



# Tween Bridge Solar Farm

A Nationally Significant Infrastructure Project in the Energy Sector

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## Preliminary Environmental Information Report

### Technical Appendix 14.4 – Professional Experience

October 2023



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## 14.4 Professional Experience

### **Laurence Caird, MEarthSci CSci MEnvSc MIAQM**

Mr Caird is a Technical Director with AQC, with 17 years' experience in the field of environmental consultancy with extensive experience in air quality and climate change assessments for Environmental Impact Assessment (EIA) schemes. He has helped shape a methodology for the assessment of greenhouse gas emissions within EIA to satisfy the requirements of the 2017 EIA Regulations and has produced carbon footprints and greenhouse gas assessments for a number of projects including major aviation projects as well as EIA residential, commercial and mixed-use developments and industrial facilities. Beyond EIA, Mr Caird has produced lifecycle carbon assessments for a range of projects, has undertaken assessments of project's resilience and adaptation to climate change, has developed net zero carbon plans and strategies, and undertaken assessments of carbon sequestration and carbon offsets and carbon assessment for land use, land use change and forestry. He also has extensive experience in the field of air quality, and has a detailed understanding of a range of emissions sources including transport, energy and industry. He is a Member of the Institute of Air Quality Management (and a former IAQM Committee Member) and is a Chartered Scientist.

### **Dr Frances Marshall, MSci PhD MEnvSc MIAQM**

Dr Marshall is a Principal Consultant with AQC with ten years' relevant experience. Prior to joining AQC, she spent four years carrying out postgraduate research into atmospheric aerosols at the University of Bristol. Dr Marshall has experience preparing air quality assessments for a range of projects, including residential and commercial developments, road traffic schemes, energy centres, energy from waste schemes and numerous power generation schemes. She has experience in producing air quality assessments for EIA schemes, and has also assessed the impacts of Local Plans on designated ecological areas, prepared Annual Status Reports for Local Authorities, and undertaken diffusion tube monitoring studies. She is a Member of both the Institute of Air Quality Management and the Institution of Environmental Sciences.

### **Dr Kate Wilkins, BSc (Hons) MSc PhD CSci MEnvSc MIAQM**

Dr Wilkins is a Principal Consultant with AQC with over five years' experience in the field of air quality. Since joining AQC in January 2018, she has undertaken numerous air quality impact assessments for road traffic, combustion plant and construction dust throughout the UK for both standalone assessments and for EIAs, and has also prepared local authority reports and literature reviews. She has contributed her technical skills in programming, specialist software and data analysis to a range of large-scale projects, including the third runway at Heathrow airport. Previously, Kate completed a PhD at the University of Bristol, researching atmospheric dispersion modelling and satellite remote sensing of volcanic ash. She is a Chartered Scientist and

a Member of both the Institute of Air Quality Management and the Institution of Environmental Sciences.

