One Earth Solar Farm

Volume 6.0: Environmental Statement [EN010159]

Volume 1: Introductory Chapters

Chapter 1: Introduction

February 2025

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Revision 01

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 – Reg 5 (2) (a)

Contents

1. Introduction

1.1 Overview

1.1.1 This Chapter of the Environmental Statement (ES) has been prepared by Logika Consultants Ltd and presents an introduction to the One Earth Solar Farm Project. The project comprises the construction, operation and maintenance, and decommissioning of a solar photovoltaic (PV) array electricity generating facility. The project includes solar PV arrays, Battery Energy Storage Systems (BESS), onsite substations and associated grid connection infrastructure which will allow for the generation and export of electricity to the proposed National Grid High Marnham Substation (hereafter 'the Proposed Development'). The Applicant has secured a connection agreement with National Grid which would allow export and import of up to 740 megawatts (MW) of electricity to the National Grid High Marnham Substation.

1.1.2 The Proposed Development will be sited across approximately 1,409 hectares (ha) of land within Lincolnshire and Nottinghamshire (the 'Order Limits'). Further details of the Proposed Development, including details on site access, ancillary works, landscape and ecological enhancements and cabling are included in **ES Volume 1, Chapter 5: Description of the Proposed Development [EN010159/APP/6.5]**. Further details on the existing Site are provided in **ES Volume 1, Chapter 3: Description of the Site and Surrounding Area [EN010159/APP/6.3]**.

1.1.3 As the Proposed Development is an onshore energy generating station, the capacity of which will exceed 50MW of electricity, it is classified as a Nationally Significant Infrastructure Project (NSIP) and therefore requires a Development Consent Order (DCO) under Sections 14(1)(a) and 15(2) of the Planning Act 2008 (as amended)[1]. If granted, the DCO would authorise the construction, operation (including maintenance) and decommissioning of the Proposed Development. As a result of their national, strategic importance, DCOs are determined at a national level with the decision on whether to grant consent being made by the relevant Secretary of State (SoS), that being the Department for Energy Security and Net Zero.

1.2 The Applicant

1.2.1 One Earth Solar Farm is being promoted by One Earth Solar Farm Ltd. This is a joint venture between Padero Solaer Ltd (trading as PS Renewables) and Orsted Onshore UK Ltd.

[1] His Majesty's Office (HMSO) (2008) Planning Act 2008 (as amended)- https://www.legislation.gov.uk/ukpga/2008/29/contents

1.2.2 Established in 2012, PS Renewables is one of the UK's largest privately held companies that specialises in the development and asset management of renewable energy projects including solar and Battery Energy Storage Systems (BESS). PS Renewables' existing solar farm portfolio totals over 300MW of electricity producing capacity for the UK.

1.2.3 In the UK, Orsted is a leading offshore wind developer; currently operating 12 offshore wind farms, alongside onshore wind farms in Scotland, and also owning and operating sites for energy storage. Orsted is committed to ensuring that its presence contributes to sustainable growth and development, helping to support the UK in meeting its legally binding net zero targets and benefitting the communities in which it operates.

1.3 Requirement for an Environmental Impact Assessment (EIA)

1.3.1 Under the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 as amended[2] (hereafter referred to as the 'EIA Regulations'), NSIPs are generally required to be subject to an Environmental Impact Assessment (EIA). EIA is a formal process that assesses relevant environmental information to identify the likely significant environmental effects of a project and potential mitigation measures for avoiding, preventing, reducing or, if possible, offsetting likely significant environmental effects. It provides decision-makers with the environmental information needed to make informed decisions when determining applications for certain projects.

1.3.2 The need for EIA is determined by the definitions and criteria provided in Schedule 1, or Schedule 2 and Schedule 3 of the EIA Regulations. Where development is of a description within Schedule 1 ("Schedule 1 development"), EIA is mandatory. Such development under Schedule 1 includes schemes that are likely to have a significant effect on the environment such as nuclear power stations; chemical installations; and airports. The Proposed Development does not meet the requirements of Schedule 1 and therefore, EIA is not mandatory in this case.

