The Great Grid Upgrade

North Humber to High Marnham

NHHM-AEC-CNS-REP-0018

North Humber to High Marnham

Volume 6: Environmental Statement

Document 6.1.A1 Environmental Statement Appendix 1.1 - Statement of Competence

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nationalgrid

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1. Statement of Competence

1.1 Overview and Purpose

1.1.1 This appendix has been produced to support **Application Document 6.1 Chapter 1 Introduction**, which forms part of the Environmental Statement (ES) (Volume 6 of the Development Consent Order (DCO) application) for North Humber to High Marnham (the 'Project').

1.1.2 The purpose of this appendix is to detail the competence of the Project Team who have undertaken the EIA. These professionals have many years' experience working on strategic development projects, including Nationally Significant Infrastructure Projects (NSIP). The individuals responsible for the preparation of environmental topic chapters within the ES are presented in Table 1.1

Institute of Sustainability and Environmental Professionals (ISEP) Quality Mark

1.1.3 AECOM (the lead EIA co-ordinators for the Applicant) are one of eight founding members of the Institute of Sustainability and Environmental Professionals (ISEP) (formerly IEMA) EIA Quality Mark, helping to pilot the scheme prior to its launch in 2011.

1.1.4 The EIA Quality Mark is a voluntary scheme through which our EIA activity is reviewed. Membership of the scheme involves cyclical rigorous and independent checks of the EIAs we undertake, co-ordinate, manage and report by ISEP's appointed assessors.

1.1.5 The EIA Quality Mark demonstrates that AECOM's EIAs are independently rated and regularly monitored to high standards. This underlines their commitment to continuous improvement of EIA practice across the UK.

Table 1.1 – Competent expert evidence

Topic/role	Relevant academic and professional qualifications	Relevant experience in the environmental assessment of infrastructure projects
EIA Lead	• BA (Hons) Geography • MSc Environmental Modelling Monitoring and Reconstruction • Chartered Environmentalist (CEnv) • Member of the Institute of Sustainability and Environmental Professionals (MISEP)	This person is an experienced environmental planner specialising in Environmental Impact Assessment in the infrastructure sector. They have extensive experience working closely with National Grid, in option appraisal, EIA and planning of major linear utilities schemes including overhead lines, underground cables, subsea cables and gas pipelines. This includes key roles in the delivery of Nationally Significant Infrastructure Projects (NSIPs).

Topic/role	Relevant academic and professional qualifications	Relevant experience in the environmental assessment of infrastructure projects
Landscape	• Bachelor of Landscape Architecture • BA (Hons) Landscape Architecture • Chartered Member of the Landscape Institute (CMLI)	This person has over 25 years' experience as a landscape architect and over 14 years' experience of working on major projects for overhead line projects. This person has been heavily involved in the delivery of high voltage electricity projects for National Grid.
Visual	• Bachelor of Science (Hons) Geology (with Geography) • Master of Landscape Design • Fellow of the Landscape Institute (CMLI)	This person has over 25 years of experience of landscape and visual impact design and assessment for large infrastructure projects. They have in depth knowledge of electricity infrastructure projects and the Holford and Horlock Rules, GLVIA and other best practice documents including SPEN's 'Approach to Routeing and Environmental Impact Assessment'.
Ecology	• BSc (Hons) Zoology and Marine Biology - University of Wales, Bangor • MSc Ecology - University of Wales, Bangor • Member of the Chartered Institute of Ecology and Environmental Management (MCIEEM)	This person is an ecologist with over 22 years of experience in England and Wales, surveying for a variety of protected species and habitats, including amphibians, reptiles, bats, water vole, otter, badger, and white clawed crayfish. Their ecological expertise and experience include ecological mitigation, design and management. They have delivered licensed protected species mitigation for mammals, amphibians and reptiles, including holding development licences in both England and Wales, for badger and GCN, and preparing several successful bat licences. They are also experienced in stakeholder engagement and management for issues relating to ecology at both strategic and project planning stages.
Ornithology	• BSc (Hons) Plant Science • MSc Environmental Science • Chartered Environmentalist (CEnv) • Member of the Chartered Institute of Ecology and Environmental Management (MCIEEM) • Chartered Biologist (CBiol) • Member of the Royal Society of Biology (MRSB)	This person is an accomplished ecologist whose project experience spans over 26 years and wide variety of public and private sector clients. They have worked across a wide range of private sectors, especially transport, energy (including renewables and carbon capture/storage), housing and development. Their skillset is broad, with key specialisms in ornithology and habitat surveys. They are considered an expert in surveys and assessments for onshore wind farms and Overhead Power Lines, including the use of Collision Risk Modelling (CRM) in

