



Hilfield Solar Farm



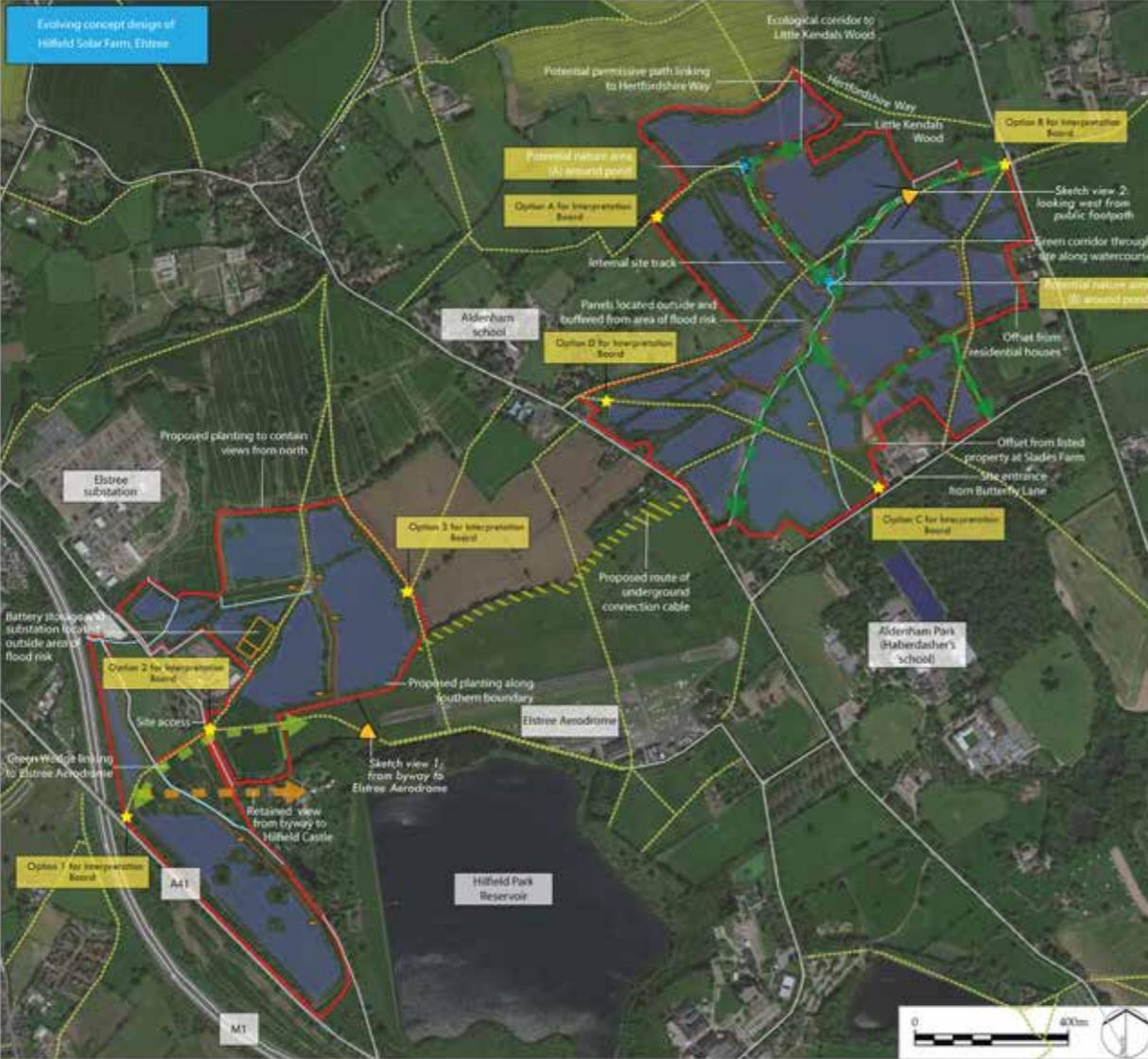
Where is Hilfield Solar Farm?

Introducing Hilfield Solar Farm

Enso Energy, through its subsidiary company Elstree Green Limited, is proposing to develop a solar farm and battery storage facility on land to the North East and West of Elstree Aerodrome.