1.3.3 For some other developments which fall under Schedule 2, the need for an EIA is determined based on the following criteria:

- It is within one of the classes of development stated in Schedule 2; AND
- Either it exceeds the threshold criteria for the class of development; OR

[2] His Majesty's Office (HMSO) (2017) Infrastructure Planning (Environmental Impact Assessment) Regulations 2017

- it is located in a sensitive area3; AND
- It is likely to have significant effects on the environment by virtue of factors such as its nature, size or location.

1.3.4 The EIA Regulations Schedule 2 – Category 3 (a) is applicable to the Proposed Development and states:

"Energy industry

a) industrial installations for the production of electricity, steam and hot water (projects not included in Schedule 1 to these Regulations)"

1.3.5 Based on the above, it is considered the Proposed Development falls with EIA Schedule 3 (a). Given the Proposed Development is subject to EIA, the Applicant has produced this ES which sets out the likely significant environmental effects associated with the Proposed Development, which has been submitted to accompany the DCO Application.

1.4 Structure of the ES (Volume 6.0)

1.4.1 The ES (**Volume 6.0**) comprises the following:

- ES Volume 1: Introductory Chapters
- ES Volume 2: Aspect Chapters
- ES Volume 3: Figures Supporting ES Volumes 1 and 2 [EN010159/APP/6.20]
- ES Volume 3: Technical Appendices Supporting ES Volumes 1 and 2 [EN010159/APP/6.21]
- Non-Technical Summary [EN010159/APP/6.22]

1.4.2 The details of the ES structure are set out in **Table 1.1**.

Table 1.1 Structure of this ES

Chapter	Description
ES Volume 1: Introductory Chapters	

[3] Sensitive areas include Sites of Special Scientific Interest; Land subject to Nature Conservation Orders; European Sites; National Scenic Areas; World Heritage Sites; Scheduled Monuments; National Parks; Marine Protected Areas.

Chapter	Description
Chapter 1: Introduction **[EN010159/APP/6.1]**	Introduction to the ES, including the structure of the ES, details on the Aspect Chapters, requirements of the EIA Regulations and the Technical Team Competency.
Chapter 2: EIA Methodology **[EN010159/APP/6.2]**	The overall methodology for this EIA, in terms of determining the significance of likely environmental effects.
Chapter 3: Description of the Site and Surrounding Area **[EN010159/APP/6.3]**	Description of the existing Order Limits and surrounding area, including the main environmental features.
Chapter 4: Alternatives and Design Evolution **[EN010159/APP/6.4]**	An outline of the main alternatives studied and an indication of the main reasons for the design of the Proposed Development as submitted, taking into account the environmental effects.
Chapter 5: Description of the Proposed Development **[EN010159/APP/6.5]**	Description of the Proposed Development including the physical conditions and management during the construction, operation and decommissioning phases.
ES Volume 2: Aspect Chapters	
Chapter 6: Biodiversity **[EN010159/APP/6.6]** Chapter 7: Hydrology and Hydrogeology **[EN010159/APP/6.7]** Chapter 8: Land and Soils **[EN010159/APP/6.8]** Chapter 9: Buried Heritage **[EN010159/APP/6.9]** Chapter 10: Cultural Heritage **[EN010159/APP/6.10]** Chapter 11: Landscape and Visual **[EN010159/APP/6.11]** Chapter 12: Transport and Access **[EN010159/APP/6.12]** Chapter 13: Air Quality **[EN010159/APP/6.13]** Chapter 14: Carbon and Climate Change **[EN010159/APP/6.14]** Chapter 15: Noise and Vibration **[EN010159/APP/6.15]** Chapter 16: Human Health **[EN010159/APP/6.16]** Chapter 17: Socio-Economics **[EN010159/APP/6.17]**	The ES considers the aspects of the Proposed Development that may result in likely significant environmental effects. Each aspect is presented in a separate technical chapter and includes details on the environmental measures for appropriately managing effects, details on key consultation with statutory and non-statutory authorities that has informed the design of the Proposed Development, the methodology and technical assessment of the environmental work. The technical chapters have been structured as follows: - Relevant Legislation, Policy and Technical Guidance; - Assessment Methodology and Significance Criteria; - Consultation; - Baseline Conditions; - Environmental Measures; - Assessment of Likely Significant Effects; and, - Summary.
Chapter 18: Cumulative Effects **[EN010159/APP/6.18]**	The assessment of interaction effects resulting from, other existing and, or approved development together with the Proposed Development, as well as the likely combination of significant environmental effects generated by a development on a single receptor.
Chapter 19: Summary of Significant Environmental Effects **[EN010159/APP/6.19]**	Summary of the likely significant environmental effects of the Proposed Development.

