will be undertaken for (Work No. 1 to 4) to ensure the operational noise rating levels comply with the adopted criteria of 40 dB L _{Ar,1hour} daytime and 35dB L _{Ar,15minute} night-time .	Additional	Operation (including maintenance)	Applicant	Requirement 15 of the Draft DCO [EN010149/APP/3.1]
Population					
ES Volume1, Chapter 13: Population	The existing PROWs that cross the Site will be retained. Subject to the construction phasing and	Embedded	Construction	Applicant	Outline Public Rights of Way and Permissive Path

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
[EN010149/A PP/6.1]	methodology, there may be a requirement to temporarily divert a PRow during the construction phase, the detail of which will be sought to be agreed with relevant key stakeholders, with an appropriate temporary alternative provided.		Operation (including maintenance)		Management Plan [EN010149/APP/7.12]
ES Volume1, Chapter 13: Population [EN010149/A PP/6.1]	Perimeter fencing surrounding the Solar PV development will be offset at least 15m from either side of existing and proposed permanent statutory PRow.	Embedded	Construction Operation (including maintenance)	Applicant	Design Commitments [EN010149/APP/7.4]
ES Volume1, Chapter 13: Population [EN010149/A PP/6.1]	Independent Outdoor Equipment (transformer, switchgear and central inverters) and ITS will be offset at least 50m from all existing and proposed statutory PRow.	Embedded	Construction Operation (including maintenance)	Applicant	Design Commitments [EN010149/APP/7.4]
ES Volume1, Chapter 13: Population	Measures to manage any requirements to manage or temporarily close PRow within	Additional	Construction Operation (including maintenance)	Applicant	Outline Public Rights of Way and Permissive Path Management Plan [EN010149/APP/7.12]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
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[EN010149/A PP/6.1] the study area during construction.

Traffic and Transport

ES Volume 1, Chapter 14 : Traffic and Transport [EN010149/A PP/6.1]	Upgrade of A15 / B1191 / Temple Road junction. Upgrade of A15 / Gorse Hill Lane junction. B1191 RAF Digby and Ashby-de-la-Launde road widening. Vehicle passing bay installation on Temple Road.	Embedded	Construction	Principal contractor	Streets, Rights of Way and Access Plans [EN010149/APP/2.4] Draft DCO [EN010149/APP/3.1]
ES Volume 1, Chapter 14 : Traffic and Transport [EN010149/A PP/6.1]	Mitigation during construction in respect to crossing points/closures and or diversions.	Additional	Construction	Principal contractor	Outline Construction Traffic Management Plan [EN010149/APP/7.8] Outline Public Rights of Way and Permissive Path Management Plan [EN010149/APP/7.12]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
ES Volume 1, Chapter 14 : Traffic and Transport [EN010149/A PP/6.1]	Construction sites managed so that vehicles and pedestrians using site routes can move around safely. Other control measures such as bankpersons responsible for the control of manoeuvres and gates. Internal speed limits restricted to between 10-15 mph.	Additional	Construction Decommissioning	Principal contractor	Outline Construction Traffic Management Plan [EN010149/APP/7.8] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 14 : Traffic and Transport [EN010149/A PP/6.1]	Delivery routes identified, routeing HGV traffic away from the largest settlements in the area. Routing away from the settlements of Blankney and Scopwick. Sourcing of materials to focus on distance of quarries to the Site. Shorter distance for transportation of aggregate will assist in mitigating impacts from vehicle emissions on air quality and climate.	Additional	Construction Decommissioning	Principal contractor	Outline Construction Traffic Management Plan [EN010149/APP/7.8] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
ES Volume 1, Chapter 14 : Traffic and Transport [EN010149/A PP/6.1]	Worker commuter bus service from Lincoln and Branston. To reduce worker travel along A15 in the absence of junction improvements at B1202.	Additional	Construction	Principal contractor	Outline Construction Traffic Management Plan [EN010149/APP/7.8]
ES Volume 1, Chapter 14 : Traffic and Transport [EN010149/A PP/6.1]	Temporary signage to be installed to raise awareness of turning construction traffic. Advanced routing signage to be considered.	Additional	Construction Decommissioning	Principal contractor	Traffic Regulations Plans [EN010149/APP/2.6] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 14 : Traffic and Transport [EN010149/A PP/6.1]	Incident management In the event of an incident on the road network, the identified delivery routes arrangements will be implemented to minimise disruption to other road users and construction activities.	Additional	Construction	Principal contractor	Outline Construction Traffic Management Plan [EN010149/APP/7.8]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
	Principal contractor to contact suppliers to inform driver behaviour.				
ES Volume 1, Chapter 14 : Traffic and Transport [EN010149/A PP/6.1]	Principal contractor to liaise with local highways authorities and other parties in the event of other events (e.g., road closures, changes to the logistics strategy across the Site).	Additional	Construction	Principal contractor	Outline Construction Traffic Management Plan [EN010149/APP/7.8]
ES Volume 1, Chapter 14 : Traffic and Transport [EN010149/A PP/6.1]	Management and monitoring of the CTMP(s) through the appointment of a CTMP coordinator. The CTMP coordinator is responsible for the successful delivery of the CTMP(s).	Additional	Construction	Principal contractor	Outline Construction Traffic Management Plan [EN010149/APP/7.8]
ES Volume 1, Chapter 14 : Traffic and Transport [EN010149/A PP/6.1]	Monitoring and review of the measures in the Outline Construction Traffic Management Plan [EN010149/APP/7.8] will be carried out at an appropriate	Additional	Construction	Principal contractor	Outline Construction Traffic Management Plan [EN010149/APP/7.8]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
	frequency, to be agreed with the Local Highway Authority. Data to be collected by the Principal contractor as part of monitoring e.g., number of breaches of vehicle routing and compliance with health and safety standards.				
ES Volume 1, Chapter 14 : Traffic and Transport [EN010149/APP/6.1]	Alternative routing and temporary closures/diversions for PRoW affected by construction. Diversion or local management during construction anticipated to be required for 31 PRoW. Details of these diversions/closure and alternatives will be subject to agreement with relevant planning/PRoW officers and in the PRoWPPMP.	Additional	Construction	Principal contractor	Outline Public Rights of Way and Permissive Path Management Plan [EN010149/APP/7.12].
ES Volume 1, Chapter 14 : Traffic and Transport	Signage to be installed on PRoW to provide information on alternative routes or closures/diversions. Locations and details to be agreed with the	Additional	Construction	Principal contractor	Outline Public Rights of Way and Permissive Path Management Plan [EN010149/APP/7.12].

