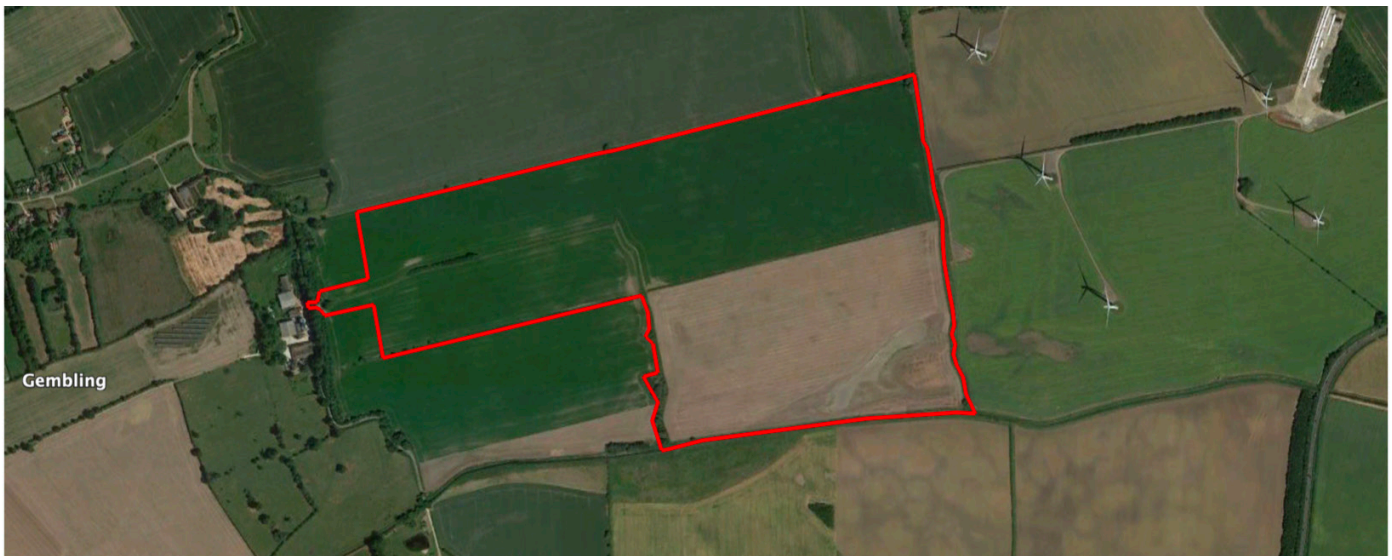
TEKSS ENERGY

Gembling Solar Power Proposal

About the proposal

TEKSS is investigating the potential for developing a solar power and battery storage site to the south-east of Gembling, on land adjacent to the west of Lissett Wind Farm.



The proposal looks to generate clean, renewable energy to connect directly into the local grid network.

The site under investigation consists of three adjoining fields totalling circa 118 acres. A site of this size could host a solar site of up to 40 megawatts (MW) of installed capacity and provide enough electricity to power around 14,500 homes on an annual basis, removing approximately 8,800 tonnes of CO2 annually.

Battery storage is also being investigated as a complementary feature of the solar scheme.

Power for 14,500 homes

Biodiversity net gain

8,800 tonnes of CO2 saved

Subsidy-free scheme

The environmental benefit figures are based on 40MW of installed solar PV, operating with a 12% capacity factor, a Typical Domestic Consumption Value (TDCV) for a medium-use household of 2900kWh per annum (Ofgem 2020) and UK government figures on GHG conversion rates for UK electricity (2021).

Indicative timeline

Spring - Summer 2022

Early-stage environmental & technical assessments
Seek Pre-Application Advice from East Riding Council

Autumn 2022 - Winter 2022/23

Commence community consultation
Submit EIA Screening request
Ongoing environmental & technical assessments

Spring 2023 - Autumn 2023

Preparation & submission of planning application
Ongoing community consultation
Determination of planning application

Winter 2023/24 - Summer 2024

Discharge planning conditions
Construction (circa 4 months)

Environmental & technical assessments

The results of surveys will be central to the development of the final design and proposal to ensure that any proposed scheme can be delivered in a manner sensitive to the local environment and site neighbours.

Agricultural land classification
To determine the exact agricultural land grading of the site

Arboricultural assessments
To assess the structural status and ecological value of relevant onsite trees

Construction traffic management
To assess the most suitable routes for construction and operational traffic

Ecology studies
To assess onsite and near-site habitats and species

Flood risk assessment
To ensure the scheme avoids being impacted by and/or increasing flood risk

Heritage assessment
To assess heritage features in and near the site

Landscape & visual impact
Assessment of impacts on landscape settings and key viewpoints, including cumulative views

Topographical assessment
To obtain exact topographical levels to feed into the technical design

Consultation

Consultation is a critical component of our development work. We look to actively engage local stakeholders and communities from early stages of development to ensure that any future planning application incorporates local feedback and is designed to the highest standard.

If you have any questions or would like to discuss the proposal further, please contact a member of our development team.

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