Chapter	Description
ES Volume 3: Other Environmental Statement Documents and Technical Appendices	
Figures Supporting ES Volumes 1 and 2 **[EN010159/APP/6.20]**	A set of figures is provided to accompany Volumes 1 and 2 to visually aid the reader and provide further spatial detail and information, where applicable.
Technical Appendices Supporting ES Volumes 1 and 2 **[EN010159/APP/6.21]**	A set of appendices is provided that comprise planning policy, background data, technical reports, tables and surveys, which support the assessments in this ES.
Non-Technical Summary **[EN010159/APP/6.22]**	The Non-Technical Summary (NTS) is presented as a separate document to provide a concise summary of the ES. The NTS is designed to provide information in an accessible format using non-technical language which can be understood by a wide audience and to assist interested parties with their understanding of the Proposed Development.

1.5 Addressing the Requirements of the EIA Regulations

1.5.1 This ES represents the findings of the EIA undertaken for the Proposed Development and has been compiled in accordance with the EIA Regulations, comprising Regulation 14 and Schedule 4, discussed as follows in this chapter.

Table 1.2 Requirements of the EIA Regulations

Specified Information		Chapter Reference
Regulation 14 (2) An environmental statement is a statement which includes at least–		
(a)	a description of the proposed development comprising information on the site, design, size and other relevant features of the development;	Volume 1: Chapter 5: Description of the Proposed Development **[EN010159/APP/6.5]**
(b)	a description of the likely significant effects of the proposed development on the environment;	Volume 2: Aspect Chapters Volume 3: Figures Supporting Volumes 1 and 2 **[EN010159/APP/6.20]** Volume 3: Technical Appendices Supporting ES Volumes 1 and 2 **[EN010159/APP/6.21]**
(c)	a description of any features of the proposed development, or measures envisaged in order to avoid, prevent or reduce and, if possible, offset likely significant adverse effects on the environment;	Volume 1: Chapter 3: Description of the Site and Surrounding Area **[EN010159/APP/6.3]** Volume 1: Chapter 5: Description of the Proposed Development [**EN010159/APP/6.5]** Volume 2: Aspect Chapters Volume 3: Figures Supporting Volumes 1 and 2 **[EN010159/APP/6.20]**

Specified Information		Chapter Reference
		Volume 3: Technical Appendices Supporting ES Volumes 1 and 2 **[EN010159/APP/6.21]**
(d)	a description of the reasonable alternatives studied by the applicant, which are relevant to the proposed development and its specific characteristics, and an indication of the main reasons for the option chosen, taking into account the effects of the development on the environment;	Volume 1: Chapter 4: Alternatives and Design Evolution **[EN010159/APP/6.4]**
(e)	a non-technical summary of the information referred to in sub-paragraphs (a) to (d); and	Volume 3, Non-Technical Summary **[EN010159/APP/6.22]**
(f)	any additional information specified in Schedule 4 relevant to the specific characteristics of the particular development or type of development and to the environmental features likely to be significantly affected.	Volume 2: Aspect Chapters Volume 3: Figures Supporting Volumes 1 and 2 **[EN010159/APP/6.20]** Volume 3: Technical Appendices Supporting ES Volumes 1 and 2 **[EN010159/APP/6.21]**
Regulation 14 (3) The environmental statement must–		
(a)	where a scoping opinion has been adopted, be based on the most recent scoping opinion adopted (so far as the proposed development remains materially the same as the proposed development which was subject to that opinion);	Volume 1, Chapter 2: EIA Methodology **[EN010159/APP/6.2]**
(b)	include the information reasonably required for reaching a reasoned conclusion on the significant effects of the development on the environment, taking into account current knowledge and methods of assessment; and	Volume 2: Aspect Chapters Volume 3: Figures Supporting Volumes 1 and 2 **[EN010159/APP/6.20]** Volume 3: Technical Appendices Supporting ES Volumes 1 and 2 **[EN010159/APP/6.21]**
(c)	be prepared, taking into account the results of any relevant UK environmental assessment, which is reasonably available to the applicant with a view to avoiding duplication of assessment.	Information to inform Shadow Habitat Regulation Assessment Volume 5: Reports and Statements **[EN010159/APP/5.2]**
Regulation 14 (4) In order to ensure the completeness and quality of the environmental statement–		
(a)	the applicant must ensure that the environmental statement is prepared by competent experts; and	Volume 1, Chapter 1: Introduction **[EN010159/APP/6.1]**
(b)	the environmental statement must be accompanied by a statement from the applicant outlining the relevant expertise or qualifications of such experts.	Volume 1, Chapter 1: Introduction **[EN010159/APP/6.1]**
Schedule 4: (1) A description of the development, including in particular–		

