

Appendix 1.1: Statement of Expertise

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Chapter	Qualification / Expertise of Person(s) Responsible
<p>Chapter 1: Introduction</p> <p>Chapter 2: Approach to the EIA</p> <p>Chapter 3: Site Selection and Design Strategy</p> <p>Chapter 4: Project Description (prepared by LUC with technical inputs from Pell Frischmann and McKay Forestry)</p>	<p>Joanna Wright MA MSc FIEMA CEnv is a Director of Environmental Planning with over 20 years' of wind farm EIA experience in Scotland, from the feasibility stage to project implementation. Joanna is a Fellow of IEMA and Chartered Environmentalist.</p> <p>Jo Wotton BSc (Hons) MSc MIEMA CEnv is an Associate Environmental Planner with a BSc (Hons) in Zoology and a MSc in Environmental Studies. Jo has over 12 years' experience in EIA and has project managed a range of onshore wind farms in Scotland and is also a Full Member of IEMA and Chartered Environmentalist.</p> <p>The onsite design civil engineering elements to support the EIA Report and application for Section 36 consent were led by Scott McGarva, 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>Neil McKay MICFor, Director of Neil McKay Forestry Consultant Limited, a professional member of the Institute of Chartered Foresters (ICF) since 1994 with more than 35 years' forestry practice in the public and private sectors throughout Scotland. Neil McKay has ten years' experience producing forestry inputs for EIA Reports for renewable energy and energy transmission infrastructure developments across Scotland.</p>
<p>Chapter 5: Statutory and Policy Framework (prepared by David Bell Planning)</p>	<p>David C Bell BSc (Hons) Dip UD MCIHT MRTPI is a Chartered Town Planner 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>Chapter 6: Landscape and Visual Amenity (prepared by LUC with inputs to the aviation lighting assessment from WPAC)</p>	<p>The landscape and visual impact assessment will be undertaken by LUC and overseen by Sam Oxley BSc MLA CMLI who is director of Landscape Planning at LUC and who has over 20 years experience in wind energy projects across Scotland, including providing expert witness evidence at a number of Public Local Inquiries. The landscape and visual impact assessment was supported by Erin Hynes BSc (Hons) MSc MRTPI who is a senior planner/landscape planner with over four years' experience. Erin has been involved with Landscape and Visual Impact Assessments and Feasibility Studies for several onshore wind farm developments in Scotland and Wales.</p> <p>Technical inputs to the aviation lighting design were provided by John Taylor RN (Ret), 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. He 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>
<p>Chapter 7: Geology, Hydrology, Hydrogeology and Peat (prepared by Kaya Consulting and East Point Geo)</p>	<p>Dr Sally Stewart BSc, MSc, PhD, MCIWEM, C.WEM is a Principal Environmental Consultant at Kaya Consulting with over 20 years consultancy experience in hydrology, geomorphology, and environmental impact assessment. Sally has undertaken many flood risk assessments, geomorphology (river and coastal) assessments and environmental impact assessments (EIAs) in Scotland and overseas. She has project managed hydrology, peat, and geology chapters for many EIA-Reports for a range of developments, including onshore wind farms, linear developments (onshore cables from offshore and overhead lines) and mining projects.</p> <p>Dr Callum Pearson BSc, MRes, PhD is a Senior Hydrologist with over 8 years of academic research and consultancy experience in hydrology and EIA. Callum led the peat and hydrology survey work and contributed to the preparation of the chapter, data analysis and appendices.</p> <p>The peat inputs were led by Dr Andy Mills PhD at East Point Geo. Andy has over 20 year's experience mapping and interpreting peat geomorphology and peat landslides in the UK and acted at the lead reviewer for the Scottish Government's contracted checking team for peat stability assessment submitted to the Energy Consents Unit (ECU) as part of Section 36 application for wind farm developments between 2014 and 2018.</p>
<p>Chapter 8: Ecology (prepared by LUC)</p>	<p>The chapter was prepared by Anna Dennis BA(Hons), MSc, ACIEEM, 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 Steve Jackson-Matthews CEnv, MCIEEM, MEECW, 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>Chapter 9: Ornithology (prepared by Avian Ecology)</p>	<p>This assessment has been completed by a team of suitably experienced ornithologists from Avian Ecology Ltd. ecological consultancy. Avian Ecology has over 15 years extensive experience in onshore windfarm survey, design, EIA, planning support, construction supervision and monitoring in Scotland.</p> <p>All field surveys were undertaken by competent and experienced bird surveyors, and all data subject to detailed quality control review. The lead assessor for the ornithology chapter is Howard Fearn MSc, Director of Avian Ecology. Howard is a full member of the Chartered Institute of Ecology and Environmental Management (CIEEM) and is a lifelong ornithologist. He has contributed to over 45 Scottish onshore windfarm EIAs during 20 years as a professional consultant</p>
<p>Chapter 10: Cultural Heritage (prepared by LUC)</p>	<p>The cultural heritage assessment was overseen by Steven Orr MA (Hons) MSc LRTPFI FSA (Sot) and Melissa Conway BA (Hons) MA MCIfA. Steven is the director of LUC's historic environment team and is a highly experienced town planner and landscape archaeologist with 20 years of expertise in research, policy development and EIA. Melissa is an Associate at LUC and is an experienced archaeologist and historic landscape specialist .</p> <p>The chapter was prepared by Michelle Statton BA MA PhD who is an experienced archaeologist with over 10 years' experience in the sector and supported by Olivia Watt MA (Hons) MSc AssocRTPI who is a Senior Historic Environment Consultant.</p>
<p>Chapter 11: Noise and Vibration (prepared by Hoare Lea)</p>	<p>The noise chapter was written by Richard Carter, a director of Bow Acoustics. Richard (C.Eng, B.Eng(Hons) MIOA) is a Chartered Acoustics Engineer and a full member of the Institute of Acoustics with over 17 years' experience in the assessment of environmental noise, 12 years of which specialised in wind turbine noise.</p>

