

## Appendix 1.1: Statement of Expertise



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Chapter	Qualification / Expertise of Person Responsible
<p><b>Chapter 1: Introduction</b></p> <p><b>Chapter 2: Approach to the EIA</b></p> <p><b>Chapter 3: Site Selection and Design Strategy</b></p> <p><b>Chapter 4: Project Description</b> (prepared by LUC with technical inputs from Pell Frischmann)</p>	<p>The EIA process was overseen by <b>Kate Wigley BSc MSc MIEMA CEnv</b> of LUC. Kate is a Director within LUC's Environmental Planning team and an EIA specialist. Kate has 20 years of professional EIA experience, specialising in integrated environmental design and EIA of large-scale onshore wind farms, including the operational Clyde Wind Farm (South Lanarkshire) and operational Glen App Wind Farm in South Ayrshire.</p> <p><b>Jo Wotton BSc (Hons) MSc MIEMA CEnv</b> is an Associate Environmental Planner with a BSc (Hons) in Zoology and a MSc in Environmental Studies. She is also a Full Member of IEMA and Chartered Environmentalist. Jo has over 13 years' experience in EIA and has project managed the EIAs for a number of onshore wind farms in Scotland.</p> <p>The onsite design civil engineering elements to support the EIA Report and application for Section 36 consent were led by <b>Scott McGarva</b>, Associate Director at Pell Fischmann. Scott is a highly experienced Civil Engineer with over 20 years' experience. He is an established project manager and skilled technical specialist. Scott brings with him a wealth of knowledge of wind farm site design from initial scheme layouts through to detailed design. He specialises in wind farm site development and detailed design and technical consenting of abnormal load access assessments mitigation measures. Scott has substantial experience in obtaining Road Construction Consent, utility approvals and stakeholder consultation and has a proven track record in delivering projects from planning through to detailed design and onto construction.</p>
<p><b>Chapter 5: Planning and Energy Policy Framework</b> (prepared by David Bell Planning)</p>	<p><b>David C Bell BSc (Hons) Dip UD MCIHT MRTPI</b> is a Chartered Town Planner with over 30 years' experience of planning and development practice in the private sector, advising on a range of developments in the UK and overseas. David is a recognised leading expert in energy planning specialising in onshore wind, solar and battery storage developments. He has also advised on nuclear and gas fired power projects and various overhead line projects and substations. He advises on feasibility studies, planning and section 36 applications and planning appeals and frequently acts in the capacity of expert witness in Public Inquiries. David's experience covers practice in Scotland, England and Wales.</p>
<p><b>Chapter 6: Landscape and Visual Amenity</b> (prepared by LUC)</p>	<p>The LVIA has been prepared by <b>Dan Walker BSc (Hons) MLA CMLI</b>, Associate Director of Landscape Planning and chartered landscape architect at LUC. Dan has been a Chartered Member of the Landscape Institute (CMLI) since 2014 and has a Master's in Landscape Architecture from Sheffield University, 2009, and a BSc (Honours) in Landscape Architecture and Ecology from Sheffield University, 2007. Dan has over 13 years of experience in the field of LVIA and has worked on numerous renewable energy and transmission grid connection projects across the UK. He has been involved in the siting, design, and assessment of over 40 onshore wind farms, and has provided preliminary feasibility advice in respect to landscape and visual matters for many more potential schemes across Scotland, Wales, and England, and further afield in Europe. He has previously provided written and oral evidence at Public Local Inquiry in Scotland and has supported other expert witnesses in the preparation of written and oral evidence for multiple Examinations, Public Local Inquiries and Hearings across Scotland, England, and Wales.</p>