Specified Information		Chapter Reference
(a)	a description of the location of the development;	Volume 1: Chapter 3: Description of the Site and Surrounding Area **[EN010159/APP/6.3]**
(b)	a description of the physical characteristics of the whole development, including, where relevant, requisite demolition works, and the land-use requirements during the construction and operational phases;	Volume 1: Chapter 3: Description of the Site and Surrounding Area **[EN010159/APP/6.3]** Volume 1: Chapter 5: Description of the Proposed Development **[EN010159/APP/6.5]**
(c)	a description of the main characteristics of the operational phase of the development (in particular any production process), for instance, energy demand and energy used, nature and quantity of the materials and natural resources (including water, land, soil and biodiversity) used;	Volume 1: Chapter 3: Description of the Site and Surrounding Area **[EN010159/APP/6.3]** Volume 1: Chapter 5: Description of the Proposed Development [**EN010159/APP/6.5]**
(d)	an estimate, by type and quantity, of expected residues and emissions (such as water, air, soil and subsoil pollution, noise, vibration, light, heat, radiation and quantities and types of waste produced during the construction and operation phases.	Volume 2: Aspect Chapters Volume 3: Figures Supporting Volumes 1 and 2 **[EN010159/APP/6.20]** Volume 3: Technical Appendices Supporting ES Volumes 1 and 2 **[EN010159/APP/6.21]**
Schedule 4: (2) a description of the reasonable alternatives (for example in terms of development design, technology, location, size and scale) studied by the developer, which are relevant to the proposed project and its specific characteristics, and an indication of the main reasons for selecting the chosen option, including a comparison of the environmental effects.		Volume 1, Chapter 4: Alternatives and Design Evolution **[EN010159/APP/6.4]**
Schedule 4: (3) a description of the relevant aspects of the current state of the environment (baseline scenario) and an outline of the likely evolution thereof without implementation of the development as far as natural changes from the baseline scenario can be assessed with reasonable effort on the basis of the availability of environmental information and scientific knowledge.		Volume 2: Aspect Chapters Volume 3: Figures Supporting Volumes 1 and 2 **[EN010159/APP/6.20]** Volume 3: Technical Appendices Supporting ES Volumes 1 and 2 **[EN010159/APP/6.21]**
Schedule 4: (4) a description of the factors specified in regulation 4(2) likely to be significantly affected by the development: population, human health, biodiversity (for example fauna and flora), land (for example land take), soil (for example organic matter, erosion, compaction, sealing), water (for example hydromorphological changes, quantity and quality), air, climate (for example greenhouse gas emissions, impacts relevant to adaptation), material assets, cultural heritage, including architectural and archaeological aspects, and landscape		Volume 1: Chapter 2: EIA Methodology **[EN010159/APP/6.2]** Volume 2: Chapter 6: Biodiversity **[EN010159/APP/6.6]** Chapter 7: Hydrology and Hydrogeology **[EN010159/APP/6.7]** Chapter 8: Land and Soils **[EN010159/APP/6.8]** Chapter 9: Buried Heritage **[EN010159/APP/6.9]** Chapter 10: Cultural Heritage **[EN010159/APP/6.10]**

