

AENC-ARC-ENV-REP-0100

# Norwich to Tilbury

## Volume 6: Environmental Statement

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Competent Experts Evidence

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**nationalgrid**

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# 1. Competent Experts Evidence

- 1.1.1

This appendix has been produced to support Chapter 1: Introduction (document reference 6.1), which forms part of the Environmental Statement (ES) (Volume 6 of the Development Consent Order (DCO) application) for Norwich to Tilbury (the ‘Project’).
- 1.1.2

The Project Team comprise experienced, professional consultancies with 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 A.1.1.

Table A.1.1 Competent experts evidence

Topic/role	Relevant academic and professional qualifications	Relevant experience in the environmental assessment of infrastructure projects
EIA Lead	<ul style="list-style-type: none"><li>BSc (Hons) Biology</li><li>Member of Institute of Environmental Sciences</li></ul>	They have over 18 years’ experience directing multidisciplinary teams to deliver robust and defensible planning and Environmental Impact Assessment (EIA) positions for major infrastructure projects (including the River Humber Gas Pipeline Replacement Project, A585 Windy Harbour to Skippool Improvement Project and the M3 Junction 9 Improvements project). They are an expert in securing consent through applications for DCOs having led and integrated large teams.
Agriculture and Soils	<ul style="list-style-type: none"><li>BSc (Hons) Forestry and Soil Science</li><li>PhD Soil Science</li><li>Fellow, British Society of Soil Science</li><li>Member, Chartered Institute of Ecology and Environmental Management</li><li>Chartered Environmentalist</li></ul>	They have over 30 years’ experience as a soil and environmental scientist. They have led numerous soil and Agricultural Land Classification assessments as part of ESs on highways projects (such as the Lower Thames Crossing), linear electricity network reinforcement schemes (such as Bramford to Twinstead

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		Reinforcement) and major development such as the Sizewell C nuclear new build.
Air Quality	<ul style="list-style-type: none"> <li>• BSc (Hons) Geography</li> <li>• MSc Environmental Technology</li> <li>• Chartered Environmentalist</li> <li>• Chartered Scientist</li> <li>• Institute of Air Quality Management</li> <li>• Institute of Environmental Management and Assessment</li> </ul>	They have 15 years' experience leading air quality assessments for major infrastructure schemes in the UK, including, A14 DCO, M25 J10-16, A30 DCO, A417 DCO, A66 DCO, HS2 phase 2b (Leeds), Luton airport expansion DCO, Gatwick Northern Runway expansion DCO, SESRO DCO. These schemes have included detailed modelling, analysis of monitoring data, assessment of human and ecological receptors and assessment of significance.
Ecology and Biodiversity	<ul style="list-style-type: none"> <li>• BSc (Hons) Ecology and Environmental Management</li> <li>• MCIEEM</li> <li>• Bat Survey Licence</li> <li>• GCN Licence</li> <li>• NPTC Tree Climbing and Aerial Rescue</li> </ul>	They have 10 years' experience with considerable local knowledge and project management experience of strategic planning and delivery of a wide variety of developments, primarily for linear and energy schemes local to the region with a strong background in EIA. In addition to an excellent technical knowledge, specialising in ornithology, knowledge of current planning guidance and legislation
Contaminated Land, Geology and Hydrogeology	<ul style="list-style-type: none"> <li>• BEng (Hons) Industrial Geology</li> <li>• MSc Geotechnical Engineering</li> </ul>	They have 25 years' experience in geotechnical and geoenvironmental engineering across a full range of greenfield and brownfield land development schemes. They have considerable EIA and DCO experience and has acted as Geology and Ground Conditions lead on several DCO schemes including

Topic/role	Relevant academic and professional qualifications	Relevant experience in the environmental assessment of infrastructure projects
		<p>Millbrook Power Project, Riverside Energy Park and M3 J9 and is currently fulfilling this role on several National Grid DCO projects.</p>
Health and Wellbeing	<ul style="list-style-type: none"> <li>• BSc (Hons) Environmental Conservation</li> <li>• Member of Institute of Environmental Management and Assessment</li> <li>• Chartered Environmentalist</li> </ul>	<p>They are a Chartered Environmentalist, specialising in Impact Assessment. With over 12 years' experience, they have project managed and provided technical and quality expertise for several environmental assessment projects. Their varied experience and technical interests include health in EIA, Health Impact Assessment (HIA), Equality Impact Assessment, Strategic Environmental Assessment (SEA) and Integrated Impact Assessment (IIA). Recent project experience includes the health and wellbeing assessments of the Humber Low Carbon Pipelines, the Integrated Sustainability Assessment of England's Economic Heartland's regional Transport Strategy, High Speed 2 (HS2) Phase 2b, East West Rail, and the assessment of health and equality across a range of other highways and commercial schemes.</p>
Historic Environment	<ul style="list-style-type: none"> <li>• PhD Archaeology</li> <li>• MPhil Archaeological Practice</li> <li>• BA (Hons) Ancient History and Archaeology</li> </ul>	<p>They are a Principal Archaeologist with 13 years relevant experience and has led the cultural heritage assessment on the DCO for an electricity transmission project and contributed to the heritage assessment on a high-pressure gas pipeline replacement DCO. They have most recently worked on the heritage assessment for the Lower</p>