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
[EN010149/A PP/6.1]	relevant planning authority/PRoW officers.				
ES Volume 1, Chapter 14 : Traffic and Transport [EN010149/A PP/6.1]	Appropriate safety measures such as temporary fencing or distancing tactics (via bankpersons) to be put in place. Details to be contained within the PRoWMP and CTMP with relevant stakeholders including the planning authority.	Additional	Construction	Principal contractor	Outline Public Rights of Way and Permissive Path Management Plan [EN010149/APP/7.12]
Water					
ES Volume 1, Chapter 15: Water [EN010149/A PP/6.1]	Perimeter fencing surrounding the Solar PV development will be offset at least 6m either side from all existing ditches where crossing is not required.	Embedded	Construction Operation (including maintenance) Decommissioning	Applicant Principal contractor	Design Commitment [EN010149/APP/7.4]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
ES Volume 1, Chapter 15: Water [EN010149/A PP/6.1]	Design measures for drainage and surface water runoff.	Embedded	Operation (including maintenance)	Applicant Principal contractor	Outline Drainage Strategy [EN010149/APP/7.16]
ES Volume 1, Chapter 15: Water [EN010149/A PP/6.1]	Design measures to retain firewater runoff within the BESS compound so will not enter the wider environment.	Embedded	Operation (including maintenance)	Applicant Principal contractor	Outline Drainage Strategy [EN010149/APP/7.16]
ES Volume 1, Chapter 15: Water [EN010149/A PP/6.1]	Vegetation management to reduce the risk of soil erosion and improve soil stability during the operation phase.	Embedded	Operation (including maintenance)	Applicant	Outline Landscape and Ecology Management Plan [EN010149/APP/7.9]
ES Volume 1, Chapter 15 : Water [EN010149/A PP/6.1]	Provision of SuDS and/or drainage of hardstanding areas which ensure the quality of surface water discharge to the environment is acceptable	Embedded	Operation (including maintenance)	Applicant	Outline Drainage Strategy [EN010149/APP/7.16]
ES Volume 1, Chapter 15:	Mitigation measures will reduce impacts during the construction	Additional	Construction	Principal contractor	Outline Construction Environmental