Specified Information		Chapter Reference
		Chapter 11: Landscape and Visual **[EN010159/APP/6.11]** Chapter 12: Transport and Access **[EN010159/APP/6.12]** Chapter 13: Air Quality **[EN010159/APP/6.13]** Chapter 14: Carbon and Climate Change **[EN010159/APP/6.14]** Chapter 15: Noise and Vibration **[EN010159/APP/6.15]** Chapter 16: Human Health **[EN010159/APP/6.16]** Chapter 17: Socio-Economics **[EN010159/APP/6.17]** Volume 3: Technical Appendices Supporting ES Volumes 1 and 2 **[EN010159/APP/6.21]**
Schedule 4: (5) A description of the likely significant effects of the development on the environment resulting from, inter alia—		
(a)	the construction and existence of the development, including, where relevant, demolition works;	Volume 2, Chapter 6 to 18 Volume 3: Figures Supporting Volumes 1 and 2 **[EN010159/APP/6.20]** Volume 3: Technical Appendices Supporting ES Volumes 1 and 2 **[EN010159/APP/6.21]**
(b)	the use of natural resources, in particular land, soil, water and biodiversity, considering as far as possible the sustainable availability of these resources;	Volume 1, Chapter 5: Description of the Proposed Development **[EN010159/APP/6.5]** Volume 2: Chapter 6: Biodiversity **[EN010159/APP/6.6]** Chapter 7: Hydrology and Hydrogeology **[EN010159/APP/6.7]** Chapter 8: Land and Soils **[EN010159/APP/6.8]** Volume 3: Technical Appendices Supporting ES Volumes 1 and 2 **[EN010159/APP/6.21]**
(c)	the emission of pollutants, noise, vibration, light, heat and radiation, the creation of nuisances, and the disposal and recovery of waste;	Volume 1, Chapter 2: EIA Methodology **[EN010159/APP/6.2]** Volume 2: Chapter 13: Air Quality **[EN010159/APP/6.13]** Chapter 14: Carbon and Climate Change **[EN010159/APP/6.14]** Chapter 15: Noise and Vibration **[EN010159/APP/6.15]** Volume 3: Technical Appendices Supporting ES Volumes 1 and 2 **[EN010159/APP/6.21]**

Specified Information		Chapter Reference
		Outline Site Waste Management Plan **[EN010159/APP/7.12]** Glint and Glare Assessment **[EN010159/APP/7.16]**
(d)	the risks to human health, cultural heritage or the environment (for example due to accidents or disasters);	Volume 1, Chapter 5: Description of the Proposed Development **[EN010159/APP/6.5]** Volume 2: Chapter 10: Cultural Heritage **[EN010159/APP/6.10]** Chapter 16: Human Health **[EN010159/APP/6.16]** Chapter 17: Socio-Economics **[EN010159/APP/6.17]** Volume 3: Technical Appendices Supporting ES Volumes 1 and 2 **[EN010159/APP/6.21]**
(e)	the cumulation of effects with other existing and/or approved projects, taking into account any existing environmental problems relating to areas of particular environmental importance likely to be affected or the use of natural resources;	Volume 2: Chapter 18: Cumulative Effects **[EN010159/APP/6.18]** Volume 3: Technical Appendices Supporting ES Volumes 1 and 2 **[EN010159/APP/6.21]**
(f)	the impact of the project on climate (for example the nature and magnitude of greenhouse gas emissions) and the vulnerability of the project to climate change;	Volume 2: Chapter 7: Hydrology and Hydrogeology **[EN010159/APP/6.7]** Chapter 14: Carbon and Climate Change **[EN010159/APP/6.14]**
(g)	the technologies and the substances used.	Volume 1: Chapter 5: Description of the Proposed Development [**EN010159/APP/6.5]** Volume 3: Technical Appendices Supporting ES Volumes 1 and 2 **[EN010159/APP/6.21]**
the description of the likely significant effects on the factors specified in regulation 4(2) should cover the direct effects and any indirect, secondary, cumulative, transboundary, short-term, medium-term and long-term, permanent and temporary, positive and negative effects of the development. This description should take into account the environmental protection objectives established at Union or Member State level which are relevant to the project, including in particular those established under Council Directive 92/43/EEC(1) and Directive 2009/147/EC(2).		Volume 2: Aspect Chapters Volume 3: Figures Supporting Volumes 1 and 2 **[EN010159/APP/6.20]** Volume 3: Technical Appendices Supporting ES Volumes 1 and 2 **[EN010159/APP/6.21]**
Schedule 4: (6)		Volume 2: Aspect Chapters Volume 3: Figures Supporting Volumes 1 and 2 **[EN010159/APP/6.20]** Volume 3: Technical Appendices Supporting ES Volumes 1 and 2 **[EN010159/APP/6.21]**