<p><b>Chapter 7: Geology, Hydrology, Hydrogeology, and Peat</b> (prepared by Fluid Environmental Consulting and East Point Geo)</p>	<p><b>Duncan Saunders BSc MSc CSci MCIWEM C.WEM</b> is a Hydrogeologist and the Managing Director of Fluid Environmental Consulting. Duncan has over 25 years of consulting experience in hydrogeology and water resources with a wide range of experience in groundwater and water resource studies in particular on large scale mining projects and renewable projects with specialist experience in the development of complex hydrogeological conceptual models combining hydrological, meteorological, geological and hydrogeological data. He has been involved in numerous hydrological and hydrogeological assessments in particular for over 70 windfarm projects from scoping through to the provision of expert witness testimony at public inquiry. This includes baseline studies, impact assessments, conceptual model development, production of construction environmental management plans and monitoring and the provision of sediment control and drainage management advice on site throughout the construction phase. Duncan also specialises in the evaluation of the impacts of developments on peat and groundwater dependent terrestrial ecosystems and manages a group that determine the spatial variability of peat across sites along with quantification of the type of peat and determination of options for its reuse in conjunction with carbon assessment.</p> <p>The Peat Landslide Hazards and Risk Assessment was undertaken by <b>Dr Andy Mills BSc, MSc, PhD, CGeol FGS</b> who is a peat geomorphologist and geohazard consultant at East Point Geo. Andy has 23 years' experience mapping and interpreting peat geomorphology and peat landslides (slides, flows and bursts) in the UK and Ireland, including the specification and interpretation of ground investigations in peatlands. He was technical lead in preparation of the Best Practice Guide for the Scottish Government in relation to peat landslides, having drafted much of both the original guidance and redrafted the second issue. Between 2007 and 2013, and between 2014 and 2018 he acted as lead reviewer for the Scottish Government's contracted checking team for peat stability assessments submitted to the Energy Consents Unit as part of Section 36 applications for wind farm developments. Andy's core skills and interests lie in the interpretation and management of peat uplands for built infrastructure, particularly in relation to peat landslides. Andy has provided support to numerous wind farm developments, including front-end terrain evaluations, peat stability assessments and preparation of peat management plans and enhanced (restoration focused) plans.</p>
<p><b>Chapter 8: Ecology</b> (prepared by LUC)</p>	<p>The chapter was prepared by <b>Anna Dennis BA(Hons), MSc, ACIEEM</b>, who is a Principal Ecologist at LUC with 8 years' experience in ecological consultancy having previously worked in practical conservation. Anna has extensive experience of undertaking Ecological Impact Assessment for a wide range of projects, including energy developments, mineral extraction, major infrastructure, and leisure developments. She leads ecological survey work and reporting, including assessing ecological impacts on a range of features and the production of ES chapters, advising on the mitigation measures required to fulfil legal duties and adhere to best practice.</p> <p>The chapter was overseen by <b>Steve Jackson-Matthews CEnv, MCIIEEM, MEECW</b>, who is the Board Director for Ecology at LUC, and a highly experienced ecologist with more than 15 years of experience in providing ecological support to renewable energy projects. Much of Steve's work relates to energy generation and transmission in Scotland and he has provided ecological support to more than 20 largescale wind farm projects across Scotland and the UK. Steve has skills in upland botany, protected species, and Ecological Impact Assessment, and is also a skilled Ecological Clerk of Works and currently directs the Association of Environmental and Ecological Clerks of Works (AEECoW).</p>
<p><b>Chapter 9: Ornithology</b> (prepared by Natural Research Projects (NRP))</p>	<p><b>Blair Urquhart</b> is Director of Operations at Natural Research (Projects) Ltd. and has over 26 years' experience of working with birds and their conservation and has managed a range of projects within the energy and conservation sectors. Blair joined NRP from Scottish Natural Heritage (SNH) where he worked as SNH's lead for certain complex, contentious or novel renewable energy casework. He has an excellent knowledge and working experience of UK and European laws relating to wildlife and the countryside, he also contributed to the development of SNH casework guidance in relation to birds, their interaction with wind energy and powerline developments and impact assessment. Blair has worked on onshore wind farm projects across Scotland, Europe and the Middle East, and has been involved in preparing and writing numerous Technical Reports and EIA Report chapters and provided ornithological management advice for a number of renewable energy and powerline developments.</p>