Topic/role	Relevant academic and professional qualifications	Relevant experience in the environmental assessment of infrastructure projects
		Thames Crossing scheme for National Highways.
Hydrology, Land Drainage and Flood Risk	<ul style="list-style-type: none"> <li>• BSc (Hons) Environmental Biology</li> <li>• MSc Water Management</li> <li>• Member of the Chartered Institution of Water and Environmental Management</li> </ul>	They have been working in water environment assessment for 22 years and has acted as the water environment lead on numerous projects including the Silvertown Tunnel, the M4 J3 to J12 Smart Motorway and A585 Skippool to Windy Harbour DCO, Lower Thames Crossing, Humber Low Carbon Pipelines and Bramford to Twinstead Reinforcement DCO projects, also acting as an Expert Witness.
Landscape and Visual	<ul style="list-style-type: none"> <li>• MA Landscape Design</li> <li>• BSc (Hons) Geography</li> <li>• Chartered Member of the Landscape Institute</li> </ul>	They have over 25 years of experience in the field of LVIA and have worked on numerous grid connection and renewable energy projects across the UK. They are experienced in working with the wider team to influence project design and minimise environmental impacts, whilst helping to develop practical solutions. They are a respected Expert Witness who has prepared precognitions, proofs of evidence and written and graphical productions for Public Inquiries, Hearings and Examinations throughout the UK and Ireland.
Arboriculture	<ul style="list-style-type: none"> <li>• Technicians Certificate in Arboriculture</li> <li>• HND in Horticulture</li> <li>• Professional Tree Inspector</li> <li>• Level 5 Diploma in Management &amp; Leadership</li> <li>• Professional member of the Arboricultural Association</li> <li>• Chartered Arboriculturist MICFor.</li> </ul>	They have over 30 years of experience within Arboriculture and Horticulture working in the private sector in both contracting and consultancy. They have experience in managing and delivering environmental arboricultural reports for large scale infrastructure projects across the highways, rail, utility, and

Topic/role	Relevant academic and professional qualifications	Relevant experience in the environmental assessment of infrastructure projects
		environmental sectors throughout the United Kingdom. Other experience extends to tree asset management, health and safety tree condition assessment, tree related subsidence, tree planting and establishment, and forestry windthrow assessment.
Noise and Vibration	<ul style="list-style-type: none"> <li>• BSc (Hons) Acoustics</li> <li>• Corporate Member of the Institute of Acoustics (MIOA)</li> </ul>	<p>They have over 18 years' experience working on a wide range of projects in the field of acoustics, noise, and vibration. They have 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, including rail, road, and electrical infrastructure projects.</p>
Socio-economics, Recreation and Tourism	<ul style="list-style-type: none"> <li>• BSc (Hons) Environmental Science</li> <li>• MSc Environmental Consultancy</li> <li>• Practitioner membership for the Institute of Environmental Management and Assessment (PIEMA)</li> <li>• Registered Environmental Practitioner (REnvP)</li> </ul>	<p>They are a Senior Consultant having 8 years' experience in undertaking EIA for public and private sector clients, including Socio-economics assessment for energy sector developments. They have produced numerous Socio-economics and Population and Human health impact assessments to support medium to large scale infrastructure schemes.</p>
Traffic and Transport	<ul style="list-style-type: none"> <li>• BSc Geography (Hons)</li> <li>• MCILT (Chartered Member of Institute of Logistics Transport)</li> </ul>	<p>They are an Associate Technical Director with over 20 years' experience. They have been involved in numerous multi-discipline schemes</p>

Topic/role	Relevant academic and professional qualifications	Relevant experience in the environmental assessment of infrastructure projects
	<ul style="list-style-type: none"> <li>MSoRSA (Member of Society of Road Safety Auditors)</li> </ul>	<p>covering transport planning, urban realm / streetscape design, sustainable travel, traffic management and diversion planning, environmental assessment, highway design and stakeholder engagement. These include Richborough, North West Coast Connections and Lower Thames Crossing. They have experience assessing traffic impacts on the local and strategic highway network, identifying risks, constraints, and mitigation and have acted as an Expert Witness.</p>
Cumulative Effects	<ul style="list-style-type: none"> <li>BSc (Hons) Environmental Science</li> <li>MSc Environmental Management</li> <li>Practitioner membership for the Institute of Environmental Management and Assessment (PIEMA)</li> </ul>	<p>They are a Senior Consultant having 8 years' experience in undertaking EIA assessment for public and private sector clients, including energy sector developments.</p>

# Glossary

Term	Description
Development Consent Order	A statutory instrument which grants consents and other rights to build a Nationally Significant Infrastructure Project, as defined by the Planning Act 2008
Environmental Impact Assessment (EIA)	An assessment of the likely effects of a development project on the environment, which is reported in an Environmental Statement that is publicised and consulted on and taken into account in the decision on whether a project should proceed
Equality Impact Assessment	An evidence-based approach designed to help organisations ensure that their policies, practices, events and decision-making processes are fair and do not present barriers to participation or disadvantage any protected groups from participation. This covers both strategic and operational activities
Nationally Significant Infrastructure Project	Typically, a large scale development of national importance that requires development consent from The Secretary of State, under the Planning Act 2008
Strategic Environmental Assessment	A systematic process designed to evaluate the environmental impacts of proposed policies, plans or programmes before they are implemented

# Acronyms

Acronym	Full Reference
DCO	Development Consent Order
EIA	Environmental Impact Assessment
EqIA	Equality Impact Assessment
ES	Environmental Statement
HIA	Health Impact Assessment
HS2	High-Speed 2
IIA	Integrated Impact Assessment
MCILT	Chartered Member of Institute of Logistics Transport
MIOA	Corporate Member of the Institute of Acoustics
MSoRSA	Member of Society of Road Safety Auditors
NSIP	Nationally Significant Infrastructure Project
PIEMA	Practitioner membership for the Institute of Environmental Management and Assessment
REnvP	Registered Environmental Practitioner
SEA	Strategic Environmental Assessment

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