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
Water [EN010149/A PP/6.1]	and decommissioning phases. The measures include: no vehicle, equipment or material storage is permitted within the Flood Zone 2 or Flood Zone 3 or within 20m of watercourses and The placement of stockpiled materials as far away as practically possible from sensitive receptors (including the watercourse).		Decommissioning		Management Plan [EN010149/APP/7.7] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 15: Water [EN010149/A PP/6.1]	Adherence to a HDD Fluid Breakout Plan	Additional	Construction		Outline Construction Environmental Management Plan [EN010149/APP/7.7]
ES Volume 1, Chapter 15: Water [EN010149/A PP/6.1]	Potable water requirements for temporary welfare facilities during the construction and decommissioning phases are to be met by bringing in potable	Additional	Construction Decommissioning		Outline Construction Environmental Management Plan [EN010149/APP/7.7]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
	water using a bowser. The welfare facilities that will be included as part of the Project Substation will have a mains supply and once constructed will be used for worker welfare during the construction phase.				Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 15: Water [EN010149/A PP/6.1]	Non-potable water required during construction will be provided by Rainwater harvesting as a preference were practicable	Additional	Construction		Statement of Common Ground - Anglian Water Services Ltd [EN010149/APP/7.21].
ES Volume 1, Chapter 15: Water [EN010149/A PP/6.1]	Potential non-potable water usage during the construction phase may include some mixing of concrete for smaller works like curbing, post setting and brickwork. However, overall the non-potable water usage within the Site will be reduced by importing pre-mixed concrete into the Site for construction for those activities where it is required.	Additional	Construction Decommissioning		Outline Construction Environmental Management Plan [EN010149/APP/7.7] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
ES Volume 1, Chapter 15: Water [EN010149/A PP/6.1]	Anglian Water potable mains water supplies are proposed be utilised for welfare facilities during the operational (including maintenance) phase, the welfare facilities will be located at the Project Substation. Daily welfare facility usage of potable water is assumed for up to 24 people maximum. The Proposed Development would not pose an unreasonable additional strain on potable water resources.	Additional	Operation (including maintenance)		Outline Operational Environmental Management Plan [EN010149/APP/7.10]
ES Volume 1, Chapter 15: Water [EN010149/A PP/6.1]	A supply of non-potable water is proposed to be provided to the Proposed Development via rainwater harvesting as the preferred option of supply where practicable. By not using Anglian Water potable water mains supplies for non-welfare uses, this ensures the Proposed Development will have minimal impact on potable water supplies.	Additional	Operation (including maintenance)		Statement of Common Ground - Anglian Water Services Ltd [EN010149/APP/7.21]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
Flood Risk Assessment [EN010149/A PP/7.16]	Flood Awareness: Site managers are registered with the Environment Agency's Flood Warning system to provide adequate forewarning in the event of a predicted flood for site personal within the northeastern region of the Site to evacuate to an area of safe refuge, upgradient, to the west.	Additional	Construction Operation (including maintenance) Decommissioning	Applicant Principal contractor	Outline Construction Environmental Management Plan [EN010149/APP/7.7] Outline Operational Environmental Management Plan [EN010149/APP/7.10] Outline Decommissioning Environmental Management Plan [EN010149/APP/7.13]
ES Volume 1, Chapter 15: Water [EN010149/A PP/6.1]	Maintenance activities (such as cleaning) to be undertaken with demineralised water to mitigate the risks of cleaning products entering the environment.	Additional	Operation (including maintenance)	Applicant	Outline Operational Environmental Management Plan [EN010149/APP/7.10]
ES Volume 1, Chapter 15 : Water [EN010149/A PP/6.1]	Emergency Spillage Action Plan	Additional	Operation (including maintenance)		Outline Operational Environmental Management Plan [EN010149/APP/7.10]

ES document source	Mitigation measures (including any monitoring requirements)	Embedded or additional mitigation?	Phase	Responsibility	Securing mechanism
ES Volume 1, Chapter 15 : Water [EN010149/A PP/6.1]	Fire water tanks will be filled via supply from a bowser brought to the Site.	Additional	Operation (including maintenance)		Outline Operational Environmental Management Plan [EN010149/APP/7.10]
ES Volume 1, Chapter 15 : Water [EN010149/A PP/6.1]	The foul water drainage for welfare facilities is to be provided via package treatment works or cesspits. Water drainage will not drain to foul or combined sewers, and will instead drain to a package treatment works or cesspits within the Site which will be managed and drained by a licensed courier, this is subject to detailed design of the foul water utilities.	Additional	Operation (including maintenance)		Outline Drainage Strategy [EN010149/APP/7.16]



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