

Electricity Storage and Peaking Stations

Background

ITPEnergised has provided technical and environmental support on a number of proposed electricity storage and peaking stations in the UK, on behalf of several developers.

Projects have included gas-fired electricity peaking stations, and battery storage facilities.

To date, two peaking stations in England and one battery storage facility in Scotland have been granted planning consent. We are continuing to support on several on-going applications across the UK.

ITPEnergised Inputs

Typical technical and environmental requirements to support a planning application for a storage or peaking plant include:

- Noise assessment
- Air quality assessment
- Ecology survey and advice
- Hydrology/drainage advice
- Ground conditions/contaminated land advice
- Visual impact assessment (in some cases)

Our in-house team is able to, and has successfully delivered all of the above.

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Example Projects

The following are examples of projects on which we supported clients during 2017:

Gas fired peaking plant, Haydock

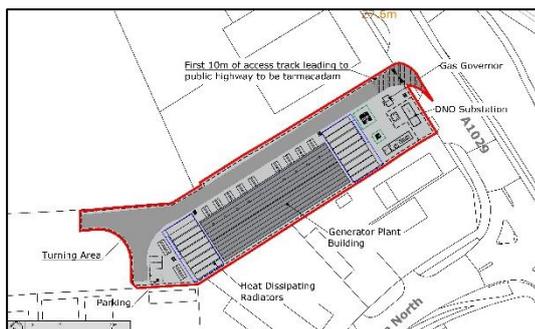
Mallory Land is promoting development of a gas fired peaking plant, comprising 14 gas reciprocating engines and associated infrastructure (providing approximately 21MWe), at Haydock Cross Industrial Estate, Merseyside. ITPEnergised undertook consultations with St Helens Council to confirm requirements for environmental studies to support the application, and completed noise, air quality and ecology assessments. The development was consented in November 2017 and we continue to support the client on discharge of conditions relating to ground conditions/contaminated land, noise, and ecological mitigation works.



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Gas fired peaking plant, Scunthorpe

Another Mallory Land project, this development comprises the demolition of existing buildings, and construction of a new building to house 9 gas reciprocating engines and generators at Midland Industrial Estate, Scunthorpe. ITP Energised engaged with North Lincolnshire Council and completed noise, air quality and contaminated land assessments, and an assessment of the potential for roosting bats in the existing building. The development was consented in December 2017.



Battery storage plant, Little Raith Farm (former quarry site), Fife

Working with planning consultant JLL on behalf of Island Green Power, we undertook noise, air quality, ecology and landscape & visual assessments to support the application for a 49.95MW lithium-ion battery storage facility and grid connection to a nearby substation. The project was consented by Fife Council in late 2017.



Feasibility Review

We have additionally undertaken a high-level review of a portfolio of 12 sites in England, on behalf of a developer seeking to identify suitable sites to bring forward for peaking plant development.

Ongoing Work

In 2018 we have begun survey and assessment work for a proposed battery storage plant in Perthshire, and are advising additional clients on environmental planning considerations for various UK battery storage sites.

ITPENERGISED ADVICE FOR ENERGY STORAGE AND PEAKING PROJECTS

If you are looking for a reliable partner to support you on consenting and delivery of energy storage and peaking projects then please contact:

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