Topic/role	Relevant academic and professional qualifications	Relevant experience in the environmental assessment of infrastructure projects
		ornithological impact assessments of wind farms.
Cultural Heritage	• BA (Hons) Archaeology • Member of the Chartered Institute for Archaeologists (MCIfA)	This person has over 30 years professional archaeological experience in consultancy and contracting. Their experience encompasses projects across the UK, Ireland & Internationally. They have extensive experience of relevant archaeology and heritage planning, legislation and good practice guidance. They have acted as an expert witness on archaeology at DCO examination and at public inquiry.
Water Environment	• BSc (Hons) Environmental Biology • MSc Water Management • Chartered Environmentalist (CEnv) • Chartered Water and Environmental Manager (C.WEM) • Chartered member of the Institute of Water and Environmental Management (MCIWEM)	This person has over 20 years' experience of assessing the effects of infrastructure development on water resources and flood risk. They have a depth of understanding and have applied her expertise recently on several energy transmission projects in the Suffolk and East Anglia regions, under both the DCO and Town and Country Planning Act regimes.
Geology and Hydrogeology	• BEng (Hons), Industrial Geology, Camborne School of Mines • MSc, Geotechnical Engineering, University of Newcastle-upon-Tyne • Associate of the Camborne School of Mines (ACSM)	This person has 25 years' experience in geotechnical and geoenvironmental engineering across a full range of greenfield and brownfield land development schemes. Their experience includes working as part of teams to successfully secure planning for Nationally Significant Infrastructure Projects and attendance at planning enquiries. They have varied experience including design, supervision and management of ground investigations, foundation design, earthwork specification, hydrogeological and contamination risk assessments and environmental impact assessments (EIA).
Agriculture and Soils	• BSc (Joint Hons) Forestry and Soil Science • PhD Soil Science • Chartered Environmentalist (CEnv)	This person is a Soil and Environmental Scientist with 35 years' technical and business management expertise. They provide technical delivery on soil, river restoration and geomorphological projects, with skills focusing on the survey and understanding of soils and on the interaction of the physical and biological

Topic/role	Relevant academic and professional qualifications	Relevant experience in the environmental assessment of infrastructure projects
	• Fellow, British Society of Soil Science (FISoilSci) • Member of the Chartered Institute of Ecology and Environmental Management (MCIEEM)	worlds. They have a particular expertise in Agricultural Land Classification (ALC) assessments, the development and implementation of Soil Management Plans and in the creation, restoration and translocation of ecologically sensitive habitats.
Traffic and Transport	• BA (Hons) Planning Studies • Dip TP (postgraduate qualification specialising in transport planning) • Member of the Chartered Institute of Logics and Transport • Member of the Bristol Chambers of Commerce Group	This person has 30 years' experience in transport consultancy working for both public and private sector Clients. This person has significant experience in energy sector projects including carbon capture, electricity transmission and interconnection via the sea. His experience lies within the energy, residential, education, commercial, rail, food retail, defence, leisure and mixed-use sectors and public sector transport strategies. They are also an experienced transport expert witness and has presented evidence on various planning applications at public inquiries and DCO examinations.
Air Quality	• BSc (Hons) Environmental Science • Science of the Environment (MRes) • Chartered Environmentalist (CEnv) • Member of The Institute of Air Quality Management (MIAQM) • Member of The Institution of Environmental Sciences (MIEnvSc)	This person is a Chartered Air Quality Specialist with 20 years' experience in the environmental profession. They have supported several NSIPs through the examination phase.
Noise and Vibration	• BSc (Hons): Acoustics, Salford University, 2009 • Member of Institute of Acoustics	This person has over 18 years' experience working on a wide range of projects in the field of acoustics, noise and vibration. He has been involved in all aspects of measuring, modelling, and assessing the potential environmental noise impact at noise sensitive receptors in a variety of contexts, ranging from small-scale industrial and residential schemes to large-scale mixed-use developments and infrastructure projects.
Socio-economics	• BSc (Hons) Economics • MSc Economics	This person has over 23 years' experience of working in this area with particular expertise in socio-economic and community impact

Topic/role	Relevant academic and professional qualifications	Relevant experience in the environmental assessment of infrastructure projects
	• Board Member and Non-Executive Director Institute for Economic Development (IED)	assessment of energy and infrastructure schemes. They have extensive experience in local, city and regional economies and specialises in case making and impact assessment for proposed development projects, including a number of UK Nationally Significant Infrastructure Projects (NSIPs). They are an experienced expert witness on these matters who has represented clients on successful consenting processes.
Health and Wellbeing	• BSc in Economic History with Population Studies • MSc in Urban Economic Development • Member of Institute of Economic Development (IED)	This person has over 20 years of experience in preparing and delivering complex and challenging socio-economics, health and wellbeing and population impact assessments. They have completed a number of DCOs through the examination stage including those within the energy transmission sector.
Climate Change	• BA (Hons) Environmental Studies • Member of the Institute of Sustainability and Environmental Professionals (MISEP) • Chartered Environmentalist (CEnv)	This person has 23 years of experience specialising in greenhouse gas (GHG) and climate change resilience assessments as well as strategy development and reporting for major, clients, projects, and products across the UK and abroad. They have also led climate impact and mitigation strategy assessments for inclusion in EIA and ESIA on a range of high-profile climate impact assessments including master planning, urban regeneration, transport, and other large-scale infrastructure projects. They are fully conversant on UK legislation and policy with regard to climate change including greenhouse gas emissions, transitioning towards net zero emissions targets and climate change resilience assessment.

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