Specified Information	Chapter Reference
description of the forecasting methods or evidence, used to identify and assess the significant effects on the environment, including details of difficulties (for example technical deficiencies or lack of knowledge) encountered compiling the required information and the main uncertainties involved.	
Schedule 4: (7) a description of the measures envisaged to avoid, prevent, reduce or, if possible, offset any identified significant adverse effects on the environment and, where appropriate, of any proposed monitoring arrangements (for example the preparation of a post-project analysis). That description should explain the extent, to which significant adverse effects on the environment are avoided, prevented, reduced or offset, and should cover both the construction and operational phases.	Volume 2: Aspect Chapters Volume 3: Figures Supporting Volumes 1 and 2 **[EN010159/APP/6.20]** Volume 3: Technical Appendices Supporting ES Volumes 1 and 2 **[EN010159/APP/6.21]**
Schedule 4: (8) a description of the expected significant adverse effects of the development on the environment deriving from the vulnerability of the development to risks of major accidents and/or disasters which are relevant to the project concerned. Relevant information available and obtained through risk assessments pursuant to EU legislation such as Directive 2012/18/EU(3) of the European Parliament and of the Council or Council Directive 2009/71/Euratom(4) or UK environmental assessments may be used for this purpose provided that the requirements of this Directive are met. Where appropriate, this description should include measures envisaged to prevent or mitigate the significant adverse effects of such events on the environment and details of the preparedness for and proposed response to such emergencies.	Aspects scoped out of the ES section in Volume 1, Chapter 2: EIA Methodology **[EN010159/APP/6.2]**
Schedule 4: (9) a non-technical summary of the information provided under paragraphs 1 to 8.	Volume 3: Non-Technical Summary **[EN010159/APP/6.22]**
Schedule 4: (10) a reference list detailing the sources used for the descriptions and assessments included in the environmental statement.	Provided as footnotes and endnotes within each chapter of the ES (Volume 1 and Volume 2)

1.6 Addressing the Requirements as set out in Planning Inspectorate (PINS) Guidance Note Seven

1.6.1 PINS Guidance Note Seven, Annex 1[4], sets out details which the Planning Inspectorate considered are relevant for inclusion in an ES, with regards to Regulation 14(2)(f), Schedule 4. These five details are presented in **Table 1.3** along with evidence how this details have been included in the ES.

Table 1.3 Requirements of the EIA Regulations

Specified Information		Chapter Reference
1.	a description of the Proposed Development including location, physical characteristics, operational characteristics, and expected residues and emissions.	Volume 1: Chapter 3: Description of the Site and Surrounding Area **[EN010159/APP/6.3]** Volume 1: Chapter 5: Description of the Proposed Development **[EN010159/APP/6.5]** Chapter 7: Hydrology and Hydrogeology **[EN010159/APP/6.7]** Chapter 13: Air Quality **[EN010159/APP/6.13]** Chapter 14: Carbon and Climate Change **[EN010159/APP/6.14]** Chapter 15: Noise and Vibration **[EN010159/APP/6.15]**
2.	a description of the baseline scenario including the future baseline without development as far as can be assessed.	Volume 1, Chapter 2: EIA Methodology **[EN010159/APP/6.2]**
3.	a description of the methods used to predict significant effects.	Volume 2: Aspect Chapters Volume 3: Figures Supporting Volumes 1 and 2 **[EN010159/APP/6.20]** Volume 3: Technical Appendices Supporting ES Volumes 1 and 2 **[EN010159/APP/6.21]**
4.	a description of the likely significant effects (both positive and negative) of the Proposed Development having regard to impacts that are; direct and indirect, secondary, cumulative, transboundary, short, medium or long-term, permanent and temporary.	Volume 2: Aspect Chapters Volume 3: Figures Supporting Volumes 1 and 2 **[EN010159/APP/6.20]** Volume 3: Technical Appendices Supporting ES Volumes 1 and 2 **[EN010159/APP/6.21]**
5.	A description of avoidance and mitigation measures and to what extent these will be	Volume 2: Aspect Chapters

[4] Planning Inspectorate (2020) Nationally Significant Infrastructure Projects - Advice Note Seven: Environmental Impact Assessment: process, preliminary environmental information and environmental statements. Available at: https://www.gov.uk/government/publications/nationally-significant-infrastructure-projects-advice-note-seven-environmental-impact-assessment-process-preliminary-environmental-information-an

Specified Information		Chapter Reference
	effective and a description of any proposed monitoring arrangements.	Volume 3: Figures Supporting Volumes 1 and 2 **[EN010159/APP/6.20]** Volume 3: Technical Appendices Supporting ES Volumes 1 and 2 **[EN010159/APP/6.21]**

1.7 Project Team and Competency

1.7.1 The production of the materials including this ES that supports the EIA has been co-ordinated by Logika Consultants. Specialist environmental consultants were appointed by the Applicant to provide technical input.

