Temple Oaks Renewable Energy Park







Toby Harrison-Turner Project Manager Ridge Clean Energy



Richard Barker Project Manager Ridge Clean Energy



Rebecca Renfrew Community Engagement Coordinator Ridge Clean Energy



2. The Project

• Location

1. Introductions

- Overview & timeline
- How the project might look
- Why here?
- Why the project is needed
- The NSIP Process

4. Community

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- How we intend to work with the community
- Community project ideas to date
- How can we help?

5. Questions

Project Location







Temple Oaks Renewable Energy Park

Key Facts

Site area: 350ha Solar Capacity: Up to 240MW Battery Capacity: Up to 240MW Construction Length: 12-18 months Operation Length: 40 years











Solar Panels

- Each panel will have 500-600W of power
- Either string or central inverters will convert DC power to AC power
- Solar panels will be up to 3m in height from the ground
- Rows of panels will be spaced up to 6m apart.



Battery Energy Storage System (BESS)

- Battery + substation = up to 2.2ha
- Each module supported by a power conversation system (converting DC to AC)
- Typically spaced between 1 and 5m apart
- Internal safety and monitoring equipment



Why here?



✓ Well screened from dwellings due to topography and existing natural vegetation such as woodlands.

✓ Remote location – the panels would be over 800m from the nearest settlement of Keisby.

✓ Grade 3B agricultural land, which is not classed as Best and Most Versatile (BMV).

✓ **Part industrial** – a large portion of the site is on an old airfield.

✓ The site is contained to one area, rather than spread over multiple areas.



✓ Will make use of the **existing road infrastructure**, reducing the quantity of materials required during construction.

✓ Free from any statutory
 designations, including both
 environmental and historic.

✓ Ecological enhancements such as hedgerow planting will be implemented, meaning the development would result in a substantial biodiversity net gain.

✓ Land will be left fallow, leading to Net
Carbon Capture (soil improver).









What technical assessments are being done?

- Ecological Surveys
- Agricultural Land Classification
- Landscape and Visual
- Cultural Heritage
- Traffic and Transport
- Acoustic
- Glint and Glare
- Flood Risk Assessment









Domestic Energy Security

With increased energy price volatility, there has never been a more urgent need to increase our domestic energy supply, to reduce our dependence on energy sourced from abroad.



COP26

COP26 in Glasgow marked a step forward in global efforts to address climate change, including a material increase in ambitions to reduce emissions across the world.



Climate Change and Net Zero Targets

SKDC declared a climate emergency in September 2019 when it pledged to reduce its carbon footprint by at least 30% by 2030 and become net-zero carbon as soon as viable before 2050.



The Climate Change

Act 2008 sets a legal framework for the UK to cut greenhouse gas emissions to 80% below 1990 levels by 2050.



Climate Change Act 2008



Due to the project exceeding 50MW of electricity generation, it is deemed to require planning determination via the as a Nationally Significant Infrastructure Project (NSIP) regime, also known as a Development Consent Order (DCO).

The NSIP/DCO process differs from the usual planning process, as it is assessed by The Planning Inspectorate (PINS) and determined by the Secretary of State.

The 6 stages of the development consent regime



Other Known Projects









Late May / Early June 2022

- Submit Scoping Request to PINS.
- Invitations to public exhibitions will be distributed.
- The dedicated project website will be launched.

Late June 2022

- We will host two public exhibitions each at a different venue.
- These exhibitions will provide an opportunity to see the initial project plans in more detail and to meet the team.
- Venues are to be determined.



July – September 2022

- Scoping Opinion issued by PINS.
- Feedback from the public exhibitions will be analysed and factored into the site design.



October – December 2022

- We will hold a second round of public exhibitions, likely to be a minimum of two days at two different venues.
- This will be considered 'formal' consultation in line with the NSIP Regulations set by PINS.
- Venues are to be determined.







Our Net Zero Community is a mobile application available on the Apple App Store encouraging local people to act and think more environmentally in their day-to-day lives, especially adapted to your community.

The App is a simple and effective way to enable the adoption and track the progress of local projects reducing carbon footprints and supporting climate repair.

Another initiative we have created is our Climate Preparation survey which is a survey designed to assess a household's and business's level of preparedness for all types of climate risk and their experience dealing with previous extreme weather events.

Ridge Clean Energy's ethos is centred around community engagement and support throughout the life of our projects. From an early stage we identify key stakeholders and work in tandem with them.

We use our development experience and seed capital to maximise the benefit a local community would receive from our projects.





How we intend to work with the community:

- Letters have been sent to several local parish councils
- Meetings with Parish Councils ongoing engagement
- Dedicated project website will be launched this will include an online community survey and functionality to provide feedback on the project
- **Public exhibitions** first round in June and second round in Q4 2022
- Community benefits package annual contribution for the lifetime of the proposed development, for the community & to be managed by the community

Community Benefit Fund



- Temple Oaks Renewable Energy Park will generate a community fund over the lifetime of the project, which will be available to directly support the needs of local people.
- The fund will be used for community projects, such as creating a community hub, improving local transport, providing EV chargers or any other local, community priority.
- Along with public suggestions and thoughts, we can identify the main areas of need and then focus on growing a positive asset for all those living in the vicinity of the project.



Aslackby Village Hall





St Peter's Church and phone box, Lenton

Phone Box, Folkingham

Possible local projects identified so far include: Folkingham and Aslackby village halls, EV chargers, improving recreation areas, re-purposing of old phone boxes, Call Connect bus network, Don't Lose Hope charity and the Lincolnshire Rural Support Network.

We are also aware of the impact the current energy crisis is having on people. On completion of the project, funding may also be made available to nearby households to contribute to energy bills.