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	The noise chapter was reviewed by Matthew Cand of Hoare Lea LLP (HL). Matthew (Dipl. Eng., PhD, MIOA) is a full member of the Institute of Acoustics and an Associate Director at Hoare Lea LLP. He has over 17 years' experience in the assessment of environmental acoustics and has conducted more than 50 noise assessments for EIA of Wind Farms. Matthew is an expert in the assessment of wind farm noise and is one of the authors of the Institute of Acoustics Good Practice Guide (IOA GPG).
Chapter 12: Traffic and Transport (prepared by Pell Frischmann)	The Traffic and Transport assessment was undertaken by Pell Frischmann and led by Gordon Buchan BEng (Hons), MSC, CMILT, FCIHT who is the Divisional Director of Pell Frischmann. He has over 25 years' experience of undertaking the transport assessments associated with new developments and has worked on renewable energy and energy distribution projects across the UK, Ireland and Northern Europe.
Chapter 13: Socio-Economic, Tourism and Recreation (prepared by LUC)	The socio-economic assessment was undertaken by LUC. The chapter was prepared by Sarah Miller BSc (Hons) MSc ACIEEM AIEMA who is a senior environmental planner with over 4 years' experience in consultancy. The chapter was overseen by Joanna Wright MA MSc FIEMA CEnv . Additional advice was also provided by Mark Kummerer MA BA (Hons) . Mark 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 and has acted as expert witness at a number of high profile Public Inquiries, including Judy Murray's Tennis Centre and a new Space Hub in Sutherland.
Chapter 14: Other Issues (prepared by LUC (with inputs to carbon balance assessment from East Point Geo and inputs to the aviation assessment from WPAC))	The assessment was completed by LUC and overseen by Joanna Wright MA MSc MIEMA CEnv and Jo Wotton BSc (Hons) MSc MIEMA CEnv (see above). The carbon balance calculation was overseen by Andy Mills PhD (See above). The aviation assessment was undertaken by John Taylor (See above).
Chapter 15: Summary of Significant Effects (prepared by LUC)	The summary chapter was prepared by LUC and overseen by Joanna Wright MA MSc FIEMA CEnv and Jo Wotton BSc (Hons) MSc MIEMA CEnv (See above).