



A specialist energy consultancy

Onshore wind services

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TNEI is an independent specialist energy consultancy providing technical, strategic, environmental and consenting advice to organisations operating within the conventional and renewable energy sectors.

Onshore wind services

We provide specialist consultancy services to the small, medium and large scale onshore wind sectors.

Large scale wind

Services provided for large scale wind developments include:

- Initial feasibility assessment
- Management and coordination of Environmental Impact Assessments (EIA)
- Planning support
- Grid connections and power systems analysis
- Noise
- Shadow flicker
- Electro-magnetic interference assessments
- GIS.

Our range of services and commitment to taking a flexible approach has allowed us to deliver at all stages of wind farm projects, with a particular focus on the following:

- Due diligence
- Site finding and feasibility (including grid connection assessment)
- Constraints mapping and site design
- Construction risk
- Environmental Clerk of Works (EnCoW)
- Environmental Impact Assessment (EIA) management and coordination
- Planning / Section 36 / NSIP application preparation
- Community consultation and stakeholder engagement
- Socio-economic assessment
- Post-submission support (including discharge of conditions)
- Public inquiry and expert witness
- Electrical services and infrastructure design.

TNEI has established an impressive track record in delivering challenging large scale onshore wind projects and taking sites from inception through to operation.

Small and medium wind

TNEI has established an impressive track record in delivering challenging large scale onshore wind projects and taking sites from inception through to operation.

The TNEI team has developed expertise in the small and medium wind development sector, including site finding, feasibility, town planning, noise assessment, shadow flicker and GIS. We recognise the specific requirements and scope of assessment required for this sector. We aim to provide cost-conscious, flexible and robust consenting and environmental assessment services that allow your wind development to be consented within statutory timescales.

TNEI has significant small and medium wind project experience, with a track record of delivering planning approvals for wind energy developments across the UK.

We aim to manage planning risk by providing an upfront service that assesses your site which minimises the time your development team spends in the planning process. Our planners and project managers provide an unparalleled, joined-up consultancy service, advising on the preparation and submission of planning applications for small scale wind turbines.

Our team has the knowledge, experience and skills to manage your site from conception to consent. As the planning system becomes increasingly complex, we have the skills and experience to coordinate the most cost effective solutions for your project.

To date, TNEI has secured consent for over 200 wind energy projects in England, Scotland and Wales. Our comprehensive services cover all stages of the process, from initial feasibility assessments through to post consent work, including the discharge of planning conditions.

Our team has the knowledge, experience and skills to manage your site from conception to consent. As the planning system becomes increasingly complex, we have the skills and experience to coordinate the most cost effective solutions for your project.

Case studies

Service: Planning, environmental, noise and technical consultancy
Client: 2020 Renewables

TNEI provided planning, environmental, noise and technical consultancy services in relation to a proposed 14 turbine wind farm development located near Tweedsmuir in the Scottish Borders. This project was progressed as an application for consent under Section 36 of the Electricity Act due to the generating capacity exceeding 50MW. TNEI progressed the site from initial layout design through to the consenting phase and this involved provision of the following services:

- Coordination of environmental baseline assessments
- Constraints mapping and site design
- Pre-application discussions with Local Authority and Scottish Government
- Preparation and submission of EIA scoping report
- ECDU 'Gate Check' report
- EIA project management and coordination
- Environmental Statement technical review (including legal review)
- Ongoing planning policy advice
- Attendance at public exhibitions
- Planning Statement
- Design Statement
- Pre-application Consultation Report
- Noise assessment (including cumulative noise assessment)
- Shadow flicker assessment
- Socio-economic assessment
- Post-submission support.

Service: Feasibility through to operation
Client: Warburton's Bakery and Distribution

TNEI carried out a staged feasibility assessment of the Warburton's Bakery and Distribution site in Bristol, identified the most viable scale and form of development and progressed the project through to gaining planning consent and procurement of a wind turbine. A formal EIA screening process was undertaken, followed by an informal scoping process (as the development was considered sub-EIA). The process of environmental assessment was then coordinated, managing third party specialist assessors, technically reviewing assessment reporting and preparation of the planning submission.

TNEI undertook site design taking into account the results of environmental assessment, physical and technical constraints and future use of the site. Following submission, the determination process was managed and presentations were delivered at the member's site visit and development control committee where consent was granted. TNEI then undertook further technical assessment and managed the turbine procurement process, including wind resource assessment and consideration of turbulence at the site, which is key in urban locations.

Key contact

Jason McGray
Principal Consultant



Jason has over 8 years' experience in the environmental consultancy sector, working on Environmental Impact Assessments, environmental safeguarding and environmental due diligence projects for energy related developments of varying scales. He is an Institute of Environmental Management and Assessment (IEMA) accredited Registered EIA Practitioner, Chartered Environmentalist and Full IEMA Member. Jason has

extensive experience of coordinating Environmental Impact Assessments, technical review of a range of environmental assessments, production and review of environmental statements and consenting documents and undertaking a range of topic specific assessments. He has an excellent understanding of renewable energy generation and has also managed numerous small scale projects, tailoring proportionate scopes of assessment and reporting to the scale and type of proposal.

Get in touch

We are a specialist, independent company. That's why we can offer a flexible, personal service and help our clients quickly and efficiently, without all the big corporate distractions.

But most of all, we love to solve problems.

For more information about our onshore wind services, please contact Jason McGray; email: jason.mcgray@tneigroup.com or call: +44 (0)191 211 1430.





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For more information about who we are and what we do, please contact: info@tneigroup.com

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