1.7.2 Regulation 18(5) of the EIA Regulations require that in order to ensure the completeness and quality of the ES, '*(a) the developer must ensure that the environmental statement is prepared by competent experts;*' and '*(b) the environmental statement must be accompanied by a statement from the developer outlining the relevant expertise or qualifications of such experts*.' In accordance with this requirement, the Applicant's EIA Team and relevant credentials are set out in **Table 1.4** along with the respective disciplines.

Table 1.4 The Applicant's EIA Team and Competency

Name	Company	Aspect Covered	Qualifications	Description of Competence
Toby Gibbs	Logika Group	EIA	BSc (Hons), CEnv, CMIEEM	A Chartered Environmentalist, with more than 25 years of experience, and a specialist in EIA having worked on many infrastructure projects, and with experience in the UK, Europe, Africa and the Middle East. Projects include being engaged to provide environmental leadership to the development of Heathrow Airport's expansion proposals, a major NSIP development. He was also the Director responsible for the EIA that formed part of the DCO documentation for reopening Manston Airport in Kent and had a leadership role in the EIA for Hinkley Point C new Nuclear Power Station DCO application.

Name	Company	Aspect Covered	Qualifications	Description of Competence
Guido Pellizzaro	Logika Group	EIA	BSc (Hons) MIAQM AMIEnvSc PIEMA	Environmental consultant with more than 15 years' experience overseeing the production of EIA reports and ES for a range of developments, including solar, throughout the UK. Expert in the management of ES' including liaising with clients, external organisation and project team members. Working as part of the team in providing technical advice on a wide range of environmental issues. EIA Coordinator of the One Earth Solar Farm Scoping Report and Preliminary Environmental Information Report.
Alan Kirby	Logika Group	Ecology and Biodiversity	BSc(Hons), MSc, PHD	Alan is an ecologist with 19 years of consulting experience. Alan has led the biodiversity inputs on a number of large infrastructure projects including input into the ESs as part of the DCO applications for Rampion 2 Offshore Wind Farm (ongoing), the Heathrow Expansion Project, Navitus Bay Offshore Windfarm (NBOWF) and the North London (Electricity Line) Reinforcement Project. He has also provided input to DCO Examination hearing sessions (e.g. Hinkley Point C NNB, NBOWF and Triton Knoll Electrical System), Public Inquiries and Examinations in Public including the provision of written representations, the negotiation of Statements of Common Ground and the giving of oral evidence as an expert witness.
Craig Thwaites	Logika Group	Hydrology	MEng	Craig has worked on a variety of complex solar projects across the UK including Tregonning Solar Farm and Inkersall Road Solar Farm. Within all these projects, Craig uses his experience to impact design and inform the design team on the requirements and benefits that are provided by implementing sustainable flood and drainage solutions.
Simon McMillan	ADAS	Land and Soils	BASIS, BSSS	Simon is a senior soils consultant for ADAS (an RSK Group company). He has expertise in the management and delivery of soils consultancy and agricultural and environmental research. In recent years, he has delivered soil surveys and provided reports for hundreds of projects, including large scale solar, rail, housing and cross-country pipeline projects. These