The generating station would have an export capacity of up to 49.9MW for distribution to the national grid. This is equivalent to the annual electrical needs of approximately 16,000 family homes across the district of Hertsmere. The anticipated CO₂ displacement is around 25,000 tonnes per annum compared to conventional fossil fuel energy generation, which represents an emission saving equivalent of a reduction in 8,000 cars on the road every year.

The integrated battery storage system will supply electricity to the local electricity network at times of peak energy demand and help make the renewable energy output of the solar farm a secure and reliable part of the UK energy supply.



Evolving Concept Design of Hilfield Solar Farm

What are the Benefits of the Solar Farm and Battery Storage Facility?

The main benefits of the development proposed are summarised below.

- The project will assist in meeting Hertsmere Borough Councils goal to reduce greenhouse gas emissions in line with local, national and international targets and its declared Climate Emergency
- Contribute towards the security of energy supply in Hertsmere through the provision of local, competitive renewable energy supply.
- We estimate the solar farm will increase the total amount of renewable electricity generated in Hertsmere from 5.4% to 20% bringing Hertsmere closer to the national average of 33% electricity generated from renewable sources.
- The project will support the UK's urgent need to transition to a low carbon future, producing significant amounts of renewable energy.
- The proposed site is well contained. Due to the topography and screening from the existing hedgerows/trees and built environment the visual impact of the solar farm is low.
- The proposed development will utilise bifacial modules which absorb irradiation from the front and rear side, generating c. 4% higher energy yield than mono-facial solar panels.
- This is a temporary development. A solar plant allows agricultural land to rest for the period of operation and the land use can easily be reversed to agriculture at the end of the project life.
- Compared to intensive arable farming, a solar farm gives land the opportunity for multiple uses. In addition to energy production, solar farms can support biodiversity net gain by allowing small animals access to otherwise fenced-off land, with bird and insect fodder plants and wildflowers sown around the modules (visit www.solar-trade.org.uk/solar-farms).
- No protected landscape, heritage or ecological designations will be affected by the solar farm. No footpaths will be stopped up or diverted during either the construction or operation of the solar farm.
- The proposed scheme is temporary and fully reversible, returning the site to agricultural use at the end of its operational lifetime and therefore will not become brownfield land.
- We anticipate that construction will be complete in approximately 7 months. This will typically require 8 HGV deliveries to the site each day, which will not be routed through local villages.
- The proposed solar farm will not require Government subsidy.
- Enso Energy is committed to using local suppliers during construction and operation where possible.

Getting to Net Zero

The UK Government has signed up to a Renewable Energy Directive to provide 15 per cent of energy from renewables by 2020 (based on a 2008 baseline). In addition to this, the Government has made a legal commitment to cutting carbon emissions to net zero by 2050 (Climate Change Act 2008 (2050 Target Amendment) Order 2019). To achieve net zero by 2050 both the National Infrastructure Commission and the National Grid have recently reported that to meet this target will require a rapid and expanded deployment of low carbon power, including solar.

Our Vision

At Enso Energy we are making the idea of a country run on renewable energy a reality. We are one of the UK's most experienced energy developers.

Our ambition is to use the latest solar technology to make a positive impact on our country and the communities we work with. We are firm advocates for renewable, low carbon, efficient, secure and sustainable energy that can be generated, stored and utilised locally. We are passionate about creating positive change for the UK's energy requirements and carbon commitments.

Our innovative and entrepreneurial approach to subsidy-free renewable energy is assisting the country's move towards a more secure renewable energy supply and accelerating our combined progress to net zero.



Our approach to consultation during the Coronavirus crisis

Enso Energy agree with the guidance issued by the UK Government's Chief Planner, which emphasised that planning applications that positively impact the country and local communities must continue to come forward.

In addition, Enso Energy believes that it is vital that local communities are able to see and shape planning applications that may have an impact on them. We therefore invite you to provide feedback on our draft proposals in the following ways:

1 Fill in the feedback form that accompanies this public consultation brochure.

This consultation brochure contains the same information that would have been displayed at a typical public consultation event.

Please read through the brochure and provide feedback to us by way of the free post feedback form that came with the brochure.