<p><b>Chapter 10: Cultural Heritage</b> (prepared by LUC)</p>	<p>The cultural heritage assessment was overseen by <b>Steven Orr MA (Hons) MSc LRTPI FSA (Scot)</b>. Steven is the director of LUC's historic environment team and is a highly experienced town planner and landscape archaeologist with 20 years expertise in research, policy development and EIA.</p> <p>The chapter was prepared by <b>David Bull BA (Hons) MCIIfa</b> who is an experienced archaeologist with over 22 years' experience as an archaeologist and 10 years in the sector and supported by <b>Olivia Watt MA (Hons) MSc AssocRTPI</b> who is a Senior Historic Environment Consultant.</p>
<p><b>Chapter 11: Noise and Vibration</b> (prepared by Hayes Mckenzie)</p>	<p>The lead author is <b>Rob Shepherd (MEng)</b>, associate director at Hayes McKenzie Partnership Ltd, who is a Member of the Institute of Acoustics (MIOA) and who has worked in the field of acoustical engineering for over 18 years. In that time, Rob has specialised in the field of noise from onshore wind farms and has been involved in work on over 300 wind farm projects, also appearing as an expert witness (relating to wind farm noise) in the UK and Ireland. Hayes McKenzie Partnership Ltd are sponsor members of the Institute of Acoustics (IOA) and members of the Association of Noise Consultants (ANC).</p>
<p><b>Chapter 12: Access, Traffic and Transport</b></p>	<p><b>Gordon Buchan BEng (Hons), MSc, CMILT, FCIHT</b> is the Divisional Director of Pell Frischmann. He has over 25 years' experience of undertaking transport assessments associated with new developments and has worked on renewable energy and energy distribution projects across the UK, Ireland and Northern Europe.</p>

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(prepared by Pell Frischmann)	
<b>Chapter 13: Land Use, Socio-Economic and Tourism</b> (prepared by MKA Economics)	<p><b>Mark Kummerer MA BA (Hons)</b> founded MKA Economics in 2009 following Associate Director roles at EDAW and EKOS. Previously Mark was an economic and regeneration consultant at Halcrow and a graduate economist at Jura Consultants. Mark has 24 years post qualifying economic development consultancy experience and through his various consultancy roles he brings high level experience in economic development and regeneration projects. Mark has led the socio-economic, tourism and recreation assessment of over 30 onshore wind farm EIA across Scotland and has been involved in numerous profile socio-economic and tourism assessments, including Judy Murray's Tennis Centre which included an Expert Witness role at the Public Inquiry. Mark was also an expert witness at the Scottish Land Court Public Inquiry for a new Space Hub in Sutherland, which was approved in August 2021. Mark has been retained on HIE's Economic Impact Assessment Framework Panel since 2013, and has been employed by Planning Authorities to appraise other consultant's socio-economic, tourism and recreation assessments. He is a member of the Economic Development Association Scotland (EDAS) and a former Board Director with Forth Valley Social Enterprise (FVSE) and a current Planning Aid Scotland (PAS) Volunteer.</p>
<b>Chapter 14: Other Issues</b> (prepared by LUC (with inputs to carbon balance assessment from Fluidec and inputs to the aviation assessment from WPAC))	<p>The assessment was completed by LUC and overseen by <b>Kate Wigley BSc MSc MIEMA CEnv</b> and <b>Jo Wotton BSc (Hons) MSc MIEMA CEnv</b> (see above).</p> <p>The carbon balance calculation was overseen by <b>Duncan Saunders BSc MSc CSci MCIWEM C.WEM</b> (See above).</p> <p>Technical inputs to the aviation lighting design were provided by <b>John Taylor RN (Ret)</b>, Managing Director at Wind Power Aviation Consultants (WPAC). John previously worked for the Royal Navy specialising in Air Traffic Control (ATC), Airspace Management and Air Defence which culminated in leading both the ATC and Fighter Control Specialisations. Following this, John worked for Lockheed Martin UK for three years as a Principal Consultant and Business Area Manager responsible for Air Traffic Management Consultancy, including the provision of advice to wind farm developers. In 2008 he founded WPAC Ltd and since then he and his team have provided aviation advice in relation to over 2000 wind farm and wind turbine sites, given evidence at a number of planning inquiries and enabled many sites to overcome aviation objections where it has been feasible to do so. John and his team have also provided advice to Renewable UK and the Aviation Fund Management Board, including organising workshops and the provision of guidance documents.</p>
<b>Chapter 15: Summary of Likely Significant Effects</b> (prepared by LUC)	<p>The summary chapter was prepared by LUC and overseen by <b>Kate Wigley BSc MSc MIEMA CEnv</b> and <b>Jo Wotton BSc (Hons) MSc MIEMA CEnv</b>(See above).</p>