Name	Company	Aspect Covered	Qualifications	Description of Competence
				typically comprise agricultural land classification (ALC), soil resources plans and soils aftercare management plans. Simon was a lead surveyor Welsh Government project that undertook the largest scale soil survey for over 30 years, covering around 3,000 ha of Wales to help develop the Welsh Government predictive ALC tool.
Stefano Ricchi	Iceni	Buried Heritage	MCIfA	Stefano is a Senior Project Manager, with over 10 years of experience working as archaeologist, consultant and project manager, assisting clients in discharging archaeological conditions and devising archaeological scope of work on a wide range of development schemes. Stefano specializes in providing technical archaeological input and designing archaeological interventions to support various stages of the planning process, with a particular focus on Environmental Impact Assessment (EIA) contributions and pre-submission support of large-scale planning applications. He has also contributed significantly to major infrastructure projects, including HS2 and Tideway.
Georgia Foy	Iceni	Cultural Heritage	BA (hons)	Georgia specialises in large scale development schemes affecting the historic environment and townscape character, where a careful but pragmatic approach is needed to balance the need for development with the heritage and townscape sensitivities of a place. Her particular expertise is in detailed policy appraisals, design and feasibility advice and inputting into Environmental Impact Assessments.
Sam Griffiths	Iceni	Landscape and Visual	CMLI	Sam is an Associate Landscape Architect at Iceni working on complex projects as part of multidisciplinary teams, including preparation of landscape planning and design deliverables for NSIPs. Sam was part of the landscape team for the DCO consented Longfield Solar Farm.
Gordon Buchan	Pell Frischmann	Transport and Access	BEng (Hons), MSc, CMILT,	Gordon Buchan is a highly experienced Transport Planner, having worked on wide

Name	Company	Aspect Covered	Qualifications	Description of Competence
			FCIHT	range of projects across the UK, Ireland and Scandinavia. Gordon specialises in private sector development and renewable energy projects. He has supported several EDF projects in the UK and have acted as Expert Witness on a number of Public Inquiries and NSIP hearings.
Chris Whall	Logika Group	Air Quality	BSc (Hons), Msc, CEnv, MiEnvSci, MIAQM	Chris is a Chartered Environmentalist with over 20 years' experience in environmental consulting. He has a background in air quality, climate change and emissions quantification, impact assessment and management. Chris has particular expertise in the management and delivery of complex air quality and carbon assessments for major infrastructure projects, most notably in the power and transport sectors including DCO applications and highly contentious public consultation exercises.
Laurence Caird	Logika Group	Climate Change	MEarthSci, Csci, MIEA, IAQM	Laurence is a Chartered Scientist with 15 years' experience in the field of environmental consultancy with extensive experience in air quality and climate change assessments. He has produced carbon footprints and greenhouse gas assessments for a number of projects including major infrastructure projects including solar, transportation, as well as EIA residential, commercial and mixed-use developments and industrial facilities.
Jon Sims	Logika Group	Noise and Vibration	BEng (hons), BSc (hons), MIOA	Jon has over 15 years experience in acoustic consultants, this includes many large infrastructure projects including onshore and offshore wind farms, energy transmission systems, rail, road and large industrial projects. Jon provided consultancy advice on noise to HS2 Ltd for several years, particularly in relation to the construction and operation of Phase 1 of HS2, the DCO application for Triton Knoll Offshore Wind Farm Onshore Electrical system, including giving evidence on noise at the planning hearing and environmental permitting for several power stations.
Jon Wright	Iceni	Health	Full Member RTPI, AIEMA	Jon has significant solar experience in the completion on heath assessments; he

Name	Company	Aspect Covered	Qualifications	Description of Competence
				held a role within the in-house planning team of Lightsource BP, a global leader in the development and management of solar projects and smart energy solutions. He was responsible for large-scale solar farm planning applications throughout the UK and Republic of Ireland.
David Tyrer	Logika Group	Socio-Economics	MSc, BA (Hons)	David is an environmental policy and economics expert with nearly 20 years professional experience. He specialises in socio-economic impact assessment, cost benefit analysis, impact assessment and valuation, in the context of government policy as well as development plans and projects. He has led studies for the then Department for Communities and Local Government on the UK costs and benefits of the EU proposals for a revised EIA Directive and a further analysis of the adopted proposals (now the EIA Regulations). He has long experience of preparing and reviewing socio-economic assessment as part of the EIA and DCO processes (including airports, nuclear power stations, wind farms, urban extensions, and various mixed-use developments in the UK and overseas).

1.8 Environmental Statement Availability

1.8.1 The ES is available for viewing by the public on the One Earth Solar Farm website at:

https://oneearthsolarfarm.co.uk/

1.8.2 Additional electronic copies of the ES can be purchased on request from One Earth Solar Farm. Contact details are as follows:

One Earth Solar Farm
Freepost SEC NEWGATE UK LOCAL

(No stamp is needed)

info@oneearthsolarfarm.co.uk

one earth

solar farm