2 Attend our public consultation webinar and Q&A session on Thursday 1st October 5pm-7pm

You are invited to attend our online public consultation webinar and Q&A session event. The webinar will be a ten-minute presentation by the project team where they will outline the draft proposals. During the Q&A session which will follow the webinar you'll have the opportunity to ask any questions you may have about the draft proposals with members of the project team.

The webinar will be recorded and hosted on our public consultation website so that you can watch it again or see it if you are unable to watch it live.

You can of course get in contact with the project team at any time, through our public consultation website: www.ensoenergy.co.uk/proposed-projects/hilfield/

You can register to attend our online public consultation event by visiting our website www.ensoenergy.co.uk/proposed-projects/hilfield/ and completing the webinar registration form. You will then receive an email with details on how to join the public consultation webinar.

3 Visit the dedicated public consultation website: www.ensoenergy.co.uk/proposed-projects/hilfield/

We have set up a dedicated public consultation website, where you can find information about our draft proposals and provide feedback.



About Us

Enso Energy is a successful energy developer, focussed on delivering the right results for our clients, the environment and the local community.

We all care about our climate, and we all care about where we live. We believe that considerate solar energy development can make both better. That's why our holistic approach to solar energy development includes working with all our stakeholders throughout the development process.

Our team has a proven track record in developing large scale energy projects, totalling in excess of 1,500MW of distributed generation. As an independent developer we have worked across the full spectrum of energy generation and storage technologies, deploying solutions that suit each site.

Have your say

This brochure forms part of our pre-planning application process at which we are asking for your opinion on a proposed solar farm and battery storage facility on land North East and West of Elstree Aerodrome, near Elstree substation.

Please take your time to consider the information within this brochure, and don't hesitate to contact a member of our team should you have any questions or matters you need to be clarified.

We would be grateful if you could answer the feedback form and let us have your contact details for the purpose of informing the project design and providing feedback to the Council.

For further information, please do not hesitate to email ryan@alpacacommunications.com



Register for Updates

Please visit www.ensoenergy.co.uk/proposed-projects/hilfield/ where information about our proposals will be updated, and where you can register to be receive updates.



020 7499 2842



feedback@alpacacommunications.com



www.ensoenergy.co.uk

Should you require this document in large print, audio or braille then please contact us at the details provided.

Enso Energy working in partnership with Macquarie's Green Investment Group for the delivery of large scale solar projects.



Green Investment Group

Feedback form

To return your completed feedback form please tear it from the brochure, insert into the enclosed pre-paid envelope and pop it in the post by **Friday 9th October**. Alternatively, you can return your form via email to ryan@alpacacommunications.com.

Title: Name:

Address:

Postcode:

Email: Telephone:

1. Has this local resident brochure been helpful in understanding our proposal?

- Yes No Not sure

2. What is the most important issue to you about our proposal, where 1 is of highest importance and 9 is of least importance.

- | | | |
|--|---|--|
| <input type="checkbox"/> Construction traffic | <input type="checkbox"/> Landscape impact | <input type="checkbox"/> Greenbelt impact |
| <input type="checkbox"/> Increasing biodiversity | <input type="checkbox"/> Visual impact | <input type="checkbox"/> Loss of agricultural land |
| <input type="checkbox"/> Climate change | <input type="checkbox"/> Residential amenity impact | <input type="checkbox"/> Impact on footpaths |

3. With regards to the proposals you have read about within this brochure, are you:

- In favour In objection Of no opinion

4. We would welcome your feedback on all aspects of the emerging design shown in the brochure, including:
- Are the proposed locations of Interpretation boards in the right place?
 - We have left a broad buffer along the footpaths across the site to preserve openness and create ecological corridors – would you like this kept open or planted?
 - Would you like the layout of the site to allow improved connectivity of footpaths?
 - Would you like to see low-key nature areas around ponds on the site that footpaths go past? This could include informal seating, signage and wildflowers.



5. Your views are important to us, if you'd like us to keep in touch how would you like us to contact you?

- Website Email Newsletter SMS

6. Any other comments?



Thank you for taking the time to fill out our feedback form, your personal details including your name, address and contact details may be included as part of a consultation report submitted with this application to Hertsmere Borough Council. If you prefer your details do not be shared, please tick here .